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Petroleum Marketing Monthly

January 1994

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

MASTER

DISTRICT OF COLUMBIA
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Petroleum marketing statistics are available on a magnetic tape which contains statistics for the current year, by month, from the *Petroleum Marketing Monthly*. Included are sales data on petroleum product prices, volumes, and percentages as well as first sales of petroleum products into a State. Also available are statistics on both domestic and imported crude oil. Annual historical data at the national level are provided in a summary section. The tape is updated monthly and is fully documented.

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- Heating fuel data
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- Oxygenate data
Updated approximately the 25th of the month.
- *Weekly Petroleum Status Report*
Updated on Wednesdays (Thursdays in the event of a holiday) at 5:00 p.m.
- *Petroleum Supply Monthly*
Updated on the 20th of the month.
- *Petroleum Marketing Monthly*
Updated on the 20th of the month.
- *Natural Gas Monthly*
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- *Weekly Coal Production*
Updated on Fridays at 5:00 p.m.
- *Quarterly Coal Report*
Updated 60 days after the end of the quarter.
- *Electric Power Monthly*
Updated on the 1st of the month.
- *Monthly Energy Review*
Updated the last week of the month.
- *Short Term Energy Outlook*
Updated 60 days after the end of the quarter.
- *Winter Fuels Report* (October through April)
Updated Thursdays at 5:00 p.m.

Preface

The *Petroleum Marketing Monthly* is prepared by the Petroleum Marketing Division, Office of Oil and Gas, Energy Information Administration.

The *Petroleum Marketing Monthly* (PMM) is designed to give information and statistical data about a variety of crude oils and refined petroleum products. The publication provides statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the f.o.b. and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Sales data for motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane are presented.

Scope of Data

The data within the *Petroleum Marketing Monthly* are compiled from six Energy Information Administration (EIA) survey forms. The crude oil statistics are calculated from data collected on the following three survey forms: Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

The statistics on petroleum product sales prices and volumes are derived from Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report" and Form EIA-782B, "Resellers/Retailers' Monthly Petroleum Product Sales Report."

The data presented in Tables 47 to 49 are derived from aggregations of data from the Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

Information concerning standard errors for prices of motor gasoline, No. 2 distillate (including No. 2 fuel oil), and residual fuel oil, are presented in Tables 50 to 54. The Form EIA-782 survey response rates are presented in Table 55.

Sections

Monthly statistics on purchases of crude oil and sales of petroleum products are presented in the *Petroleum Marketing Monthly* in five sections:

- Summary of Crude Oil and Petroleum Products
- Crude Oil Prices
- Sales Prices of Petroleum Products
- Sales Volumes of Petroleum Products
- Prime Supplier Sales Volumes of Petroleum Products for Local Consumption.

The publication highlights salient statistics for the United States in the summary section. More detailed geographic coverage occurs in the other four sections. Geographic coverage for crude oil includes country of origin for foreign crude and Petroleum Administration for Defense (PAD) Districts and individual States for domestic crude oil. Geographic coverage of the petroleum products includes PAD Districts and individual States.

Detailed statistics for crude oil, including the price of imported crude oil by country of origin, by gravity, and by crude stream, can be found in the Crude Oil Prices section. The Product Guide located at the end of this publication provides a detailed breakdown of the table coverage.

PAD District and/or State-level statistics for petroleum products are presented in the Prices, Volumes, and Prime Supplier Sales of Petroleum Products sections. To aid the reader in determining the market changes, the majority of the tables show data for the report month and previous month for the current year, and the report month for the previous year.

Notes on the Tables

- For the crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum

products data, United States includes the 50 States and the District of Columbia.

- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use State abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- "Seller" comprises the categories of major refiners, other refiners (including gas plant operators), and resellers as defined in the Glossary.
- References to "Refiners" include gas plant operators (see the Glossary for definition of "Gas Plant Operators.").
- "Prime Supplier" refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category "Company Outlets" refers to sales made through company-operated retail outlets (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).

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Highlights

Highlights

Overview

World crude oil prices resumed their long-term down-trend in October 1993, after a brief rise brought on by a meeting of the Organization of Petroleum Exporting Countries (OPEC) in late September. Although OPEC reduced its crude oil output slightly in October, increased production from the North Sea and elsewhere resulted in further building of worldwide stocks and weakening of petroleum markets.

In the United States, crude oil prices rose only slightly in early October before beginning a steep decline. The daily spot price of West Texas Intermediate crude oil at Cushing, Oklahoma, peaked at \$18.70 per barrel on October 12, then fell to \$16.97 per barrel at the end of the month, \$1.75 below its September-ending level. Monthly average prices actually showed a slight increase, due to the low levels reached in mid-September.

The composite refiner acquisition cost of crude oil in the United States increased 22 cents (1.4 percent) in October, to \$15.81 per barrel.

Petroleum product price activity on U.S. markets in October was dominated by changing specifications due to Clean Air Act mandates. Unexpected but short-lived problems in distribution of low-sulfur diesel fuel, required for on-highway use starting October 1, resulted in price spikes in California and the upper Midwest. At the same time, the annual changeover to oxygenated gasoline briefly elevated prices in some areas. The daily spot price for unleaded regular gasoline at New York Harbor rose 2.5 cents from the end of September to 52.8 cents per gallon on October 15, before falling nearly 6 cents to end the month at 46.9 cents per gallon, 3.4 cents below the end of September. The New York Harbor daily spot price for No. 2 heating oil moved in near-parallel to crude oil prices, falling

Table HL1. U.S. Refiner Prices and Volumes of Petroleum Products
(Prices: Cents per Gallon Excluding Taxes, Volumes: Million Gallons per Day)

Products	Sales to End Users						Sales for Resale					
	October 1993		September 1993		October 1992		October 1993		September 1993		October 1992	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor Gasoline	75.4	55.4	74.9	57.5	81.3	59.0	61.7	263.4	61.5	267.3	70.4	266.6
Leaded Regular	-	-	75.1	.6	83.9	.7	-	-	67.4	3.2	73.1	3.9
Unleaded Regular	70.6	36.2	69.9	36.9	78.9	38.7	58.5	182.3	58.1	181.5	67.1	182.8
Unleaded Midgrade	79.6	9.0	79.2	9.2	85.1	9.2	64.4	28.5	64.3	28.2	73.4	28.0
Premium	88.8	10.2	88.4	10.8	94.1	10.5	71.1	52.6	70.9	54.3	80.2	51.9
Aviation Gasoline	98.0	.2	98.2	.2	104.3	.2	94.8	.6	96.3	.7	100.5	.6
Kerosene-Type Jet Fuel	61.4	42.2	56.9	42.8	66.4	40.3	60.7	7.6	56.8	8.0	66.0	9.1
Propane (Consumer Grade)	54.6	4.8	62.8	2.8	59.9	4.3	34.7	28.4	34.1	27.3	36.6	27.4
Kerosene	75.5	.2	66.5	.2	87.2	.2	65.6	2.2	58.8	1.9	70.1	2.6
No. 1 Distillate	76.4	.3	65.2	.3	75.1	.4	75.7	1.7	66.1	1.4	73.6	2.4
No. 2 Distillate	66.6	24.1	60.1	23.5	67.8	25.1	63.9	101.0	57.3	101.3	65.1	101.3
No. 2 Fuel Oil	63.4	2.5	57.3	2.8	68.2	3.0	59.7	35.3	54.8	39.5	64.8	45.5
No. 2 Diesel Fuel	67.0	21.6	60.4	20.7	67.8	22.0	66.1	65.7	58.8	61.7	65.5	55.8
No. 4 Fuel*	49.6	.6	46.0	.5	57.9	.5	45.2	.4	47.5	.1	52.7	.5
Residual Fuel Oil	31.7	13.8	31.5	16.4	39.2	19.7	28.4	14.2	26.8	12.5	37.4	13.1
Sulfur Content not > 1 %	38.7	3.8	37.7	5.2	44.7	5.1	31.8	6.4	31.9	4.5	41.4	4.2
Sulfur Content > 1 %	29.1	10.0	28.6	11.2	37.3	14.6	25.7	7.8	24.0	8.0	35.5	8.9

* Includes No. 4 fuel oil and No. 4 diesel fuel.

Dashes (-) = No data reported.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals or averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

5.1 cents over the course of the month to close at 50.9 cents per gallon. Driven by a seasonal decline in gasoline sales, total refiner sales of the major petroleum products fell 4.0 million gallons per day (0.7 percent) from September.

October sales activity for crude oil and the principal petroleum product groups is summarized in the following sections.

Crude Oil

The average free-on-board (f.o.b.) cost of imported crude oil purchased in October rose 12 cents (0.8 percent) to \$14.31 per barrel. The average landed cost of foreign crude oil increased 24 cents (1.6 percent) to \$15.24 per barrel. Domestic crude oil first purchase prices increased 41 cents (3.1 percent) to \$13.80 per barrel.

The average refiner acquisition cost of domestic crude oil in October was \$16.09 per barrel, a 27-cent increase (1.7 percent) from September. The average cost of imported crude oil to U.S. refiners rose 16 cents (1.0 percent) to \$15.48 per barrel.

Motor Gasoline

Total refiner sales of finished motor gasoline in October fell 5.8 million gallons per day (1.8 percent) from September levels, to 318.9 million gallons per day. Wholesale sales decreased 3.9 million gallons per day (1.5 percent) and retail sales fell 2.1 million gallons per day (3.7 percent).

Average refiner prices for motor gasoline rose 0.5 cent to 75.4 cents per gallon at the retail level, and rose 0.2 cent to 61.7 cents per gallon at the wholesale level. Including data reported by the sample of motor gaso-

line marketers, national average retail prices increased 0.1 cent to 75.2 cents per gallon at company-operated retail outlets, and fell 1.2 cents to 70.0 cents per gallon for sales to other end users. Average wholesale prices also fell, dropping 0.1 cent to 61.7 cents per gallon.

No. 2 Distillate

Total refiner sales of No. 2 distillate increased 300 thousand gallons per day (0.2 percent) to 125.1 million gallons per day. No. 2 fuel oil sales decreased 4.6 million gallons per day (10.8 percent) while No. 2 diesel fuel sales increased 4.9 million gallons per day (5.9 percent).

Average retail prices increased in all categories during October. The national average residential price rose 3.2 cents to 88.6 cents per gallon. The average wholesale price rose 5.9 cents to 63.6 cents per gallon.

Residual Fuel Oil

Total refiner sales of residual fuel oil decreased 900 thousand gallons per day (3.1 percent) to 28.0 million gallons per day. Low-sulfur residual fuel sales increased 400 thousand gallons per day (4.1 percent), while high-sulfur sales decreased 1.3 million gallons per day (6.8 percent).

Residual fuel oil prices rose slightly in almost all categories in October. Refiner retail prices increased 1.0 cent per gallon for low-sulfur residual, and 0.5 cent per gallon for high-sulfur. Residual fuel wholesale prices for sales by refiners dropped 0.1 cent for low-sulfur and rose 1.7 cents per gallon for high-sulfur. Including data reported by the sample of residual fuel oil marketers, average retail prices rose 2.1 cents per gallon for low-sulfur and 0.5 cent per gallon for high-sulfur. The average wholesale price fell 0.3 cent per gallon for low-sulfur residual fuel and rose 2.3 cents for high-sulfur.

Leaded Gasoline Data No Longer Published

As a result of the Clean Air Act Amendments of 1990, significant changes are occurring in petroleum product markets. Beginning in 1992 and phased in through 1996, product specifications for gasoline and diesel fuel are being modified to reduce their contributions to atmospheric pollution. In response to these changes, the *Petroleum Marketing Monthly* will undergo a major revision effective with data for January 1994. At that time, a feature article will thoroughly explain the changes to the products and this publication.

Prior to the overall revision of the *Petroleum Marketing Monthly*, changes in the collection of leaded gasoline data will impact certain tables beginning with the January 1994 issue. Effective with October 1993 data, sales prices and volumes for leaded gasoline are no longer separately collected on the EIA-782 surveys and published in the *Petroleum Marketing Monthly*. However, the treatment of leaded gasoline differs by survey within the EIA-782 series. On the Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, and the Form EIA-782B, *Resellers'/Retailers' Monthly Petroleum Product Sales Report*, respondents have been asked not to include leaded gasoline in the reported data. On the Form EIA-782C, *Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption*, in order to maintain continuity of consumption volumes, respondents have been asked to include leaded gasoline under the appropriate grade.

The tables affected by these changes are as follows:

- EIA-782A/B (leaded gasoline no longer included): Tables HL1, 2-14, 28-31, 42-43, and 50-51
- EIA-782C (leaded gasoline included under appropriate grade): Table 47

Summary Statistics

Table 1. Crude Oil Prices
(Dollars per Barrel)

Year Month	Domestic First Purchase Prices	Average FOB ^a Cost of Crude Oil Imports ^b	Average Landed Cost of Crude Oil Imports ^b	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
1978 Average	9.00	13.29	14.35	10.81	14.57	12.46
1979 Average	12.64	20.07	21.45	14.27	21.67	17.72
1980 Average	21.59	32.37	33.67	24.23	33.89	28.07
1981 Average	31.77	35.15	36.47	34.33	37.05	35.24
1982 Average	28.52	32.02	33.18	31.22	33.55	31.87
1983 Average	26.19	27.81	28.93	26.87	29.30	28.99
1984 Average	25.88	27.60	28.54	26.53	28.88	28.63
1985 Average	24.09	25.84	26.67	26.66	26.99	26.75
1986 Average	12.51	12.52	13.49	14.82	14.00	14.55
1987 Average	15.40	16.89	17.65	17.76	18.13	17.90
1988 Average	12.58	13.25	14.08	14.74	14.56	14.67
1989 Average	15.86	16.89	17.68	17.87	18.08	17.97
1990 Average	20.03	20.37	21.13	22.59	21.76	22.22
1991						
January	19.60	19.95	20.86	23.25	22.30	22.85
February	16.28	16.31	17.26	19.55	18.30	19.03
March	15.13	15.89	17.16	18.12	17.58	17.89
April	16.16	16.58	17.78	18.56	18.32	18.46
May	16.44	16.45	17.82	18.98	18.36	18.70
June	15.58	15.81	17.16	18.16	17.78	17.98
July	16.36	16.73	17.84	18.91	18.14	18.57
August	16.60	16.99	18.20	19.10	18.71	18.92
September	16.71	17.48	18.63	19.31	19.00	19.17
October	17.72	18.12	19.03	20.39	19.86	20.16
November	17.12	17.51	18.33	20.01	19.35	19.72
December	14.68	15.11	16.19	17.84	17.17	17.56
1991 Average	16.54	16.89	18.02	19.33	18.70	19.06
1992						
January	13.99	14.32	15.28	16.80	16.10	16.50
February	14.04	14.68	15.60	16.54	16.00	16.30
March	14.12	14.96	16.00	16.71	16.36	16.56
April	15.36	16.57	17.40	17.88	17.37	17.66
May	16.38	17.56	18.38	18.80	18.79	18.83
June	17.96	18.38	19.44	20.13	19.83	19.99
July	17.80	18.01	19.13	20.42	19.74	20.10
August	17.07	17.65	18.74	19.84	19.25	19.56
September	17.20	18.04	18.90	19.88	19.26	19.59
October	17.16	17.68	18.75	19.64	19.34	19.49
November	16.00	16.49	17.64	18.90	18.40	18.66
December	14.94	15.62	16.58	17.85	16.94	17.43
1992 Average	15.99	16.77	17.75	18.63	18.20	18.43
1993						
January	14.64	15.24	16.34	17.40	16.78	17.10
February	15.47	16.09	17.12	17.84	17.41	17.64
March	15.88	16.61	17.56	18.31	17.82	18.08
April	16.08	16.39	17.58	18.49	18.35	18.42
May	15.97	16.27	17.35	18.43	17.89	18.16
June	15.00	15.12	16.31	17.70	16.80	17.28
July	13.78	14.23	15.44	16.36	15.82	16.10
August	13.69	14.21	15.26	16.03	15.62	15.84
September	13.39	14.19	15.00	15.82	15.32	15.59
October	13.80	14.31	15.24	16.09	15.48	15.81

^a FOB = Free on Board. See Glossary.

^b Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Note: Values for Domestic First Purchase and Refiner Acquisition for the current month, and for Average FOB and Average Landed for current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Domestic first purchase prices -- See "Sources" from Table 20. Crude oil imports costs -- See "Sources" from Table 21. Refiner acquisition costs -- See "Sources" from Table 19.

Figure 1. Comparison of Crude Oil Prices to U.S. Wholesale Product Prices

Source: Energy Information Administration. Crude Oil: Form EIA-14, "Refiners Monthly Cost Report." Products: Form EIA-782A, "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Table 2. U.S. Refiner Prices of Petroleum Products to End Users
(Cents per Gallon Excluding Taxes)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel ^a	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Average		
1978 Average	48.4	51.6	38.7	33.5	42.1	40.9	40.0	37.7	39.6	31.1	29.8
1979 Average	71.3	68.9	54.7	35.7	58.5	57.2	51.6	58.5	55.1	47.9	43.6
1980 Average	103.5	108.4	86.8	48.2	90.2	83.4	78.8	81.8	80.4	68.2	60.7
1981 Average	114.7	130.3	102.4	56.5	112.3	103.9	91.4	99.5	95.8	79.7	75.6
1982 Average	106.0	131.2	96.3	59.2	108.9	102.3	90.5	94.2	92.5	75.0	67.6
1983 Average	95.4	125.5	87.8	70.9	96.1	96.2	91.6	82.8	83.9	76.6	65.1
1984 Average	90.7	123.4	84.2	73.7	103.6	92.7	91.6	82.3	83.7	79.6	68.7
1985 Average	91.2	120.1	79.6	71.7	103.0	88.0	84.9	78.9	79.9	77.3	61.0
1986 Average	62.4	101.1	52.9	74.5	79.0	62.0	56.0	47.8	49.1	48.9	34.3
1987 Average	66.9	90.7	54.3	70.1	77.0	60.4	58.1	55.1	55.6	51.3	42.3
1988 Average	67.3	89.1	51.5	71.4	73.8	56.4	54.4	50.0	50.7	46.1	33.4
1989 Average	75.6	99.5	59.2	61.5	70.9	66.1	58.7	58.5	58.5	51.2	38.5
1990 Average	88.3	112.0	76.6	74.5	92.3	81.9	73.4	72.5	72.6	62.2	44.4
1991											
January	88.8	112.1	81.1	86.7	105.0	89.0	84.3	80.5	81.2	75.4	53.4
February	79.5	106.4	73.7	81.4	96.9	77.8	75.2	71.4	72.0	60.2	39.8
March	74.0	101.3	62.1	76.0	88.8	68.4	64.5	61.8	62.2	54.8	32.3
April	77.0	101.2	58.7	67.4	73.8	67.6	61.6	60.6	60.8	54.1	30.2
May	82.0	105.3	60.1	66.7	69.3	65.5	58.9	60.1	59.9	51.5	31.0
June	81.9	105.2	59.2	62.8	62.3	62.8	56.3	57.9	57.7	49.5	29.5
July	78.9	103.6	59.7	61.1	64.7	64.7	59.1	59.5	59.4	50.0	31.2
August	81.1	105.8	63.8	63.6	68.7	68.2	62.3	63.3	63.2	53.6	31.1
September	80.2	105.7	66.6	65.0	73.6	69.7	63.9	64.8	64.7	52.9	30.6
October	77.9	104.6	67.8	68.0	81.6	73.5	68.5	68.0	68.1	58.4	32.3
November	79.1	104.3	69.6	73.7	94.3	76.3	70.9	69.7	69.9	57.5	35.1
December	76.0	102.0	61.5	78.2	85.8	66.3	63.0	60.9	61.2	54.3	33.1
1991 Average	79.7	104.7	65.2	73.0	83.8	74.0	66.5	64.8	65.0	58.0	34.0
1992											
January	71.9	98.5	54.2	71.3	83.3	60.6	59.7	55.5	56.2	50.6	28.8
February	70.8	98.5	56.5	NA	78.3	63.1	62.0	57.1	57.7	49.6	27.7
March	71.6	98.0	55.5	66.4	80.2	63.2	61.4	56.8	57.4	51.8	27.7
April	75.2	99.1	57.3	70.3	78.3	65.3	60.6	59.2	59.4	49.7	29.6
May	80.8	102.4	61.0	62.5	73.3	67.4	60.9	62.1	62.0	51.7	33.4
June	84.5	106.4	63.9	54.5	68.7	69.3	62.9	64.9	64.7	52.5	34.5
July	83.5	106.8	64.9	52.3	70.5	68.9	62.8	64.5	64.3	51.9	36.7
August	82.3	105.7	64.2	55.8	69.0	68.2	62.3	63.4	63.3	55.3	38.8
September	82.3	104.9	64.6	60.3	70.5	73.2	65.6	65.3	65.3	55.2	37.5
October	81.3	104.3	66.4	59.9	87.2	75.1	68.2	67.8	67.8	57.9	39.2
November	81.5	103.4	62.7	61.1	83.3	72.0	64.3	64.5	64.5	56.3	39.4
December	78.5	101.3	58.9	68.4	84.0	66.6	63.6	60.8	61.2	53.7	36.2
1992 Average	78.4	102.7	61.0	66.2	78.6	66.5	62.7	61.8	61.9	52.6	33.8
1993											
January	76.9	100.3	58.5	74.8	82.4	64.4	62.7	59.0	59.6	52.4	35.3
February	76.1	99.9	59.8	74.3	81.3	66.5	64.6	60.6	61.2	52.4	34.4
March	75.7	99.4	60.6	75.4	83.2	69.2	66.2	62.9	63.3	54.5	35.6
April	77.8	100.7	59.7	69.4	77.0	66.9	61.9	62.5	62.4	54.8	36.3
May	80.1	102.2	59.9	67.3	68.8	65.8	59.8	62.3	62.0	52.3	36.8
June	79.8	102.5	58.7	63.9	65.3	64.0	57.9	60.5	60.2	50.2	34.7
July	77.6	99.7	55.3	62.2	61.4	61.5	54.1	56.9	56.6	45.4	33.2
August	76.2	98.8	54.6	63.1	61.9	58.9	54.6	56.2	56.0	46.3	31.9
September	74.9	98.2	56.9	62.8	66.5	65.2	57.3	60.4	60.1	46.0	31.5
October	75.4	98.0	61.4	54.6	75.5	76.4	63.4	67.0	66.6	49.6	31.7

^a Includes No. 4 fuel oil and No. 4 diesel fuel.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

Figure 2. U.S. Refiner Retail Product Prices

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Table 3. U.S. Refiner Volumes of Petroleum Products to End Users
(Million Gallons per Day)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Total		
1983 Average	51.1	0.4	30.8	3.1	0.2	0.5	3.7	23.3	27.0	0.7	28.3
1984 Average	57.6	.3	32.9	3.3	.3	.5	4.9	26.3	31.2	.7	32.9
1985 Average	57.5	.3	34.6	3.7	.3	.5	5.0	25.0	29.9	.5	25.2
1986 Average	61.4	.3	34.6	3.6	.3	.4	4.3	24.5	28.8	.6	31.7
1987 Average	61.0	.2	36.8	3.8	.3	.4	4.5	24.1	28.5	.8	29.0
1988 Average	61.0	.2	38.2	4.3	.3	.4	4.6	24.5	29.1	1.1	30.2
1989 Average	61.2	.2	40.1	2.8	.3	.5	4.5	24.3	28.8	.9	30.4
1990 Average	60.3	.2	39.9	2.7	.2	.5	3.6	22.2	25.9	.8	25.9
1991											
January	56.9	.2	37.3	5.0	.4	1.2	4.4	20.3	24.7	1.2	23.4
February	59.4	.2	35.4	3.8	.3	.8	3.6	19.8	23.4	1.0	22.7
March	61.6	.2	35.7	3.1	.2	.5	3.4	20.0	23.4	.8	25.4
April	62.0	.2	38.4	2.8	.2	.3	3.4	21.2	24.6	.7	22.1
May	62.2	.2	39.6	2.1	.1	.2	2.8	21.3	24.1	.4	23.2
June	63.3	.2	38.7	1.9	.2	.2	2.9	21.1	24.0	.5	25.9
July	62.8	.3	39.9	2.2	.2	.3	2.9	21.3	24.2	.6	28.3
August	62.5	.2	41.7	2.3	.3	.3	2.7	22.9	25.6	.5	24.8
September	60.3	.2	39.8	2.8	.1	.3	2.8	22.3	25.0	.5	23.1
October	61.2	.2	39.4	3.3	.2	.5	3.2	23.0	26.2	.4	19.8
November	60.4	.2	38.5	3.7	.2	.7	3.2	20.8	24.1	.6	21.7
December	61.5	.2	38.0	4.0	.3	.9	3.6	19.6	23.2	.7	27.6
1991 Average	61.2	.2	38.5	3.1	.2	.5	3.2	21.1	24.4	.7	24.0
1992											
January	56.4	.2	36.8	4.7	.3	.9	4.1	20.7	24.8	1.0	28.4
February	58.3	.2	37.9	4.5	.3	.7	3.4	20.6	23.9	.8	27.9
March	59.6	.2	38.5	3.8	.2	.5	3.3	21.9	25.2	.8	26.2
April	60.0	.2	39.3	2.7	.1	.3	3.2	22.4	25.6	.5	22.8
May	59.6	.2	39.1	2.1	.1	.2	2.8	21.3	24.1	.4	19.5
June	60.4	.2	41.3	2.7	.1	.2	2.9	22.1	25.0	.2	21.5
July	60.4	.2	42.0	3.2	.1	.3	2.8	22.0	24.8	.5	21.0
August	59.1	.2	42.1	3.1	.1	.2	2.6	21.6	24.2	.3	18.9
September	58.6	.2	41.3	3.4	.2	.3	2.7	22.4	25.1	.4	20.0
October	59.0	.2	40.3	4.3	.2	.4	3.0	22.0	25.1	.5	19.7
November	56.9	.2	40.1	5.4	.2	.6	2.8	20.6	23.3	.5	20.7
December	59.3	.2	38.9	5.9	.3	.9	3.6	20.7	24.3	.9	22.2
1992 Average	59.0	.2	39.8	3.7	.2	.5	3.1	21.5	24.6	.6	21.6
1993											
January	53.8	.1	39.2	4.9	.3	.8	3.4	19.7	23.2	.8	20.6
February	57.3	.2	39.2	5.2	.3	.9	3.7	20.5	24.2	.9	21.6
March	57.6	.2	40.8	4.4	.2	.6	3.4	21.1	24.5	.8	19.4
April	58.1	.2	40.7	3.1	.1	.3	3.0	21.3	24.3	.5	20.2
May	57.6	.2	41.5	2.0	.1	.2	2.4	19.9	22.3	.4	15.2
June	60.5	.2	42.1	2.3	.1	.3	2.9	21.2	24.1	.4	17.1
July	58.8	.2	43.1	2.1	.1	.3	2.6	20.6	23.2	.5	15.1
August	58.5	.2	42.6	2.5	.1	.2	2.6	20.9	23.5	.4	16.0
September	57.5	.2	42.8	2.8	.2	.3	2.8	20.7	23.5	.5	16.4
October	55.4	.2	42.2	4.8	.2	.3	2.5	21.6	24.1	.6	13.8

* Includes No. 4 fuel oil and No. 4 diesel fuel.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 3. U.S. Refiner Retail Product Volumes

Table 4. U.S. Refiner Prices of Petroleum Products for Resale
(Cents per Gallon Excluding Taxes)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Average		
1978 Average	43.4	53.7	38.6	23.7	40.4	40.6	36.9	36.5	36.7	30.5	26.3
1979 Average	63.7	72.1	66.0	29.1	62.4	58.3	56.9	57.4	57.1	47.0	39.9
1980 Average	94.1	112.8	86.8	41.5	86.4	88.0	80.3	80.1	80.2	67.0	52.8
1981 Average	106.4	125.0	101.2	46.6	106.6	107.1	97.6	97.2	97.4	78.3	66.3
1982 Average	97.3	122.8	95.3	42.7	101.8	103.8	91.4	91.4	91.4	73.7	61.2
1983 Average	88.2	117.8	85.4	48.4	89.2	89.6	81.5	80.8	81.2	72.6	60.9
1984 Average	83.2	116.5	83.0	45.0	91.6	89.2	82.1	80.3	81.3	70.7	65.4
1985 Average	83.5	113.0	79.4	39.8	87.4	86.3	77.6	77.2	77.4	67.2	57.7
1986 Average	53.1	91.2	49.5	29.0	60.6	57.9	48.6	45.2	47.0	40.9	30.5
1987 Average	58.9	85.9	53.8	25.2	59.2	59.9	52.7	53.4	53.1	46.2	38.5
1988 Average	57.7	85.0	49.5	24.0	54.9	54.9	47.3	47.3	47.3	42.5	30.0
1989 Average	65.4	95.0	58.3	24.7	66.9	66.8	56.5	56.7	56.6	48.0	36.0
1990 Average	78.6	106.3	77.3	38.6	83.9	83.8	69.7	69.4	69.5	59.0	41.3
1991											
January	76.2	111.2	82.0	42.2	88.0	85.7	76.6	75.5	76.1	71.6	50.2
February	68.0	104.2	74.0	31.6	78.1	74.7	67.9	67.4	67.7	60.1	33.4
March	67.3	97.4	62.4	31.3	66.2	66.0	59.6	57.7	58.6	52.9	28.2
April	70.7	97.8	58.9	31.8	63.0	65.4	57.2	57.4	57.3	50.3	28.7
May	74.2	100.3	60.8	31.9	61.4	63.3	56.0	57.2	56.7	47.0	30.3
June	70.5	99.5	58.8	29.3	59.0	58.9	54.0	54.5	54.3	45.3	29.7
July	69.1	98.9	59.4	27.6	62.6	62.4	56.7	57.1	56.9	46.8	28.8
August	72.7	100.2	63.3	29.6	67.1	67.8	60.6	61.9	61.3	49.5	27.9
September	69.1	99.9	65.9	34.9	68.9	69.6	62.1	62.9	62.5	46.6	27.9
October	68.8	98.8	67.1	40.2	73.5	73.6	66.3	65.6	65.9	50.8	29.5
November	69.9	99.5	68.2	43.0	74.6	75.6	66.6	66.5	66.6	54.4	30.7
December	62.9	97.3	60.1	37.7	62.6	64.7	55.9	55.6	55.7	53.4	28.9
1991 Average	69.9	100.1	65.0	34.9	72.2	73.0	62.2	61.5	61.8	55.6	31.4
1992											
January	60.0	94.9	53.9	30.9	59.9	58.4	51.9	51.4	51.7	49.5	24.4
February	61.7	93.1	55.2	30.2	62.0	62.1	54.0	54.1	54.0	48.2	25.6
March	62.7	92.5	54.6	29.5	59.1	62.3	53.7	54.0	53.9	46.5	24.6
April	66.6	96.4	56.9	29.0	61.6	64.3	56.5	57.0	56.8	46.5	27.4
May	71.5	100.5	60.8	29.4	62.1	66.6	58.8	60.1	59.5	48.4	30.2
June	74.2	101.5	63.3	31.6	63.7	69.3	61.7	62.7	62.2	49.5	32.5
July	71.0	102.0	64.8	31.5	65.7	68.8	61.3	61.8	61.6	49.5	34.7
August	70.6	102.6	63.9	32.9	64.2	68.0	60.1	60.4	60.3	49.1	34.7
September	71.0	102.3	64.3	35.4	68.8	71.4	62.7	63.3	63.0	50.1	34.8
October	70.4	100.5	66.0	36.6	70.1	73.6	64.6	65.5	65.1	52.7	37.4
November	68.1	99.7	61.5	36.2	64.5	68.7	58.8	60.4	59.6	52.2	35.9
December	63.8	97.6	58.9	36.3	62.8	63.7	55.7	56.4	56.0	51.6	30.6
1992 Average	67.7	99.1	60.4	32.8	63.2	65.1	57.9	59.0	58.5	49.5	30.7
1993											
January	63.8	96.9	57.7	40.2	61.4	63.2	54.4	54.9	54.6	50.3	31.2
February	63.8	96.5	60.5	36.7	63.7	65.7	56.9	57.4	57.1	49.3	31.1
March	65.2	97.4	60.3	38.2	65.4	67.4	59.0	60.0	59.5	53.8	32.9
April	67.7	97.7	59.9	36.2	60.8	65.4	57.5	59.9	58.7	52.4	33.6
May	69.2	99.4	60.1	34.0	58.3	66.5	56.9	59.6	58.4	51.3	31.0
June	66.2	99.1	58.4	33.8	56.9	63.0	54.9	57.2	56.2	46.9	30.0
July	62.7	97.9	55.1	33.3	53.6	59.0	51.0	53.1	52.2	45.4	27.4
August	62.9	96.9	55.2	33.3	55.6	57.9	51.0	53.2	52.2	46.7	26.9
September	61.5	96.3	56.8	34.1	58.8	66.1	54.8	58.8	57.3	47.5	26.8
October	61.7	94.8	60.7	34.7	65.6	75.7	59.7	66.1	63.9	45.2	28.4

* Includes No. 4 fuel oil and No. 4 diesel fuel.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

Figure 4. U.S. Refiner Wholesale Product Prices

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Table 5. U.S. Refiner Volumes of Petroleum Products for Resale
(Million Gallons per Day)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Total		
1983 Average	242.5	0.7	5.4	26.0	2.5	2.4	47.3	38.1	85.5	0.9	20.2
1984 Average	246.3	.8	6.6	26.7	2.2	2.6	51.4	42.8	94.2	1.7	21.3
1985 Average	256.9	.7	7.6	29.2	2.4	2.7	53.9	43.3	97.3	1.2	19.9
1986 Average	257.2	.7	10.1	26.3	2.4	2.4	54.5	46.6	101.1	1.2	18.7
1987 Average	257.2	.8	10.1	27.0	2.3	2.0	49.3	44.3	93.6	1.5	16.9
1988 Average	263.7	.7	10.0	27.7	2.7	2.6	50.1	47.8	97.9	1.2	18.9
1989 Average	260.7	.7	8.6	25.9	2.7	2.7	46.7	50.7	97.5	1.2	21.0
1990 Average	264.8	.7	8.8	25.5	2.2	2.4	46.9	51.9	97.8	.8	17.9
1991											
January	239.9	.5	8.9	33.8	4.4	5.8	61.9	50.3	112.2	.9	19.8
February	244.6	.5	9.7	30.9	3.3	3.2	55.1	47.5	102.6	.7	19.8
March	255.9	.6	8.4	24.8	2.0	1.7	49.3	52.3	101.7	.6	15.4
April	274.3	.7	8.7	21.8	.9	.9	43.8	52.3	96.1	.5	19.5
May	273.6	.8	7.5	19.1	.6	.7	40.4	52.2	92.6	.2	20.4
June	268.4	.9	9.3	19.9	.7	.8	41.8	53.3	95.1	.2	18.9
July	274.1	.9	9.8	23.6	.8	.8	42.7	52.0	94.8	.2	13.0
August	271.4	.9	9.2	23.2	1.0	1.0	42.2	52.8	95.0	.2	18.4
September	257.6	.8	8.2	24.0	1.7	1.5	40.7	52.5	93.2	.3	18.5
October	258.2	.7	7.8	26.2	2.2	2.8	46.5	56.6	103.1	.4	14.4
November	253.7	.5	8.1	27.5	3.2	4.8	43.5	47.0	90.5	.5	15.7
December	262.8	.5	9.0	30.1	3.9	4.5	54.5	48.3	102.8	.6	19.9
1991 Average	261.3	.7	8.7	25.4	2.1	2.4	46.9	51.5	98.3	.4	17.8
1992											
January	249.5	.5	7.4	33.9	4.6	4.6	61.7	47.9	109.6	.8	16.8
February	252.8	.5	8.7	28.4	3.4	3.0	56.4	45.7	102.1	.7	13.6
March	259.5	.7	7.6	24.1	2.4	1.7	50.4	49.4	99.8	.7	16.7
April	271.5	.6	7.7	21.6	1.2	.9	47.4	53.4	100.9	.4	17.9
May	269.5	.8	7.2	19.6	.8	.6	39.5	50.8	90.3	.3	17.1
June	271.7	.8	8.5	20.7	.9	.6	41.9	50.4	92.4	.1	16.2
July	272.8	.9	7.9	22.9	.6	.7	37.6	52.7	90.3	.2	15.6
August	265.8	.8	7.7	24.2	1.1	1.1	39.2	50.8	90.0	.2	12.6
September	268.3	.7	7.9	25.6	1.8	1.9	52.8	52.6	105.4	.2	14.3
October	266.6	.6	9.1	27.4	2.6	2.4	45.5	55.8	101.3	.5	13.1
November	260.9	.5	8.7	33.4	2.9	4.0	50.8	48.9	99.6	.5	14.3
December	275.8	.4	8.2	37.9	4.2	6.0	63.6	50.8	114.4	.8	14.0
1992 Average	265.7	.7	8.0	26.7	2.3	2.3	49.1	51.0	100.1	.4	16.0
1993											
January	245.4	.4	9.2	34.2	3.8	5.3	54.2	47.3	101.5	.6	10.1
February	260.3	.5	7.5	35.1	4.3	4.5	57.1	48.9	105.9	.7	14.2
March	263.0	.6	8.6	30.3	3.3	2.5	56.0	51.1	107.1	.8	13.2
April	268.6	.6	7.4	21.8	1.3	.9	47.1	51.9	99.0	.4	12.1
May	264.0	.7	7.2	19.0	.9	.6	40.1	50.7	90.8	.2	13.8
June	276.3	.8	7.2	23.3	.8	.7	42.3	52.4	94.6	.2	11.2
July	277.0	.8	7.7	21.5	.8	.6	39.5	53.3	92.8	.1	10.6
August	274.3	.8	8.0	24.9	1.1	1.0	43.1	56.1	99.2	.1	10.9
September	267.3	.7	8.0	27.3	1.9	1.4	39.5	61.7	101.3	.1	12.5
October	263.4	.6	7.6	28.4	2.2	1.7	35.3	65.7	101.0	.4	14.2

* Includes No. 4 fuel oil and No. 4 diesel fuel.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 5. U.S. Refiner Wholesale Product Volumes

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Figure 6. U.S. Refiner Retail Prices of Selected Products

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Figure 7. U.S. Refiner Wholesale Prices of Selected Products

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Table 6. U.S. Refiner Petroleum Product Prices to End Users by Seller
(Cents per Gallon Excluding Taxes)

Product	Major Refiners			Other Refiners			Average		
	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992
Motor Gasoline	76.0	75.6	81.8	73.7	73.1	80.0	75.4	74.9	81.3
Leaded Regular	-	72.0	81.2	-	82.6	89.4	-	75.1	83.9
Unleaded Regular	70.5	70.0	76.8	70.8	69.9	77.1	70.6	69.9	76.9
Unleaded Midgrade	80.2	79.7	85.6	77.7	77.2	83.4	79.6	79.2	85.1
Premium	89.8	89.4	94.6	85.1	84.8	92.1	88.8	88.4	94.1
Aviation Gasoline	98.0	99.6	105.4	W	91.4	W	98.0	98.2	104.3
Kerosene-Type Jet Fuel	61.4	56.8	66.4	61.5	57.2	66.5	61.4	56.9	66.4
Propane (Consumer Grade)	37.7	42.4	44.7	67.9	72.5	65.1	54.6	62.8	59.9
Kerosene	78.5	68.0	90.7	65.0	59.3	73.3	75.5	66.5	87.2
No. 1 Distillate	77.6	61.5	73.2	75.2	69.8	78.1	76.4	65.2	75.1
No. 2 Distillate	66.8	60.0	67.6	65.7	60.4	68.8	66.6	60.1	67.8
No. 2 Fuel Oil	63.6	57.5	68.0	62.7	56.8	68.9	63.4	57.3	68.2
No. 2 Diesel Fuel	67.2	60.3	67.5	66.1	61.1	68.8	67.0	60.4	67.8
No. 4 Fuel^a	48.7	46.3	58.0	51.0	45.0	57.7	49.6	46.0	57.9
Residual Fuel Oil	31.7	31.1	38.6	31.6	32.0	40.1	31.7	31.5	39.2
Sulfur Content not > 1 %	39.0	38.4	46.0	38.2	37.1	43.7	38.7	37.7	44.7
Sulfur Content > 1 %	29.1	28.4	36.8	29.0	28.8	38.1	29.1	28.6	37.3

^a Includes No. 4 fuel oil and No. 4 diesel fuel.

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 7. U.S. Refiner Petroleum Product Prices for Resale by Seller
(Cents per Gallon Excluding Taxes)

Product	Major Refiners			Other Refiners			Average		
	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992
Motor Gasoline	63.2	62.9	72.0	56.6	56.3	64.9	61.7	61.5	70.4
Leaded Regular	-	68.3	74.3	-	65.6	70.8	-	67.4	73.1
Unleaded Regular	59.6	59.2	68.3	55.8	55.2	63.8	58.5	58.1	67.1
Unleaded Midgrade	65.0	64.8	74.1	58.2	58.5	66.7	64.4	64.3	73.4
Premium	72.5	72.2	81.7	61.9	61.6	70.6	71.1	70.9	80.2
Aviation Gasoline	96.8	96.2	101.9	82.8	82.4	90.7	94.8	96.3	100.5
Kerosene-Type Jet Fuel	61.5	57.8	66.5	59.2	55.3	65.2	60.7	56.8	66.0
Propane (Consumer Grade)	34.9	34.1	37.8	34.6	34.2	35.2	34.7	34.1	36.8
Kerosene	67.0	61.2	72.2	62.7	NA	69.7	65.6	58.8	70.1
No. 1 Distillate	77.0	66.1	73.1	74.9	66.2	74.0	75.7	66.1	73.6
No. 2 Distillate	63.8	57.2	65.2	63.9	57.4	65.0	63.9	57.3	65.1
No. 2 Fuel Oil	59.7	54.5	64.7	59.7	55.2	64.4	59.7	54.8	64.6
No. 2 Diesel Fuel	65.8	58.7	65.6	66.5	59.1	65.4	66.1	58.8	65.5
No. 4 Fuel^a	W	W	W	44.3	46.8	53.0	45.2	47.5	52.7
Residual Fuel Oil	27.0	27.4	37.4	30.2	25.7	37.4	28.4	26.8	37.4
Sulfur Content not > 1 %	31.7	34.5	42.5	32.0	28.0	40.5	31.8	31.9	41.4
Sulfur Content > 1 %	23.8	24.0	35.8	28.4	24.0	35.2	25.7	24.0	35.5

^a Includes No. 4 fuel oil and No. 4 diesel fuel.

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Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 8. U.S. Refiner Petroleum Product Volumes to End Users by Seller
(Thousand Gallons per Day)

Product	Major Refiners			Other Refiners			Total		
	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992
Motor Gasoline	40,445	42,174	43,016	14,917	15,317	15,996	55,362	57,491	59,012
Leaded Regular	-	404	446	-	165	221	-	570	667
Unleaded Regular	25,269	25,908	26,873	10,887	11,031	11,845	36,156	36,939	38,718
Unleaded Midgrade	7,158	7,306	7,377	1,860	1,858	1,780	9,018	9,165	9,156
Premium	8,018	8,555	8,321	2,170	2,263	2,150	10,188	10,818	10,471
Aviation Gasoline	W	190	W	W	37	W	218	227	216
Kerosene-Type Jet Fuel	36,834	36,877	34,322	5,354	5,958	5,956	42,188	42,835	40,278
Propane (Consumer Grade)	2,109	902	1,099	2,689	1,912	3,238	4,798	2,815	4,337
Kerosene	149	124	150	42	26	37	191	150	187
No. 1 Distillate	142	153	230	143	125	147	284	277	377
No. 2 Distillate	19,186	19,047	20,193	4,922	4,481	4,859	24,108	23,528	25,053
No. 2 Fuel Oil	1,967	2,091	2,481	503	754	557	2,470	2,845	3,038
No. 2 Diesel Fuel	17,219	16,956	17,712	4,419	3,727	4,302	21,638	20,683	22,014
No. 4 Fuel^a	332	397	395	231	123	117	563	520	512
Residual Fuel Oil	8,120	9,886	11,768	5,675	6,534	7,923	13,795	16,421	19,690
Sulfur Content not > 1 %	2,145	2,713	2,233	1,607	2,531	2,858	3,752	5,244	5,090
Sulfur Content > 1 %	5,975	7,173	9,535	4,068	4,004	5,065	10,043	11,177	14,600

^a Includes No. 4 fuel oil and No. 4 diesel fuel.

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Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 9. U.S. Refiner Petroleum Product Volumes for Resale by Seller
(Thousand Gallons per Day)

Product	Major Refiners			Other Refiners			Total		
	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992	Oct. 1993	Sept. 1993	Oct. 1992
Motor Gasoline	203,666	208,661	206,792	59,781	58,592	59,786	263,448	267,253	266,578
Leaded Regular	-	2,215	2,557	-	1,009	1,327	-	3,224	3,884
Unleaded Regular	132,349	133,291	134,081	49,997	48,185	48,727	182,346	181,476	182,808
Unleaded Midgrade	25,729	25,791	25,425	2,726	2,423	2,560	28,455	28,213	27,985
Premium	45,589	47,365	44,730	7,058	6,976	7,171	52,647	54,340	51,901
Aviation Gasoline	537	620	545	88	86	78	625	706	624
Kerosene-Type Jet Fuel	4,898	4,809	5,724	2,688	3,194	3,329	7,586	8,004	9,053
Propane (Consumer Grade)	15,091	15,791	14,715	13,294	11,541	12,718	28,385	27,332	27,433
Kerosene	1,450	1,044	1,622	720	NA	966	2,170	1,860	2,588
No. 1 Distillate	665	489	1,108	1,022	892	1,268	1,687	1,381	2,377
No. 2 Distillate	58,949	61,677	61,528	42,029	39,576	39,786	100,978	101,253	101,314
No. 2 Fuel Oil	19,294	22,238	27,629	16,033	17,306	17,868	35,326	39,544	45,497
No. 2 Diesel Fuel	39,655	39,439	33,900	25,996	22,270	21,918	65,651	61,709	55,818
No. 4 Fuel^a	W	W	W	W	W	W	417	132	516
Residual Fuel Oil	7,809	8,379	7,531	6,379	4,134	5,578	14,188	12,512	13,109
Sulfur Content not > 1 %	3,187	2,682	1,846	3,189	1,783	2,343	6,376	4,465	4,189
Sulfur Content > 1 %	4,622	5,696	5,686	3,190	2,351	3,235	7,812	8,047	8,920

^a Includes No. 4 fuel oil and No. 4 diesel fuel.

Dashes (-) = No data reported.

NA = Not available.

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Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 8. Percentages of Refiner Total Motor Gasoline Sales, U.S. Average

Source: Energy Information Administration, Form EIA-782A, "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report," providing October 1993 data.

Table 10. U.S. Refiner Total Motor Gasoline Prices, Volumes, and Percentages by Seller

Sales Type Month	Major Refiners			Other Refiners			Total		
	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)
All Sales									
October 1993	65.3	7,567	100.0	60.0	2,316	100.0	64.1	9,883	100.0
September 1993	65.1	7,525	100.0	59.8	2,217	100.0	63.9	9,742	100.0
October 1992	73.7	7,744	100.0	68.1	2,349	100.0	72.4	10,093	100.0
Sales to End Users									
October 1993	76.0	1,254	16.6	73.7	462	20.0	75.4	1,716	17.4
September 1993	75.6	1,265	16.8	73.1	460	20.7	74.9	1,725	17.7
October 1992	81.8	1,334	17.2	80.0	496	21.1	81.3	1,829	18.1
Through Company Outlets									
October 1993	76.7	1,197	15.8	74.2	444	19.2	76.0	1,641	16.6
September 1993	76.2	1,211	16.1	73.6	442	19.9	75.5	1,653	17.0
October 1992	82.3	1,279	16.5	80.4	475	20.2	81.8	1,753	17.4
Other End Users									
October 1993	61.6	57	.8	61.3	18	.8	61.5	75	.8
September 1993	62.0	54	.7	61.2	17	.8	61.8	72	.7
October 1992	71.1	55	.7	71.3	21	.9	71.1	76	.8
Sales for Resale									
October 1993	63.2	6,314	83.4	56.6	1,853	80.0	61.7	8,167	82.6
September 1993	62.9	6,260	83.2	56.3	1,758	79.3	61.5	8,018	82.3
October 1992	72.0	6,411	82.8	64.9	1,853	78.9	70.4	8,264	81.9

Note: Values shown represent the percentage of major refiners (100 percent) or other refiners and gas plant operators (100 percent) sales by sales type. The sum of sales to end users and sales for resale is 100 percent for each seller type.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals or averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 11. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type
(Cents per Gallon Excluding Taxes)

Year Month	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
1983 Average	91.2	88.1	85.0	98.0	91.5	89.5	NA	NA	NA	108.0	96.1	96.4
1984 Average	85.1	82.8	79.5	92.2	86.5	84.2	NA	NA	NA	102.1	93.7	91.6
1985 Average	84.6	82.0	79.3	92.5	86.1	84.3	NA	NA	NA	103.0	92.8	92.2
1986 Average	57.8	54.4	50.1	62.4	54.9	52.2	NA	NA	NA	74.8	63.0	61.0
1987 Average	62.3	57.4	56.5	65.9	56.4	56.9	NA	NA	NA	79.0	65.4	67.1
1988 Average	62.4	55.5	54.8	64.9	55.0	54.8	NA	NA	NA	79.4	64.9	67.2
1989 Average	71.6	64.4	63.1	72.0	62.9	61.8	79.8	69.5	68.6	87.4	73.7	74.9
1990 Average	83.4	76.8	75.4	85.3	77.5	75.8	92.3	84.0	81.4	99.0	87.3	87.4
1991												
January	86.6	75.8	75.1	85.9	76.2	73.5	93.2	81.1	79.2	100.6	86.2	85.5
February	76.2	66.7	65.2	76.5	68.6	65.5	83.7	73.0	71.2	90.9	77.6	77.4
March	66.1	63.4	59.2	70.9	67.0	65.1	78.5	70.4	70.7	85.0	75.2	75.5
April	66.5	67.3	62.4	73.9	70.5	68.6	82.2	74.8	74.1	88.3	78.8	79.1
May	72.0	73.2	67.6	78.9	73.9	71.7	87.3	78.5	77.7	93.5	82.8	83.4
June	72.7	67.3	65.3	78.8	70.5	67.6	87.3	74.4	74.2	93.3	79.2	80.4
July	68.5	66.6	62.9	75.5	68.5	66.3	84.6	72.5	72.6	90.6	76.9	78.6
August	70.3	70.8	67.2	77.6	72.1	69.9	86.8	76.0	76.1	92.9	80.4	81.9
September	72.0	69.3	67.6	76.7	68.8	66.0	85.7	73.4	72.4	91.9	77.9	79.2
October	70.4	68.3	66.1	74.4	67.8	65.9	83.1	70.9	71.7	89.8	76.1	78.2
November	70.1	70.2	66.3	75.6	68.2	66.9	84.1	73.6	73.0	90.6	76.9	79.3
December	69.5	66.2	62.0	72.3	61.6	59.5	80.5	67.0	66.7	88.1	70.0	73.0
1991 Average	71.7	69.0	65.7	76.4	69.6	67.2	84.7	73.8	73.3	91.2	78.2	79.2
1992												
January	67.2	63.6	58.2	67.6	57.3	56.5	76.8	60.7	63.7	85.5	66.7	70.2
February	66.6	64.9	58.5	66.4	59.7	58.5	75.4	61.2	65.0	84.5	69.1	71.6
March	68.3	NA	60.6	67.2	61.2	59.7	76.1	63.6	65.2	85.0	70.3	71.9
April	72.5	70.1	65.8	70.9	65.3	63.7	79.6	68.9	68.8	88.3	74.3	75.4
May	80.8	76.7	73.2	76.7	70.4	68.5	85.0	74.6	73.8	93.7	80.4	80.6
June	85.1	79.1	76.6	80.7	72.9	71.2	88.7	76.7	76.7	97.5	82.4	83.3
July	86.9	78.4	77.3	79.4	70.3	67.7	87.7	73.3	73.7	96.8	79.2	80.6
August	85.7	77.0	74.9	78.2	69.0	67.3	86.6	72.4	73.3	95.9	78.2	80.3
September	83.5	75.8	73.8	78.3	70.5	67.8	86.8	74.1	74.0	95.8	79.8	80.9
October	84.0	77.1	73.1	77.3	69.2	67.1	85.5	72.9	73.4	94.7	78.3	80.2
November	84.2	NA	71.7	77.4	67.6	64.4	85.7	70.9	72.2	95.2	76.5	78.9
December	81.0	73.8	65.2	74.3	62.7	60.0	82.9	66.1	68.2	92.5	71.9	74.4
1992 Average	78.5	74.2	69.3	74.5	66.3	64.4	82.6	69.1	70.7	91.3	75.6	77.3
1993												
January	78.4	70.6	63.3	72.6	61.6	60.2	81.6	66.1	68.1	90.6	70.9	74.2
February	75.9	71.2	64.4	71.9	62.1	60.4	80.8	66.4	67.5	88.6	71.7	73.3
March	71.6	72.6	63.9	71.5	62.9	62.0	80.7	67.3	68.7	88.3	71.6	74.7
April	73.0	76.4	66.7	73.5	65.6	64.6	82.9	70.0	70.8	91.7	75.1	76.7
May	77.0	78.5	69.4	75.8	67.8	66.1	84.9	72.3	72.3	93.7	77.9	78.4
June	78.2	77.7	69.5	75.6	66.6	62.9	84.6	69.9	69.7	93.4	75.1	76.0
July	77.8	75.3	66.9	73.2	61.3	59.3	82.4	65.5	66.1	91.2	70.8	72.5
August	76.2	74.4	65.8	71.7	61.1	59.6	81.1	64.9	66.1	90.2	70.2	72.4
September	75.3	68.9	67.4	70.4	59.8	58.1	79.7	63.2	64.3	89.2	68.9	70.9
October	-	-	-	71.1	59.5	58.5	80.3	62.8	64.4	89.7	68.7	71.1

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 12. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type
(Million Gallons per Day)

Year Month	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
1983 Average	17.3	4.1	115.4	20.0	3.6	98.3	NA	NA	NA	5.0	1.2	28.7
1984 Average	17.5	3.1	105.8	24.3	3.5	106.8	NA	NA	NA	8.5	.7	33.7
1985 Average	15.0	2.7	99.2	26.2	3.6	119.7	NA	NA	NA	9.2	.7	38.0
1986 Average	14.4	2.3	84.9	30.9	3.9	128.1	NA	NA	NA	9.0	.9	45.0
1987 Average	11.8	1.4	82.3	32.7	3.4	141.9	NA	NA	NA	11.2	.5	53.0
1988 Average	8.7	.7	47.7	34.2	3.1	153.6	NA	NA	NA	13.8	.6	62.4
1989 Average	4.7	.4	27.8	34.3	2.5	155.7	4.9	0.2	16.4	13.5	.7	60.8
1990 Average	2.1	.1	13.6	36.7	2.1	174.5	7.4	.2	23.1	11.2	.5	53.7
1991												
January	1.6	.1	9.0	36.5	2.0	168.2	7.0	.3	20.8	9.0	.4	42.0
February	1.7	.1	8.3	38.1	1.7	172.2	7.4	.2	20.9	10.0	.3	43.2
March	1.7	.0	9.0	39.1	1.9	178.9	7.6	.3	21.9	10.5	.4	46.0
April	1.8	.1	9.9	39.2	2.2	193.3	7.7	.2	23.3	10.3	.4	47.8
May	1.8	.1	9.4	39.4	2.2	191.2	7.9	.3	24.4	10.2	.4	48.6
June	1.8	.1	9.5	39.8	2.0	185.3	8.1	.3	24.4	10.8	.4	49.2
July	1.8	.0	9.8	38.9	2.0	187.9	8.2	.3	25.3	11.0	.4	51.0
August	1.8	.0	9.6	39.2	2.0	185.3	8.1	.3	25.4	10.8	.4	51.0
September	1.7	.0	8.3	37.5	2.0	177.8	7.9	.2	23.1	10.6	.4	48.3
October	1.5	.1	8.2	37.9	2.1	175.1	8.1	.3	24.0	10.8	.4	50.9
November	1.3	.0	6.2	37.1	2.1	173.9	8.4	.2	24.3	10.9	.4	49.3
December	1.1	.0	4.4	37.5	1.9	181.1	9.0	.2	25.9	11.2	.4	51.4
1991 Average	1.6	.1	8.5	38.4	2.0	180.9	7.9	.3	23.7	10.5	.4	48.3
1992												
January	.7	.0	3.7	34.4	1.9	170.2	8.4	.3	25.9	10.3	.4	49.7
February	.7	.0	3.8	35.5	1.9	172.8	8.7	.4	26.3	10.7	.4	49.9
March	.8	.0	4.0	36.3	2.0	177.8	8.9	.4	26.8	10.8	.4	50.9
April	.7	.0	4.4	36.7	2.0	185.6	9.0	.3	27.7	10.8	.4	53.8
May	.7	.0	4.3	36.8	1.9	184.9	8.9	.3	27.4	10.5	.4	52.9
June	.8	.0	4.5	37.8	1.9	186.6	9.0	.3	28.1	10.2	.4	52.4
July	.7	.0	4.4	37.5	1.8	186.8	9.1	.3	28.8	10.5	.4	52.8
August	.7	.0	4.3	37.1	1.7	182.1	8.9	.3	28.0	10.0	.4	51.3
September	.7	.0	4.1	37.0	1.7	187.2	8.7	.3	27.4	9.8	.4	49.6
October	.7	.0	3.9	37.0	1.7	182.8	8.9	.3	28.0	10.1	.4	51.9
November	.6	.0	3.3	35.6	1.6	179.9	8.6	.3	27.0	9.8	.4	50.6
December	.6	.0	3.1	36.9	1.6	189.5	9.1	.3	28.7	10.4	.4	54.5
1992 Average	.7	.0	4.0	36.6	1.8	182.5	8.8	.3	27.5	10.4	.4	51.8
1993												
January	.5	.0	2.8	33.4	1.5	169.1	8.3	.3	25.5	9.6	.3	48.1
February	.6	.0	2.9	35.1	1.7	178.6	8.7	.3	26.9	10.6	.4	51.8
March	.6	.0	3.1	35.4	1.8	182.3	8.7	.3	27.2	10.5	.4	50.4
April	.6	.0	3.3	36.3	1.8	184.7	8.8	.3	28.0	10.0	.4	52.8
May	.5	.0	3.3	35.9	1.7	181.7	8.8	.3	27.5	9.9	.4	51.6
June	.6	.0	3.4	37.8	1.8	190.8	9.2	.3	28.4	10.5	.4	53.7
July	.5	.0	3.3	36.3	1.5	189.3	9.2	.3	29.2	10.7	.4	55.2
August	.5	.0	3.4	35.9	1.6	186.6	9.1	.3	28.7	10.6	.4	55.5
September	.6	.0	3.2	35.3	1.7	181.5	8.9	.3	28.2	10.4	.4	54.3
October	-	-	-	34.5	1.7	182.3	8.7	.3	28.5	9.8	.4	52.6

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 9. U.S. Refiner Total Motor Gasoline Sales Volumes

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Table 13. U.S. Refiner Total Motor Gasoline Prices by Seller
(Cents per Gallon Excluding Taxes)

Year Month	Major Refiners			Other Refiners			Average		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
1978 Average	49.4	48.2	43.8	48.2	45.8	42.1	48.9	46.1	43.4
1979 Average	72.8	68.0	64.3	71.0	67.5	61.8	72.1	67.9	63.7
1980 Average	105.6	98.7	95.1	103.0	97.8	91.3	104.6	98.5	94.1
1981 Average	117.0	109.4	107.5	114.2	108.4	103.2	115.9	109.2	106.4
1982 Average	108.2	101.1	98.3	105.6	100.2	94.3	107.2	100.9	97.3
1983 Average	97.0	90.6	89.0	95.2	89.7	85.6	96.4	90.5	86.2
1984 Average	92.0	85.7	84.2	90.0	84.9	80.2	91.4	85.6	83.2
1985 Average	93.0	85.7	84.7	89.8	83.5	79.9	92.1	85.2	83.5
1986 Average	64.1	57.6	54.4	61.2	52.7	48.7	63.2	55.8	53.1
1987 Average	68.7	59.2	60.1	65.3	55.2	55.0	67.8	57.5	56.9
1988 Average	69.2	57.8	59.3	65.2	54.1	52.7	68.1	56.4	57.7
1989 Average	77.1	66.2	66.8	73.5	63.3	60.8	76.3	65.2	65.4
1990 Average	89.4	79.6	80.0	87.0	80.0	74.0	88.8	79.7	78.6
1991									
January	89.8	78.0	77.4	88.0	78.5	72.0	89.3	78.1	76.2
February	80.5	70.3	69.0	78.4	70.1	64.4	79.9	70.3	68.0
March	74.7	68.6	67.6	72.8	68.4	65.7	74.2	68.5	67.3
April	77.6	72.3	71.0	76.3	71.4	69.5	77.3	72.1	70.7
May	82.8	75.8	75.0	81.0	75.2	71.2	82.3	75.7	74.2
June	82.9	72.0	71.7	80.6	72.1	66.2	82.3	72.1	70.5
July	79.9	69.9	69.9	77.7	70.7	66.0	79.3	70.1	69.1
August	82.1	73.5	73.5	79.5	74.4	69.5	81.4	73.7	72.7
September	81.2	70.8	70.4	79.0	69.9	64.6	80.6	70.6	69.1
October	78.8	69.1	69.7	77.2	70.3	65.3	78.4	69.4	68.8
November	79.7	70.2	71.0	78.9	69.8	65.9	79.5	70.1	69.9
December	76.9	63.5	64.4	75.4	63.4	57.2	76.5	63.5	62.9
1991 Average	80.5	71.3	70.9	78.7	71.1	66.5	80.0	71.3	69.9
1992									
January	73.5	58.8	61.5	69.7	60.4	54.3	72.5	59.2	60.0
February	72.2	61.4	63.0	68.8	61.0	56.9	71.3	61.3	61.7
March	72.8	62.8	63.7	69.7	63.7	59.2	72.0	63.0	62.7
April	76.2	67.4	67.4	73.8	66.5	63.7	75.6	67.1	66.6
May	81.9	72.5	72.5	79.4	72.2	67.8	81.2	72.5	71.5
June	85.7	74.7	75.3	83.1	75.3	70.0	85.0	74.9	74.2
July	84.5	71.3	72.3	82.6	74.2	65.7	84.0	72.1	71.0
August	83.3	70.2	71.9	81.2	72.7	65.4	82.8	70.9	70.6
September	83.2	71.9	72.3	81.5	74.2	66.2	82.8	72.5	71.0
October	82.3	71.1	72.0	80.4	71.3	64.9	81.8	71.1	70.4
November	82.7	69.4	70.4	80.0	69.8	60.2	82.0	69.5	68.1
December	79.9	64.5	66.0	76.6	65.2	55.8	79.0	64.6	63.8
1992 Average	79.5	68.0	69.1	77.3	68.7	62.5	78.9	68.2	67.7
1993									
January	78.1	63.7	65.7	75.3	63.3	56.6	77.4	63.6	63.8
February	77.4	64.5	65.5	74.4	63.3	57.4	76.6	64.2	63.8
March	76.9	65.0	66.5	74.3	64.4	60.2	76.2	64.8	65.2
April	78.8	68.1	68.7	76.7	66.5	63.6	78.3	67.7	67.7
May	81.2	70.4	70.4	78.7	69.0	64.7	80.5	70.0	69.2
June	80.8	68.0	67.7	78.8	69.2	60.8	80.2	68.3	66.2
July	78.8	63.8	64.3	76.2	62.4	56.8	78.1	63.4	62.7
August	77.6	63.1	64.4	74.6	63.2	57.7	76.8	63.1	62.9
September	76.2	62.0	62.9	73.6	61.2	56.3	75.5	61.8	61.5
October	76.7	61.6	63.2	74.2	61.3	56.6	76.0	61.5	61.7

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-480, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

Table 14. U.S. Refiner Total Motor Gasoline Volumes by Seller
(Million Gallons per Day)

Year Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
1983 Average	27.1	8.0	185.6	15.1	0.8	56.8	42.3	8.8	242.5
1984 Average	34.5	6.3	188.2	15.8	1.0	58.1	50.3	7.3	246.3
1985 Average	35.8	5.4	194.7	14.7	1.6	62.1	50.5	7.0	256.9
1986 Average	38.3	4.5	196.2	16.0	2.7	61.1	54.2	7.1	257.2
1987 Average	40.2	3.1	198.5	15.5	2.2	58.7	55.7	5.3	257.2
1988 Average	40.9	2.8	199.9	15.8	1.6	63.8	56.7	4.4	263.7
1989 Average	44.1	2.4	200.9	13.4	1.3	59.8	57.5	3.8	260.7
1990 Average	43.2	2.4	204.7	14.2	.6	60.1	57.4	3.0	264.8
1991									
January	40.0	2.1	185.7	14.2	.6	54.3	54.2	2.8	239.9
February	42.4	1.7	191.1	14.7	.6	53.5	57.1	2.3	244.6
March	44.1	2.0	204.0	14.8	.7	51.9	58.9	2.6	255.9
April	43.5	2.2	214.0	15.5	.8	60.3	59.0	3.0	274.3
May	43.9	2.4	214.2	15.3	.7	59.4	59.2	3.0	273.6
June	45.2	2.1	210.5	15.4	.7	57.9	60.6	2.8	268.4
July	44.1	2.0	216.9	15.7	.8	57.2	59.8	2.8	274.1
August	44.4	2.0	213.2	15.4	.7	58.2	59.8	2.7	271.4
September	42.9	1.9	199.2	14.8	.7	58.3	57.7	2.6	257.6
October	42.9	2.1	208.0	15.3	.8	52.1	58.3	2.9	258.2
November	43.2	2.0	199.4	14.4	.8	54.4	57.7	2.8	253.7
December	44.4	2.0	208.1	14.5	.7	54.8	58.9	2.6	262.8
1991 Average	43.4	2.0	205.3	15.0	.7	56.0	58.4	2.7	261.3
1992									
January	39.3	1.9	197.4	14.5	.7	52.2	53.8	2.6	249.5
February	40.9	2.0	199.1	14.7	.7	53.8	55.6	2.7	252.8
March	42.1	2.1	200.7	14.7	.7	58.8	56.8	2.8	259.5
April	41.8	2.0	212.4	15.5	.7	59.0	57.2	2.7	271.5
May	41.9	2.0	211.2	15.0	.7	58.3	57.0	2.6	269.5
June	42.6	2.0	214.3	15.1	.7	57.4	57.7	2.6	271.7
July	42.3	1.8	216.2	15.6	.7	58.6	57.9	2.5	272.8
August	41.8	1.7	210.8	14.9	.6	55.1	56.7	2.3	265.8
September	41.6	1.7	210.6	14.6	.8	57.7	56.2	2.4	268.3
October	41.2	1.8	206.8	15.3	.7	59.8	56.6	2.4	266.6
November	40.0	1.6	202.6	14.6	.6	58.4	54.6	2.3	260.9
December	41.9	1.7	215.0	15.1	.6	60.8	57.1	2.2	275.8
1992 Average	41.5	1.9	207.8	15.0	.7	57.9	56.5	2.5	265.7
1993									
January	37.9	1.6	194.8	13.8	.5	50.7	51.8	2.1	245.4
February	39.9	1.7	205.4	15.0	.6	54.9	55.0	2.3	260.3
March	40.1	1.8	205.4	15.0	.6	57.6	55.2	2.5	263.0
April	40.8	1.8	211.8	14.9	.7	56.8	55.7	2.5	268.6
May	40.5	1.8	207.5	14.7	.6	56.5	55.2	2.4	264.0
June	42.2	1.8	216.1	15.9	.6	60.2	58.1	2.4	276.3
July	41.5	1.6	218.8	15.2	.5	58.2	56.7	2.1	277.0
August	40.7	1.7	215.0	15.5	.6	59.3	56.2	2.3	274.3
September	40.4	1.8	208.7	14.7	.6	58.6	55.1	2.4	267.3
October	38.6	1.8	203.7	14.3	.6	59.8	52.9	2.4	263.4

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 15. U.S. No. 2 Distillate Prices
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users						Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c	Average	
1993 Average	107.8	86.3	88.3	94.3	89.7	93.3	81.8
1994 Average	109.1	85.7	87.0	92.0	89.2	92.6	81.9
1995 Average	105.3	82.1	83.4	88.6	85.3	89.0	78.1
1996 Average	83.6	51.4	53.7	59.8	56.9	61.4	48.0
1997 Average	80.3	56.6	59.7	64.4	63.1	64.3	53.5
1998 Average	81.3	51.9	54.2	61.6	58.7	61.2	48.2
1999 Average	90.0	60.8	63.8	68.5	66.7	69.5	57.2
1990 Average	106.3	75.1	78.0	85.2	82.8	84.1	70.6
1991							
January	117.1	84.1	85.0	90.6	89.2	96.3	76.9
February	110.5	75.1	76.3	81.1	79.3	86.8	68.7
March	102.6	65.2	67.0	72.0	71.7	76.3	59.9
April	96.9	63.0	65.8	70.4	71.0	71.3	58.0
May	92.5	61.7	64.2	69.9	70.3	68.0	57.3
June	89.3	59.6	62.1	67.8	68.1	65.2	55.1
July	86.6	61.4	64.3	68.5	69.1	66.4	57.6
August	87.0	64.9	68.1	72.0	72.5	69.8	61.8
September	89.7	66.6	70.5	73.9	74.9	72.4	63.1
October	94.0	70.2	73.2	76.3	77.8	76.3	66.5
November	98.0	71.6	74.4	78.9	77.3	79.5	66.9
December	95.9	63.3	65.8	74.1	69.4	75.1	56.6
1991 Average	101.9	67.5	69.7	74.5	73.8	76.0	62.7
1992							
January	94.2	58.9	60.9	67.9	65.3	72.7	52.8
February	94.2	60.7	62.7	67.3	66.5	73.0	54.9
March	93.2	59.8	62.5	67.4	67.5	71.1	54.6
April	92.5	61.5	65.5	69.5	69.9	70.3	57.5
May	92.3	63.8	67.9	72.0	73.3	70.9	60.1
June	92.0	66.0	70.4	74.2	74.4	72.0	62.7
July	90.4	65.4	69.9	74.6	73.5	71.3	62.1
August	88.6	64.4	68.8	73.8	73.1	70.5	60.9
September	90.1	66.9	70.9	74.3	75.5	73.1	63.5
October	93.7	68.8	72.7	76.2	77.5	76.1	65.4
November	94.8	65.3	69.0	74.9	73.9	75.1	60.3
December	94.5	63.0	66.0	72.1	69.9	74.9	57.0
1992 Average	93.4	63.9	67.5	71.8	72.1	72.6	59.1
1993							
January	94.3	61.6	64.3	70.3	68.4	74.2	55.7
February	94.6	63.5	65.7	70.2	69.9	75.7	58.1
March	95.4	65.3	67.8	72.2	71.7	76.1	60.1
April	92.5	63.9	66.9	72.2	72.2	72.2	59.3
May	91.0	63.2	68.2	71.4	72.6	69.9	58.9
June	88.9	61.3	66.8	70.7	69.9	67.8	56.7
July	85.6	58.0	63.6	68.7	67.0	64.7	53.0
August	84.1	57.8	63.4	67.4	67.1	64.6	53.0
September	85.4	62.0	68.1	70.6	71.7	69.1	57.7
October	88.6	67.6	73.0	78.1	78.1	75.2	63.6

^a No. 2 fuel oil only.

^b No. 2 diesel fuel only.

^c Sales to "other end users" are all end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

Figure 10. U.S. No. 2 Distillate Average Retail Prices

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 16. Prices of No. 2 Distillate to Residences
by Selected States**
(Cents per Gallon Excluding Taxes)

Year Month	CT	ME	MA	NH	RI	VT	DE	DC	MD	NJ	NY	PA	VA
1978 Average	50.1	48.6	48.8	50.3	50.7	50.8	47.8	50.7	49.2	49.6	50.1	48.8	49.1
1979 Average	72.0	68.8	70.9	72.5	72.8	72.5	68.2	74.2	70.1	71.0	71.2	69.8	70.4
1980 Average	98.3	96.3	97.8	100.4	101.1	101.5	95.4	102.6	97.9	97.9	98.2	96.4	98.5
1981 Average	121.7	120.4	121.3	123.7	123.8	125.4	117.3	127.4	121.4	121.5	123.2	118.1	120.5
1982 Average	118.3	115.5	117.6	117.4	120.1	120.1	111.3	124.5	117.1	117.4	120.5	113.7	117.7
1983 Average	109.1	102.8	109.1	104.1	110.5	112.9	106.0	117.0	110.3	107.9	112.1	105.8	108.7
1984 Average	112.1	103.9	111.6	108.4	111.4	111.9	109.6	118.7	113.5	111.0	115.5	107.9	110.5
1985 Average	108.0	99.7	107.0	102.4	106.7	107.7	104.6	114.3	108.8	105.9	111.3	102.3	106.3
1986 Average	89.0	74.4	82.1	75.9	82.8	86.6	85.0	93.1	91.4	90.2	91.1	81.4	86.6
1987 Average	83.4	74.7	80.6	76.5	82.5	81.1	79.3	91.8	86.6	84.3	85.2	76.9	79.5
1988 Average	85.3	77.7	82.1	78.2	83.6	82.6	80.1	91.6	87.0	84.8	86.3	77.8	80.5
1989 Average	92.9	89.4	92.6	89.3	93.9	90.5	88.2	98.6	93.8	91.8	95.8	85.1	87.0
1990 Average	109.8	98.9	108.4	102.8	108.6	107.0	105.8	107.8	111.9	108.7	112.5	102.6	110.6
1991													
January	122.5	114.4	118.1	107.2	113.3	117.7	113.0	124.1	122.0	119.6	124.6	117.7	117.2
February	116.0	105.9	111.3	100.7	109.5	111.3	105.4	118.6	116.1	113.2	120.2	110.9	110.3
March	109.0	95.4	102.6	90.5	101.8	104.4	98.4	112.3	107.7	104.3	112.8	101.9	102.4
April	101.4	87.1	96.1	83.9	94.7	98.5	92.3	105.6	102.7	98.6	106.7	95.5	96.1
May	96.5	81.9	91.7	79.4	89.7	93.5	91.5	101.1	98.7	94.4	101.2	89.9	90.7
June	92.7	79.6	88.9	77.3	87.1	91.3	84.0	95.3	96.2	90.3	98.1	85.7	87.8
July	90.0	82.3	88.5	77.6	88.8	88.1	81.5	98.6	93.7	88.5	93.9	80.8	86.9
August	89.7	83.4	88.7	80.6	88.7	88.6	86.0	98.6	94.0	89.0	93.0	81.8	87.5
September	92.0	87.3	90.9	84.2	90.3	91.9	87.3	101.7	96.8	92.2	98.7	83.4	90.4
October	96.3	91.3	94.9	87.8	94.9	93.9	92.8	104.0	100.1	96.9	103.3	88.8	93.6
November	99.8	95.1	97.5	90.1	95.8	95.7	96.9	107.3	103.2	100.7	108.1	93.6	97.0
December	98.3	89.3	95.8	88.8	93.4	94.1	94.9	107.7	102.6	96.6	105.7	93.1	95.2
1991 Average	106.2	96.0	103.0	91.8	99.9	101.9	99.7	112.2	108.4	104.0	111.3	99.7	101.1
1992													
January	96.4	87.7	93.2	88.1	90.7	92.4	94.4	107.3	101.6	95.6	103.4	91.4	94.3
February	95.5	88.2	92.5	86.5	91.7	92.8	92.7	107.3	100.9	95.1	103.8	91.5	93.7
March	94.0	86.4	91.5	83.3	90.9	92.2	92.4	105.3	100.3	93.5	102.1	90.1	93.7
April	93.3	85.5	91.4	81.8	90.4	91.7	91.5	104.7	99.0	92.9	101.1	89.4	92.6
May	93.1	85.5	91.0	81.7	90.9	91.5	90.2	102.3	97.2	89.2	101.1	88.6	91.7
June	91.8	87.1	91.3	82.9	89.7	90.7	91.4	102.7	97.6	90.4	101.7	86.5	89.6
July	93.1	87.7	90.4	82.3	89.9	89.1	90.6	102.0	95.7	90.3	100.7	83.0	90.2
August	90.5	87.8	89.6	81.8	89.4	89.4	89.5	101.9	95.2	88.1	99.0	81.7	88.4
September	91.8	86.8	90.7	83.0	89.8	91.6	90.3	101.2	95.7	90.8	99.7	84.4	89.4
October	94.9	89.3	93.5	87.6	92.7	92.0	93.7	104.0	98.8	94.0	102.7	87.5	91.9
November	95.8	88.3	93.8	87.6	92.5	92.6	92.8	105.7	100.4	94.6	104.7	89.6	92.1
December	95.2	85.7	93.5	87.7	91.5	92.9	90.9	105.4	100.4	95.4	104.3	89.3	93.3
1992 Average	94.7	87.1	92.4	85.6	91.2	92.2	92.4	105.7	99.9	93.9	102.8	88.9	92.8
1993													
January	94.9	85.2	94.0	87.1	91.7	93.4	90.8	105.2	100.5	96.5	104.3	89.0	92.4
February	96.2	85.4	94.4	87.0	91.8	93.3	90.8	106.8	101.3	96.7	104.2	89.1	93.5
March	96.7	86.5	94.8	86.6	92.4	93.7	92.4	108.5	101.6	96.2	104.2	89.8	94.2
April	93.6	83.0	91.3	85.0	90.3	91.2	91.6	107.1	99.2	95.1	100.1	89.0	90.3
May	91.7	81.5	90.9	83.8	90.6	91.2	89.4	104.3	96.2	91.6	99.3	86.6	88.6
June	88.6	80.8	88.6	82.5	87.6	89.7	90.9	100.4	95.2	88.0	97.8	84.0	86.0
July	86.5	78.2	83.9	78.0	85.2	85.5	90.2	100.2	92.3	87.9	95.2	78.8	84.7
August	84.0	77.3	83.4	76.1	82.7	85.6	83.5	96.1	91.3	85.7	92.9	77.0	84.0
September	84.3	78.3	83.8	75.2	84.1	86.6	85.0	95.0	92.6	85.9	93.5	80.4	84.9
October	88.5	83.0	86.3	77.2	85.7	86.8	88.6	102.3	94.2	88.7	96.1	83.2	85.2

See footnotes at end of table.

**Table 16. Prices of No. 2 Distillate to Residences
by Selected States (Continued)**
(Cents per Gallon Excluding Taxes)

Year Month	WV	IL	IN	MI	MN	OH	WI	ID	AK	OR	WA	U.S. Average
1978 Average	46.2	46.5	48.5	47.9	47.8	47.4	44.7	43.6	53.2	45.8	48.6	49.0
1979 Average	65.1	68.8	72.7	70.9	72.4	68.6	67.3	62.1	68.2	68.0	69.7	70.4
1980 Average	92.2	95.8	99.6	97.8	99.9	91.9	91.5	91.6	97.8	97.3	100.8	97.4
1981 Average	115.0	114.9	118.5	118.3	118.4	113.2	109.1	110.4	118.0	111.4	116.5	119.4
1982 Average	109.3	110.9	114.3	113.9	115.1	110.2	107.8	110.4	117.4	111.6	117.6	116.0
1983 Average	101.0	100.4	100.7	106.4	103.1	101.3	101.2	101.8	108.8	103.6	109.0	107.8
1984 Average	102.1	100.1	103.1	105.0	104.1	102.1	101.0	98.5	106.9	99.3	102.6	109.1
1985 Average	98.0	97.5	99.1	102.1	101.9	99.7	98.3	97.2	108.3	97.1	101.1	105.3
1986 Average	74.6	NA	74.8	81.0	79.2	77.7	75.6	73.8	94.9	70.4	77.5	83.6
1987 Average	76.4	79.8	75.4	77.5	74.6	74.7	75.1	68.8	86.5	72.5	79.5	80.3
1988 Average	74.2	77.6	75.4	77.5	73.5	74.7	73.9	68.8	86.9	70.9	78.5	81.3
1989 Average	83.0	80.9	83.2	85.3	82.4	81.6	81.1	77.8	96.4	80.2	87.4	90.0
1990 Average	99.1	96.1	99.3	100.9	101.4	98.1	94.2	97.4	110.1	97.0	102.9	106.3
1991												
January	110.5	102.5	105.9	109.8	105.4	105.5	102.4	110.8	129.3	108.4	118.4	117.1
February	101.5	92.9	95.4	98.5	93.5	94.6	92.4	97.3	122.8	102.9	112.0	110.5
March	90.8	86.5	87.9	91.5	87.2	85.7	87.8	84.0	109.5	88.8	95.3	102.6
April	87.6	88.3	86.0	90.7	87.8	83.2	84.0	83.4	101.9	86.4	93.5	96.9
May	85.8	88.5	86.3	88.1	88.1	83.1	82.9	84.4	101.3	86.5	94.9	92.5
June	83.6	86.8	80.3	87.4	87.1	80.7	80.9	83.4	98.2	85.6	91.7	89.3
July	81.7	82.2	78.8	83.3	84.4	79.6	78.0	80.0	98.6	83.6	85.5	86.6
August	82.4	86.5	85.5	84.4	86.3	81.1	78.8	84.6	96.8	87.3	92.6	87.0
September	84.8	87.3	85.5	86.8	84.0	84.8	82.7	87.4	92.4	90.8	93.5	89.7
October	89.7	88.4	86.7	89.5	86.8	88.7	85.7	87.6	91.3	89.1	95.2	94.0
November	91.8	92.4	87.8	92.8	89.2	91.8	89.9	93.3	96.0	90.6	99.5	98.0
December	89.0	89.9	83.3	89.9	84.4	86.0	85.4	94.7	95.2	87.0	96.2	95.9
1991 Average	93.4	92.7	91.8	94.2	91.1	91.0	89.5	95.1	105.0	93.3	101.6	101.9
1992												
January	85.5	85.2	77.8	86.6	79.4	82.0	80.1	86.1	92.7	85.3	92.0	94.2
February	86.9	85.6	78.7	86.5	79.6	83.0	79.8	79.2	91.1	83.5	90.9	94.2
March	86.6	88.1	79.5	86.6	79.7	82.5	79.2	82.2	93.0	82.6	91.8	93.2
April	85.6	88.4	80.2	86.7	81.8	82.9	80.4	84.2	92.1	85.5	92.0	92.5
May	84.2	89.0	81.2	86.4	83.9	83.5	81.5	86.1	93.8	88.9	94.3	92.3
June	86.5	90.8	79.6	86.1	82.9	85.3	81.9	84.6	93.9	89.2	90.6	92.0
July	82.3	87.9	82.4	85.0	84.5	81.7	81.1	86.1	93.0	87.3	88.0	90.4
August	81.4	86.4	83.1	85.7	84.1	82.3	80.6	79.4	96.8	84.0	84.0	88.6
September	85.4	88.9	84.8	88.2	85.0	84.7	83.6	86.0	93.4	87.8	90.3	90.1
October	88.3	90.8	85.8	90.0	87.1	86.4	84.1	89.6	96.8	91.7	94.5	93.7
November	88.0	90.4	82.7	88.2	86.0	84.6	83.7	91.7	97.7	92.8	98.7	94.8
December	89.0	88.2	81.8	87.9	83.1	84.5	84.3	86.8	95.8	91.5	99.7	94.5
1992 Average	86.4	87.6	81.1	87.1	82.3	83.6	81.8	85.7	94.0	87.8	94.3	93.4
1993												
January	88.3	87.2	81.8	88.3	82.9	84.2	82.1	84.8	95.1	91.7	100.6	94.3
February	88.6	88.2	82.3	87.6	83.0	85.5	83.3	84.2	95.1	89.9	101.4	94.6
March	89.9	90.0	83.1	90.1	83.9	86.6	84.0	87.8	94.2	90.7	99.7	95.4
April	86.9	NA	84.9	90.8	83.3	86.9	84.7	84.1	94.7	92.1	101.5	92.5
May	84.8	84.8	83.6	89.8	84.1	86.0	84.9	82.9	96.6	91.3	100.3	91.0
June	86.7	81.2	82.1	87.4	83.4	85.7	84.2	82.8	97.1	90.2	95.1	88.9
July	81.2	79.4	79.0	83.4	82.0	79.3	84.1	80.0	95.3	86.1	91.3	85.6
August	79.1	77.2	76.6	82.1	80.0	78.6	78.7	77.0	95.5	83.5	89.3	84.1
September	79.2	80.9	80.3	85.5	83.1	81.4	82.8	85.3	94.8	92.0	97.1	85.4
October	83.6	87.6	83.1	90.0	86.8	85.5	82.0	94.8	96.5	100.2	105.5	88.6

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-9A, "No. 2 Distillate Price Monitoring Report," source for backcast estimates prior to January 1983.

Table 17. U.S. Refiner Residual Fuel Oil Prices
(Cents per Gallon Excluding Taxes)

Year Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
1978 Average	31.4	29.3	27.5	24.5	29.8	26.3
1979 Average	46.8	45.0	38.9	36.6	43.6	39.9
1980 Average	67.5	60.8	52.3	47.9	60.7	52.8
1981 Average	82.9	74.8	67.3	62.2	75.6	66.3
1982 Average	74.7	69.5	61.1	57.2	67.6	61.2
1983 Average	69.5	64.3	61.1	59.1	65.1	60.9
1984 Average	72.0	68.5	65.9	63.9	68.7	65.4
1985 Average	64.4	61.0	58.2	56.0	61.0	57.7
1986 Average	37.2	32.8	31.7	28.9	34.3	30.5
1987 Average	44.7	41.2	39.6	36.2	42.3	38.5
1988 Average	37.2	33.3	30.0	27.1	33.4	30.0
1989 Average	43.6	40.7	34.4	33.1	38.5	36.0
1990 Average	50.5	47.2	40.0	37.2	44.4	41.3
1991						
January	59.8	52.1	49.7	49.2	53.4	50.2
February	44.4	36.5	37.1	32.0	39.8	33.4
March	38.3	36.0	28.2	24.2	32.3	28.2
April	37.8	33.6	27.0	25.8	30.2	28.7
May	36.6	36.6	27.6	27.7	31.0	30.3
June	35.3	32.1	26.9	28.6	29.5	29.7
July	36.4	32.6	28.2	27.4	31.2	28.8
August	36.8	33.4	27.7	25.9	31.1	27.9
September	36.8	33.7	27.3	25.4	30.6	27.9
October	38.5	34.1	29.7	27.6	32.3	29.5
November	40.8	36.6	31.8	27.9	35.1	30.7
December	40.0	34.8	28.8	26.1	33.1	28.9
1991 Average	40.2	36.4	30.6	29.2	34.0	31.4
1992						
January	35.7	30.3	24.7	21.1	28.8	24.4
February	36.2	32.7	23.6	20.9	27.7	25.6
March	34.8	30.8	24.4	21.1	27.7	24.6
April	35.3	31.6	27.5	25.2	29.6	27.4
May	37.2	33.1	32.0	29.1	33.4	30.2
June	38.8	35.9	33.1	30.7	34.5	32.5
July	41.4	38.0	34.9	33.3	36.7	34.7
August	42.1	37.7	37.0	33.2	38.8	34.7
September	42.0	37.9	35.3	32.9	37.5	34.8
October	44.7	41.4	37.3	35.5	39.2	37.4
November	42.8	39.2	37.6	33.8	39.4	35.9
December	40.2	35.9	33.4	28.1	36.2	30.6
1992 Average	38.9	35.4	31.3	28.4	33.8	30.7
1993						
January	40.8	36.6	32.4	27.2	35.3	31.2
February	40.8	35.5	30.8	27.1	34.4	31.1
March	42.6	39.0	31.6	27.5	35.6	32.9
April	43.6	38.4	32.2	29.2	36.3	33.6
May	41.9	34.7	34.1	27.8	36.8	31.0
June	40.6	33.7	31.5	26.4	34.7	30.0
July	41.9	32.7	28.5	24.6	33.2	27.4
August	37.2	31.5	28.7	23.7	31.9	26.9
September	37.7	31.9	28.6	24.0	31.5	26.8
October	38.7	31.8	29.1	25.7	31.7	28.4

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

Figure 11. U.S. Refiner Residual Fuel Oil Prices

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Table 18. U.S. Refiner Residual Fuel Oil Volumes
(Million Gallons per Day)

Year Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Total	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
1983 Average	13.4	7.2	14.9	12.9	28.3	20.2
1984 Average	15.1	6.7	17.8	14.6	32.9	21.3
1985 Average	11.4	7.0	13.8	12.9	25.2	19.9
1986 Average	15.3	7.7	16.5	11.1	31.7	18.7
7 Average	15.1	7.8	13.9	9.1	29.0	16.9
1988 Average	14.2	8.7	15.9	10.3	30.2	18.9
1989 Average	13.4	7.9	17.0	13.1	30.4	21.0
1990 Average	11.1	7.4	14.9	10.5	25.9	17.9
1991						
January	8.7	6.8	14.7	13.0	23.4	19.8
February	8.5	6.1	14.2	13.6	22.7	19.8
March	10.3	5.2	15.2	10.2	25.4	15.4
April	6.4	7.3	15.7	12.2	22.1	19.5
May	8.6	5.9	14.5	14.4	23.2	20.4
June	7.8	6.0	18.2	12.9	25.9	18.9
July	10.2	3.6	18.0	9.5	28.3	13.0
August	9.3	4.8	15.5	13.6	24.8	18.4
September	8.2	5.7	15.0	12.8	23.1	18.5
October	5.9	4.2	13.9	10.2	19.8	14.4
November	7.9	4.9	13.8	10.8	21.7	15.7
December	10.7	6.5	16.9	13.4	27.6	19.9
1991 Average	8.6	5.6	15.5	12.2	24.0	17.8
1992						
January	10.5	6.0	17.9	10.8	28.4	16.8
February	9.1	5.5	18.8	8.2	27.9	13.6
March	8.4	5.9	17.9	10.7	26.2	16.7
April	6.0	6.3	16.8	11.7	22.8	17.9
May	5.3	4.9	14.1	12.1	19.5	17.1
June	5.2	5.8	16.3	10.5	21.5	16.2
July	5.9	4.5	15.1	11.2	21.0	15.6
August	6.5	4.0	12.4	8.6	18.9	12.6
September	6.6	5.4	13.5	8.9	20.0	14.3
October	5.1	4.2	14.6	8.9	19.7	13.1
November	7.1	5.7	13.6	8.6	20.7	14.3
December	9.0	4.5	13.3	9.5	22.2	14.0
1992 Average	7.1	5.2	14.5	10.8	21.6	16.0
1993						
January	7.0	4.3	13.5	5.8	20.6	10.1
February	7.7	6.8	13.9	7.4	21.6	14.2
March	7.0	6.2	12.4	7.0	19.4	13.2
April	7.2	5.7	13.0	6.4	20.2	12.1
May	5.3	6.4	9.9	7.3	15.2	13.8
June	6.1	5.6	11.0	5.6	17.1	11.2
July	5.3	3.7	9.8	6.9	15.1	10.6
August	6.1	4.5	9.9	6.4	16.0	10.9
September	5.2	4.5	11.2	8.0	16.4	12.5
October	3.8	6.4	10.0	7.8	13.8	14.2

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 12. U.S. Refiner Residual Fuel Oil Total Volumes

Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Crude Oil Prices

Table 19. Crude Oil Refiner Acquisition Costs
(Dollars per Barrel)

Year Month	Major Refiners			Other Refiners			Average		
	Domestic	Imported	Average	Domestic	Imported	Average	Domestic	Imported	Average
1978 Average	NA	NA	NA	NA	NA	NA	10.61	14.57	12.46
1979 Average	NA	NA	NA	NA	NA	NA	14.27	21.67	17.72
1980 Average	NA	NA	NA	NA	NA	NA	24.23	33.89	28.07
1981 Average	34.25	37.41	35.49	34.54	36.39	34.92	34.33	37.05	35.24
1982 Average	31.07	33.92	31.89	31.72	32.07	31.81	31.22	33.55	31.87
1983 Average	28.67	29.53	28.92	29.42	28.33	29.17	28.87	29.30	28.99
1984 Average	28.42	29.04	28.61	28.90	28.08	28.71	28.53	28.88	28.63
1985 Average	26.66	27.11	26.79	26.66	26.51	26.63	26.66	26.99	26.75
1986 Average	14.74	13.99	14.49	15.07	14.06	14.75	14.82	14.00	14.55
1987 Average	17.65	18.14	17.84	18.10	18.09	18.10	17.76	18.13	17.90
1988 Average	14.59	14.57	14.58	15.12	14.55	14.91	14.74	14.56	14.67
1989 Average	17.75	18.09	17.90	18.20	18.07	18.15	17.87	18.08	17.97
1990 Average	22.56	22.02	22.30	22.66	20.87	21.98	22.59	21.76	22.22
1991									
January	22.87	22.56	22.73	24.23	21.34	23.21	23.25	22.30	22.85
February	18.96	18.36	18.70	20.88	18.08	19.92	19.55	18.30	19.03
March	17.77	17.68	17.73	18.91	17.19	18.35	18.12	17.58	17.89
April	18.49	18.35	18.42	18.74	18.18	18.55	18.56	18.32	18.46
May	18.77	18.45	18.62	19.44	18.04	18.90	18.98	18.36	18.70
June	17.83	17.85	17.84	18.90	17.56	18.37	18.16	17.78	17.98
July	18.77	18.24	18.52	19.24	17.81	18.69	18.91	18.14	18.57
August	18.74	18.80	18.77	19.88	18.43	19.29	19.10	18.71	18.92
September	18.99	19.18	19.09	20.01	18.41	19.38	19.31	19.00	19.17
October	20.12	19.92	20.03	20.98	19.70	20.49	20.39	19.86	20.16
November	19.59	19.57	19.58	20.90	18.64	20.07	20.01	19.35	19.72
December	17.50	17.25	17.39	18.65	16.89	18.01	17.84	17.17	17.56
1991 Average	19.03	18.82	18.93	20.02	18.33	19.39	19.33	18.70	19.06
1992									
January	16.58	16.13	16.37	17.33	15.97	16.83	16.80	16.10	16.50
February	16.30	15.96	16.14	17.10	16.17	16.77	16.54	16.00	16.30
March	16.56	16.46	16.51	17.06	16.05	16.69	16.71	16.36	16.56
April	17.81	17.58	17.70	18.05	16.64	17.55	17.88	17.37	17.66
May	18.70	19.00	18.84	19.21	18.04	18.79	18.86	18.79	18.83
June	20.00	19.99	20.00	20.40	19.14	19.97	20.13	19.83	19.99
July	20.22	19.82	20.02	20.88	19.44	20.32	20.42	19.74	20.10
August	19.70	19.39	19.54	20.14	18.79	19.60	19.84	19.25	19.56
September	19.72	19.37	19.55	20.21	18.88	19.71	19.88	19.26	19.59
October	19.43	19.44	19.44	20.09	18.99	19.64	19.64	19.34	19.49
November	18.76	18.42	18.59	19.27	18.32	18.86	18.90	18.40	18.66
December	17.79	17.00	17.41	17.99	16.74	17.48	17.85	16.94	17.43
1992 Average	18.46	18.30	18.38	19.01	17.84	18.57	18.63	18.20	18.43
1993									
January	17.33	16.86	17.09	17.58	16.46	17.12	17.40	16.78	17.10
February	17.80	17.61	17.71	17.94	16.70	17.45	17.84	17.41	17.64
March	18.14	17.90	18.02	18.69	17.56	18.25	18.31	17.82	18.08
April	18.34	18.52	18.44	18.80	17.70	18.37	18.49	18.35	18.42
May	18.33	17.94	18.12	18.66	17.71	18.26	18.43	17.89	18.16
June	17.61	16.80	17.19	17.90	16.81	17.45	17.70	16.80	17.26
July	16.24	15.75	16.00	16.68	16.04	16.40	16.36	15.82	16.10
August	15.91	15.48	15.70	16.33	16.08	16.22	16.03	15.62	15.84
September	15.75	15.30	15.53	16.01	15.39	15.76	15.82	15.32	15.59
October	16.04	15.43	15.75	16.22	15.63	15.97	16.09	15.48	15.81

NA = Not available.

Note: Values shown for current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Geographic coverage is the 50 United States, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands.

Sources: January 1978 through June 1978: Form FEA-P110-M-1, "Refiners' Monthly Cost Allocation Report"; July 1978 through December 1980: Form ERA-49, "Domestic Crude Oil Entitlements Program Refiners' Monthly Report"; January 1981 to present: Form EIA-14, "Refiners' Monthly Cost Report."

Table 20. Domestic Crude Oil First Purchase Prices
(Dollars per Barrel)

Year Month	U.S. Average		PAD District I				PAD District II						
	Total U.S.	Less Alaska North Slope	PAD I Average	New York	Pennsylvania	West Virginia	PAD II Average	Illinois	Indiana	Kansas	Kentucky	Michigan	Nebraska
1978 Average	9.00	9.56	12.25	W	14.72	14.48	11.91	13.81	13.70	13.20	13.73	11.86	11.40
1979 Average	12.64	13.01	14.30	W	24.13	23.35	18.33	23.49	23.28	21.57	22.55	14.47	18.13
1980 Average	21.59	22.65	22.66	W	37.46	36.92	30.12	35.78	35.91	34.20	34.98	23.54	30.60
1981 Average	31.77	33.71	35.22	W	36.03	35.63	35.63	36.03	36.07	35.80	35.90	35.74	35.32
1982 Average	28.52	30.43	31.77	30.91	30.77	29.98	31.65	31.69	31.68	30.79	31.19	31.80	30.98
1983 Average	26.19	28.00	28.32	28.19	28.28	27.27	29.17	29.12	29.06	28.45	28.60	28.93	28.58
1984 Average	25.88	27.59	27.76	27.70	27.71	26.90	28.62	28.76	28.72	27.99	28.24	28.54	27.83
1985 Average	24.09	25.74	25.88	25.19	25.05	24.35	25.94	26.90	26.82	25.33	26.20	26.18	25.42
1986 Average	12.51	14.13	14.76	16.03	15.77	14.68	14.30	14.70	14.55	14.02	14.20	14.61	13.70
1987 Average	15.40	16.83	16.52	17.40	17.43	16.56	17.42	17.53	17.49	17.37	17.19	17.63	17.08
1988 Average	12.58	13.97	14.21	W	15.26	14.35	14.65	14.79	14.78	14.55	14.58	14.92	14.08
1989 Average	15.86	17.13	17.16	W	18.15	17.18	18.04	18.36	18.37	18.18	18.36	18.06	17.36
1990 Average	20.03	21.57	22.06	23.32	23.00	22.16	22.88	23.36	23.46	23.21	23.20	22.92	21.94
1991													
January	19.60	21.44	22.40	23.67	22.46	W	22.63	23.37	23.85	22.99	22.95	22.77	21.77
February	16.28	17.62	18.76	20.00	19.60	W	18.90	19.29	19.29	19.27	18.89	19.03	17.96
March	15.13	16.72	16.92	17.53	17.00	W	18.07	18.59	18.51	18.62	18.24	18.15	17.29
April	16.16	17.65	18.00	18.79	18.42	W	19.05	19.65	19.65	19.54	19.62	19.34	18.30
May	16.44	18.00	18.58	19.59	18.98	W	19.36	20.00	19.99	19.71	19.62	19.65	18.48
June	15.58	17.06	17.51	18.36	18.29	W	18.27	18.98	18.99	18.56	18.58	18.65	17.52
July	16.36	18.01	18.41	19.20	19.11	W	19.56	20.22	20.23	19.70	19.84	19.90	18.83
August	16.60	18.16	19.02	19.23	19.72	W	19.77	20.43	20.44	19.91	20.09	20.10	18.99
September	16.71	18.35	19.29	20.06	19.92	W	19.99	20.62	20.68	20.09	20.25	20.29	19.25
October	17.72	19.54	20.62	21.10	21.43	W	21.33	21.96	21.92	21.45	21.65	21.67	20.63
November	17.12	18.96	20.10	20.44	20.52	W	20.48	21.04	21.05	20.53	20.66	20.86	19.72
December	14.68	16.34	17.54	17.68	17.76	W	17.63	18.18	18.17	17.73	17.87	17.98	16.82
1991 Average	16.54	18.16	19.01	19.67	19.48	W	19.58	20.19	20.20	19.84	19.84	19.88	18.78
1992													
January	13.99	15.55	16.51	16.88	17.10	16.22	16.95	17.65	17.62	16.94	17.17	17.28	16.18
February	14.04	15.61	16.73	W	17.32	16.27	17.06	17.66	17.74	16.99	17.32	17.48	16.19
March	14.12	15.55	16.54	W	17.13	16.09	16.99	17.62	17.68	16.91	17.30	17.36	16.08
April	15.36	16.83	17.95	W	18.16	17.43	18.31	18.93	19.02	18.16	18.52	18.60	17.19
May	16.38	17.79	18.85	W	19.24	18.28	19.08	19.75	19.77	18.95	19.39	19.40	17.92
June	17.96	19.44	20.53	W	20.67	19.87	20.48	21.07	21.11	20.28	20.78	20.79	19.22
July	17.80	18.98	19.49	W	19.86	18.77	19.81	20.43	20.54	19.60	19.97	20.20	18.56
August	17.07	18.31	19.33	19.03	19.35	18.66	19.39	20.01	19.93	19.25	19.23	19.76	18.18
September	17.20	18.64	19.93	20.09	19.86	19.17	19.95	20.56	20.47	19.83	19.85	20.38	18.79
October	17.16	18.52	19.85	20.51	20.09	19.68	19.72	20.32	20.20	19.61	19.56	20.13	18.63
November	16.00	17.22	18.74	19.60	20.09	19.22	18.46	18.98	18.91	18.28	18.40	18.79	17.26
December	14.94	16.26	17.68	18.94	18.73	18.10	17.56	18.09	18.22	17.41	17.40	17.81	16.31
1992 Average	15.99	17.38	18.52	19.05	19.01	18.09	18.63	19.26	19.27	18.50	18.75	18.99	17.51
1993													
January	14.64	15.90	17.16	W	18.20	17.44	17.15	17.81	17.77	17.11	17.21	17.52	15.93
February	15.47	16.71	17.87	17.78	18.21	17.45	18.09	18.75	18.81	18.05	18.08	18.57	16.88
March	15.88	17.04	18.70	18.62	18.97	18.02	18.30	18.92	18.93	18.16	18.22	18.75	16.95
April	16.08	17.08	19.19	18.71	19.25	18.20	18.20	18.86	18.83	18.06	18.12	18.70	16.91
May	15.97	16.89	18.68	18.72	18.85	17.86	17.78	18.47	18.38	17.50	17.84	18.34	16.28
June	15.00	15.96	18.11	17.85	17.98	17.57	16.74	17.47	17.42	16.35	16.83	17.29	15.40
July	13.78	14.62	16.98	W	17.07	16.41	15.52	16.25	16.25	15.10	15.78	16.00	14.10
August	13.69	14.67	16.98	16.47	16.88	16.22	15.63	16.46	16.50	15.22	16.03	16.18	14.18
September	13.39	14.21	16.55	15.96	16.85	15.91	15.12	15.96	16.03	14.70	15.47	15.74	13.58
October	13.80	14.85	17.41	17.26	17.58	16.88	15.80	16.70	16.47	15.31	16.12	16.31	14.32

See footnotes at end of table.

Table 20. Domestic Crude Oil First Purchase Prices (Continued)
(Dollars per Barrel)

Year Month	PAD District II (Cont.)				PAD District III							
	North Dakota	Ohio	Oklahoma	South Dakota	PAD III Average	Alabama	Arkansas	Louisiana	Mississippi ¹	New Mexico	Texas	Federal Offshore Gulf
1978 Average	9.75	13.80	11.30	12.16	9.37	10.52	10.63	9.03	7.91	10.17	9.29	9.86
1979 Average	13.64	22.79	17.53	15.35	12.33	11.97	14.72	11.42	10.74	14.33	12.65	11.23
1980 Average	26.42	36.64	29.25	28.81	21.24	20.57	24.17	19.87	20.85	24.06	21.84	18.87
1981 Average	35.63	36.11	35.43	35.55	35.00	35.80	33.69	35.45	30.47	35.04	35.06	35.07
1982 Average	31.89	30.90	32.04	31.63	31.92	32.32	30.12	32.44	29.04	31.82	31.77	32.61
1983 Average	29.27	28.14	29.67	29.10	29.45	30.07	28.28	30.02	26.76	29.26	29.35	29.77
1984 Average	28.39	27.71	29.11	28.36	29.03	29.39	28.15	29.67	27.26	28.69	28.87	29.36
1985 Average	25.32	25.11	26.28	25.79	26.91	25.77	25.79	27.22	25.51	26.84	26.80	27.33
1986 Average	13.54	15.51	14.47	13.81	14.89	13.91	14.54	15.32	13.63	14.93	14.73	15.27
1987 Average	16.76	17.42	17.62	16.96	17.57	16.80	17.23	17.97	16.78	17.57	17.55	17.54
1988 Average	13.85	15.19	14.86	14.04	14.75	13.86	14.41	15.22	13.98	14.78	14.71	14.71
1989 Average	17.12	18.06	18.23	17.33	17.86	17.27	17.34	18.39	17.00	17.86	17.81	17.83
1990 Average	21.94	23.09	22.95	22.32	22.42	22.09	21.56	23.04	21.06	22.44	22.37	22.40
1991												
January	22.08	23.56	22.43	22.12	22.39	22.13	21.16	23.21	20.82	22.58	22.20	22.60
February	18.12	20.05	18.85	18.24	18.51	18.05	17.06	19.37	16.97	18.78	18.29	18.79
March	17.36	17.04	18.01	17.50	17.67	17.58	16.35	18.70	15.90	17.78	17.43	17.95
April	18.14	18.37	18.98	18.53	18.66	18.43	17.39	19.55	16.99	18.63	18.45	18.93
May	18.50	18.97	19.36	18.99	19.00	18.67	17.71	19.86	17.50	19.08	18.78	19.32
June	17.56	18.31	18.20	18.13	17.97	17.80	16.77	18.73	16.41	18.12	17.76	18.27
July	18.72	19.14	19.65	19.16	19.14	19.03	17.91	19.98	17.75	19.32	18.97	19.26
August	18.96	19.69	19.83	19.37	19.30	19.28	18.18	20.15	17.83	19.36	19.15	19.39
September	19.06	19.94	20.12	19.76	19.56	19.45	18.42	20.63	17.99	19.69	19.41	19.56
October	20.38	21.44	21.44	20.87	20.92	20.81	19.94	22.03	19.36	20.98	20.76	20.93
November	19.74	20.64	20.56	20.28	20.21	20.21	19.16	21.23	18.51	20.33	20.03	20.26
December	16.84	17.74	17.73	17.35	17.37	17.23	16.52	18.34	15.63	17.54	17.17	17.50
1991 Average	18.80	19.59	19.59	19.21	19.23	19.05	18.06	20.14	17.85	19.35	19.04	19.41
1992												
January	16.26	17.12	17.01	16.36	16.64	16.43	15.69	17.58	14.93	16.77	16.51	16.64
February	16.43	17.25	17.16	16.70	16.76	16.55	15.92	17.60	15.10	16.86	16.71	16.62
March	16.32	17.05	17.11	16.48	16.68	16.68	15.75	17.49	15.08	16.92	16.61	16.57
April	17.72	18.14	18.48	17.93	18.08	17.94	17.00	18.86	16.46	18.31	18.06	17.87
May	18.39	19.25	19.24	18.71	18.86	18.72	17.77	19.69	17.26	19.13	18.76	18.79
June	19.86	20.67	20.65	20.12	20.29	20.15	19.15	21.09	18.54	20.53	20.21	20.23
July	19.21	19.71	20.00	19.45	19.71	19.56	18.48	20.50	17.88	19.93	19.61	19.71
August	18.85	19.41	19.53	19.16	19.14	18.78	18.02	19.72	17.35	19.25	19.07	19.27
September	19.40	19.93	20.08	19.47	19.66	19.19	18.65	20.00	17.97	19.77	19.59	19.88
October	19.21	20.33	19.77	19.23	19.47	19.26	18.39	19.70	17.83	19.61	19.44	19.59
November	17.92	20.03	18.53	17.84	18.10	18.26	17.13	18.35	16.53	18.32	18.07	18.16
December	16.93	18.79	17.65	17.11	17.23	17.41	16.19	17.57	15.58	17.39	17.19	17.27
1992 Average	18.02	18.96	18.74	18.19	18.37	18.22	17.33	19.00	16.70	18.55	18.32	18.35
1993												
January	16.56	18.22	17.16	16.78	16.88	17.16	15.78	17.16	15.30	17.09	16.84	16.95
February	17.39	18.32	18.20	17.74	17.83	17.78	16.75	18.07	16.28	18.07	17.81	17.85
March	17.68	18.88	18.39	17.82	18.05	17.88	16.96	18.25	16.47	18.33	18.05	18.06
April	17.56	19.08	18.27	17.60	17.96	17.77	16.87	18.16	16.35	18.13	17.96	17.99
May	16.95	18.82	17.97	17.02	17.61	17.38	16.50	17.74	15.85	17.81	17.59	17.73
June	15.82	17.98	17.00	15.72	16.68	16.83	15.46	16.78	14.98	16.97	16.70	16.67
July	14.59	17.03	15.78	14.43	15.47	15.10	14.21	15.51	13.81	15.58	15.51	15.53
August	14.63	16.68	15.90	14.50	15.58	15.49	14.71	15.68	13.96	15.71	15.58	15.66
September	14.06	16.58	15.39	13.92	15.02	14.81	13.96	15.15	13.54	15.29	15.03	15.04
October	14.88	17.38	16.04	14.76	15.68	15.85	14.50	15.86	14.49	15.97	15.72	15.56

See footnotes at end of table.

Table 20. Domestic Crude Oil First Purchase Prices (Continued)
(Dollars per Barrel)

Year Month	PAD District IV					PAD District V				
	PAD IV Average	Colorado	Montana	Utah	Wyoming	PAD V Average	Alaska North Slope	Alaska Other	California	Federal Offshore California
1978 Average	9.50	10.84	9.04	9.98	9.16	6.60	5.21	5.45	8.58	6.10
1979 Average	11.98	13.28	12.03	11.41	11.73	11.17	10.57	8.22	12.78	8.06
1980 Average	21.29	22.91	20.53	19.79	21.34	19.09	16.87	10.25	23.87	16.28
1981 Average	33.38	35.69	34.69	34.14	32.30	24.79	23.23	30.15	26.80	24.56
1982 Average	30.14	31.56	31.25	30.50	29.37	21.84	19.92	27.74	24.58	23.37
1983 Average	27.81	28.92	28.80	28.12	27.19	19.66	17.69	23.59	22.61	20.54
1984 Average	27.18	28.09	28.07	27.21	26.73	19.52	17.91	24.37	22.09	20.41
1985 Average	24.78	25.64	25.29	23.98	24.67	19.11	16.98	22.46	22.14	20.08
1986 Average	13.24	13.98	13.58	13.33	12.94	8.53	6.45	13.13	11.90	9.48
1987 Average	16.77	17.71	16.57	17.22	16.45	11.89	10.83	15.48	13.92	11.82
1988 Average	13.85	14.83	13.84	14.24	13.47	9.28	8.43	12.92	10.97	9.41
1989 Average	17.37	18.86	17.03	18.63	16.73	12.71	12.00	16.17	14.06	12.64
1990 Average	21.68	23.16	21.61	22.61	21.04	16.15	15.23	21.16	17.81	16.21
1991										
January	21.35	23.15	21.37	22.75	20.56	15.24	14.11	19.18	17.48	15.08
February	17.73	19.28	17.45	19.22	17.02	12.72	12.28	15.88	13.62	11.63
March	16.92	18.58	16.70	18.44	16.15	11.10	10.44	14.58	12.34	10.95
April	17.84	19.46	17.59	19.33	16.70	12.11	11.48	15.27	13.30	11.32
May	18.02	19.77	18.05	19.88	17.06	12.32	11.53	15.66	13.72	12.10
June	17.08	18.78	17.06	19.03	16.11	11.82	10.99	14.84	13.32	11.59
July	18.16	20.01	18.28	19.97	17.21	11.98	11.29	14.65	13.34	10.92
August	18.31	20.17	18.21	20.18	17.41	12.28	11.64	15.03	13.52	10.94
September	18.60	20.27	18.44	20.27	17.80	12.31	11.71	15.25	13.52	10.80
October	19.83	21.63	19.78	21.69	18.94	12.81	12.32	16.02	13.85	11.15
November	18.96	20.81	18.97	20.96	18.00	12.35	11.46	15.93	14.14	11.18
December	16.04	18.01	16.12	18.14	15.03	10.46	9.45	12.95	12.48	9.59
1991 Average	18.21	19.95	18.17	19.99	17.33	12.30	11.57	15.36	13.72	11.33
1992										
January	15.47	17.33	15.43	17.41	14.57	9.87	9.29	11.56	11.18	8.52
February	15.67	17.46	15.51	17.63	14.78	9.89	9.40	12.52	11.03	8.09
March	15.58	17.46	15.44	17.63	14.66	10.19	9.84	13.20	10.97	8.27
April	16.95	18.80	16.76	19.22	15.99	11.16	10.82	14.75	11.91	9.07
May	17.69	19.49	17.49	19.74	16.77	12.58	12.03	16.21	13.70	10.90
June	19.14	20.87	18.78	21.38	18.23	14.35	13.40	18.53	16.19	13.63
July	18.53	20.19	18.26	20.74	17.66	14.87	14.06	18.47	16.52	13.44
August	18.10	19.71	17.84	20.19	17.28	13.90	13.23	17.16	15.19	12.82
September	18.61	20.31	18.36	20.84	17.73	13.48	12.90	16.61	14.70	12.03
October	18.39	20.11	18.19	20.62	17.51	13.65	13.03	17.12	14.93	11.87
November	17.06	18.82	16.86	19.22	16.21	12.81	12.29	16.25	13.89	11.01
December	16.18	17.83	16.18	18.32	15.28	11.42	10.93	14.68	12.52	9.82
1992 Average	17.27	19.04	17.08	19.39	16.38	12.32	11.73	15.56	13.55	10.78
1993										
January	15.83	17.43	15.78	18.01	14.94	11.22	10.83	14.16	12.11	9.16
February	16.77	18.36	16.64	19.01	15.90	11.81	11.58	14.57	12.44	9.52
March	17.19	18.51	16.82	19.22	16.46	12.51	12.28	16.06	13.10	10.00
April	17.14	18.48	16.66	19.23	16.39	13.10	12.91	16.84	13.63	10.59
May	16.77	17.93	16.22	18.86	16.10	13.38	12.96	17.40	14.31	11.25
June	15.85	17.29	15.17	18.02	15.10	12.33	11.79	15.60	13.51	10.21
July	14.56	15.82	13.88	16.74	13.89	11.06	10.81	13.20	11.89	9.14
August	14.72	15.98	14.04	16.90	14.07	10.76	10.47	13.00	11.53	8.58
September	14.22	15.51	13.50	16.25	13.57	10.77	10.55	12.75	11.40	8.46
October	14.92	16.15	14.23	16.67	14.30	10.95	10.55	13.66	11.90	9.12

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased.

Sources: January 1978 through December 1982: Form ERA-182, "Domestic Crude Oil First Purchase Report"; January 1983 to present: Form EIA-182, "Domestic Crude Oil First Purchase Report."

Table 21. FOB^a Costs of Imported Crude Oil, by Selected Country
(Dollars per Barrel)

Year Month	Selected Countries									OPEC	
	Algeria	Indonesia	Iran	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Other Countries	Arab OPEC ^b	Total OPEC ^c
1978 Average	14.12	13.61	12.65	13.24	14.05	12.70	13.82	12.38	13.35	13.28	13.31
1979 Average	20.53	19.03	22.93	20.27	21.69	17.28	21.70	16.90	21.10	19.27	19.88
1980 Average	36.67	32.17	NA	31.06	35.93	28.17	34.36	24.81	34.34	31.57	32.21
1981 Average	39.08	35.62	-	33.01	38.31	32.60	36.06	28.95	36.69	34.79	35.17
1982 Average	34.20	35.11	30.97	28.08	35.13	33.73	33.42	23.74	31.96	33.84	33.48
1983 Average	30.09	29.92	28.39	25.20	29.81	27.53	29.91	21.48	27.96	28.28	28.46
1984 Average	28.34	29.13	27.42	26.39	29.51	27.67	28.87	24.23	27.79	27.79	27.79
1985 Average	26.89	27.12	W	25.33	28.04	22.04	27.64	23.64	26.12	24.34	25.67
1986 Average	13.62	13.19	W	11.84	14.35	11.36	13.84	10.92	13.32	11.59	12.21
1987 Average	16.79	17.40	W	16.36	18.47	15.12	18.28	15.08	17.11	15.80	16.43
1988 Average	W	13.81	-	12.18	15.16	12.16	14.80	12.96	13.45	12.57	13.43
1989 Average	W	17.01	-	15.96	18.31	16.29	17.89	16.09	17.12	16.72	17.06
1990 Average	W	21.29	-	19.26	22.46	20.36	23.43	19.55	19.88	18.84	20.40
1991											
January	W	W	-	19.39	24.68	12.69	W	17.04	21.24	16.04	19.45
February	W	20.82	-	13.62	20.48	14.06	W	14.50	17.12	14.56	16.73
March	W	W	-	13.59	19.44	W	24.50	14.90	16.18	15.24	16.48
April	W	16.85	-	15.34	19.12	15.14	W	15.38	16.90	15.72	16.88
May	W	W	W	15.24	19.35	15.15	W	14.68	16.95	15.71	16.71
June	W	16.77	-	14.68	18.38	14.54	W	13.62	16.33	15.29	16.04
July	W	W	W	15.24	19.44	W	19.45	14.85	17.41	15.86	16.86
August	W	W	W	15.34	20.20	16.35	W	14.64	17.82	16.81	17.23
September ..	W	W	W	15.40	21.10	15.85	20.24	15.53	18.79	16.76	17.57
October	W	18.50	W	16.91	22.55	14.61	W	16.44	19.42	15.76	18.12
November	W	W	-	16.30	21.83	13.33	21.67	14.77	18.97	15.02	17.03
December	W	W	-	13.47	18.99	12.72	W	12.62	16.57	14.32	15.03
1991 Average	W	16.69	15.58	15.37	20.29	14.62	20.81	14.91	17.79	15.59	16.99
1992											
January	W	W	-	12.45	18.58	W	-	12.32	15.44	14.07	14.50
February	W	W	-	12.40	18.28	14.61	W	12.53	16.04	15.35	15.04
March	-	W	-	12.68	18.10	14.87	W	12.45	16.01	15.20	15.28
April	W	16.23	-	14.11	19.59	W	W	14.38	17.10	17.26	17.25
May	W	W	-	16.05	20.47	17.61	W	15.03	18.35	18.13	17.83
June	W	W	-	17.09	21.42	W	20.14	15.33	19.20	17.95	18.44
July	W	W	-	16.88	20.83	17.60	W	15.10	18.74	18.20	18.09
August	W	W	-	16.36	20.33	W	20.00	15.38	18.43	17.99	17.69
September ..	-	W	-	16.88	20.84	16.69	20.20	16.21	18.65	17.11	18.01
October	-	W	-	16.90	20.76	W	W	15.40	18.70	15.89	17.42
November	-	W	-	15.78	20.00	14.82	19.82	13.82	17.57	15.12	15.97
December	W	W	-	14.79	18.42	15.62	W	13.38	16.13	15.91	15.60
1992 Average	W	17.06	-	15.26	19.98	15.85	19.61	14.39	17.65	16.50	16.87
1993											
January	-	W	-	14.14	17.95	15.55	18.29	12.99	15.17	15.60	15.62
February	-	W	-	14.64	19.06	16.17	18.13	13.68	16.51	16.39	16.49
March	W	W	-	15.17	19.33	16.45	18.51	14.22	16.85	16.83	16.92
April	-	W	-	15.04	19.19	16.03	18.36	14.52	16.90	16.24	16.59
May	-	19.14	-	15.15	18.92	14.54	18.29	13.89	16.73	15.03	16.32
June	-	W	-	14.06	18.01	W	17.15	12.47	15.89	14.29	14.94
July	W	16.48	-	13.09	17.46	W	16.07	11.96	14.96	13.56	14.18
August	-	17.74	-	13.20	17.42	W	16.73	12.56	14.68	14.40	14.24
September ..	W	W	-	13.50	16.72	W	16.06	12.72	14.29	13.97	14.37
October	W	W	-	13.72	17.03	12.91	16.31	12.16	14.82	14.06	14.21

^a FOB = Free on Board. See Glossary.

^b Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

^c Includes Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. Prior to January 1, 1993, data included Ecuador, which was then a member of OPEC.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 22. Landed Costs of Imported Crude Oil, by Selected Country
(Dollars per Barrel)

Year Month	Selected Countries										OPEC	
	Algeria	Canada	Indonesia	Iran	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Other Countries	Arab OPEC ^a	Total OPEC ^b
1978 Average	14.93	14.41	14.65	13.89	13.56	14.88	13.94	14.53	12.84	14.58	14.36	14.34
1979 Average	21.88	20.22	20.63	24.21	20.77	22.97	18.95	22.97	17.65	22.86	20.79	21.29
1980 Average	37.92	30.11	33.92	NA	31.77	37.15	29.80	35.68	25.92	36.15	32.97	33.56
1981 Average	40.46	32.32	37.31	-	33.70	39.66	34.20	37.29	29.91	38.54	36.22	36.60
1982 Average	35.35	27.15	36.70	32.46	28.63	36.16	34.99	34.25	24.93	34.03	35.15	34.81
1983 Average	31.26	25.63	31.57	29.81	25.78	30.85	29.27	30.87	22.94	29.68	29.87	29.84
1984 Average	29.06	26.56	30.87	28.70	26.85	30.36	29.20	29.45	25.19	29.21	29.10	29.06
1985 Average	27.51	25.71	28.67	25.79	25.63	28.96	24.72	28.36	24.43	27.33	25.90	26.86
1986 Average	14.82	13.43	14.63	12.38	12.17	15.29	12.84	14.63	11.52	14.25	13.14	13.46
1987 Average	17.87	17.04	18.49	18.28	16.69	19.32	16.81	18.78	15.76	18.30	17.32	17.64
1988 Average	W	13.50	15.15	W	12.58	15.88	13.37	15.82	13.66	14.45	13.60	14.18
1989 Average	19.13	16.81	18.35	-	16.35	19.19	17.34	18.74	16.78	18.08	17.41	17.78
1990 Average	W	20.48	22.50	-	19.64	23.33	21.82	22.65	20.31	20.52	20.64	21.23
1991												
January	W	20.81	W	-	19.98	26.00	18.53	W	18.35	24.08	18.94	20.16
February	W	17.05	22.61	-	14.23	21.66	16.18	W	15.76	19.42	16.29	17.43
March	W	15.20	20.03	-	14.15	20.60	17.08	25.77	16.18	18.59	17.23	17.88
April	W	16.26	18.85	-	15.85	20.31	17.54	20.56	16.35	18.77	17.65	18.17
May	W	16.28	W	W	15.81	20.50	17.34	20.21	15.74	19.53	17.49	17.98
June	W	16.19	18.25	-	15.20	19.79	16.85	19.35	14.61	18.38	17.01	17.32
July	W	17.14	17.76	17.56	15.89	20.73	17.48	20.47	15.92	18.82	17.61	17.96
August	W	17.61	W	W	15.78	21.29	18.04	20.71	15.64	19.30	18.17	18.40
September ..	W	17.84	W	W	15.82	22.13	18.19	21.16	16.44	20.35	18.42	18.70
October	W	18.38	19.85	W	17.34	23.68	17.62	22.07	17.26	20.91	17.97	19.03
November	W	17.53	21.05	-	16.53	22.71	16.46	22.71	15.66	21.04	16.90	17.95
December	W	15.87	W	-	13.96	19.96	15.03	20.29	13.46	18.67	15.49	15.94
1991 Average	W	17.16	20.20	17.54	15.89	21.39	17.22	21.37	15.92	19.73	17.45	18.08
1992												
January	W	14.83	W	-	13.02	19.34	14.81	W	13.20	17.46	15.16	15.38
February	W	15.57	W	-	12.78	19.10	15.61	W	13.47	17.64	15.85	15.87
March	-	15.68	W	-	13.06	19.05	16.05	18.83	13.41	17.44	16.14	16.29
April	W	16.42	17.76	-	14.40	20.32	18.01	18.97	15.06	18.10	18.11	18.07
May	W	17.35	17.66	-	16.39	21.25	18.62	19.99	15.73	19.58	18.80	18.65
June	W	18.40	19.60	-	17.41	22.11	19.49	20.85	16.01	20.93	19.60	19.57
July	W	18.50	21.06	-	17.20	21.49	19.00	21.45	15.78	20.49	19.15	19.06
August	W	18.28	21.26	-	16.74	21.05	18.45	21.37	16.10	20.10	18.79	18.70
September ..	-	18.35	W	-	17.34	21.57	18.45	20.72	16.89	20.12	18.51	18.83
October	W	18.35	W	-	17.26	21.60	17.96	21.17	16.14	20.09	18.08	18.56
November	-	17.26	W	-	16.18	20.79	17.02	21.00	14.51	19.25	17.05	17.28
December	W	15.85	W	-	15.12	19.32	16.64	19.46	14.07	17.80	16.69	16.62
1992 Average	W	17.04	18.76	-	15.60	20.78	17.48	20.63	15.13	19.25	17.63	17.81
1993												
January	-	15.27	W	-	14.50	18.96	16.36	19.12	14.07	17.21	16.39	16.64
February	-	15.84	W	-	14.98	19.92	17.29	19.28	14.60	18.17	17.29	17.43
March	W	16.48	W	-	15.50	20.25	17.56	19.43	15.14	18.43	17.63	17.83
April	W	16.79	19.89	-	15.55	20.18	17.56	19.32	15.54	18.48	17.55	17.77
May	W	16.82	20.57	-	15.57	19.79	16.64	19.33	14.91	18.41	16.79	17.30
June	-	16.25	W	-	14.50	18.93	15.72	18.67	13.53	17.44	15.86	16.03
July	W	15.30	17.86	-	13.44	18.31	14.94	17.51	12.92	16.44	14.96	15.30
August	-	14.94	19.28	-	13.66	18.08	15.11	17.56	13.32	16.01	15.11	15.24
September ..	W	14.56	W	-	13.81	17.62	14.67	17.04	13.46	15.55	14.59	14.98
October	W	15.13	W	-	14.06	17.97	14.96	16.82	12.98	15.77	14.98	15.15

^a Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

^b Includes Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. Prior to January 1, 1993, data included Ecuador, which was then a member of OPEC.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 23. FOB^a Costs of Imported Crude Oil by API Gravity
(Dollars per Barrel)

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
1978 Average	11.98	11.74	12.51	13.06	13.62	14.00	14.01
1979 Average	14.43	18.54	19.91	19.54	21.24	21.65	19.77
1980 Average	23.09	28.78	30.72	30.31	34.33	35.39	36.13
1981 Average	26.70	31.20	33.61	34.38	36.85	38.42	38.59
1982 Average	23.08	25.82	31.48	33.56	34.29	34.82	34.48
1983 Average	21.77	24.27	27.38	29.04	29.74	30.10	30.12
1984 Average	24.10	25.31	27.22	28.55	29.18	29.40	28.02
1985 Average	23.45	24.27	24.86	26.46	27.43	27.79	26.90
1986 Average	10.51	10.96	12.25	12.83	13.83	14.19	13.76
1987 Average	15.21	15.37	15.76	17.24	17.99	18.03	17.37
1988 Average	11.92	11.65	12.48	13.82	14.38	14.89	15.25
1989 Average	14.00	14.89	16.95	17.50	18.09	18.23	18.05
1990 Average	15.98	18.00	20.54	20.77	22.19	22.78	22.28
1991							
January	15.27	16.98	19.00	20.56	24.34	23.03	24.84
February	11.50	12.40	16.07	16.57	20.55	19.08	19.88
March	11.94	11.99	16.01	16.21	19.09	18.89	18.94
April	11.82	13.13	16.57	17.15	18.95	19.27	19.55
May	10.94	13.43	16.08	16.90	19.33	19.61	19.43
June	10.72	12.88	15.70	16.87	18.42	18.09	19.44
July	12.17	13.72	16.50	17.62	19.68	19.23	W
August	11.53	14.08	16.72	18.02	20.19	19.26	W
September	11.66	14.44	17.07	18.54	20.61	W	W
October	12.78	15.28	17.07	18.87	22.07	22.39	W
November	11.47	14.03	15.62	18.78	21.27	21.10	W
December	10.64	11.64	13.50	16.79	18.63	18.32	W
1991 Average	11.91	13.72	16.33	17.67	20.15	19.69	20.85
1992							
January	9.20	11.12	14.14	16.15	17.83	18.11	W
February	9.35	11.10	14.02	16.26	18.05	17.82	W
March	9.51	11.70	15.02	16.69	17.79	17.85	W
April	10.21	13.28	16.74	18.34	19.04	19.22	19.43
May	11.30	14.73	17.91	19.12	19.85	20.32	20.23
June	13.09	15.69	18.58	19.71	20.97	21.76	W
July	12.13	15.49	18.34	19.32	20.42	20.83	20.93
August	12.95	15.28	17.94	18.58	20.00	20.02	21.46
September	13.53	15.55	18.05	18.56	20.46	20.61	W
October	13.46	15.46	17.75	18.74	20.46	20.30	W
November	12.51	13.74	15.84	17.41	19.28	19.82	20.41
December	12.58	12.87	15.24	16.76	18.28	18.46	18.99
1992 Average	11.83	13.96	16.74	18.02	19.50	19.58	20.05
1993							
January	11.69	12.53	15.42	16.22	17.71	17.57	W
February	12.19	13.21	16.72	17.01	18.68	18.67	18.63
March	12.81	13.71	17.11	17.45	18.77	19.71	20.50
April	12.60	13.90	16.78	17.38	18.82	18.92	W
May	12.23	13.65	16.60	16.92	18.44	18.93	19.50
June	11.18	12.46	15.97	16.19	17.54	W	W
July	10.58	11.85	14.62	15.27	16.71	18.97	17.50
August	11.48	12.09	14.20	15.14	16.64	W	18.55
September	11.81	12.00	14.44	14.83	16.21	16.48	17.04
October	11.47	11.92	14.31	15.31	16.45	16.37	16.33

* FOB = Free on Board. See Glossary.

W = Withheld to avoid disclosure of individual company data.

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Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 24. Landed Costs of Imported Crude Oil by API Gravity
(Dollars per Barrel)

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
1978 Average	12.75	13.11	13.76	14.10	14.69	14.87	15.16
1979 Average	15.57	20.05	20.88	21.01	22.61	23.06	21.23
1980 Average	24.54	29.65	31.83	31.73	35.81	36.85	37.57
1981 Average	27.94	32.00	34.86	35.71	38.36	39.78	39.97
1982 Average	24.17	26.46	32.62	34.76	35.43	35.78	35.81
1983 Average	23.17	24.95	28.62	30.25	30.96	31.28	31.27
1984 Average	25.08	25.97	28.38	29.58	30.16	30.16	29.05
1985 Average	24.33	24.65	26.17	27.10	28.29	28.39	27.73
1986 Average	11.30	11.49	13.28	13.59	14.99	14.80	15.37
1987 Average	16.14	15.87	17.21	18.16	18.72	18.89	18.57
1988 Average	12.75	12.11	13.54	14.35	15.21	15.74	16.24
1989 Average	14.90	15.42	17.59	17.87	18.74	19.05	19.13
1990 Average	16.82	16.54	21.59	21.18	22.47	23.47	23.41
1991							
January	16.53	17.71	20.62	20.72	24.77	24.34	26.63
February	12.87	12.96	16.23	17.76	20.92	21.07	22.26
March	13.31	12.69	16.94	17.69	19.95	20.24	20.63
April	12.87	13.76	17.56	18.24	20.00	20.37	21.04
May	12.26	14.08	16.76	18.30	20.22	20.82	21.36
June	11.80	13.77	16.60	18.01	19.59	19.65	20.69
July	13.42	14.38	17.15	18.51	20.39	20.57	21.60
August	12.71	14.84	17.69	18.99	20.89	20.55	21.77
September	13.10	15.20	17.91	19.25	21.44	W	22.32
October	13.63	15.87	17.85	19.71	22.33	23.27	24.07
November	12.54	14.73	16.31	19.18	21.94	21.96	23.21
December	11.62	12.29	14.25	17.38	19.31	19.28	19.95
1991 Average	13.06	14.41	17.17	18.65	20.86	20.88	22.15
1992							
January	10.13	11.75	14.82	16.34	18.19	18.94	20.61
February	10.41	11.89	14.72	16.66	18.38	18.55	20.03
March	10.63	12.54	15.64	17.03	18.41	18.98	19.56
April	11.27	13.81	17.40	18.45	19.28	20.28	20.31
May	12.38	15.31	18.21	19.26	20.33	20.90	21.17
June	13.94	16.31	19.33	20.28	21.46	22.43	22.19
July	13.46	16.18	19.00	19.81	21.19	21.87	21.93
August	13.95	15.92	18.49	19.37	20.82	21.33	21.71
September	14.43	16.13	18.66	19.40	21.12	21.34	22.66
October	14.63	16.11	18.65	19.31	21.10	21.10	21.94
November	13.45	14.32	16.86	18.03	20.16	20.41	20.56
December	13.48	13.47	16.06	17.50	18.74	19.41	19.57
1992 Average	12.89	14.58	17.39	18.50	20.11	20.55	20.95
1993							
January	13.07	13.09	16.19	17.13	18.49	18.50	19.00
February	13.25	13.79	17.04	17.93	19.22	19.49	19.64
March	13.94	14.48	17.55	18.17	19.50	20.41	21.29
April	13.86	14.72	17.54	18.22	19.54	20.22	20.29
May	13.44	14.56	17.33	17.63	19.30	20.12	20.64
June	12.38	13.22	16.59	16.79	18.52	18.94	19.43
July	11.74	12.66	15.48	16.04	17.61	18.77	18.46
August	12.40	12.86	14.98	15.78	17.37	18.78	18.35
September	12.63	12.65	14.94	15.21	16.98	17.41	17.38
October	12.30	12.69	15.01	15.68	17.19	17.52	17.42

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Table 25. Percentages of Total Imported Crude Oil by API Gravity
(Percent by Interval)

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
1978 Average	1.26	3.57	7.93	38.79	31.66	13.48	3.31
1979 Average	1.65	3.96	8.45	38.98	30.64	13.36	2.96
1980 Average	1.70	6.18	9.25	38.43	27.02	13.56	3.85
1981 Average	2.19	8.88	9.46	37.37	28.60	12.53	2.98
1982 Average	3.39	14.90	11.72	35.58	23.76	8.44	2.20
1983 Average	3.91	20.40	15.14	24.95	23.63	7.74	4.23
1984 Average	6.48	20.62	11.59	21.05	25.75	8.12	6.48
1985 Average	7.62	20.46	11.19	27.14	24.93	4.02	4.65
1986 Average	5.54	19.36	14.12	27.49	25.74	3.65	4.11
1987 Average	4.04	19.68	16.88	26.91	24.79	3.87	3.85
1988 Average	3.52	18.27	15.99	30.72	24.45	4.04	3.02
1989 Average	2.55	14.39	16.80	36.27	23.79	3.55	2.64
1990 Average	3.64	14.96	18.13	34.44	23.21	2.94	2.67
1991							
January	3.84	17.38	20.93	37.72	16.23	1.83	2.06
February	3.89	15.39	21.06	36.29	20.70	1.78	.89
March	4.00	16.30	20.03	33.13	23.43	.64	2.46
April	3.27	13.94	19.39	37.96	22.34	.78	2.32
May	2.90	14.93	17.47	35.29	26.35	1.18	1.87
June	4.19	15.90	21.57	34.93	18.37	3.76	1.27
July	4.56	14.80	21.74	34.93	20.99	2.04	.94
August	4.44	16.09	21.76	34.40	20.32	1.99	.99
September	3.08	17.65	20.76	33.33	22.85	W	1.73
October	4.19	18.06	22.35	30.60	22.02	1.59	1.18
November	3.21	15.64	21.30	36.55	17.15	4.33	1.82
December	3.45	16.38	21.21	32.98	19.99	4.92	1.06
1991 Average	3.76	16.02	20.79	34.84	20.94	2.11	1.55
1992							
January	3.58	18.58	26.18	32.19	15.42	2.69	1.36
February	3.04	18.66	20.73	35.10	18.44	2.38	1.68
March	4.64	17.43	24.55	27.87	20.14	4.50	.87
April	2.90	18.47	21.30	33.55	19.48	3.27	1.02
May	4.24	17.87	19.27	32.27	20.83	4.46	1.07
June	4.91	17.09	22.36	28.15	23.37	3.14	.98
July	4.25	17.81	21.24	29.43	22.85	3.03	1.39
August	4.09	18.15	21.36	30.46	21.68	3.24	1.02
September	3.81	17.54	25.29	27.81	22.36	2.43	.76
October	4.83	17.46	23.20	33.36	18.60	2.18	.37
November	3.85	15.65	20.05	32.64	24.33	2.49	1.00
December	4.12	17.08	23.71	34.71	17.13	2.03	1.22
1992 Average	4.05	17.64	22.41	31.38	20.49	3.00	1.04
1993							
January	4.61	18.53	22.47	27.95	24.49	1.50	.46
February	4.20	18.14	19.51	35.41	17.94	3.57	1.23
March	4.98	18.66	20.35	28.63	23.43	2.50	1.46
April	3.89	19.25	19.05	34.08	20.21	2.46	1.06
May	4.07	17.62	20.13	30.66	22.47	3.42	1.44
June	5.18	18.48	19.05	32.31	22.24	1.56	1.17
July	4.29	20.18	22.37	29.86	20.49	1.55	1.26
August	5.99	21.29	18.91	27.30	23.42	1.69	1.40
September	4.73	19.80	18.88	30.84	21.78	1.92	2.05
October	3.98	18.99	17.55	35.57	18.13	3.54	2.23

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Table 26. FOB^a Costs of Imported Crude Oil for Selected Crude Streams
(Dollars per Barrel)

Year Quarter Month	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 Average	W	13.32	-	W	12.87	13.24	-
1979 Average	W	20.35	-	W	27.59	20.29	21.50
1980 Average	35.81	33.24	W	35.92	34.51	32.78	28.73
1981 Average	38.38	35.55	W	37.51	32.66	36.23	30.82
1982 Average	32.58	31.86	W	33.73	32.36	32.50	25.29
1983 Average	29.86	28.14	24.54	29.03	28.22	29.41	23.99
1984 Average	27.77	27.58	24.70	28.56	28.16	29.00	25.35
1985 Average	26.57	26.30	23.79	26.86	26.12	27.25	24.23
1986 Average	13.25	13.39	12.77	13.64	13.32	13.88	10.93
1987 Average	16.66	17.31	15.12	W	16.53	17.94	15.72
1988 Average	W	14.52	11.28	14.28	12.96	14.23	11.26
1989 Average	W	17.15	W	17.46	16.26	W	14.71
1990 Average	W	W	18.50	W	W	23.39	17.29
1991 Average	W	W	13.51	W	16.04	18.55	13.02
1992							
January	W	-	W	-	W	15.58	9.93
February	W	-	W	-	14.69	15.88	10.04
March	-	W	W	W	-	15.91	10.60
1st Quarter Average	W	W	W	W	14.43	15.80	10.21
April	W	W	W	-	-	17.66	12.28
May	W	W	W	-	W	19.23	14.20
June	W	19.63	W	-	W	20.19	15.22
2nd Quarter Average	W	18.74	W	-	W	19.01	13.89
July	W	19.41	W	W	W	19.48	15.35
August	W	W	W	-	W	19.03	14.98
September	-	19.18	W	-	W	19.64	15.18
3rd Quarter Average	W	19.01	W	W	18.28	19.32	15.17
October	-	19.01	W	-	W	19.35	15.35
November	-	18.13	W	-	W	18.22	14.08
December	W	17.47	W	-	W	17.29	12.62
4th Quarter Average	W	18.10	W	-	W	18.18	14.06
1992 Average	W	18.46	W	W	17.60	17.92	13.42
1993							
January	-	16.83	W	-	W	16.27	12.31
February	-	W	W	-	W	17.64	12.95
March	W	W	W	-	W	17.82	13.32
1st Quarter Average	W	17.03	W	-	W	17.18	12.87
April	-	W	W	-	W	17.85	13.60
May	-	17.70	W	W	W	17.88	13.19
June	-	16.70	13.39	W	W	16.97	11.93
2nd Quarter Average	-	17.17	W	W	W	17.56	12.90
July	W	15.71	W	-	14.06	15.47	11.50
August	-	15.64	W	-	W	15.21	11.72
September	W	14.80	W	-	W	W	11.84
3rd Quarter Average	W	15.44	W	-	13.61	15.30	11.68
October	W	15.63	W	-	W	15.54	11.82

See footnotes at end of table.

Table 26. FOB^a Costs of Imported Crude Oil for Selected Crude Streams (Continued)
(Dollars per Barrel)

Year Quarter Month	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 Average	14.17	14.11	13.91	12.74	12.07	-	W
1979 Average	21.89	25.88	21.36	17.33	15.83	21.92	W
1980 Average	35.57	37.71	35.86	27.79	26.14	33.13	18.56
1981 Average	38.64	38.19	37.72	32.62	31.42	36.22	W
1982 Average	35.18	35.58	34.04	34.08	31.10	33.55	19.00
1983 Average	30.31	30.07	29.73	29.22	26.30	30.30	19.31
1984 Average	29.82	29.67	29.17	29.11	26.52	29.25	22.24
1985 Average	28.23	W	W	23.70	W	27.88	21.94
1986 Average	14.07	14.02	16.23	11.79	11.00	14.07	9.44
1987 Average	18.32	18.45	18.25	14.46	14.85	18.37	15.75
1988 Average	15.39	15.33	14.58	12.98	11.68	14.40	12.29
1989 Average	18.42	18.58	17.80	18.28	W	18.38	12.27
1990 Average	23.47	22.67	W	21.72	19.13	29.33	12.15
1991 Average	21.10	20.46	20.39	16.83	13.25	22.17	8.49
1992							
January	-	18.49	W	W	W	-	W
February	W	W	-	16.38	W	-	W
March	W	18.33	W	W	W	W	W
1st Quarter Average	W	18.42	W	16.20	W	W	5.42
April	W	19.75	W	W	W	W	W
May	W	20.55	W	W	16.46	W	8.15
June	W	21.55	-	W	W	W	W
2nd Quarter Average	W	20.51	W	W	16.36	W	8.38
July	W	20.95	W	W	16.67	W	8.70
August	W	20.43	W	W	W	W	W
September	W	20.87	-	W	W	W	8.79
3rd Quarter Average	W	20.76	W	W	16.16	W	8.61
October	W	20.82	W	W	W	W	W
November	W	20.06	W	W	W	19.92	W
December	W	18.53	W	W	14.38	W	-
4th Quarter Average	W	20.06	W	W	13.86	19.55	9.37
1992 Average	20.26	20.10	19.62	17.34	14.76	19.74	8.25
1993							
January	17.65	17.92	-	16.16	14.26	W	W
February	W	19.14	W	W	W	18.13	W
March	W	19.42	W	W	W	18.51	-
1st Quarter Average	19.14	18.64	19.22	16.55	14.73	18.40	W
April	19.34	19.27	-	W	W	W	-
May	W	18.88	W	W	13.32	W	W
June	W	18.09	-	-	W	W	8.96
2nd Quarter Average	19.15	18.89	W	15.90	13.42	18.41	9.51
July	-	17.59	-	-	W	W	W
August	-	W	-	-	W	W	W
September	W	W	-	-	W	W	W
3rd Quarter Average	W	17.39	-	-	W	W	9.61
October	W	W	-	W	W	W	-

^a FOB = Free on Board. See Glossary.

Dashes (-) = No data reported.

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Table 27. Landed Costs of Imported Crude Oil for Selected Crude Streams
(Dollars per Barrel)

Year Quarter Month	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 Average	W	14.07	-	W	13.85	13.54	-
1979 Average	W	21.51	-	25.40	29.17	20.78	22.23
1980 Average	37.73	34.68	W	37.89	34.61	33.42	29.49
1981 Average	40.03	36.84	W	38.95	33.56	36.87	31.52
1982 Average	33.71	33.08	W	34.95	32.97	33.11	25.86
1983 Average	30.79	29.31	25.27	30.28	28.90	30.00	24.56
1984 Average	28.59	28.63	25.35	29.51	28.79	29.46	25.84
1985 Average	27.21	27.48	24.38	27.94	26.97	27.60	24.57
1986 Average	14.54	14.27	13.52	13.71	14.39	14.28	11.24
1987 Average	17.72	18.43	15.98	18.63	17.80	18.32	16.03
1988 Average	W	14.96	12.21	15.21	13.77	14.69	11.65
1989 Average	W	18.15	15.36	18.71	17.69	W	15.14
1990 Average	W	20.01	19.55	19.76	21.63	23.79	17.75
1991 Average	W	18.31	14.63	W	17.52	19.16	13.62
1992							
January	W	W	W	-	W	16.13	10.39
February	W	W	W	-	15.53	16.35	10.49
March	-	W	W	W	W	16.50	11.11
1st Quarter Average	W	17.91	W	W	15.50	16.33	10.68
April	W	W	W	-	W	18.09	12.63
May	W	19.07	W	-	18.26	19.46	14.61
June	W	20.21	W	-	20.27	20.61	15.61
2nd Quarter Average	W	19.25	W	-	19.12	19.38	14.28
July	W	20.38	W	W	W	19.89	15.70
August	W	19.70	W	-	19.19	19.49	15.35
September	-	20.03	W	-	19.11	20.13	15.55
3rd Quarter Average	W	20.04	W	W	19.24	19.77	15.53
October	-	20.10	W	-	W	19.85	15.77
November	-	19.75	W	-	18.36	18.62	14.49
December	W	18.43	W	-	W	17.81	13.00
4th Quarter Average	W	19.40	W	-	18.48	18.68	14.46
1992 Average	W	19.59	W	W	18.52	18.40	13.80
1993							
January	-	17.74	W	-	16.72	16.83	12.71
February	-	17.74	W	-	17.70	18.14	13.35
March	W	18.80	W	-	W	18.30	13.73
1st Quarter Average	W	18.05	W	-	17.23	17.69	13.28
April	-	18.71	W	-	W	18.48	14.07
May	-	18.80	W	W	18.27	18.53	13.69
June	-	17.77	14.54	W	18.45	17.55	12.47
2nd Quarter Average	-	18.40	W	W	17.50	18.18	13.40
July	W	17.17	13.41	-	15.83	16.06	11.94
August	-	16.70	13.35	-	15.06	15.76	12.23
September	W	15.91	12.97	-	14.57	W	12.18
3rd Quarter Average	W	16.67	13.23	-	15.28	15.84	12.12
October	W	16.47	13.77	-	15.54	16.06	12.19

See footnotes at end of table.

Table 27. Landed Costs of Imported Crude Oil for Selected Crude Streams (Continued)
(Dollars per Barrel)

Year Quarter Month	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 Average	14.97	15.04	14.68	14.04	13.32	-	W
1979 Average	23.19	27.11	22.64	19.18	17.68	23.26	W
1980 Average	37.02	38.58	36.91	29.57	28.16	34.57	20.34
1981 Average	40.01	39.25	38.70	34.32	33.02	37.58	W
1982 Average	36.26	36.45	34.70	35.65	32.64	34.53	20.32
1983 Average	31.44	31.06	30.79	30.95	28.12	31.26	20.69
1984 Average	30.71	30.46	29.99	30.61	28.10	29.89	23.20
1985 Average	29.14	28.98	28.16	25.35	23.69	28.49	22.85
1986 Average	14.89	15.00	15.07	13.06	12.17	14.64	10.42
1987 Average	19.39	19.26	18.96	17.88	16.20	18.71	16.65
1988 Average	16.06	16.02	15.45	14.04	12.80	15.84	13.23
1989 Average	19.34	19.38	18.67	17.96	16.56	18.83	13.16
1990 Average	24.29	23.21	21.53	22.49	21.48	24.40	13.43
1991 Average	22.27	21.57	21.66	18.49	15.28	21.65	10.17
1992							
January	-	19.29	W	16.18	13.66	W	W
February	W	19.19	-	16.76	14.16	W	W
March	19.35	19.22	W	17.50	15.14	18.93	W
1st Quarter Average	19.53	19.23	W	16.81	14.36	18.82	6.71
April	20.67	20.43	W	19.44	17.17	18.84	W
May	W	21.43	21.49	19.76	17.31	19.94	9.54
June	W	22.22	W	20.38	18.11	20.71	W
2nd Quarter Average	21.76	21.30	21.09	19.91	17.54	20.04	9.98
July	W	21.58	21.88	19.74	17.65	21.45	9.97
August	W	21.10	W	19.22	17.25	21.44	W
September	W	21.54	W	19.30	17.26	20.72	9.78
3rd Quarter Average	21.59	21.42	21.73	19.42	17.39	21.21	9.77
October	22.15	21.54	21.36	18.44	16.59	21.19	W
November	W	20.74	W	17.75	15.67	21.07	W
December	W	19.35	W	17.78	15.22	19.52	-
4th Quarter Average	21.45	20.82	20.71	17.98	15.76	20.78	11.11
1992 Average	21.25	20.85	20.96	18.54	16.10	20.68	9.65
1993							
January	19.09	18.80	-	17.52	15.07	19.05	W
February	19.98	20.07	W	18.27	15.77	19.28	W
March	20.61	20.18	20.02	18.42	16.34	19.43	-
1st Quarter Average	19.91	19.52	19.95	18.11	15.69	19.31	W
April	20.73	20.26	-	17.93	16.12	19.60	-
May	W	19.65	W	17.42	15.27	19.46	W
June	W	18.91	W	16.82	14.41	18.98	11.20
2nd Quarter Average	20.31	19.82	19.31	17.46	15.23	19.35	11.54
July	W	18.26	-	16.10	13.56	17.67	W
August	W	W	-	16.30	13.97	17.65	W
September	W	W	-	15.66	13.76	17.11	W
3rd Quarter Average	W	17.95	-	16.04	13.75	17.46	11.42
October	W	17.71	-	16.31	13.97	17.31	-

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Sales Prices of Petroleum Products

**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,
PAD District, and State**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Average										
October 1993	-	-	70.9	58.8	78.3	64.8	87.1	71.0	74.7	61.7
September 1993	78.4	68.4	70.6	58.6	78.4	64.8	87.2	71.0	74.7	61.8
October 1992	85.1	74.0	77.4	67.4	84.6	73.8	93.0	80.2	81.1	70.5
PAD District I Average										
October 1993	-	-	67.9	57.2	78.0	64.1	87.2	71.0	73.6	61.7
September 1993	75.9	71.4	68.2	56.8	78.5	63.9	87.5	70.8	74.0	61.3
October 1992	81.2	82.4	75.4	67.1	85.0	73.6	93.8	80.8	80.7	71.4
Subdistrict IA Average										
October 1993	-	-	70.7	57.4	79.5	64.4	88.4	70.4	75.9	61.3
September 1993	W	W	71.2	58.1	80.3	64.8	88.9	71.0	76.6	62.0
October 1992	80.7	W	81.4	68.8	90.0	76.0	98.1	82.3	86.3	72.8
Connecticut										
October 1993	-	-	71.5	58.9	80.4	66.3	91.9	71.8	77.7	63.4
September 1993	-	-	70.7	59.9	80.3	65.4	91.5	73.0	77.1	64.4
October 1992	-	-	81.0	70.6	90.3	77.7	100.4	82.6	87.1	74.9
Maine										
October 1993	-	-	75.6	55.3	83.2	59.0	91.2	64.8	79.2	57.7
September 1993	-	-	78.0	55.6	85.7	60.3	93.1	67.6	81.7	58.4
October 1992	-	-	84.6	66.5	94.2	72.6	99.5	78.1	88.2	69.1
Massachusetts										
October 1993	-	-	68.0	57.3	78.0	64.4	86.3	70.8	73.9	61.3
September 1993	-	-	68.3	57.4	78.3	65.2	87.0	70.2	74.2	61.3
October 1992	-	-	79.9	69.8	88.5	76.0	96.3	82.6	84.9	73.7
New Hampshire										
October 1993	-	-	72.3	60.4	83.3	66.4	92.1	74.3	77.4	64.0
September 1993	-	-	73.1	61.0	84.5	66.7	92.0	74.5	78.2	64.6
October 1992	-	-	82.6	65.0	92.2	75.9	100.8	84.1	87.3	68.4
Rhode Island										
October 1993	-	-	66.7	53.7	NA	61.1	NA	67.1	71.7	57.3
September 1993	W	-	68.3	56.3	75.4	62.2	82.2	68.4	73.3	60.1
October 1992	-	-	79.8	66.6	87.1	73.3	94.7	80.6	84.7	70.5
Vermont										
October 1993	-	-	77.7	64.6	84.9	70.3	92.7	77.2	81.5	68.1
September 1993	W	W	76.8	65.8	84.1	71.6	93.8	78.3	81.0	69.2
October 1992	80.7	W	84.6	74.8	92.0	79.5	99.0	87.7	88.2	78.1
Subdistrict IB Average										
October 1993	-	-	68.9	58.7	78.0	66.1	87.5	73.2	74.2	63.7
September 1993	77.7	71.7	68.4	57.2	77.5	65.0	86.9	71.9	73.8	62.2
October 1992	82.1	83.2	77.3	68.5	86.9	76.6	95.6	83.2	82.6	73.6
Delaware										
October 1993	-	-	64.0	56.5	73.5	61.3	82.7	69.1	69.4	59.9
September 1993	-	-	64.9	57.5	72.8	62.2	83.3	69.8	70.1	60.8
October 1992	-	-	77.0	67.9	84.4	72.5	95.1	79.4	82.0	71.9
District of Columbia										
October 1993	-	-	60.5	63.7	67.4	70.1	73.0	77.1	64.9	71.5
September 1993	-	-	59.0	63.5	65.0	67.3	69.0	76.2	63.1	70.4
October 1992	-	-	69.6	74.5	76.8	80.8	83.1	89.4	74.4	82.4
Maryland										
October 1993	-	-	65.0	59.3	74.6	64.9	80.8	71.3	70.2	63.7
September 1993	W	-	65.1	58.9	75.6	65.0	81.8	72.0	70.7	63.8
October 1992	-	-	75.7	71.0	86.5	76.5	93.5	84.0	81.2	75.6
New Jersey										
October 1993	-	-	71.0	60.2	85.7	69.2	93.1	72.8	79.4	65.6
September 1993	W	-	68.5	56.0	82.7	65.0	91.0	71.0	77.2	61.6
October 1992	W	W	81.4	68.3	92.8	80.6	99.4	84.8	88.7	74.5
New York										
October 1993	-	-	71.0	60.4	79.7	70.4	89.9	78.4	75.7	66.5
September 1993	78.5	71.7	70.2	58.8	79.0	67.8	88.9	75.0	75.0	64.2
October 1992	82.5	W	76.7	68.7	86.1	77.3	94.9	84.2	81.4	74.3
Pennsylvania										
October 1993	-	-	67.1	56.2	76.1	62.3	84.3	68.3	72.1	59.7
September 1993	83.3	W	67.3	56.2	76.0	63.3	84.5	68.9	72.4	59.9
October 1992	81.5	W	76.9	67.4	85.7	73.7	94.3	79.6	81.7	71.1

See footnotes at end of table.

**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,
PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Subdistrict IC Average										
October 1993	-	-	66.7	55.9	77.7	62.7	86.7	68.9	72.8	60.0
September 1993	71.7	-	67.4	56.0	78.6	63.0	87.5	69.5	73.6	60.3
October 1992	79.6	W	73.4	65.3	83.4	71.0	92.1	77.7	78.8	69.0
Florida										
October 1993	-	-	68.4	57.2	80.3	65.2	89.0	72.3	74.9	62.9
September 1993	-	-	69.1	57.9	81.1	66.4	89.9	75.0	75.9	64.1
October 1992	W	-	75.3	65.6	85.8	71.7	93.4	80.1	81.2	70.5
Georgia										
October 1993	-	-	66.1	54.7	76.4	60.9	85.9	66.7	72.2	58.3
September 1993	W	-	66.3	54.6	76.7	60.9	85.7	66.7	72.4	58.3
October 1992	W	-	71.4	64.8	81.6	70.2	91.1	76.9	77.2	68.3
North Carolina										
October 1993	-	-	63.2	55.2	73.4	60.9	82.4	66.3	68.6	58.4
September 1993	W	-	65.4	55.1	76.0	60.8	85.0	66.3	70.9	58.3
October 1992	W	-	71.5	64.6	80.2	70.1	89.1	75.2	76.2	67.5
South Carolina										
October 1993	-	-	64.0	54.3	76.3	60.0	85.3	65.5	70.1	57.3
September 1993	-	-	64.1	54.1	77.1	59.6	85.8	64.9	70.4	57.0
October 1992	-	W	71.3	65.2	81.7	69.2	91.1	75.0	76.0	67.5
Virginia										
October 1993	-	-	67.7	56.5	78.0	63.6	87.0	69.2	73.9	60.8
September 1993	-	-	68.2	56.0	78.9	64.0	87.4	68.9	74.4	61.0
October 1992	W	-	74.8	65.7	84.8	72.0	94.0	77.9	80.6	69.8
West Virginia										
October 1993	-	-	72.3	60.1	81.9	66.8	88.2	72.6	76.6	63.5
September 1993	W	-	72.7	59.6	82.8	66.0	88.7	71.8	77.2	63.1
October 1992	W	-	79.5	69.6	88.3	75.2	95.1	81.4	83.6	72.8
PAD District II Average										
October 1993	-	-	69.7	58.6	76.5	64.1	83.3	68.2	72.4	60.5
September 1993	78.6	62.4	69.2	57.1	76.4	63.7	82.9	67.2	72.1	59.1
October 1992	85.3	69.2	75.9	66.1	82.8	72.4	89.1	76.1	78.5	68.0
Illinois										
October 1993	-	-	68.9	57.1	75.0	65.8	81.4	69.1	71.5	60.1
September 1993	79.3	W	68.6	56.3	75.4	65.3	82.7	68.3	71.5	59.3
October 1992	78.4	71.8	76.2	65.7	84.0	75.3	90.7	77.7	79.4	68.6
Indiana										
October 1993	-	-	66.8	56.2	73.6	62.9	80.1	66.5	70.0	58.6
September 1993	78.1	W	67.0	55.4	73.9	62.5	81.0	66.6	70.5	57.9
October 1992	87.2	67.0	75.5	64.9	82.3	71.7	87.7	75.8	78.6	67.1
Iowa										
October 1993	-	-	72.4	62.1	78.4	69.8	83.2	71.1	73.3	63.0
September 1993	75.1	67.5	70.0	58.6	76.3	67.3	79.7	67.8	71.0	59.4
October 1992	81.8	69.8	78.6	67.5	84.3	72.8	87.5	75.2	79.4	68.2
Kansas										
October 1993	-	-	72.9	60.9	80.2	69.6	85.0	69.3	74.4	61.8
September 1993	NA	NA	69.8	56.6	76.9	66.7	81.9	65.8	71.4	57.6
October 1992	81.4	69.0	76.6	64.9	83.8	72.9	87.9	73.6	78.3	65.8
Kentucky										
October 1993	-	-	68.0	56.1	75.7	61.3	84.9	67.9	72.3	59.3
September 1993	76.3	W	69.1	56.5	78.2	61.5	85.7	68.0	73.7	59.6
October 1992	85.4	74.8	74.2	66.6	81.3	71.7	88.4	77.6	77.8	69.3
Michigan										
October 1993	-	-	67.3	57.2	75.5	63.0	81.8	67.7	70.3	59.3
September 1993	80.0	60.9	67.8	57.0	75.6	63.0	81.9	67.3	70.9	59.2
October 1992	87.5	71.3	75.2	67.0	82.6	72.2	89.7	77.4	78.0	69.0
Minnesota										
October 1993	-	-	78.7	65.2	84.5	68.6	91.0	74.0	80.8	66.4
September 1993	79.6	68.6	77.0	62.0	82.3	68.9	89.7	71.1	79.1	63.3
October 1992	84.5	71.0	82.0	69.6	87.3	78.0	92.2	78.1	83.6	70.7
Missouri										
October 1993	-	-	68.8	59.2	76.5	65.1	83.2	68.1	71.6	60.9
September 1993	75.5	62.3	66.5	57.0	74.9	64.7	81.2	66.2	69.5	59.0
October 1992	78.6	73.6	73.3	66.5	82.2	73.8	87.8	75.6	76.3	68.2

See footnotes at end of table.

**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,
PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Nebraska										
October 1993	-	-	75.2	62.5	80.2	70.8	82.8	71.6	76.2	63.5
September 1993	75.2	61.3	73.4	59.0	79.8	65.9	81.8	67.8	74.6	59.7
October 1992	84.2	69.3	78.0	67.8	85.0	77.0	88.7	76.5	79.8	68.7
North Dakota										
October 1993	-	-	80.8	66.0	88.6	76.5	94.4	76.9	81.8	66.8
September 1993	87.1	65.7	81.3	62.2	88.7	73.6	89.9	73.0	82.5	63.2
October 1992	90.5	71.0	85.6	70.5	90.8	80.7	94.8	80.6	86.4	71.2
Ohio										
October 1993	-	-	67.2	57.7	76.0	64.1	83.6	69.4	71.0	60.2
September 1993	75.6	W	67.6	57.2	75.8	64.1	82.4	68.1	71.2	59.7
October 1992	85.9	W	74.1	66.0	81.6	72.0	88.4	76.5	77.2	68.1
Oklahoma										
October 1993	-	-	69.1	57.7	76.1	64.9	81.3	65.5	71.5	58.7
September 1993	72.1	W	65.0	54.9	72.5	62.2	78.2	63.4	67.7	55.9
October 1992	74.4	67.0	72.5	63.7	80.0	70.0	84.3	71.8	74.8	64.8
South Dakota										
October 1993	-	-	80.9	66.1	83.4	74.3	89.7	76.5	81.9	67.3
September 1993	84.7	69.1	80.1	63.3	84.3	77.8	88.7	75.0	81.3	64.6
October 1992	89.3	71.5	83.6	69.7	86.0	72.8	96.1	78.1	84.8	70.2
Tennessee										
October 1993	-	-	66.1	54.6	76.2	60.8	84.7	66.4	71.9	58.2
September 1993	W	-	66.8	54.6	76.7	60.9	85.3	66.1	72.4	58.2
October 1992	W	W	71.6	64.1	82.3	69.5	90.3	75.3	77.2	67.3
Wisconsin										
October 1993	-	-	NA	58.4	77.5	63.6	NA	67.8	71.3	60.0
September 1993	78.2	60.7	69.8	56.9	77.6	62.8	82.4	66.4	72.1	58.5
October 1992	86.7	69.4	77.8	65.7	84.4	71.6	89.7	75.0	79.7	67.1
PAD District III Average										
October 1993	-	-	68.9	54.7	78.0	60.5	85.6	64.5	73.3	56.6
September 1993	80.1	66.4	69.7	54.9	78.9	61.1	86.6	65.1	74.3	57.3
October 1992	86.5	73.3	75.5	63.2	83.7	69.7	90.7	73.9	79.7	65.6
Alabama										
October 1993	-	-	69.0	55.1	77.6	60.9	86.2	66.7	74.2	58.4
September 1993	W	W	69.4	55.6	77.9	61.8	87.5	67.2	74.7	59.0
October 1992	W	-	76.0	65.3	84.1	70.6	92.2	77.0	80.2	68.4
Arkansas										
October 1993	-	-	67.8	55.5	76.5	59.7	83.0	64.5	71.0	57.6
September 1993	W	W	68.5	55.1	77.4	59.4	83.1	64.2	71.8	57.1
October 1992	72.4	68.3	73.6	64.0	81.4	68.4	88.3	72.7	76.6	66.0
Louisiana										
October 1993	-	-	69.1	52.7	79.9	61.5	87.1	66.3	75.0	56.0
September 1993	77.4	-	70.0	54.9	80.7	62.1	88.0	67.3	75.9	58.7
October 1992	84.7	-	75.0	63.8	84.5	70.7	90.1	76.3	79.8	67.0
Mississippi										
October 1993	-	-	65.9	53.2	75.7	58.4	83.4	60.9	70.7	55.4
September 1993	W	W	67.5	53.9	77.1	59.5	85.1	63.1	72.3	56.4
October 1992	W	-	74.5	61.9	82.2	68.4	89.9	73.3	78.5	64.2
New Mexico										
October 1993	-	-	82.0	68.9	88.6	74.6	96.0	79.4	83.5	70.0
September 1993	84.6	68.8	82.2	67.5	86.9	72.0	94.0	76.5	83.7	68.7
October 1992	88.2	75.1	87.6	73.7	93.3	79.2	99.3	83.2	88.9	74.9
Texas										
October 1993	-	-	67.9	54.3	77.7	60.3	85.1	63.6	72.4	55.8
September 1993	76.1	64.6	68.8	54.0	78.9	60.9	86.2	64.0	73.5	56.2
October 1992	83.8	69.5	74.8	62.4	83.8	69.5	90.6	72.6	79.3	64.5
PAD District IV Average										
October 1993	-	-	78.9	68.3	87.0	71.5	91.6	76.7	81.6	69.8
September 1993	79.4	68.1	77.4	65.6	84.7	68.9	90.5	74.3	80.0	67.3
October 1992	87.9	73.8	84.3	72.6	88.8	76.1	96.0	80.0	86.6	74.0
Colorado										
October 1993	-	-	79.7	66.7	89.2	71.9	97.2	75.5	83.3	68.3
September 1993	82.1	65.9	77.3	62.6	86.2	68.0	94.8	71.6	81.2	64.4
October 1992	89.5	73.7	83.5	71.4	89.9	75.8	98.0	78.5	86.6	73.1

See footnotes at end of table.

**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,
PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Idaho										
October 1993	-	-	77.9	70.4	94.7	67.8	84.8	79.0	79.0	71.5
September 1993	76.7	69.2	75.7	68.6	85.3	70.4	84.7	77.5	77.0	69.8
October 1992	85.8	75.8	84.7	75.8	85.9	W	94.9	84.6	85.7	76.5
Montana										
October 1993	-	-	84.1	71.4	W	W	94.3	79.7	85.3	72.8
September 1993	84.9	69.2	84.9	69.1	W	-	95.7	77.5	86.1	70.3
October 1992	90.2	72.2	89.9	72.0	W	-	98.2	79.3	90.9	72.9
Utah										
October 1993	-	-	73.5	66.4	79.7	71.3	85.4	74.9	76.5	68.5
September 1993	75.5	65.9	73.2	65.6	79.3	70.7	84.6	73.8	76.1	67.5
October 1992	83.9	73.0	81.0	72.8	84.8	77.3	90.6	80.4	83.2	74.2
Wyoming										
October 1993	-	-	83.9	70.6	87.7	NA	93.1	79.3	85.2	72.0
September 1993	81.1	67.3	81.6	67.0	86.7	69.5	91.9	75.9	82.8	68.6
October 1992	91.3	73.1	91.6	72.3	W	77.6	99.6	80.1	92.5	73.5
PAD District V Average										
October 1993	-	-	80.5	66.3	83.7	72.6	97.2	81.2	83.5	69.6
September 1993	77.4	69.4	79.0	68.1	82.5	74.2	96.3	81.8	81.9	71.2
October 1992	83.5	75.1	86.8	75.7	91.8	82.7	102.5	90.5	89.3	79.1
Alaska										
October 1993	-	-	103.7	79.6	-	-	103.0	89.9	103.6	80.6
September 1993	97.1	84.0	101.4	77.8	-	-	106.7	88.4	101.8	79.0
October 1992	117.6	92.0	112.0	86.6	-	-	111.8	95.8	112.4	87.8
Arizona										
October 1993	-	-	85.0	74.8	90.6	76.5	101.4	88.1	87.5	77.0
September 1993	80.4	73.5	83.9	73.4	87.8	76.3	100.1	86.3	85.8	75.3
October 1992	82.5	75.6	86.4	76.7	91.4	82.0	102.2	88.7	87.6	78.3
California										
October 1993	-	-	76.7	64.5	83.1	72.1	94.3	79.7	80.7	68.3
September 1993	-	W	75.0	66.9	81.6	73.8	93.3	80.8	79.1	70.6
October 1992	W	83.3	85.4	75.3	91.6	82.6	101.8	90.6	89.1	79.4
Hawaii										
October 1993	-	-	100.5	90.6	102.2	96.9	115.5	104.0	104.5	95.9
September 1993	-	-	100.4	90.9	102.7	97.0	116.0	104.1	104.8	96.2
October 1992	-	-	96.8	90.8	104.2	96.9	112.6	104.2	102.0	96.0
Nevada										
October 1993	-	-	83.7	65.9	81.3	72.4	102.7	78.9	85.9	68.7
September 1993	80.3	69.2	81.7	67.7	83.5	72.5	99.0	81.1	84.5	70.2
October 1992	90.4	75.9	87.8	73.5	89.4	77.8	104.4	86.2	90.5	75.9
Oregon										
October 1993	-	-	84.4	68.4	94.0	-	99.9	83.2	86.3	70.5
September 1993	80.2	69.8	84.0	69.4	W	W	99.8	82.8	84.9	71.2
October 1992	85.2	75.3	89.2	76.2	W	W	104.3	88.7	89.8	77.5
Washington										
October 1993	-	-	78.3	67.0	83.9	73.1	95.4	82.0	81.0	69.9
September 1993	72.2	67.0	77.0	67.1	84.9	73.0	94.7	81.4	78.5	69.5
October 1992	81.5	74.2	85.6	75.2	W	W	100.8	88.7	86.8	77.1

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users
by Grade, PAD District, and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
U.S. Average										
October 1993	-	-	71.2	68.2	79.0	71.6	88.2	76.8	75.2	70.0
September 1993	78.4	78.4	70.9	69.0	79.0	72.8	88.2	78.4	75.1	71.2
October 1992	84.9	85.5	77.6	75.8	85.2	79.3	94.0	84.7	81.5	78.0
PAD District I Average										
October 1993	-	-	68.5	62.2	79.0	68.7	88.6	73.2	74.5	65.5
September 1993	77.4	75.5	68.8	63.0	79.6	70.2	88.8	75.3	74.9	66.7
October 1992	78.5	82.5	75.8	71.6	85.9	77.6	95.1	83.2	81.4	75.1
Subdistrict IA Average										
October 1993	-	-	71.7	60.1	81.2	65.5	90.2	69.2	77.1	63.1
September 1993	-	W	72.6	59.0	82.4	65.4	91.0	70.6	78.1	62.7
October 1992	-	80.7	82.5	70.3	91.7	75.7	100.3	78.4	87.6	73.1
Connecticut										
October 1993	-	-	72.3	60.1	83.3	64.8	93.4	70.8	79.1	63.5
September 1993	-	-	72.0	58.5	83.3	63.4	93.4	70.9	78.8	62.2
October 1992	-	-	81.7	69.7	91.6	77.2	102.0	79.6	88.0	74.0
Maine										
October 1993	-	-	76.7	62.9	85.0	70.8	92.9	74.6	80.4	66.6
September 1993	-	-	79.0	65.3	88.0	73.5	95.7	75.6	83.1	69.8
October 1992	-	-	85.2	76.2	96.1	79.0	101.2	85.9	89.1	78.5
Massachusetts										
October 1993	-	-	69.1	56.5	79.7	61.9	88.9	65.3	75.3	59.6
September 1993	-	-	70.0	55.7	80.7	61.3	89.6	67.4	76.3	59.2
October 1992	-	-	81.4	66.8	90.6	73.2	99.6	75.0	86.8	70.1
New Hampshire										
October 1993	-	-	72.8	62.3	83.9	68.9	92.4	80.0	77.9	65.1
September 1993	-	-	73.5	62.8	85.2	69.6	92.6	73.9	78.8	65.5
October 1992	-	-	83.0	76.0	93.3	73.1	101.3	87.3	88.0	77.1
Rhode Island										
October 1993	-	-	67.0	60.8	NA	66.7	NA	73.8	72.1	65.2
September 1993	-	W	68.9	58.6	76.0	67.7	82.6	74.6	73.9	64.2
October 1992	-	-	80.5	66.7	88.1	70.5	95.4	76.6	85.5	69.1
Vermont										
October 1993	-	-	79.2	70.0	87.5	74.0	95.1	79.8	83.4	72.4
September 1993	-	W	78.3	69.1	87.1	73.1	96.4	80.7	83.0	71.9
October 1992	-	80.7	86.6	75.0	94.4	83.0	101.5	85.7	90.4	78.1
Subdistrict IB Average										
October 1993	-	-	69.8	63.2	79.6	69.4	89.2	74.9	75.4	66.4
September 1993	NA	77.2	69.1	63.6	79.0	69.7	88.5	76.0	74.9	67.1
October 1992	W	82.2	78.1	72.5	88.5	78.4	97.7	84.2	83.8	76.1
Delaware										
October 1993	-	-	64.7	60.3	75.0	66.6	83.4	77.1	70.4	63.9
September 1993	-	-	65.6	60.6	74.0	67.9	84.2	75.8	71.0	64.7
October 1992	-	-	78.1	70.8	86.3	76.8	96.4	84.6	83.4	74.3
District of Columbia										
October 1993	-	-	W	56.7	W	58.4	W	W	W	58.8
September 1993	-	-	W	56.0	W	57.7	W	W	W	58.7
October 1992	-	-	W	65.6	W	68.5	W	76.9	W	69.2
Maryland										
October 1993	-	-	66.6	61.0	76.2	69.9	82.5	74.4	72.0	64.9
September 1993	-	W	67.0	60.4	77.5	70.8	83.5	76.7	72.8	65.5
October 1992	-	-	77.4	71.3	88.7	80.2	95.8	85.2	83.3	75.2
New Jersey										
October 1993	-	-	72.3	61.8	87.8	68.4	95.9	74.5	81.2	66.4
September 1993	-	W	69.8	59.8	85.1	67.9	93.5	72.8	79.1	64.6
October 1992	-	W	83.6	70.7	95.4	78.9	103.6	82.3	91.4	75.8
New York										
October 1993	-	-	72.2	62.1	82.1	66.6	92.0	72.0	77.2	64.5
September 1993	NA	77.9	71.2	62.6	81.4	66.5	90.7	72.8	76.4	65.2
October 1992	W	82.8	77.3	72.7	88.0	75.1	97.2	80.9	82.4	74.7
Pennsylvania										
October 1993	-	-	67.2	66.2	76.7	72.0	84.8	79.0	72.4	69.4
September 1993	109.2	83.1	67.3	67.7	76.6	72.5	84.9	81.2	72.6	71.1
October 1992	-	81.5	77.3	74.2	86.7	80.3	95.0	90.0	82.2	78.3

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users
by Grade, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
Subdistrict IC Average										
October 1993	-	-	67.2	61.7	78.4	68.9	88.0	72.8	73.5	65.2
September 1993	W	W	67.8	63.3	79.2	72.1	88.6	75.8	74.2	67.3
October 1992	W	W	73.6	71.1	83.9	77.4	92.9	83.3	79.2	74.7
Florida										
October 1993	-	-	68.9	62.4	81.5	66.6	90.2	72.0	75.8	64.9
September 1993	-	-	69.6	63.5	82.4	68.2	91.1	75.4	76.7	66.8
October 1992	W	-	75.5	71.8	86.9	75.2	94.5	81.3	81.7	74.7
Georgia										
October 1993	-	-	66.4	63.1	76.8	66.8	87.1	71.2	72.7	65.5
September 1993	W	-	66.4	65.4	77.0	69.5	86.3	78.6	72.7	69.0
October 1992	W	-	71.5	70.5	82.1	76.1	92.0	81.9	77.5	74.0
North Carolina										
October 1993	-	-	63.8	57.5	73.9	66.9	83.8	69.6	69.3	61.3
September 1993	-	W	65.9	61.1	76.5	70.1	85.9	73.8	71.6	64.4
October 1992	W	-	71.7	68.9	80.3	78.1	89.6	82.8	76.6	72.1
South Carolina										
October 1993	-	-	64.1	63.4	75.8	82.8	86.1	78.0	70.1	69.9
September 1993	-	-	64.1	64.0	76.1	NA	86.6	76.5	70.4	70.9
October 1992	-	-	71.5	68.6	82.3	74.2	92.0	79.3	76.3	71.6
Virginia										
October 1993	-	-	68.4	61.6	78.9	69.7	88.2	74.0	74.7	65.6
September 1993	-	-	68.9	62.7	79.6	73.3	88.8	74.2	75.2	67.2
October 1992	-	W	75.0	73.7	85.3	81.6	94.8	88.5	80.9	78.2
West Virginia										
October 1993	-	-	73.3	64.1	83.5	69.3	89.9	77.0	77.8	67.4
September 1993	-	W	73.7	64.8	84.2	72.4	90.3	77.9	78.3	68.8
October 1992	-	W	80.2	74.0	89.5	79.2	96.9	85.4	84.5	77.2
PAD District II Average										
October 1993	-	-	69.9	68.5	77.0	73.3	83.9	75.8	72.7	69.9
September 1993	78.8	78.4	69.2	69.5	76.6	74.5	83.4	77.1	72.2	71.2
October 1992	84.5	85.9	75.8	76.8	82.9	82.0	89.4	85.3	78.5	78.7
Illinois										
October 1993	-	-	68.9	68.6	74.9	75.3	81.8	76.4	71.6	70.6
September 1993	78.8	80.7	68.7	68.0	75.6	73.5	83.1	76.7	71.7	70.1
October 1992	82.5	76.2	76.2	76.3	84.4	82.0	91.4	85.8	79.5	78.7
Indiana										
October 1993	-	-	66.6	68.2	73.5	74.0	80.0	80.6	69.9	70.7
September 1993	79.6	77.6	67.1	66.3	74.3	71.7	81.1	80.2	70.6	69.9
October 1992	86.4	87.3	75.7	74.3	82.7	80.6	87.8	87.5	78.4	79.3
Iowa										
October 1993	-	-	72.4	72.6	78.6	76.9	83.3	80.2	73.4	72.9
September 1993	74.7	75.5	69.6	72.3	76.3	73.9	79.7	80.0	70.7	72.8
October 1992	82.4	81.5	77.9	81.3	83.2	90.1	87.2	91.4	78.8	81.8
Kansas										
October 1993	-	-	72.8	73.3	80.2	81.5	85.9	77.5	74.5	73.8
September 1993	68.8	NA	69.6	71.1	77.0	73.9	82.4	75.5	71.4	71.7
October 1992	78.7	81.9	76.3	79.5	83.6	87.6	88.3	82.6	78.1	80.1
Kentucky										
October 1993	-	-	68.8	62.5	78.5	NA	86.2	76.1	73.6	65.4
September 1993	W	W	70.0	64.4	79.7	72.4	87.2	77.6	74.7	68.4
October 1992	W	W	74.6	70.3	81.6	79.8	88.9	85.2	78.1	75.3
Michigan										
October 1993	-	-	67.5	65.9	75.7	73.3	82.6	71.8	70.5	67.6
September 1993	79.6	80.3	67.9	66.8	75.9	71.7	82.5	73.1	71.1	68.7
October 1992	87.5	87.5	75.2	75.2	82.7	81.2	90.2	84.9	78.0	78.0
Minnesota										
October 1993	-	-	79.0	76.4	85.2	82.3	91.6	81.5	81.2	78.2
September 1993	80.2	78.0	77.2	76.1	82.2	83.0	90.3	80.8	79.3	77.7
October 1992	83.9	85.5	82.0	81.8	87.0	88.4	92.2	92.5	83.6	83.6
Missouri										
October 1993	-	-	68.8	68.2	77.1	70.9	83.8	74.6	71.8	69.2
September 1993	76.1	74.7	66.5	66.7	75.6	70.8	82.0	73.1	69.8	68.0
October 1992	78.5	79.3	72.8	77.6	82.2	82.4	87.6	92.3	76.0	79.2

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users
by Grade, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
Nebraska										
October 1993	-	-	75.3	74.6	80.7	69.4	83.2	74.8	78.5	74.4
September 1993	77.3	73.2	73.6	72.6	80.2	77.7	82.2	75.5	75.0	73.1
October 1992	87.2	77.1	78.9	74.0	85.6	W	88.8	83.7	80.6	75.6
North Dakota										
October 1993	-	-	83.5	75.4	89.9	84.3	94.9	93.1	84.3	76.3
September 1993	87.3	87.0	81.7	80.8	91.0	79.0	90.3	88.5	83.0	81.7
October 1992	91.5	89.3	85.9	85.1	92.3	90.2	95.3	93.0	86.9	85.7
Ohio										
October 1993	-	-	67.4	65.4	76.5	71.8	84.1	75.5	71.3	68.2
September 1993	77.1	73.6	67.6	67.6	75.8	75.6	82.6	79.7	71.2	71.2
October 1992	80.1	89.6	74.3	72.8	81.9	79.7	88.9	81.7	77.4	75.3
Oklahoma										
October 1993	-	-	69.4	65.6	76.3	67.2	82.3	69.2	71.8	66.2
September 1993	72.1	-	65.2	62.4	72.8	64.6	79.0	67.4	68.0	63.2
October 1992	74.7	W	72.9	68.4	80.1	73.0	85.0	75.7	75.2	69.6
South Dakota										
October 1993	-	-	80.9	81.0	83.2	84.3	93.1	85.1	81.8	82.3
September 1993	84.9	79.5	80.8	77.0	83.7	86.9	91.3	85.0	81.8	79.4
October 1992	89.7	87.6	83.2	84.8	84.3	93.8	96.6	95.4	84.3	86.7
Tennessee										
October 1993	-	-	66.6	57.0	76.9	62.5	85.7	68.6	72.5	60.4
September 1993	W	-	67.3	60.3	77.4	65.8	86.3	70.7	73.1	63.3
October 1992	W	-	72.0	67.5	82.8	74.5	91.2	80.4	77.7	71.0
Wisconsin										
October 1993	-	-	70.1	NA	77.5	77.3	83.5	NA	72.4	65.9
September 1993	78.0	78.2	69.5	71.8	77.1	84.4	82.4	81.8	71.9	73.5
October 1992	83.6	89.5	77.6	78.8	84.5	83.6	89.8	87.7	79.6	80.2
PAD District III Average										
October 1993	-	-	69.4	64.5	78.6	67.6	86.8	72.5	74.0	66.2
September 1993	80.7	NA	70.1	66.7	79.7	69.4	87.9	74.6	75.0	68.4
October 1992	86.8	84.9	75.9	72.8	84.5	74.3	91.9	79.9	80.3	74.3
Alabama										
October 1993	-	-	69.7	62.3	78.3	66.6	87.8	71.0	75.0	64.9
September 1993	W	-	70.1	62.9	78.9	67.9	89.0	73.4	75.7	65.8
October 1992	W	-	76.4	72.9	85.1	76.3	94.0	82.1	80.9	75.4
Arkansas										
October 1993	-	-	68.6	63.9	78.1	67.9	85.8	70.7	72.1	65.4
September 1993	W	-	69.8	63.0	79.2	67.5	86.9	70.7	73.4	64.9
October 1992	72.4	W	73.9	71.8	81.9	76.1	89.1	82.1	77.1	73.5
Louisiana										
October 1993	-	-	69.8	63.9	80.6	71.8	88.6	75.7	75.8	67.9
September 1993	77.4	-	70.4	66.9	81.6	72.5	89.5	77.6	76.6	70.5
October 1992	W	W	75.3	72.7	85.0	76.9	91.9	78.2	80.4	74.7
Mississippi										
October 1993	-	-	66.4	61.8	76.7	66.1	84.6	74.0	71.6	64.6
September 1993	W	NA	67.9	64.2	77.7	69.9	86.3	75.8	73.0	67.1
October 1992	W	-	74.6	74.0	82.6	78.2	90.7	85.1	78.9	76.2
New Mexico										
October 1993	-	-	82.7	75.2	88.7	86.1	96.6	85.8	84.3	76.1
September 1993	85.0	80.4	82.6	80.1	87.9	83.2	95.8	86.1	84.3	80.9
October 1992	88.7	85.9	88.4	82.1	93.5	83.0	100.8	92.7	89.7	84.1
Texas										
October 1993	-	-	68.2	64.4	78.3	65.1	85.9	70.1	73.0	65.2
September 1993	76.2	70.9	69.1	66.6	79.4	67.1	87.1	72.3	74.1	67.4
October 1992	83.9	77.5	75.2	71.6	84.7	72.7	91.7	76.6	80.0	72.5
PAD District IV Average										
October 1993	-	-	78.9	78.8	87.5	73.0	92.5	83.2	81.9	79.1
September 1993	80.0	78.2	77.5	76.7	85.3	68.8	91.1	84.0	80.5	77.5
October 1992	88.7	86.0	84.6	82.7	89.0	83.1	97.1	89.0	87.1	84.2
Colorado										
October 1993	-	-	80.0	76.7	90.0	71.9	98.1	83.7	83.9	77.0
September 1993	84.3	77.9	77.8	73.1	86.9	67.3	95.5	82.3	81.9	74.2
October 1992	89.9	86.2	83.8	80.6	90.1	80.8	99.5	86.9	87.0	82.7

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users
by Grade, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
Idaho										
October 1993	-	-	77.5	80.2	94.7	W	84.5	89.6	78.7	80.7
September 1993	75.5	79.1	75.3	77.1	85.3	-	84.4	86.7	76.6	78.2
October 1992	86.2	85.2	85.7	82.6	W	W	95.7	93.1	86.5	84.1
Montana										
October 1993	-	-	84.4	83.3	W	W	94.3	94.1	85.9	84.0
September 1993	87.0	82.1	86.6	82.0	W	W	97.0	90.2	88.1	82.5
October 1992	92.4	87.3	91.2	86.4	W	W	98.7	96.4	92.3	87.5
Utah										
October 1993	-	-	73.6	72.7	79.7	73.9	86.4	79.2	76.8	74.4
September 1993	76.8	71.6	73.4	71.2	79.3	-	85.2	78.5	76.5	72.6
October 1992	84.7	79.4	81.0	80.1	84.7	W	91.0	85.4	83.4	81.0
Wyoming										
October 1993	-	-	84.1	83.1	87.7	-	93.6	85.5	85.5	83.3
September 1993	83.1	75.5	81.8	80.8	86.7	W	92.2	89.9	83.4	80.6
October 1992	93.0	86.7	92.6	87.5	W	-	101.9	92.8	93.7	87.9
PAD District V Average										
October 1993	-	-	81.3	76.3	85.1	77.0	98.9	87.9	84.5	78.2
September 1993	77.1	79.3	79.6	76.0	82.8	80.5	97.5	89.2	82.5	78.5
October 1992	83.4	84.4	87.7	81.5	92.7	84.4	103.8	92.8	90.2	83.4
Alaska										
October 1993	-	-	106.6	94.0	-	-	111.5	87.8	107.2	92.7
September 1993	97.5	94.0	103.9	94.1	-	-	109.1	91.9	104.2	94.0
October 1992	109.7	NA	116.7	95.2	-	-	115.3	93.6	116.0	99.0
Arizona										
October 1993	-	-	86.0	74.8	93.2	82.6	102.3	NA	88.5	75.9
September 1993	80.4	78.3	84.8	73.2	89.6	73.1	100.7	83.4	86.6	74.4
October 1992	82.9	79.3	87.0	81.6	91.4	-	103.0	92.6	88.2	82.1
California										
October 1993	-	-	77.1	74.5	84.1	77.8	95.8	87.2	81.4	77.2
September 1993	-	-	75.2	74.3	81.7	81.0	94.4	88.5	79.5	77.5
October 1992	W	W	86.4	79.7	92.5	83.9	103.2	92.1	90.2	82.1
Hawaii										
October 1993	-	-	108.0	80.1	111.3	78.2	124.6	93.2	112.5	83.4
September 1993	-	-	107.1	81.0	111.4	78.8	124.7	94.1	112.1	84.5
October 1992	-	-	102.8	84.7	114.8	85.1	120.1	95.0	109.0	87.3
Nevada										
October 1993	-	-	84.8	74.3	86.4	NA	103.7	NA	87.9	73.0
September 1993	79.6	82.2	83.4	72.5	84.2	74.4	100.4	83.0	86.2	73.7
October 1992	88.6	W	89.1	79.3	89.6	76.7	105.0	86.4	91.7	79.9
Oregon										
October 1993	-	-	85.1	80.4	94.0	-	100.9	93.4	87.2	81.7
September 1993	80.5	79.2	84.8	80.1	W	-	101.0	93.8	85.7	81.2
October 1992	85.0	86.2	89.7	86.0	W	-	105.0	98.1	90.3	86.9
Washington										
October 1993	-	-	78.5	77.0	85.9	W	96.4	87.8	81.4	78.5
September 1993	71.4	79.2	77.0	77.1	84.9	W	95.3	88.9	78.4	78.7
October 1992	81.5	81.8	86.1	82.1	-	W	101.5	93.5	87.2	83.6

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller, PAD District, and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Average												
October 1993	76.7	61.6	63.2	74.2	61.3	56.6	76.0	61.5	61.7	74.7	71.5	61.9
September 1993	76.2	62.0	62.9	73.6	61.2	56.3	75.5	61.8	61.5	74.9	72.6	62.7
October 1992	82.3	71.1	72.0	80.4	71.3	64.9	81.8	71.1	70.4	81.2	79.1	71.0
PAD District I Average												
October 1993	76.5	57.3	62.4	71.8	60.0	55.0	75.7	58.1	61.6	73.9	67.4	61.7
September 1993	76.4	57.7	62.0	72.7	60.8	54.1	75.8	58.8	61.2	74.4	68.5	61.5
October 1992	81.8	68.6	72.2	78.6	68.5	64.1	81.3	68.5	71.3	81.5	76.5	71.6
Subdistrict IA Average												
October 1993	80.6	56.1	62.3	-	W	W	80.6	56.9	61.9	76.7	64.5	60.3
September 1993	81.1	57.1	63.1	-	W	53.7	81.1	58.2	62.4	77.7	64.5	61.3
October 1992	89.8	69.2	74.0	-	W	62.8	89.8	67.0	73.3	87.3	74.8	71.8
Connecticut												
October 1993	W	58.9	64.7	-	W	W	W	58.9	64.3	78.3	64.1	60.7
September 1993	W	59.6	64.7	-	W	W	W	58.6	64.2	77.9	63.6	65.2
October 1992	W	72.4	75.1	-	W	W	W	69.0	74.9	87.4	77.2	75.1
Maine												
October 1993	-	W	56.0	-	-	W	-	W	55.9	80.4	67.6	61.4
September 1993	-	W	56.7	-	W	W	-	53.6	56.6	83.1	70.9	60.8
October 1992	-	W	69.1	-	W	W	-	65.8	68.9	89.1	79.2	69.2
Massachusetts												
October 1993	80.0	55.2	62.7	-	W	W	80.0	56.2	62.3	74.3	60.8	59.0
September 1993	80.6	56.8	63.5	-	W	W	80.6	56.3	62.7	75.4	60.2	58.6
October 1992	90.4	68.0	74.7	-	W	W	90.4	68.1	74.1	85.9	71.4	72.5
New Hampshire												
October 1993	78.5	W	63.5	-	W	W	78.5	60.6	62.7	77.8	67.0	65.1
September 1993	79.7	W	63.9	-	W	W	79.7	57.6	63.3	78.6	70.1	65.9
October 1992	W	W	74.0	-	W	W	W	64.9	70.2	88.1	79.5	66.8
Rhode Island												
October 1993	W	W	60.9	-	W	W	77.5	56.8	60.5	NA	69.8	52.9
September 1993	W	W	63.2	-	W	W	77.0	54.4	61.8	73.2	70.6	56.2
October 1992	85.8	W	73.5	-	W	W	85.8	67.4	72.1	85.5	69.9	66.3
Vermont												
October 1993	-	W	64.1	-	W	W	-	W	63.5	83.4	72.7	70.3
September 1993	-	W	W	-	W	W	-	W	65.0	83.0	72.5	70.9
October 1992	-	-	W	-	W	W	-	W	74.4	90.4	78.4	79.3
Subdistrict IB Average												
October 1993	78.3	W	W	72.7	61.3	56.4	77.3	59.6	64.0	74.1	68.0	62.6
September 1993	76.7	57.7	63.4	73.7	64.3	55.1	76.1	60.3	62.7	74.1	68.8	60.7
October 1992	84.9	W	75.4	79.7	70.2	65.1	83.9	70.3	74.3	83.6	77.2	71.2
Delaware												
October 1993	W	54.5	60.4	-	W	W	W	54.6	59.7	69.4	65.4	61.1
September 1993	W	W	60.7	-	-	W	W	W	60.6	70.1	65.9	62.2
October 1992	W	W	74.1	-	-	W	W	W	72.8	82.9	75.8	69.7
District of Columbia												
October 1993	-	W	72.2	-	-	W	-	W	72.1	W	60.1	58.1
September 1993	-	W	71.1	-	-	W	-	W	71.0	W	W	60.3
October 1992	-	W	W	-	-	W	-	W	83.1	W	70.6	68.5
Maryland												
October 1993	-	55.8	64.3	W	W	65.3	W	55.8	64.4	72.0	67.1	60.8
September 1993	-	56.4	64.1	-	W	W	-	56.3	64.2	72.8	67.3	61.6
October 1992	-	69.5	75.9	W	W	76.7	W	69.0	75.9	83.3	76.0	74.2
New Jersey												
October 1993	84.5	59.5	67.0	W	W	53.8	83.8	59.0	65.9	77.5	69.8	NA
September 1993	81.8	56.5	64.3	W	W	51.8	81.4	57.3	63.3	75.5	68.2	57.5
October 1992	93.1	70.6	78.9	W	W	61.9	92.7	69.8	77.0	89.3	77.4	68.5
New York												
October 1993	78.1	61.9	68.9	W	W	55.9	75.8	59.4	67.7	78.2	65.4	62.6
September 1993	76.6	60.0	66.5	W	W	54.5	74.9	59.3	65.5	77.4	66.1	60.7
October 1992	82.5	72.7	76.1	W	W	63.8	80.6	70.3	74.8	84.0	75.3	72.3
Pennsylvania												
October 1993	74.8	58.0	59.3	77.5	65.9	54.5	75.4	62.6	58.8	70.3	70.8	62.4
September 1993	73.4	57.8	59.2	78.5	68.5	53.6	74.4	64.7	58.6	71.4	72.7	63.6
October 1992	82.3	70.5	71.5	84.3	71.6	64.4	82.7	71.3	70.6	81.7	80.2	72.6

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Subdistrict IC Average												
October 1993	75.0	56.5	60.1	71.1	59.5	53.9	74.4	57.2	59.4	73.0	67.5	61.7
September 1993	75.9	W	60.4	72.1	59.3	53.4	75.2	58.1	59.6	73.7	69.2	62.1
October 1992	79.3	67.4	68.7	77.9	67.4	63.5	79.1	67.4	68.1	79.3	76.1	71.7
Florida												
October 1993	77.5	55.8	64.4	71.7	W	54.6	76.9	56.4	63.2	74.9	68.5	61.7
September 1993	78.9	56.6	65.4	74.0	W	55.1	78.4	56.7	64.2	75.4	69.7	63.4
October 1992	80.9	66.6	71.1	80.2	W	64.0	80.8	66.3	70.1	82.5	77.9	72.5
Georgia												
October 1993	71.5	56.5	58.2	70.7	-	53.3	71.4	56.5	57.5	73.3	68.1	59.8
September 1993	72.2	58.1	58.0	70.4	-	52.5	72.0	58.1	57.3	73.0	71.4	60.1
October 1992	74.8	67.3	67.2	74.1	-	63.0	74.8	67.3	66.7	79.0	75.3	72.4
North Carolina												
October 1993	71.1	55.3	56.8	W	-	54.4	69.9	55.3	56.5	69.2	62.5	62.2
September 1993	70.9	55.0	56.4	W	W	52.4	70.4	55.0	56.1	71.9	64.9	62.6
October 1992	77.2	64.0	66.2	W	-	63.0	76.8	64.0	65.9	76.6	72.9	70.7
South Carolina												
October 1993	67.3	56.6	56.4	W	-	52.7	67.0	56.6	56.1	71.8	72.0	59.9
September 1993	67.8	57.0	W	W	W	52.2	67.5	56.9	55.7	71.8	72.0	60.0
October 1992	73.8	66.7	66.3	W	-	62.5	73.7	66.7	65.8	77.8	72.5	71.0
Virginia												
October 1993	81.1	56.5	60.9	W	57.0	53.2	76.8	56.6	60.2	74.2	67.4	63.5
September 1993	81.8	57.7	61.2	W	56.4	52.6	76.9	57.5	60.4	74.7	68.8	63.7
October 1992	86.4	69.5	70.2	W	W	63.7	82.7	68.6	69.5	80.3	79.1	71.2
West Virginia												
October 1993	82.2	W	60.4	W	W	54.5	80.8	66.7	59.4	73.9	67.9	66.3
September 1993	82.9	68.3	60.1	W	W	W	81.4	67.1	59.2	74.2	69.7	67.4
October 1992	87.7	77.2	71.4	W	W	65.4	85.6	76.0	70.3	83.0	77.8	76.1
PAD District II Average												
October 1993	73.3	62.0	60.2	69.9	61.9	58.0	72.3	62.0	59.6	73.0	71.1	63.2
September 1993	72.3	62.0	58.9	69.4	58.7	55.7	71.5	61.8	58.0	72.7	72.5	62.1
October 1992	79.0	70.7	68.3	76.7	67.5	65.0	78.3	70.5	67.4	78.7	79.8	69.6
Illinois												
October 1993	71.8	58.9	60.2	W	-	55.3	70.6	58.9	59.3	72.2	71.2	62.3
September 1993	71.9	58.1	59.5	W	W	54.8	70.9	57.9	58.7	72.2	70.9	60.9
October 1992	81.3	67.8	69.5	W	W	63.7	80.2	67.9	68.6	79.0	79.2	68.5
Indiana												
October 1993	69.8	57.4	58.4	W	W	54.9	69.1	57.0	57.7	70.4	71.2	61.6
September 1993	70.1	56.0	57.6	W	W	54.4	69.3	56.0	57.0	71.5	70.4	60.5
October 1992	79.6	65.7	67.9	W	W	63.9	78.6	65.7	67.1	78.3	79.8	67.1
Iowa												
October 1993	75.2	W	63.7	72.4	-	60.4	73.2	W	62.1	73.5	73.0	65.2
September 1993	70.8	W	60.1	69.1	-	56.7	69.5	W	58.6	70.9	73.0	61.5
October 1992	80.7	W	68.6	78.9	-	66.1	79.3	W	67.6	78.7	82.0	70.1
Kansas												
October 1993	74.2	62.4	63.2	72.1	W	59.5	73.0	62.3	60.7	75.1	75.2	65.0
September 1993	70.8	59.4	59.0	69.1	W	55.4	69.8	58.9	56.4	72.0	73.2	61.5
October 1992	78.0	W	67.8	75.6	W	64.2	76.6	67.0	65.2	78.7	81.1	68.8
Kentucky												
October 1993	75.5	61.5	58.3	72.9	-	53.3	75.3	61.5	57.9	72.6	66.3	63.0
September 1993	75.9	62.8	58.2	72.9	-	54.6	75.7	62.8	58.0	74.2	69.4	63.9
October 1992	77.8	73.9	68.3	76.7	-	64.3	77.7	73.9	68.0	78.4	75.6	71.9
Michigan												
October 1993	70.8	61.3	59.3	W	W	55.7	70.0	61.3	58.8	71.2	70.7	61.3
September 1993	70.6	62.2	59.0	W	W	55.0	69.7	62.1	58.4	72.8	71.4	62.1
October 1992	78.0	70.6	69.1	W	W	66.1	76.9	70.6	68.6	79.1	80.4	70.7
Minnesota												
October 1993	81.4	69.5	68.0	79.9	W	63.3	81.0	68.3	66.0	81.4	78.7	67.1
September 1993	78.0	61.8	62.9	79.4	W	59.6	78.3	61.7	61.6	80.1	78.4	66.2
October 1992	81.4	70.7	71.4	86.5	W	67.6	82.7	70.0	69.9	84.2	84.1	73.1
Missouri												
October 1993	72.4	61.2	61.6	69.4	W	57.4	71.0	61.1	60.2	72.1	70.4	62.4
September 1993	71.1	W	59.3	68.0	W	54.5	69.6	59.9	57.8	69.8	68.7	61.1
October 1992	79.4	68.8	68.8	75.6	W	64.5	77.8	68.8	67.3	75.3	80.1	69.4

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Nebraska												
October 1993	W	W	64.3	73.0	W	61.0	75.3	61.4	62.6	76.7	75.1	65.9
September 1993	W	W	60.0	72.3	W	57.4	74.0	57.7	58.7	75.2	73.5	62.3
October 1992	W	W	69.1	77.7	W	66.5	79.4	66.5	67.7	80.9	75.9	71.4
North Dakota												
October 1993	84.5	W	68.6	W	-	63.8	83.0	W	66.2	84.4	76.4	68.2
September 1993	83.7	63.3	64.7	NA	-	60.3	83.6	63.3	62.4	82.9	81.9	65.4
October 1992	84.4	W	72.0	W	-	69.3	84.1	W	70.7	87.1	85.7	72.3
Ohio												
October 1993	73.1	63.8	59.9	W	W	55.9	72.4	63.9	59.6	68.3	71.0	62.6
September 1993	72.0	64.7	59.4	W	W	55.1	71.5	64.8	59.2	70.4	75.1	61.7
October 1992	77.9	73.2	68.3	W	W	65.0	77.5	73.2	68.1	77.3	76.5	68.2
Oklahoma												
October 1993	73.2	60.2	59.4	70.5	62.6	56.9	72.4	60.9	58.1	71.6	68.8	60.7
September 1993	68.0	57.5	55.9	67.8	W	54.5	68.0	57.4	55.1	68.1	65.3	59.4
October 1992	77.1	65.8	64.8	75.3	65.2	63.2	76.5	65.7	64.1	74.6	71.8	67.1
South Dakota												
October 1993	W	W	67.6	W	W	63.9	76.6	69.4	65.8	82.1	82.9	70.9
September 1993	W	W	63.8	W	W	60.8	76.4	62.1	62.5	82.1	79.5	69.6
October 1992	W	W	70.3	W	W	68.0	W	69.6	69.2	84.5	86.8	73.4
Tennessee												
October 1993	76.1	56.8	57.3	70.7	52.6	53.2	74.1	56.0	56.7	71.5	61.2	62.6
September 1993	75.5	57.6	57.1	72.0	52.3	52.8	74.3	56.7	56.5	72.2	64.3	63.2
October 1992	79.8	65.8	66.6	78.6	65.6	62.9	79.4	65.8	66.0	76.2	71.8	70.6
Wisconsin												
October 1993	70.5	58.9	59.6	W	W	56.8	70.5	58.4	58.7	73.1	66.0	62.3
September 1993	70.2	57.6	58.2	W	W	55.4	70.0	57.0	57.3	72.5	74.0	60.8
October 1992	77.9	66.1	67.4	W	W	65.2	77.2	65.8	66.7	81.0	80.5	68.0
PAD District III Average												
October 1993	77.1	58.2	57.7	72.3	52.9	53.0	75.3	56.2	55.7	73.3	67.9	58.0
September 1993	77.9	59.4	58.3	74.0	51.7	52.5	76.5	57.0	56.0	74.1	69.9	60.8
October 1992	81.7	66.8	65.7	79.6	64.3	62.4	80.9	66.3	64.4	79.9	75.1	69.2
Alabama												
October 1993	76.1	54.3	56.6	69.0	W	52.9	74.5	54.4	55.9	75.1	67.1	66.8
September 1993	75.6	55.3	56.8	72.0	W	52.7	74.7	55.3	56.0	75.9	67.4	68.1
October 1992	81.1	65.4	66.4	79.0	W	62.8	80.6	65.5	65.6	81.1	76.5	76.6
Arkansas												
October 1993	75.4	W	58.0	W	W	54.9	72.8	58.9	56.7	72.0	65.5	58.9
September 1993	75.1	W	56.8	W	W	53.2	73.6	55.7	55.2	73.4	65.0	61.0
October 1992	85.5	W	66.3	W	W	63.4	79.5	65.6	65.2	76.3	73.7	67.6
Louisiana												
October 1993	79.6	55.2	57.6	73.4	81.1	51.8	78.5	55.7	55.2	74.9	69.3	59.5
September 1993	79.8	55.9	59.8	74.7	57.9	52.1	78.9	56.0	57.3	75.8	72.1	65.6
October 1992	83.4	64.1	66.5	80.8	71.2	62.5	82.9	64.3	65.3	78.7	76.7	72.8
Mississippi												
October 1993	W	55.3	55.0	71.8	52.3	51.7	73.0	54.6	54.0	71.5	65.7	61.3
September 1993	W	56.1	55.3	73.7	52.2	52.6	73.4	54.8	54.6	73.0	68.2	62.4
October 1992	W	64.5	63.2	78.8	62.5	62.0	78.7	63.6	62.8	78.9	76.8	68.1
New Mexico												
October 1993	85.9	W	71.2	90.9	W	68.8	89.3	74.3	70.2	82.4	76.3	NA
September 1993	85.4	73.8	68.8	90.6	70.0	64.8	89.1	73.2	67.2	82.3	81.5	73.8
October 1992	89.2	74.3	74.9	92.9	73.9	72.2	91.7	74.2	73.7	88.6	85.3	80.8
Texas												
October 1993	76.7	60.8	57.7	70.7	52.2	52.3	74.5	56.2	55.1	71.4	67.8	56.7
September 1993	77.8	61.4	58.4	72.5	W	51.7	75.8	56.5	55.3	72.3	69.6	58.5
October 1992	81.2	67.5	65.1	78.6	63.5	61.7	80.2	66.3	63.6	79.8	73.1	67.3
PAD District IV Average												
October 1993	82.6	67.9	69.4	84.6	80.8	67.4	83.4	74.7	68.7	80.8	79.4	72.3
September 1993	80.5	65.8	67.4	81.5	73.9	64.9	80.9	68.7	66.5	80.2	78.0	69.7
October 1992	85.9	74.8	74.2	86.9	80.1	71.9	86.3	78.0	73.2	87.6	84.6	76.5

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Colorado												
October 1993	84.6	W	68.9	84.9	W	65.0	84.8	67.6	67.4	82.5	77.3	70.0
September 1993	81.9	W	65.5	81.7	W	60.9	81.8	W	63.6	82.1	74.5	66.1
October 1992	86.3	72.6	74.3	86.8	W	70.5	86.5	71.7	72.5	87.9	83.3	75.5
Idaho												
October 1993	-	W	70.1	W	-	69.3	W	W	69.9	78.7	80.9	NA
September 1993	-	W	68.7	W	-	67.8	W	W	68.4	76.5	78.3	74.3
October 1992	W	W	75.7	W	-	74.8	87.3	W	75.4	86.5	84.2	79.4
Montana												
October 1993	-	W	72.2	W	109.5	71.9	W	108.4	72.1	85.9	83.1	74.5
September 1993	-	W	69.7	W	87.0	68.8	W	85.8	69.4	88.2	82.4	72.9
October 1992	W	W	72.5	W	104.1	72.3	W	102.8	72.4	92.0	86.6	74.2
Utah												
October 1993	77.9	W	67.8	W	W	66.5	77.9	67.5	67.4	76.3	75.4	NA
September 1993	77.4	W	67.1	W	W	65.6	77.4	66.3	66.6	76.1	74.7	70.2
October 1992	83.2	W	74.2	W	W	72.5	83.2	74.9	73.6	83.5	82.2	77.4
Wyoming												
October 1993	W	71.8	71.0	82.7	W	69.1	81.7	73.1	70.0	86.2	84.1	77.3
September 1993	W	W	68.4	81.4	W	66.7	80.2	70.9	67.5	84.0	81.0	71.8
October 1992	W	76.3	72.7	90.9	W	71.6	89.5	75.3	72.1	94.6	89.1	77.2
PAD District V Average												
October 1993	83.2	72.8	72.1	84.6	73.6	60.0	83.6	73.0	70.0	85.7	79.0	67.8
September 1993	81.4	72.0	72.8	80.2	73.9	65.0	81.1	72.4	71.4	84.6	79.3	70.1
October 1992	90.4	77.2	81.5	90.0	78.9	69.3	90.3	77.8	79.6	90.1	84.9	76.4
Alaska												
October 1993	W	W	77.5	104.4	W	W	103.5	W	75.5	125.5	101.2	NA
September 1993	W	W	77.1	100.3	W	W	99.6	W	74.7	123.4	99.2	86.4
October 1992	W	W	85.6	108.4	85.9	W	107.7	86.2	84.1	NA	110.6	97.9
Arizona												
October 1993	90.2	76.6	78.8	W	W	63.1	90.5	73.8	76.7	87.2	76.3	78.0
September 1993	86.7	74.3	76.5	W	W	68.2	87.0	71.7	75.4	86.3	74.9	75.1
October 1992	89.1	W	79.6	W	76.3	70.9	89.3	76.3	78.2	87.6	83.5	79.1
California												
October 1993	81.9	72.3	71.5	80.5	W	58.5	81.5	72.0	69.0	81.2	77.8	64.0
September 1993	81.0	71.2	72.6	75.6	W	64.1	79.5	70.9	71.0	79.5	78.2	68.2
October 1992	91.8	76.3	82.8	86.4	72.7	68.0	90.2	75.7	80.3	90.4	83.9	73.7
Hawaii												
October 1993	W	W	W	W	W	W	109.3	W	95.5	115.3	99.0	106.1
September 1993	W	W	W	W	W	W	107.0	W	95.8	116.6	98.9	105.5
October 1992	W	W	W	W	W	W	109.1	W	95.7	W	108.9	105.8
Nevada												
October 1993	77.9	73.1	70.8	W	W	62.2	77.9	70.2	69.0	89.8	NA	67.2
September 1993	77.5	71.0	70.8	W	W	68.0	77.2	71.3	70.3	88.3	73.9	70.0
October 1992	84.3	79.3	76.2	W	W	72.9	84.0	79.1	75.5	93.7	80.0	78.4
Oregon												
October 1993	88.0	68.7	70.4	W	W	62.8	88.2	68.2	68.9	86.8	82.3	78.1
September 1993	85.9	W	71.3	W	W	64.4	86.2	71.1	70.1	85.5	81.5	74.7
October 1992	90.4	77.0	77.4	W	W	70.7	92.1	84.2	76.5	89.6	87.0	81.4
Washington												
October 1993	79.7	67.7	69.8	W	-	66.2	81.0	67.7	69.5	81.9	78.9	73.3
September 1993	76.0	67.8	70.1	W	-	67.3	76.8	67.8	69.8	81.1	79.3	68.1
October 1992	85.0	76.1	77.4	W	W	71.6	86.4	76.1	76.8	88.4	84.2	78.4

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 31. Refiner/Reseller Leaded Regular Gasoline Prices
by Seller, PAD District, and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Average												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	72.1	68.5	68.3	82.7	W	65.6	75.3	68.9	67.4	79.5	78.6	71.5
October 1992	81.2	81.6	74.3	89.9	NA	70.8	84.0	77.1	73.1	85.3	85.6	77.0
PAD District I Average												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	W	-	-	-	-	W	W	77.4	NA	71.4
October 1992	-	W	W	-	-	-	-	W	W	78.5	81.9	NA
Subdistrict 1A Average												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	W	W
October 1992	-	-	-	-	-	-	-	-	-	-	NA	W
Connecticut												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
Maine												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	W	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
Vermont												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	W	W
October 1992	-	-	-	-	-	-	-	-	-	-	NA	W
Subdistrict 1B Average												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	W	-	-	-	-	W	W	NA	NA	NA
October 1992	-	W	W	-	-	-	-	W	W	W	NA	NA
Delaware												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	W	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	W	-
October 1992	-	-	-	-	-	-	-	-	-	-	W	W
New York												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	-	-	-	-	-	W	-	NA	NA	NA
October 1992	-	W	W	-	-	-	-	W	W	W	W	W
Pennsylvania												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	W	-	-	-	-	W	W	109.2	NA	-
October 1992	-	W	-	-	-	-	-	W	-	-	81.4	W

See footnotes at end of table.

**Table 31. Refiner/Reseller Ledged Regular Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Subdistrict IC Average	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	-	-	-	-	-	W	-	W	W	-
October 1992	-	W	W	-	-	-	-	W	W	W	W	-
Florida	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	W	-	-
Georgia	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	W	-	-
October 1992	-	-	-	-	-	-	-	-	-	W	-	-
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	W	-
October 1992	-	-	-	-	-	-	-	-	-	W	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	W	-	-	-	-	-	W	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	W	-
West Virginia	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	-	-	-	-	-	W	-	-	-	-
October 1992	-	W	-	-	-	-	-	W	-	-	-	-
PAD District II Average	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	W	67.3	W	-	59.3	W	W	60.4	78.8	78.5	65.8
October 1992	85.9	W	68.5	82.1	-	67.6	83.2	W	67.7	84.6	85.9	71.3
Illinois	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	W	-	-	W	78.8	80.7	W
October 1992	-	-	-	-	-	W	-	-	W	82.5	76.2	76.1
Indiana	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	-	-	-	W	-	W	W	79.6	77.6	75.5
October 1992	-	W	-	-	-	W	-	W	W	86.4	87.3	71.2
Iowa	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	W	-	-	W	-	-	74.8	75.5	67.5
October 1992	-	-	-	W	-	-	W	-	-	82.6	81.5	69.8
Kansas	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	68.8	NA	NA
October 1992	-	-	-	W	-	66.5	W	-	66.5	78.5	81.9	W
Kentucky	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	W	W	-	W	W	W	W	W	-	-
October 1992	-	W	W	W	-	W	W	W	74.8	W	-	-
Michigan	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	W	-	-	W	-	-	W	79.6	80.3	64.5
October 1992	-	-	62.8	W	-	W	W	-	68.2	88.1	87.5	75.4
Minnesota	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	-	-	W	-	-	W	-	-	79.9	78.0	NA
October 1992	W	-	-	W	-	-	W	-	-	83.5	85.5	71.0
Missouri	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	76.1	74.7	62.3
October 1992	-	-	-	W	-	-	W	-	-	78.6	79.3	73.6

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Regular Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Nebraska												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	W	W	-	W	W	-	62.7	77.6	73.2	60.5
October 1992	-	-	W	W	-	69.2	W	-	69.4	87.7	77.1	69.3
North Dakota												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	W	-	-	W	-	-	63.4	87.3	87.0	72.0
October 1992	W	-	W	W	-	W	W	-	70.1	91.4	89.3	73.0
Ohio												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	W	-	-	-	-	W	W	NA	W	W
October 1992	-	W	W	-	-	-	-	W	W	80.1	W	-
Oklahoma												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	W	-	-	W	72.1	-	-
October 1992	W	-	W	-	-	65.9	W	-	65.8	74.7	W	68.9
South Dakota												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	W	-	-	67.9	-	-	67.7	84.9	79.5	71.6
October 1992	-	-	W	-	-	70.9	-	-	70.9	89.7	87.6	72.8
Tennessee												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	W	-	-
October 1992	-	-	-	-	-	-	-	-	-	W	-	W
Wisconsin												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	78.0	78.2	60.7
October 1992	-	-	-	-	-	-	-	-	-	83.6	89.5	69.4
PAD District III Average												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	-	67.4	90.1	-	65.5	90.1	-	66.1	79.0	NA	67.0
October 1992	W	W	73.8	89.6	W	70.7	89.3	76.9	71.9	85.9	85.1	81.9
Alabama												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	W	-	-	-	-	-	W	W	-	-
October 1992	-	-	-	-	-	-	-	-	-	W	-	-
Arkansas												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	W	-	-	W	W	-	W
October 1992	-	-	-	-	-	68.4	-	-	68.4	72.4	W	W
Louisiana												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	77.4	-	-
October 1992	-	-	-	-	-	-	-	-	-	W	W	-
Mississippi												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	W	NA	W
October 1992	-	-	-	-	-	-	-	-	-	W	-	-
New Mexico												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	-	67.6	90.0	-	66.6	89.9	-	66.9	83.3	80.4	75.5
October 1992	W	W	74.6	91.0	W	72.6	91.0	W	73.3	87.9	86.1	82.2
Texas												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	66.8	W	-	63.2	W	-	64.3	75.4	70.9	67.5
October 1992	W	-	72.4	W	W	67.4	85.7	W	69.4	83.1	W	77.9
PAD District IV Average												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	W	67.3	81.3	W	66.3	80.6	W	66.8	79.9	78.6	71.5
October 1992	88.2	W	73.1	88.4	W	72.4	88.3	74.6	72.8	88.8	86.1	76.9

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Regular Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Colorado												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	-	67.6	82.2	-	62.3	82.2	-	63.0	85.0	77.9	68.3
October 1992	W	-	W	88.7	-	71.2	88.7	-	72.3	90.9	88.2	77.1
Idaho												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	W	67.5	W	-	67.2	W	W	67.3	75.4	79.1	74.6
October 1992	W	W	74.4	W	-	74.5	83.7	W	74.4	88.3	85.3	79.2
Montana												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	W	W	-	68.1	W	-	68.3	87.1	82.1	72.1
October 1992	W	-	W	W	-	71.9	W	-	71.7	92.2	87.3	73.5
Utah												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	W	64.7	W	W	65.0	W	W	64.8	76.7	73.4	69.3
October 1992	W	W	72.5	W	W	71.9	W	W	72.2	85.0	79.7	77.4
Wyoming												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	W	67.0	80.2	-	66.8	79.1	W	W	83.5	75.6	68.8
October 1992	W	-	72.5	89.8	-	71.4	88.3	-	71.8	93.7	86.7	76.6
PAD District V Average												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	71.9	W	68.6	80.6	W	67.5	73.7	73.6	68.4	79.6	79.4	74.0
October 1992	80.0	W	74.8	91.6	NA	70.6	82.5	73.9	74.2	83.8	84.7	78.0
Alaska												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	W	-	W	W	-	W	W	-	78.6	W	NA	91.9
October 1992	W	-	W	W	W	W	W	W	87.3	NA	NA	101.4
Arizona												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	78.6	W	73.8	W	W	69.0	79.5	74.8	73.0	81.1	78.5	75.2
October 1992	82.5	W	76.2	W	W	70.9	83.2	72.8	75.2	82.9	79.9	77.9
California												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	W
October 1992	W	-	-	-	-	-	W	-	-	-	W	83.3
Hawaii												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
Nevada												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	W	-	-	W	-	-	65.8	79.6	82.2	W
October 1992	W	W	75.8	-	-	W	W	W	75.3	88.6	NA	NA
Oregon												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	77.6	-	68.6	W	-	67.3	78.9	-	68.4	80.9	79.2	75.4
October 1992	83.6	W	74.4	W	-	69.6	86.5	W	73.8	84.6	86.2	80.4
Washington												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	66.2	W	66.2	W	-	66.7	68.3	W	66.3	75.8	79.3	70.6
October 1992	77.1	W	74.2	W	W	70.8	79.9	W	73.7	83.2	81.9	75.7

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller, PAD District, and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Average												
October 1993	71.1	59.6	59.6	71.2	58.9	55.8	71.1	59.5	58.5	71.3	69.7	59.6
September 1993	70.5	59.9	59.2	70.3	59.7	55.2	70.4	59.8	58.1	71.1	70.4	60.1
October 1992	77.2	68.9	68.3	77.4	70.1	63.8	77.3	69.2	67.1	77.8	77.0	68.4
PAD District I Average												
October 1993	68.6	55.3	57.3	67.9	57.8	53.1	68.5	56.0	56.8	68.6	63.9	58.3
September 1993	68.2	55.6	56.8	68.5	59.4	52.4	68.3	56.9	56.3	69.0	64.4	58.0
October 1992	74.7	66.1	67.4	75.1	66.3	62.4	74.7	66.2	66.7	76.4	72.9	68.0
Subdistrict IA Average												
October 1993	72.2	54.3	58.0	-	W	W	72.2	54.9	57.8	71.6	61.4	56.9
September 1993	72.1	54.9	58.7	-	W	52.3	72.1	54.3	58.1	72.6	60.5	58.1
October 1992	81.8	66.0	69.9	-	W	61.2	81.8	64.8	69.1	82.6	72.3	68.3
Connecticut												
October 1993	W	55.8	60.5	-	W	W	W	55.8	60.2	72.0	60.7	56.1
September 1993	W	55.0	59.9	-	W	W	W	53.3	59.6	71.6	60.1	61.4
October 1992	82.6	W	70.7	-	W	W	82.6	65.1	70.5	81.6	73.6	70.8
Maine												
October 1993	-	W	53.4	-	-	W	-	W	53.4	76.7	64.1	59.1
September 1993	-	W	53.9	-	W	W	-	53.4	53.8	79.0	66.9	57.9
October 1992	-	W	66.8	-	W	W	-	65.7	66.6	85.2	77.1	66.3
Massachusetts												
October 1993	71.7	W	58.2	-	W	W	71.7	53.8	57.8	68.7	57.4	56.0
September 1993	71.8	55.1	59.2	-	W	W	71.8	54.3	58.4	69.7	56.2	55.8
October 1992	82.8	65.6	70.4	-	W	W	82.8	64.4	69.9	81.2	68.0	69.6
New Hampshire												
October 1993	70.7	W	59.7	-	W	W	70.7	59.1	59.1	73.1	64.0	61.4
September 1993	71.5	W	60.1	-	W	W	71.5	56.9	59.6	73.8	67.7	62.3
October 1992	W	W	70.6	-	W	W	W	64.3	66.4	83.6	78.8	63.9
Rhode Island												
October 1993	70.2	W	56.6	-	W	W	70.2	55.4	56.3	NA	67.0	50.9
September 1993	69.5	W	56.7	-	W	W	69.5	53.4	57.5	68.8	68.4	53.7
October 1992	78.6	W	69.0	-	W	W	78.6	66.8	67.9	81.0	66.6	63.9
Vermont												
October 1993	-	W	61.0	-	W	W	-	W	60.4	79.2	70.3	66.5
September 1993	-	W	W	-	W	W	-	W	61.6	78.3	69.9	67.4
October 1992	-	-	W	-	W	W	-	W	70.9	86.6	75.4	76.1
Subdistrict IB Average												
October 1993	70.6	56.6	59.1	69.2	58.8	54.3	70.3	57.4	58.5	69.4	64.8	59.5
September 1993	68.5	55.5	57.7	70.3	63.0	53.1	68.9	58.3	57.1	69.3	65.1	57.5
October 1992	77.7	67.9	69.7	76.7	67.7	63.2	77.4	67.8	68.8	78.6	73.6	67.6
Delaware												
October 1993	W	W	56.8	-	-	W	W	W	56.2	64.1	61.6	58.5
September 1993	W	W	56.7	-	-	W	W	W	57.1	65.2	61.7	59.4
October 1992	W	W	69.4	-	-	W	W	W	68.2	77.8	72.4	67.3
District of Columbia												
October 1993	-	W	64.6	-	-	W	-	W	64.6	W	58.1	54.2
September 1993	-	W	64.2	-	-	W	-	W	64.1	W	58.5	58.1
October 1992	-	W	76.1	-	-	W	-	W	75.4	W	66.8	66.5
Maryland												
October 1993	-	53.5	59.3	W	W	63.8	W	53.5	59.8	66.6	62.8	57.3
September 1993	-	54.1	58.9	-	W	W	-	54.1	59.2	67.0	61.8	58.0
October 1992	-	66.7	70.8	W	W	74.0	W	66.3	71.2	77.4	72.0	70.4
New Jersey												
October 1993	74.5	57.3	61.0	W	W	52.2	74.2	56.5	60.0	69.9	64.6	NA
September 1993	71.6	54.4	57.8	W	W	50.1	71.6	54.2	56.9	67.3	63.0	54.2
October 1992	84.7	68.6	72.5	W	W	60.3	84.7	66.8	70.4	81.8	71.8	64.6
New York												
October 1993	70.9	59.5	61.6	W	W	54.2	69.3	57.2	60.7	73.9	63.1	59.7
September 1993	69.3	57.3	60.0	W	W	52.8	68.4	56.6	59.2	72.9	63.7	57.7
October 1992	75.8	69.0	69.7	W	W	62.6	74.6	67.5	68.6	79.5	73.3	68.8
Pennsylvania												
October 1993	68.2	56.2	55.5	73.7	63.0	53.0	69.5	60.0	55.1	65.7	68.0	59.3
September 1993	66.0	56.1	55.0	75.0	66.8	52.2	68.2	62.9	54.6	66.8	69.5	60.4
October 1992	75.8	68.6	67.4	81.2	69.2	62.7	77.1	69.0	66.8	77.4	76.2	69.5

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Subdistrict IC Average												
October 1993	67.0	54.5	55.5	66.8	57.1	52.2	66.9	55.0	55.0	67.3	63.6	58.1
September 1993	67.7	55.8	55.5	67.2	57.3	51.8	67.6	56.1	55.0	67.8	64.7	58.4
October 1992	72.3	65.1	64.6	73.8	65.3	61.9	72.6	65.2	64.2	74.1	72.4	68.3
Florida												
October 1993	68.2	54.1	57.8	68.6	W	52.7	68.0	54.1	57.0	69.4	65.5	58.2
September 1993	69.4	54.7	58.5	68.6	W	53.7	69.3	54.3	57.7	69.8	65.9	58.8
October 1992	73.0	64.1	65.7	75.4	W	62.3	73.3	63.8	65.1	77.2	74.8	68.1
Georgia												
October 1993	64.7	54.6	54.4	66.7	-	51.6	64.9	54.6	53.9	67.0	65.4	56.2
September 1993	65.3	56.9	54.1	65.7	-	50.9	65.3	56.9	53.6	66.8	67.1	56.6
October 1992	68.7	65.4	63.7	70.4	-	61.4	68.9	65.4	63.4	72.9	71.6	68.5
North Carolina												
October 1993	64.8	53.4	53.7	W	-	53.2	64.2	53.4	53.6	63.7	58.4	58.5
September 1993	64.8	54.2	53.3	W	W	51.0	64.3	54.2	53.1	66.3	61.6	59.0
October 1992	72.3	63.4	63.3	W	-	61.5	72.0	63.4	63.1	71.7	69.6	67.4
South Carolina												
October 1993	61.2	54.3	53.5	W	-	51.3	61.2	54.3	53.2	65.6	65.0	56.7
September 1993	61.8	54.4	53.1	W	W	50.9	61.8	54.3	52.8	65.3	64.8	56.9
October 1992	69.0	64.3	63.5	W	-	61.2	69.0	64.3	63.2	72.9	69.5	69.2
Virginia												
October 1993	72.6	54.5	56.3	W	52.8	51.3	69.5	54.3	55.8	68.1	63.1	59.4
September 1993	73.0	56.1	56.5	W	52.7	50.7	69.3	55.7	55.9	68.7	63.8	59.7
October 1992	78.0	66.9	65.9	W	W	62.0	75.8	66.1	65.4	74.7	74.4	67.3
West Virginia												
October 1993	77.0	62.9	57.2	W	W	53.0	76.2	63.6	56.3	69.5	64.4	64.5
September 1993	77.5	63.4	56.7	W	W	W	76.6	63.9	55.9	69.5	65.3	63.8
October 1992	83.1	72.8	68.1	W	W	W	81.5	72.6	67.1	78.5	74.8	72.9
PAD District II Average												
October 1993	69.0	60.0	57.8	67.4	59.9	57.5	68.5	60.0	57.7	70.8	69.7	61.3
September 1993	68.0	59.7	56.4	66.8	57.3	55.1	67.6	59.5	56.0	70.2	70.9	60.2
October 1992	75.2	66.6	66.0	74.1	66.0	64.4	74.8	68.5	65.5	76.5	77.9	67.9
Illinois												
October 1993	66.8	57.8	56.6	W	-	54.7	66.3	57.8	56.2	70.4	69.4	59.8
September 1993	66.6	56.5	55.7	W	W	54.3	66.2	56.3	55.4	70.1	69.0	58.8
October 1992	76.4	66.8	66.0	W	W	63.2	75.7	66.9	65.4	76.5	77.0	66.5
Indiana												
October 1993	66.6	56.6	55.6	W	W	54.0	66.0	56.2	55.2	67.1	68.8	59.3
September 1993	66.7	55.1	54.7	W	W	53.2	66.1	55.1	54.5	67.8	66.9	57.9
October 1992	76.6	65.0	65.2	W	W	62.5	75.7	65.0	64.6	75.7	74.9	65.5
Iowa												
October 1993	73.9	W	62.9	71.3	-	60.2	72.0	W	61.5	72.4	72.7	63.9
September 1993	69.4	W	59.0	67.9	-	56.5	68.2	W	57.8	69.9	72.5	60.5
October 1992	79.4	W	67.7	77.3	-	65.9	77.9	W	67.0	77.9	81.5	69.3
Kansas												
October 1993	70.3	61.0	61.7	70.8	W	59.1	70.6	61.2	59.9	73.7	74.7	63.9
September 1993	66.7	57.9	57.4	67.7	W	54.9	67.4	57.5	55.5	70.5	72.5	60.3
October 1992	73.8	W	66.1	74.1	W	63.7	74.0	65.7	64.4	77.2	80.5	67.7
Kentucky												
October 1993	69.4	58.7	55.3	71.5	-	52.1	69.6	58.7	55.0	68.4	63.6	59.2
September 1993	70.1	59.6	55.2	70.9	-	53.1	70.1	59.6	55.1	69.9	65.6	60.0
October 1992	73.8	70.6	65.7	75.4	-	62.6	74.1	70.6	65.5	74.0	70.3	68.9
Michigan												
October 1993	67.4	58.8	56.8	W	W	54.8	66.9	58.7	56.5	68.3	69.4	59.7
September 1993	67.1	59.2	56.4	W	W	54.0	66.5	59.1	56.0	69.8	69.9	60.6
October 1992	74.6	68.4	66.8	W	W	65.0	73.8	68.4	66.4	76.7	77.7	69.1
Minnesota												
October 1993	78.9	69.0	66.4	77.6	W	62.7	78.6	68.1	64.7	79.5	76.9	66.3
September 1993	75.5	61.4	61.3	77.0	W	59.1	75.9	61.4	60.4	78.1	77.0	65.0
October 1992	79.3	70.3	69.8	84.6	W	67.2	80.6	69.6	68.7	82.8	82.4	72.3
Missouri												
October 1993	66.8	60.4	59.3	66.4	W	56.6	66.6	60.4	58.3	69.8	69.6	60.9
September 1993	65.0	W	56.8	64.8	W	53.7	64.9	59.4	55.7	67.2	67.5	59.4
October 1992	74.0	68.4	66.4	72.4	W	63.7	73.3	68.4	65.3	72.6	78.5	68.0

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Nebraska												
October 1993	W	W	62.9	71.9	W	60.8	74.1	60.9	61.8	75.5	75.2	64.8
September 1993	W	W	59.2	71.3	W	57.2	72.7	57.2	58.1	73.8	73.1	61.3
October 1992	W	W	68.3	75.6	W	66.3	77.6	66.2	67.2	79.2	74.3	69.9
North Dakota												
October 1993	82.4	W	67.1	W	-	63.5	80.8	W	65.2	83.6	75.4	67.8
September 1993	81.6	63.3	63.1	NA	-	60.0	81.6	63.3	61.4	81.7	80.9	64.8
October 1992	82.3	W	70.7	W	-	69.1	82.0	W	69.9	86.1	85.2	72.0
Ohio												
October 1993	68.5	61.7	57.0	W	W	54.6	68.0	61.8	56.8	65.9	68.0	60.9
September 1993	67.7	62.3	56.7	W	W	53.5	67.4	62.5	56.5	68.2	71.2	59.7
October 1992	74.3	70.8	65.9	W	W	63.8	74.0	70.8	65.8	74.8	73.9	66.8
Oklahoma												
October 1993	69.0	58.8	58.4	68.0	58.8	56.3	68.6	58.8	57.2	69.7	68.4	59.3
September 1993	63.5	56.1	54.6	65.0	W	53.9	64.0	55.9	54.2	65.7	64.6	57.8
October 1992	73.1	64.5	63.6	72.9	63.3	62.6	73.1	64.4	63.1	72.8	70.6	65.8
South Dakota												
October 1993	W	W	65.7	W	W	63.5	76.1	67.7	64.5	81.2	81.7	70.0
September 1993	W	W	62.4	W	W	60.2	75.8	62.1	61.4	81.1	77.2	68.1
October 1992	W	W	69.5	W	W	67.7	W	69.6	68.6	83.4	84.9	73.3
Tennessee												
October 1993	68.7	56.0	53.7	65.7	51.3	51.6	67.5	55.1	53.4	66.1	57.4	58.1
September 1993	68.1	57.0	53.5	66.9	W	51.2	67.7	55.8	53.1	67.1	61.2	59.0
October 1992	73.1	64.3	63.4	74.1	65.0	61.3	73.5	64.4	63.0	70.8	68.0	66.9
Wisconsin												
October 1993	66.9	57.2	57.6	W	W	56.1	67.4	57.0	57.1	71.0	NA	61.0
September 1993	66.6	56.7	56.1	W	W	54.6	66.9	56.3	55.6	70.3	72.3	59.3
October 1992	75.1	65.0	65.6	W	W	64.5	74.6	64.9	65.2	79.3	79.1	66.8
PAD District III Average												
October 1993	70.0	56.9	54.9	68.3	51.7	52.1	69.3	54.7	53.6	69.5	66.1	56.4
September 1993	70.6	58.3	55.4	69.7	50.6	51.5	70.2	55.5	53.6	70.0	68.2	58.0
October 1992	75.3	65.5	63.0	75.6	63.6	61.2	75.4	65.0	62.2	76.2	73.6	66.3
Alabama												
October 1993	69.6	52.1	53.2	65.0	W	51.6	68.5	52.1	52.9	69.9	64.1	62.9
September 1993	68.9	53.4	53.4	67.4	W	51.4	68.5	53.4	53.0	70.4	64.3	64.1
October 1992	75.3	63.4	63.4	74.9	W	61.7	75.2	63.3	62.9	76.7	73.8	73.0
Arkansas												
October 1993	69.5	W	55.7	W	W	53.7	68.1	W	54.8	68.8	64.0	56.7
September 1993	69.1	W	54.3	W	-	52.1	68.7	W	53.2	70.0	63.2	59.1
October 1992	81.9	W	63.9	W	W	62.1	75.5	65.1	63.2	73.4	72.0	65.8
Louisiana												
October 1993	71.7	53.6	53.3	68.0	W	50.4	70.9	53.5	51.9	69.4	65.1	55.9
September 1993	71.8	53.7	55.4	69.3	W	50.8	71.3	53.7	53.5	70.2	68.4	62.0
October 1992	76.5	61.9	62.9	75.7	W	61.1	76.3	61.9	62.3	74.8	74.7	69.2
Mississippi												
October 1993	68.2	52.6	52.5	66.8	51.2	50.4	67.7	52.2	51.8	66.4	62.7	59.0
September 1993	67.6	53.4	52.8	69.0	50.5	51.2	68.1	52.3	52.4	67.9	65.2	59.1
October 1992	74.3	62.1	60.8	74.2	61.5	60.7	74.3	61.8	60.8	74.6	74.5	65.1
New Mexico												
October 1993	82.4	W	69.7	89.3	W	68.3	87.3	74.1	69.1	81.0	75.3	NA
September 1993	82.1	72.3	67.4	89.3	70.0	64.0	87.2	71.8	66.0	80.8	80.8	72.9
October 1992	86.1	73.6	73.4	92.1	73.9	71.6	90.2	73.6	72.6	87.5	83.5	79.4
Texas												
October 1993	69.3	59.4	54.9	66.0	51.1	51.5	67.9	54.4	53.1	68.4	67.1	55.6
September 1993	70.3	60.4	55.5	67.7	W	50.8	69.2	54.9	53.1	69.0	68.8	56.1
October 1992	74.6	66.0	62.5	74.4	63.1	60.6	74.5	64.9	61.6	75.9	72.3	64.8
PAD District IV Average												
October 1993	77.4	66.8	67.5	80.9	83.6	66.5	79.1	75.2	67.1	78.8	79.0	70.9
September 1993	75.1	65.3	65.4	77.8	74.3	63.7	76.4	68.5	64.7	78.1	77.3	67.8
October 1992	81.9	74.1	72.5	83.8	80.9	70.9	82.8	78.0	71.8	85.9	83.1	75.3

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Colorado												
October 1993	79.1	W	66.7	81.2	-	64.1	80.2	W	65.5	79.6	77.0	68.8
September 1993	76.0	W	63.1	77.7	-	59.8	77.0	W	61.6	78.9	73.5	64.5
October 1992	81.7	W	71.9	83.5	W	69.1	82.7	70.7	70.6	85.6	81.3	74.2
Idaho												
October 1993	-	W	68.8	W	-	68.6	W	W	68.7	77.5	80.4	NA
September 1993	-	W	67.4	W	-	67.2	W	W	67.3	75.2	77.2	72.8
October 1992	W	W	74.7	W	-	74.4	87.3	W	74.6	85.6	82.7	78.4
Montana												
October 1993	-	W	70.6	W	110.0	70.9	W	108.9	70.7	84.5	82.3	73.1
September 1993	-	W	68.3	W	87.0	67.8	W	85.8	68.1	86.7	81.8	71.6
October 1992	W	W	71.5	W	NA	71.4	W	NA	71.5	90.9	84.8	73.3
Utah												
October 1993	73.1	W	65.5	W	W	65.2	73.2	64.1	65.4	73.7	73.7	NA
September 1993	72.7	W	64.8	W	W	64.3	72.7	65.3	64.7	73.6	73.5	68.4
October 1992	79.9	W	72.5	W	W	71.5	79.9	72.8	72.1	81.5	81.5	76.1
Wyoming												
October 1993	W	71.8	69.3	80.5	W	68.3	79.3	71.6	68.7	84.9	83.8	NA
September 1993	W	W	66.7	79.1	W	65.6	77.8	68.3	66.2	82.5	81.2	69.7
October 1992	W	NA	71.5	89.3	W	70.9	87.8	73.8	71.2	93.6	88.7	75.8
PAD District V Average												
October 1993	78.8	70.5	68.4	82.4	68.7	59.0	79.9	70.2	66.4	83.1	77.1	65.7
September 1993	77.4	69.4	69.2	78.1	71.6	63.6	77.6	69.8	68.1	82.5	76.8	67.8
October 1992	86.7	74.5	78.0	88.1	77.6	68.0	87.1	75.6	76.1	88.5	83.1	73.8
Alaska												
October 1993	W	W	76.1	103.4	W	W	102.5	W	74.3	NA	100.6	NA
September 1993	W	W	75.5	99.3	W	W	98.6	77.2	73.4	NA	99.0	85.3
October 1992	W	W	84.0	107.9	NA	W	107.2	NA	82.7	NA	104.1	96.9
Arizona												
October 1993	86.8	75.8	76.8	W	W	62.6	87.2	73.1	74.6	85.2	75.1	75.9
September 1993	84.2	73.6	74.5	W	W	67.2	84.6	71.0	73.4	85.0	73.7	73.4
October 1992	87.2	W	77.9	W	76.2	70.2	87.3	76.2	76.6	86.8	83.3	77.6
California												
October 1993	76.6	69.3	67.3	77.7	W	57.2	77.0	69.0	65.0	77.6	75.0	61.7
September 1993	75.8	67.7	68.5	72.9	W	62.6	74.9	67.4	67.2	76.1	74.9	65.7
October 1992	87.1	72.9	78.6	84.4	71.5	66.6	86.2	72.6	76.1	86.9	81.5	70.7
Hawaii												
October 1993	W	W	91.6	W	W	W	104.7	71.5	90.1	110.7	92.8	101.9
September 1993	W	W	91.9	W	W	W	101.7	72.4	90.5	111.5	93.0	101.5
October 1992	W	W	91.6	W	W	W	103.2	78.8	90.5	W	104.5	101.2
Nevada												
October 1993	76.4	73.0	67.7	W	W	61.4	76.3	70.1	66.0	86.5	75.6	65.1
September 1993	75.4	70.9	67.7	W	W	67.0	75.1	71.2	67.5	85.3	72.6	68.4
October 1992	82.5	78.9	73.3	W	W	72.1	82.0	78.8	73.0	91.0	79.4	76.3
Oregon												
October 1993	84.9	68.5	68.1	W	W	62.2	85.3	68.1	66.8	85.0	81.0	75.9
September 1993	84.0	W	69.5	W	W	63.1	84.5	70.9	68.3	84.9	80.6	73.0
October 1992	88.9	76.4	76.0	W	W	70.2	90.7	83.9	75.2	89.2	86.1	80.1
Washington												
October 1993	76.0	66.5	66.7	W	-	65.1	77.7	66.5	66.6	79.5	77.4	70.8
September 1993	74.3	67.3	67.8	W	-	66.3	75.2	67.3	67.6	79.8	77.7	NA
October 1992	83.2	74.9	75.3	W	W	70.9	84.8	74.7	74.8	87.9	82.9	76.7

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices
by Seller, PAD District, and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Average												
October 1993	80.7	83.3	85.0	78.4	81.5	88.2	80.3	82.8	84.4	78.1	73.0	86.0
September 1993	80.2	83.8	84.8	77.8	81.5	88.5	79.7	83.2	84.3	78.5	74.1	86.4
October 1992	85.9	73.8	74.1	84.0	70.5	86.7	85.5	72.9	73.4	85.0	80.3	74.9
PAD District I Average												
October 1993	81.4	59.1	64.1	78.6	81.9	57.4	80.8	60.2	63.7	78.1	70.7	65.2
September 1993	81.3	59.2	63.8	78.6	81.5	56.8	81.0	60.1	63.5	78.8	72.0	65.3
October 1992	86.5	71.9	73.5	83.4	70.0	66.7	86.1	71.0	73.1	85.8	78.7	75.1
Subdistrict 1A Average												
October 1993	83.8	62.1	64.7	-	W	W	83.8	58.8	64.2	80.8	66.5	64.7
September 1993	85.5	63.6	65.2	-	W	54.9	85.5	58.8	64.6	81.9	66.5	65.2
October 1992	93.8	76.7	78.1	-	W	W	93.8	71.8	75.7	91.3	76.5	76.9
Connecticut												
October 1993	W	63.3	66.4	-	W	W	W	62.7	65.9	82.6	65.0	68.4
September 1993	W	64.8	65.9	-	W	W	W	63.5	65.3	82.4	63.4	66.1
October 1992	W	81.6	77.7	-	W	W	W	75.8	77.4	91.0	77.9	78.5
Maine												
October 1993	-	W	57.1	-	-	W	-	W	57.0	85.0	70.9	63.2
September 1993	-	W	58.0	-	W	W	-	W	57.9	88.0	73.9	64.5
October 1992	-	W	70.6	-	-	W	-	W	70.3	96.1	79.0	77.5
Massachusetts												
October 1993	83.3	61.2	65.9	-	W	W	83.3	57.5	65.3	78.9	63.3	61.6
September 1993	85.0	W	68.5	-	W	W	85.0	W	68.0	79.7	62.7	62.9
October 1992	94.2	70.9	76.7	-	W	W	94.2	68.6	76.3	89.7	74.1	74.8
New Hampshire												
October 1993	82.6	-	65.2	-	W	W	82.6	W	64.9	84.2	71.3	68.6
September 1993	85.3	-	65.5	-	W	W	85.3	W	65.2	85.1	70.5	68.7
October 1992	W	-	75.1	-	W	W	W	W	W	93.3	73.8	78.8
Rhode Island												
October 1993	80.5	W	62.0	-	-	W	80.5	W	61.7	NA	67.4	58.9
September 1993	80.5	W	64.3	-	-	W	80.5	W	63.1	75.0	68.5	59.5
October 1992	89.3	W	75.1	-	W	W	89.3	W	74.1	87.7	71.3	70.6
Vermont												
October 1993	-	-	66.0	-	-	W	-	-	65.6	87.5	74.0	73.6
September 1993	-	-	W	-	-	W	-	-	66.8	87.1	73.1	74.2
October 1992	-	-	W	-	-	W	-	-	W	94.4	83.0	80.5
Subdistrict 1B Average												
October 1993	83.2	62.2	66.4	W	66.5	61.0	82.5	64.0	66.1	77.5	70.2	66.2
September 1993	81.4	60.8	65.1	W	66.9	61.4	81.1	63.5	W	77.6	70.5	65.2
October 1992	89.6	74.6	76.9	W	73.5	72.0	89.0	74.0	76.7	88.1	79.1	76.1
Delaware												
October 1993	W	56.3	61.6	-	W	W	W	56.6	61.0	74.0	67.8	63.5
September 1993	W	W	61.9	-	-	W	W	W	61.8	73.0	68.6	64.5
October 1992	W	W	74.1	-	-	W	W	W	72.9	85.8	77.3	71.4
District of Columbia												
October 1993	-	W	70.5	-	-	-	-	W	70.5	W	64.6	61.4
September 1993	-	W	67.6	-	-	-	-	W	67.6	W	62.3	60.7
October 1992	-	W	80.9	-	-	-	-	W	80.9	W	68.8	75.3
Maryland												
October 1993	-	57.1	65.5	W	-	W	W	57.1	65.2	76.3	72.1	63.4
September 1993	-	57.9	65.0	-	-	W	-	57.9	65.2	77.5	72.5	64.2
October 1992	-	NA	76.3	W	-	77.7	W	NA	76.5	88.7	81.1	76.8
New Jersey												
October 1993	89.9	65.7	69.6	-	W	56.5	89.9	60.7	69.3	84.1	71.4	68.5
September 1993	86.7	61.2	66.5	-	W	54.5	86.7	59.1	66.1	82.0	71.1	NA
October 1992	96.4	74.2	81.4	W	W	65.9	96.3	70.1	81.0	93.6	81.4	78.6
New York												
October 1993	83.3	71.9	70.9	W	W	W	81.3	66.9	70.7	82.6	66.6	68.4
September 1993	81.7	67.5	68.2	W	W	56.7	80.4	65.1	68.0	82.3	66.6	66.7
October 1992	87.4	83.5	77.6	W	W	W	86.1	74.3	W	89.7	75.2	73.7
Pennsylvania												
October 1993	79.9	61.5	60.9	W	74.1	58.0	80.2	70.4	60.8	74.2	72.2	66.1
September 1993	78.6	60.5	61.7	W	74.7	58.1	79.1	70.2	61.6	74.9	72.8	67.6
October 1992	87.6	70.6	73.5	W	W	68.0	87.7	77.8	73.3	85.7	80.6	74.9

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Subdistrict IC Average												
October 1993	80.2	57.6	62.3	75.8	60.7	55.3	79.6	58.6	61.9	77.7	72.8	65.0
September 1993	80.9	58.2	62.5	78.5	59.6	54.6	80.6	58.6	62.1	78.5	75.3	65.3
October 1992	84.4	69.2	70.4	82.9	68.2	64.9	84.2	68.8	69.9	83.8	78.9	74.1
Florida												
October 1993	82.5	56.8	66.2	W	W	56.3	82.0	58.1	65.3	81.0	71.5	64.8
September 1993	83.5	57.1	67.3	W	W	55.3	83.3	57.3	66.4	81.5	72.1	66.4
October 1992	85.7	68.3	71.9	84.4	W	65.3	85.6	67.5	71.2	88.1	77.8	74.1
Georgia												
October 1993	76.6	57.0	60.4	74.1	-	54.6	76.4	57.0	60.0	77.0	73.0	62.4
September 1993	77.3	57.8	60.1	74.4	-	53.7	77.0	57.8	59.8	77.1	74.4	62.8
October 1992	79.9	67.8	69.0	78.2	-	64.6	79.7	67.8	68.6	83.4	76.8	74.0
North Carolina												
October 1993	76.5	W	58.5	W	-	54.8	75.3	W	58.4	73.5	68.6	65.3
September 1993	76.3	56.3	58.2	W	-	54.0	76.9	56.3	58.1	76.3	71.1	65.4
October 1992	82.5	67.5	68.3	W	-	64.7	82.4	67.5	68.1	80.0	78.8	73.7
South Carolina												
October 1993	73.2	58.3	58.5	W	-	54.1	73.0	58.3	58.3	77.4	NA	63.6
September 1993	73.2	W	58.1	W	-	53.6	73.1	W	57.8	77.5	NA	63.6
October 1992	79.4	W	68.4	W	-	64.0	79.3	W	W	84.1	74.7	71.9
Virginia												
October 1993	85.3	57.4	63.1	W	W	54.0	81.8	58.2	62.6	78.0	72.4	67.8
September 1993	85.9	57.3	63.4	W	W	53.8	82.2	57.4	63.1	78.8	75.8	67.9
October 1992	90.3	68.6	71.8	W	W	64.4	87.5	68.2	71.4	84.4	83.0	75.8
West Virginia												
October 1993	88.9	71.2	62.1	W	W	W	87.2	70.8	61.7	78.2	68.7	72.4
September 1993	90.1	70.4	62.0	W	W	W	87.9	69.7	61.7	78.7	73.8	70.8
October 1992	91.9	80.7	72.7	W	W	W	90.3	79.4	72.6	88.1	79.1	78.4
PAD District II Average												
October 1993	78.1	65.3	63.2	75.6	67.8	58.7	77.7	65.4	62.9	76.3	74.1	66.7
September 1993	77.1	66.3	62.6	75.2	67.2	58.1	76.8	66.3	W	76.5	75.3	66.6
October 1992	83.3	75.8	72.1	82.8	74.6	66.8	83.2	75.7	W	82.6	82.6	74.2
Illinois												
October 1993	76.5	W	65.1	W	-	59.0	75.6	W	65.0	74.4	75.4	67.8
September 1993	76.9	W	64.8	W	-	58.0	76.1	W	64.7	75.3	73.6	66.9
October 1992	86.2	W	74.7	W	-	68.2	85.7	W	74.5	83.3	82.1	78.4
Indiana												
October 1993	73.6	W	62.1	W	-	58.2	73.1	W	61.8	73.7	74.1	66.1
September 1993	73.8	W	61.8	W	-	W	73.4	W	61.3	74.9	71.8	65.9
October 1992	83.5	W	71.8	W	-	W	82.9	W	71.5	82.5	80.6	72.4
Iowa												
October 1993	W	W	64.6	W	-	W	W	W	64.5	78.7	77.2	70.4
September 1993	W	-	64.7	W	-	W	W	-	64.7	76.6	73.9	67.3
October 1992	-	-	73.1	82.4	-	W	82.4	-	73.1	83.7	90.1	72.6
Kansas												
October 1993	80.2	W	68.9	79.0	-	64.6	80.0	W	68.7	80.2	NA	70.9
September 1993	76.6	-	65.4	75.0	-	60.2	76.3	-	65.2	77.4	73.9	69.1
October 1992	83.0	W	73.3	83.7	-	68.2	83.1	W	72.9	83.9	90.5	72.4
Kentucky												
October 1993	81.8	70.3	60.0	78.0	-	54.7	81.7	70.3	59.9	76.6	NA	66.4
September 1993	81.9	W	59.8	80.9	-	53.6	81.9	W	59.7	78.3	72.5	67.7
October 1992	81.1	W	70.3	81.1	-	64.6	81.1	W	70.1	82.0	79.7	75.2
Michigan												
October 1993	75.8	W	62.8	W	W	W	76.0	66.3	62.5	75.3	73.8	64.9
September 1993	75.2	W	62.6	W	-	W	75.3	W	62.4	76.8	72.6	65.6
October 1992	83.1	W	71.9	W	-	W	83.0	W	71.8	82.4	82.0	74.1
Minnesota												
October 1993	86.8	W	74.8	86.2	-	W	86.7	W	73.4	84.0	82.4	66.7
September 1993	82.6	W	69.3	85.7	-	W	83.2	W	68.2	81.3	83.1	69.3
October 1992	84.8	W	78.9	90.1	-	W	86.2	W	78.9	88.3	88.5	75.6
Missouri												
October 1993	78.9	W	65.7	75.9	-	55.7	77.9	W	65.1	76.6	71.0	65.2
September 1993	77.6	-	64.9	74.7	-	54.6	76.7	-	64.2	75.0	70.8	65.3
October 1992	84.9	W	73.9	83.1	-	67.5	84.4	W	73.4	80.9	82.9	74.6

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Nebraska												
October 1993	W	-	W	W	-	W	78.7	-	W	80.8	69.4	70.3
September 1993	W	-	-	W	-	W	77.2	-	W	80.4	77.7	65.9
October 1992	W	-	W	W	-	W	80.6	-	W	89.5	W	77.3
North Dakota												
October 1993	W	-	W	-	-	-	W	-	W	89.8	NA	73.6
September 1993	W	-	W	-	-	-	W	-	W	91.4	79.0	69.7
October 1992	91.2	-	W	-	-	-	91.2	-	W	92.8	90.2	78.7
Ohio												
October 1993	77.9	W	63.9	72.2	W	W	77.6	64.9	63.6	72.4	75.0	66.3
September 1993	76.6	W	63.9	73.0	W	W	76.4	66.6	63.8	73.5	79.4	65.2
October 1992	82.2	76.0	72.5	79.3	W	68.5	82.1	76.0	72.3	81.3	81.2	70.7
Oklahoma												
October 1993	77.9	W	62.9	75.1	W	62.6	77.2	W	62.8	75.5	67.4	NA
September 1993	72.4	W	58.7	72.4	W	57.6	72.4	58.5	58.5	73.1	65.7	66.6
October 1992	81.0	W	68.4	79.6	W	67.4	80.7	67.7	68.3	79.4	74.6	72.6
South Dakota												
October 1993	W	-	W	W	-	-	W	-	W	83.2	84.3	74.9
September 1993	W	-	W	W	-	-	W	-	W	83.7	86.9	NA
October 1992	W	-	W	-	-	-	W	-	W	84.3	93.8	72.2
Tennessee												
October 1993	80.1	58.0	59.4	W	W	55.3	78.9	57.7	59.1	75.7	63.0	65.1
September 1993	79.5	57.7	59.4	W	W	54.8	78.8	57.2	59.1	76.3	66.7	65.3
October 1992	84.4	68.7	68.5	W	W	64.5	84.1	68.0	68.0	81.6	75.1	73.1
Wisconsin												
October 1993	78.3	-	63.5	W	-	58.3	77.8	-	62.5	77.4	77.3	66.6
September 1993	78.0	-	62.4	W	-	W	77.2	-	61.9	77.0	84.4	65.4
October 1992	82.8	-	71.7	81.1	-	W	82.4	-	71.3	86.3	83.6	72.2
PAD District III Average												
October 1993	81.3	55.6	60.0	77.1	54.2	55.8	80.0	55.2	59.1	77.7	69.8	63.8
September 1993	82.0	56.6	60.3	78.7	53.6	54.9	80.9	55.8	59.3	78.7	71.0	65.3
October 1992	85.7	65.4	68.7	84.4	64.0	65.1	85.2	65.1	67.9	83.9	75.4	73.8
Alabama												
October 1993	80.1	55.0	58.7	72.5	W	54.7	78.7	54.9	58.3	78.2	71.7	68.8
September 1993	79.4	55.7	59.0	76.1	W	54.2	78.8	55.6	58.6	78.9	70.8	70.1
October 1992	85.5	65.1	68.4	83.6	W	64.8	85.2	65.1	67.9	85.0	78.7	77.6
Arkansas												
October 1993	80.1	-	59.2	W	W	56.5	80.0	W	58.5	77.3	68.0	60.9
September 1993	79.2	-	58.3	W	W	55.1	80.8	W	W	78.6	67.5	61.7
October 1992	88.3	-	68.0	W	W	65.7	85.4	W	67.4	80.4	76.4	70.1
Louisiana												
October 1993	84.3	W	61.0	79.7	-	55.0	83.6	W	60.0	79.5	74.0	66.2
September 1993	84.2	W	61.9	80.2	-	55.1	83.5	W	60.7	80.8	73.8	66.9
October 1992	87.3	W	69.3	87.3	W	65.5	87.3	65.0	68.5	83.0	81.4	77.1
Mississippi												
October 1993	79.1	56.1	57.7	76.8	54.3	54.4	78.3	55.9	57.1	76.5	67.2	64.6
September 1993	77.9	W	57.6	78.6	54.7	54.4	78.2	56.3	57.0	77.7	71.6	67.2
October 1992	83.4	65.6	67.7	83.5	64.8	64.9	83.5	65.3	66.9	82.5	79.2	72.5
New Mexico												
October 1993	W	-	77.3	-	-	69.9	W	-	75.4	87.1	NA	NA
September 1993	W	-	74.2	-	-	66.7	W	-	72.5	86.5	NA	71.0
October 1992	W	-	79.6	-	-	77.8	W	-	79.2	93.3	NA	79.7
Texas												
October 1993	80.7	W	60.3	76.8	54.2	55.8	79.5	55.2	59.2	76.5	67.7	63.0
September 1993	81.8	W	60.7	78.3	53.3	54.7	80.7	55.7	59.4	77.5	68.9	64.4
October 1992	85.2	65.8	68.8	84.3	W	64.6	84.9	65.2	67.8	84.4	73.3	73.0
PAD District IV Average												
October 1993	86.5	W	71.2	W	-	69.1	88.0	W	71.1	86.4	73.0	NA
September 1993	84.3	-	68.7	W	-	65.5	85.3	-	68.5	85.1	68.8	70.0
October 1992	87.9	W	78.6	W	-	72.3	89.1	W	76.2	88.5	83.1	75.6

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Colorado												
October 1993	89.1	-	72.1	W	-	68.5	89.9	-	71.8	90.3	71.9	NA
September 1993	86.0	-	68.3	W	-	64.1	86.6	-	68.0	87.7	67.3	67.7
October 1992	89.2	W	78.9	W	-	72.1	90.2	W	75.9	89.8	80.8	75.4
Idaho												
October 1993	-	-	W	-	-	-	-	-	W	NA	W	NA
September 1993	-	-	W	-	-	-	-	-	W	85.3	-	NA
October 1992	-	-	-	-	-	-	-	-	-	W	W	W
Montana												
October 1993	-	-	-	-	-	-	-	-	-	W	W	W
September 1993	-	-	-	-	-	-	-	-	-	W	W	-
October 1992	-	-	-	-	-	-	-	-	-	W	W	-
Utah												
October 1993	80.1	W	70.0	W	-	71.7	80.1	W	70.1	79.3	W	NA
September 1993	79.7	-	70.3	-	-	W	79.7	-	70.5	78.7	-	71.4
October 1992	84.9	-	W	-	-	W	84.9	-	78.0	84.2	W	75.2
Wyoming												
October 1993	-	-	W	W	-	-	W	-	W	88.0	-	W
September 1993	-	-	W	W	-	-	W	-	W	86.7	W	W
October 1992	-	-	W	-	-	-	-	-	W	W	-	77.6
PAD District V Average												
October 1993	84.8	73.5	74.3	82.2	W	61.9	84.1	73.7	72.5	87.2	NA	73.4
September 1993	83.3	73.5	75.0	76.2	W	66.6	81.5	73.8	74.0	85.8	82.0	75.6
October 1992	93.5	78.6	84.0	83.6	W	70.8	91.9	78.8	83.2	94.3	87.0	79.5
Alaska												
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
September 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1992	-	-	-	-	-	-	-	-	-	-	-	-
Arizona												
October 1993	W	-	73.2	-	-	W	W	-	73.4	93.2	NA	79.8
September 1993	82.8	-	76.1	-	-	W	82.8	-	76.2	90.5	73.1	76.3
October 1992	90.5	-	82.5	-	-	W	90.5	-	82.5	91.5	-	80.1
California												
October 1993	84.6	72.9	73.9	81.6	-	61.9	83.8	72.9	72.1	85.0	78.5	72.7
September 1993	83.1	72.6	74.6	75.5	W	66.6	81.2	72.6	73.6	83.2	82.3	75.9
October 1992	93.4	77.7	84.0	82.5	W	70.7	91.6	77.6	83.2	94.4	86.4	79.1
Hawaii												
October 1993	W	W	97.0	W	W	W	110.1	W	96.8	112.5	NA	W
September 1993	W	W	97.1	W	W	W	109.2	W	97.0	113.6	NA	W
October 1992	W	W	96.9	W	W	W	116.8	W	96.8	W	W	W
Nevada												
October 1993	69.9	-	72.1	W	-	-	71.7	-	72.1	89.7	NA	73.8
September 1993	70.5	W	72.4	W	-	-	71.6	W	72.4	87.4	74.4	72.6
October 1992	NA	W	76.8	W	-	W	NA	W	76.8	93.1	W	85.0
Oregon												
October 1993	W	-	-	-	-	-	W	-	-	W	-	-
September 1993	W	-	-	-	-	W	W	-	W	W	-	-
October 1992	W	-	W	-	-	-	W	-	W	-	-	-
Washington												
October 1993	W	W	W	-	-	-	W	W	W	W	NA	NA
September 1993	W	-	W	-	-	-	W	-	W	W	W	W
October 1992	-	-	W	-	-	-	-	-	W	-	W	W

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 34. Refiner/Reseller Premium Gasoline Prices
by Seller, PAD District, and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Average												
October 1993	90.6	68.7	72.5	86.1	68.7	61.9	89.7	68.7	71.1	87.1	78.6	70.7
September 1993	90.1	69.7	72.2	85.7	66.8	61.6	89.2	68.9	70.9	87.4	80.1	71.3
October 1992	95.2	78.8	81.7	93.0	77.0	70.6	94.7	78.3	80.2	93.3	85.9	80.5
PAD District I Average												
October 1993	91.2	64.1	72.1	83.9	64.4	60.6	90.3	64.2	71.2	87.7	75.3	70.0
September 1993	90.7	64.8	71.8	85.5	64.6	59.9	90.1	64.7	70.9	88.1	77.3	70.2
October 1992	95.6	75.7	81.5	92.0	74.2	70.1	95.2	75.0	80.6	95.0	84.6	81.4
Subdistrict IA Average												
October 1993	95.1	64.0	70.9	-	W	W	95.1	62.3	70.4	89.3	70.6	70.5
September 1993	95.2	68.4	71.9	-	W	59.8	95.2	61.9	71.4	90.2	72.5	70.2
October 1992	103.3	77.7	82.4	-	W	W	103.3	73.4	81.8	99.6	79.2	83.9
Connecticut												
October 1993	W	W	71.3	-	W	W	W	61.9	71.0	92.3	71.9	75.7
September 1993	W	W	73.5	-	W	W	W	61.6	73.0	92.1	73.4	73.0
October 1992	W	77.8	81.8	-	W	W	W	73.5	81.5	101.2	81.8	87.3
Maine												
October 1993	-	W	62.9	-	-	W	-	W	62.8	92.9	74.8	69.7
September 1993	-	W	65.5	-	W	W	-	W	65.2	95.7	75.7	71.4
October 1992	-	W	77.1	-	-	W	-	W	76.8	101.2	85.9	82.1
Massachusetts												
October 1993	94.4	NA	72.7	-	W	W	94.4	W	72.0	87.5	66.5	67.4
September 1993	94.8	73.3	71.9	-	W	W	94.8	W	71.4	88.3	68.9	67.3
October 1992	103.7	78.5	83.3	-	W	W	103.7	73.6	82.9	98.3	75.3	81.6
New Hampshire												
October 1993	93.6	-	73.8	-	W	W	93.6	W	72.5	92.1	78.8	75.9
September 1993	93.2	-	73.7	-	W	W	93.2	W	72.9	92.4	78.0	75.9
October 1992	W	-	84.1	-	W	W	W	W	83.0	101.6	89.2	85.8
Rhode Island												
October 1993	89.8	W	70.1	-	W	W	89.8	63.7	69.5	NA	77.2	61.6
September 1993	88.4	W	72.2	-	W	W	88.4	61.3	71.2	81.3	77.9	61.8
October 1992	98.2	W	83.9	-	-	W	98.2	W	81.6	94.6	77.4	76.2
Vermont												
October 1993	-	-	72.1	-	-	W	-	-	71.2	95.1	79.8	80.0
September 1993	-	-	W	-	-	W	-	-	73.4	96.4	80.7	80.3
October 1992	-	-	W	-	-	W	-	-	W	101.5	85.7	89.4
Subdistrict IB Average												
October 1993	93.1	66.7	74.5	86.8	66.3	62.9	92.4	66.5	73.8	86.8	76.7	70.3
September 1993	91.0	65.6	73.1	87.8	67.8	62.1	90.6	66.6	72.5	86.8	77.8	69.2
October 1992	99.4	78.8	84.5	94.8	76.6	71.4	99.0	77.4	83.6	96.6	85.2	80.9
Delaware												
October 1993	W	W	69.4	-	-	59.0	W	W	69.2	82.2	79.0	68.4
September 1993	W	W	69.9	-	-	W	W	W	69.7	82.9	77.3	70.1
October 1992	W	W	81.0	-	-	W	W	W	80.1	95.7	86.0	76.4
District of Columbia												
October 1993	-	W	77.4	-	-	-	-	W	77.4	W	W	64.4
September 1993	-	W	76.6	-	-	W	-	W	76.6	W	W	65.1
October 1992	-	W	89.8	-	-	-	-	W	89.8	W	78.3	73.6
Maryland												
October 1993	-	63.4	72.0	W	W	71.0	W	63.4	71.9	82.6	77.2	67.8
September 1993	-	64.2	72.4	-	-	73.7	-	64.2	72.5	83.5	78.8	69.0
October 1992	-	77.8	84.3	W	-	84.6	W	77.8	84.3	95.8	85.8	82.5
New Jersey												
October 1993	98.7	68.0	74.2	W	W	59.2	98.3	64.6	73.5	91.8	78.0	NA
September 1993	95.7	64.4	72.9	W	W	58.2	95.4	64.2	72.2	90.2	76.5	66.6
October 1992	105.6	78.4	86.7	W	W	69.4	105.4	75.4	85.8	100.9	83.9	80.5
New York												
October 1993	93.4	69.8	81.1	W	W	61.5	91.9	66.1	79.8	92.1	72.9	71.9
September 1993	90.9	68.1	77.6	W	W	59.1	89.9	66.8	76.4	91.3	73.6	69.3
October 1992	97.1	80.6	86.0	W	W	68.7	96.2	76.1	84.9	98.2	81.4	80.2
Pennsylvania												
October 1993	88.2	70.1	68.0	90.5	76.7	62.1	88.5	73.9	67.6	81.9	79.7	70.9
September 1993	86.8	69.4	68.2	91.2	75.3	63.4	87.4	73.3	67.9	83.1	82.1	72.2
October 1992	96.5	81.0	80.0	98.6	82.2	70.2	96.8	81.8	79.1	93.2	91.2	81.8

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Subdistrict IC Average												
October 1993	89.5	82.9	69.7	82.3	63.6	59.2	88.5	63.1	68.7	87.6	75.3	69.6
September 1993	90.1	84.0	70.1	84.3	63.7	58.5	89.4	63.9	69.1	88.1	78.1	71.0
October 1992	92.6	74.3	77.5	90.6	72.0	69.1	92.3	73.6	76.8	93.3	85.2	80.9
Florida												
October 1993	91.0	W	75.0	84.4	W	60.8	90.5	61.7	73.9	89.9	76.5	NA
September 1993	92.0	W	76.5	86.2	W	61.0	91.6	62.3	75.3	90.6	79.8	73.0
October 1992	92.9	71.5	80.6	92.4	W	69.9	92.9	71.2	79.7	96.7	85.1	83.2
Georgia												
October 1993	85.8	61.8	66.7	79.6	-	59.1	85.2	61.8	65.8	87.9	NA	68.9
September 1993	86.0	62.5	66.6	81.0	-	58.0	85.5	62.5	65.6	86.7	81.2	69.1
October 1992	88.8	72.8	75.6	85.8	-	68.6	88.5	72.8	74.8	93.8	83.6	82.1
North Carolina												
October 1993	86.5	61.8	64.6	W	-	58.1	84.3	61.8	63.9	83.7	70.9	71.5
September 1993	86.2	65.8	64.2	W	W	57.7	85.2	65.1	63.7	86.1	74.0	71.4
October 1992	90.6	75.7	73.5	W	-	68.5	90.4	75.7	73.1	89.5	82.9	79.6
South Carolina												
October 1993	83.4	63.0	64.5	W	-	58.1	82.8	63.0	63.9	87.8	80.0	69.3
September 1993	83.3	65.1	64.1	W	-	57.8	82.8	65.1	63.5	88.5	77.4	68.1
October 1992	89.3	73.5	74.4	W	-	68.2	89.1	73.5	73.8	93.6	80.6	77.4
Virginia												
October 1993	93.3	63.0	69.7	W	60.6	58.1	89.3	62.6	68.6	87.9	76.0	72.4
September 1993	93.8	63.2	69.9	W	61.0	56.4	90.4	62.9	68.4	88.2	76.0	71.7
October 1992	98.6	76.6	78.3	W	W	68.7	96.1	75.4	77.5	94.2	89.9	80.3
West Virginia												
October 1993	96.0	75.5	69.1	91.7	W	61.7	94.5	75.3	68.1	85.5	77.9	77.7
September 1993	96.8	77.3	68.7	91.8	W	W	95.0	75.6	67.7	85.8	79.0	76.5
October 1992	101.1	85.3	79.4	95.0	W	73.5	98.8	85.4	78.6	94.8	85.3	85.4
PAD District II Average												
October 1993	86.3	70.2	68.3	79.7	67.4	62.7	84.6	69.8	67.4	83.4	77.3	71.0
September 1993	85.1	70.6	67.2	79.5	64.4	61.1	83.6	70.2	66.3	83.3	78.6	69.8
October 1992	91.0	79.0	76.7	88.0	72.3	70.7	90.2	78.6	75.8	88.7	86.7	77.1
Illinois												
October 1993	84.8	74.3	70.1	W	-	58.9	81.6	74.3	68.6	81.9	76.4	70.9
September 1993	85.5	71.9	69.3	W	W	60.0	83.5	71.4	68.7	82.7	77.1	67.0
October 1992	94.1	80.2	79.2	W	-	67.8	92.9	80.2	78.0	89.9	85.9	76.2
Indiana												
October 1993	79.6	66.2	67.4	W	W	58.6	78.4	63.6	65.8	81.3	80.8	69.1
September 1993	79.9	61.9	66.4	W	W	59.5	78.9	61.6	65.6	82.7	80.5	69.8
October 1992	89.4	W	77.1	W	W	69.4	88.2	71.5	76.0	87.4	87.7	74.7
Iowa												
October 1993	86.5	-	71.0	80.8	-	66.7	82.6	-	70.1	83.4	80.2	74.0
September 1993	81.8	-	68.9	78.0	-	63.2	79.2	-	67.8	79.8	80.0	67.7
October 1992	90.3	-	74.9	87.2	-	72.3	88.1	-	74.4	86.9	91.4	77.8
Kansas												
October 1993	90.0	W	70.9	82.2	W	66.5	85.8	W	68.8	85.9	79.4	70.4
September 1993	86.4	W	66.6	79.1	W	62.7	82.4	64.6	64.6	82.4	79.1	68.8
October 1992	91.9	W	75.2	84.2	W	70.7	87.8	W	72.9	88.6	85.5	76.2
Kentucky												
October 1993	89.7	69.5	66.2	80.0	-	61.7	89.2	69.5	66.0	84.6	77.6	72.7
September 1993	89.6	71.2	66.0	81.9	-	61.7	89.2	71.2	65.8	86.1	78.8	74.0
October 1992	88.3	85.9	76.3	81.9	-	71.9	87.6	85.9	76.0	89.7	85.1	81.2
Michigan												
October 1993	84.3	69.5	68.2	W	W	62.1	83.4	69.4	67.5	81.9	75.4	68.7
September 1993	83.5	70.7	67.7	W	W	61.4	81.7	70.6	67.0	83.5	77.2	68.9
October 1992	91.0	78.2	77.8	W	-	73.4	90.3	78.2	77.3	90.0	90.7	78.2
Minnesota												
October 1993	93.0	W	77.0	91.4	W	66.8	92.6	66.5	73.7	NA	82.5	NA
September 1993	89.4	W	71.5	91.3	W	65.8	89.9	W	70.2	90.6	80.8	72.7
October 1992	91.9	W	80.6	96.0	W	73.4	92.9	74.6	78.2	91.8	92.8	78.0
Missouri												
October 1993	88.8	67.6	69.4	82.0	-	63.3	85.8	67.6	67.8	82.7	75.7	68.8
September 1993	87.6	W	67.1	80.6	-	60.3	84.6	W	65.6	80.5	74.0	67.3
October 1992	93.0	W	76.8	87.8	-	70.8	91.1	W	75.3	85.7	94.5	76.1

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Nebraska												
October 1993	W	-	73.2	81.7	W	67.9	86.3	W	72.0	82.6	75.9	70.4
September 1993	W	-	68.8	80.6	W	64.5	84.8	W	67.8	81.6	76.5	67.7
October 1992	W	-	77.7	88.0	W	72.7	92.1	W	76.5	87.8	NA	76.5
North Dakota												
October 1993	98.0	-	79.6	W	-	71.7	97.3	-	77.0	94.8	93.1	76.5
September 1993	93.6	-	75.6	-	-	67.7	93.6	-	73.5	90.2	88.5	71.7
October 1992	92.8	-	82.4	W	-	74.7	92.5	-	80.2	95.6	93.0	82.8
Ohio												
October 1993	86.6	73.7	69.7	W	W	61.5	85.2	73.8	69.2	80.1	77.0	70.2
September 1993	84.7	74.5	68.1	W	W	60.6	83.2	74.7	67.8	80.4	82.6	69.4
October 1992	89.7	82.2	77.0	W	W	71.2	89.3	82.2	76.8	88.2	81.4	75.2
Oklahoma												
October 1993	86.1	65.9	64.1	81.2	W	64.4	84.7	66.6	64.2	81.0	72.5	71.5
September 1993	80.9	63.5	62.6	78.6	W	61.0	80.3	62.8	62.0	78.2	70.3	69.0
October 1992	88.0	71.5	71.5	84.9	W	70.3	87.2	71.3	71.1	83.6	79.5	73.6
South Dakota												
October 1993	W	-	77.5	W	W	72.9	87.3	W	75.8	93.3	85.3	78.0
September 1993	W	-	74.1	W	-	71.3	87.7	-	73.4	91.4	85.0	78.9
October 1992	W	-	78.8	W	-	75.6	W	-	77.9	96.8	95.4	78.9
Tennessee												
October 1993	89.3	60.8	65.1	83.0	W	58.1	87.3	60.3	64.2	84.6	69.5	72.5
September 1993	88.6	61.6	64.9	84.7	W	57.7	87.4	61.3	64.0	85.5	71.6	72.7
October 1992	93.3	71.8	74.4	90.4	W	68.5	92.4	71.0	73.7	90.0	81.5	79.2
Wisconsin												
October 1993	83.7	68.7	67.8	W	W	63.4	83.1	67.5	66.9	83.7	NA	69.6
September 1993	82.9	66.4	66.4	W	-	61.7	81.7	66.4	65.4	82.7	82.6	68.4
October 1992	89.9	W	75.8	W	W	71.3	89.0	77.3	74.9	90.4	88.2	75.0
PAD District III Average												
October 1993	88.9	63.1	65.3	86.3	61.0	58.5	88.2	62.7	63.4	85.7	74.4	67.8
September 1993	89.5	64.3	65.6	87.8	58.4	57.1	89.1	63.2	63.2	87.0	76.2	71.2
October 1992	92.5	71.8	74.4	93.0	71.1	67.7	92.6	71.8	72.2	91.3	80.8	79.8
Alabama												
October 1993	89.6	60.5	64.6	77.3	W	58.3	86.6	60.2	63.7	88.0	72.9	75.1
September 1993	88.9	62.4	64.8	81.6	W	57.9	87.1	61.7	63.8	89.4	74.9	77.0
October 1992	94.6	71.7	74.4	90.3	W	68.7	93.7	70.9	73.5	94.1	83.4	85.8
Arkansas												
October 1993	90.2	-	65.2	W	W	60.7	87.2	W	63.6	85.4	70.8	65.7
September 1993	89.7	-	64.0	W	-	59.2	87.9	-	62.4	86.6	70.7	67.4
October 1992	95.3	W	73.7	W	W	69.5	92.5	W	72.5	88.0	82.2	73.3
Louisiana												
October 1993	91.0	59.4	67.3	90.6	W	62.0	91.0	61.3	66.0	87.6	77.5	67.2
September 1993	91.2	60.9	68.1	90.7	W	57.3	91.2	61.4	65.8	88.8	79.3	74.0
October 1992	93.8	69.8	75.9	95.6	NA	68.8	94.0	70.5	74.5	89.9	79.3	82.1
Mississippi												
October 1993	88.7	61.7	60.1	83.2	W	57.5	86.4	60.9	59.5	84.5	75.7	65.9
September 1993	87.7	62.1	61.6	85.6	57.7	57.8	86.9	61.0	60.8	86.2	77.3	72.5
October 1992	92.1	71.1	73.0	90.1	W	67.7	91.2	70.6	71.3	90.7	85.6	78.4
New Mexico												
October 1993	102.4	W	78.9	W	-	76.2	102.8	W	78.2	93.8	85.7	NA
September 1993	101.2	W	76.4	101.0	-	71.3	101.1	W	75.3	93.0	86.5	80.8
October 1992	104.2	W	82.8	101.7	-	79.9	102.5	W	82.1	99.5	93.9	88.4
Texas												
October 1993	88.3	65.3	65.6	85.6	60.0	57.1	87.6	63.9	62.6	83.2	72.9	66.5
September 1993	89.1	65.0	65.6	87.2	58.0	56.2	88.7	63.2	62.4	94.5	75.1	69.4
October 1992	91.9	72.0	73.8	92.7	71.4	67.1	92.1	71.9	71.1	91.1	77.3	78.9
PAD District IV Average												
October 1993	94.1	72.1	76.3	99.3	W	73.6	95.8	73.4	75.6	90.0	84.5	79.4
September 1993	91.8	W	74.3	96.1	W	71.0	93.2	72.6	73.3	89.5	85.2	76.7
October 1992	96.0	W	80.6	101.5	W	76.9	97.7	W	79.3	96.4	90.3	82.6

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices
by Seller, PAD District, and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Colorado												
October 1993	98.9	73.4	76.6	100.8	W	71.2	99.7	71.7	74.7	95.3	84.0	77.1
September 1993	95.9	W	72.8	97.2	W	66.6	96.5	71.1	70.7	93.7	82.6	73.5
October 1992	98.9	W	80.4	102.2	W	75.2	100.2	W	78.1	98.1	87.5	80.7
Idaho												
October 1993	-	W	77.7	W	-	76.4	W	W	77.4	84.5	90.0	83.3
September 1993	-	W	76.6	W	-	75.1	W	W	76.3	84.4	86.8	81.6
October 1992	W	W	84.2	W	-	81.9	94.9	W	83.7	95.7	93.2	87.0
Montana												
October 1993	-	-	79.2	W	W	78.4	W	W	79.0	94.4	94.2	81.6
September 1993	-	-	76.8	W	-	76.3	W	-	76.6	97.2	90.2	79.5
October 1992	W	-	78.5	W	-	79.1	W	-	78.7	98.4	96.4	80.6
Utah												
October 1993	86.8	W	74.0	W	W	72.7	86.9	W	73.7	86.1	80.6	NA
September 1993	85.3	W	73.1	W	W	72.0	85.3	72.1	72.9	85.1	80.4	76.6
October 1992	90.0	W	80.5	W	W	78.4	90.0	79.1	W	91.9	88.4	83.3
Wyoming												
October 1993	W	-	77.8	W	W	75.5	90.0	W	W	94.7	88.4	NA
September 1993	W	-	74.9	W	W	73.5	89.3	W	74.4	93.2	NA	78.8
October 1992	W	-	79.0	W	W	77.4	97.9	W	78.3	103.2	96.5	84.1
PAD District V Average												
October 1993	98.1	81.1	83.1	98.4	82.0	66.6	98.2	81.5	81.5	100.2	89.2	78.5
September 1993	96.9	81.6	83.2	94.8	80.1	72.3	96.5	81.2	82.1	99.7	90.5	79.8
October 1992	104.3	86.4	92.2	102.3	87.4	77.0	103.9	86.6	90.7	103.5	95.2	87.9
Alaska												
October 1993	W	W	86.5	111.8	W	W	109.9	W	85.0	NA	NA	NA
September 1993	W	W	86.0	108.6	W	W	107.1	W	85.1	NA	108.6	95.9
October 1992	W	W	94.5	115.8	W	W	114.4	W	93.4	120.3	103.8	106.8
Arizona												
October 1993	103.6	W	88.6	W	-	72.1	103.4	W	W	101.0	NA	88.8
September 1993	100.7	W	86.6	W	-	77.2	100.7	W	86.1	100.8	83.2	87.6
October 1992	103.0	W	89.1	W	W	79.2	103.2	W	88.5	102.9	NA	91.4
California												
October 1993	96.5	80.7	82.3	94.6	W	64.6	96.1	80.6	80.4	94.9	88.0	73.4
September 1993	95.8	80.8	82.6	89.9	W	71.1	94.5	80.8	81.2	93.7	89.5	77.0
October 1992	104.8	85.7	92.8	98.8	W	76.0	103.5	85.5	91.0	102.4	94.4	86.2
Hawaii												
October 1993	W	W	104.5	W	W	W	119.4	W	103.6	129.8	113.6	115.7
September 1993	W	W	104.6	W	W	W	117.7	W	103.7	132.1	111.6	115.4
October 1992	W	W	104.6	W	W	W	119.2	89.3	103.9	W	122.2	115.3
Nevada												
October 1993	93.6	W	79.9	W	W	70.0	93.7	W	78.8	105.5	NA	78.9
September 1993	92.8	-	81.8	W	-	76.5	92.6	-	81.1	102.0	83.0	80.2
October 1992	98.9	W	86.5	W	-	81.2	98.9	W	85.9	106.4	86.3	89.0
Oregon												
October 1993	103.2	W	82.1	W	-	75.8	103.1	W	81.7	99.7	93.4	89.5
September 1993	102.4	W	82.7	W	W	78.6	102.4	W	82.5	100.1	93.9	NA
October 1992	104.7	W	89.6	W	-	NA	105.5	W	87.9	104.7	98.1	92.4
Washington												
October 1993	96.7	W	81.9	W	-	76.7	96.8	W	81.7	95.9	87.9	84.3
September 1993	94.7	W	81.1	W	-	78.2	94.9	W	W	96.0	89.0	84.8
October 1992	100.8	86.5	88.9	W	W	82.0	101.5	86.7	W	101.5	94.0	88.8

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 35. Refiner Prices of Aviation Fuels and Propane
by PAD District and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Average						
October 1993	98.0	94.8	61.4	60.7	54.6	34.7
September 1993	98.2	96.3	56.9	56.8	62.8	34.1
October 1992	104.3	100.5	66.4	66.0	59.9	36.6
PAD District I Average						
October 1993	96.3	93.2	60.1	61.2	71.6	37.0
September 1993	96.0	92.6	55.4	57.0	76.4	35.7
October 1992	103.5	99.1	66.6	66.5	85.7	43.3
Subdistrict IA Average						
October 1993	W	W	63.2	64.1	W	38.6
September 1993	W	W	58.4	60.0	W	38.8
October 1992	W	W	69.9	68.4	W	43.5
Connecticut						
October 1993	W	W	63.4	W	W	39.6
September 1993	W	W	58.0	W	W	38.8
October 1992	W	W	69.1	W	W	44.6
Maine						
October 1993	W	-	W	W	W	40.0
September 1993	W	-	W	W	W	W
October 1992	W	-	W	W	W	W
Massachusetts						
October 1993	W	W	62.1	63.6	W	38.3
September 1993	W	W	57.4	59.7	W	38.8
October 1992	W	W	68.9	68.0	W	43.5
New Hampshire						
October 1993	W	W	62.3	W	W	W
September 1993	W	W	60.4	W	W	38.5
October 1992	W	W	71.6	W	W	39.7
Rhode Island						
October 1993	W	W	64.1	W	-	W
September 1993	W	W	59.5	W	-	W
October 1992	W	W	70.4	-	-	47.0
Vermont						
October 1993	W	W	W	W	W	38.1
September 1993	W	W	W	W	W	40.3
October 1992	W	W	W	W	W	47.0
Subdistrict IB Average						
October 1993	W	92.9	59.6	60.0	NA	36.5
September 1993	97.6	90.9	54.9	55.7	98.3	32.5
October 1992	W	101.6	65.8	65.3	W	41.3
Delaware						
October 1993	W	W	66.6	W	-	W
September 1993	W	W	62.1	W	-	W
October 1992	W	-	74.7	72.8	-	W
District of Columbia						
October 1993	W	-	-	-	-	-
September 1993	-	-	W	-	-	-
October 1992	-	-	-	-	-	-
Maryland						
October 1993	W	W	59.8	61.7	W	34.4
September 1993	W	W	55.1	W	W	36.3
October 1992	W	W	66.4	W	W	W
New Jersey						
October 1993	W	W	59.3	59.6	42.0	34.9
September 1993	95.7	W	54.5	54.7	W	31.5
October 1992	W	W	65.3	64.6	84.0	40.1
New York						
October 1993	W	93.4	62.0	64.9	W	38.7
September 1993	W	92.0	59.3	60.8	W	37.8
October 1992	W	W	70.9	72.2	W	44.3
Pennsylvania						
October 1993	W	95.5	59.8	59.4	W	36.1
September 1993	W	97.2	55.0	55.8	NA	31.6
October 1992	W	104.7	66.1	66.2	W	40.7
Subdistrict IC Average						
October 1993	94.5	93.1	60.0	63.3	66.5	37.2
September 1993	94.0	93.1	55.4	58.6	69.9	37.1
October 1992	101.7	98.0	66.8	70.8	81.3	44.5

See footnotes at end of table.

**Table 35. Refiner Prices of Aviation Fuels and Propane
by PAD District and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Florida						
October 1993	92.6	89.5	60.6	62.9	W	38.7
September 1993	91.9	89.7	55.7	58.9	W	39.7
October 1992	99.7	96.0	68.0	70.4	W	47.3
Georgia						
October 1993	95.6	W	59.3	64.2	56.4	36.0
September 1993	96.3	97.5	54.6	56.6	W	36.0
October 1992	101.5	99.0	65.3	69.9	65.4	42.7
North Carolina						
October 1993	W	W	60.0	64.2	62.0	36.9
September 1993	W	W	55.9	59.3	61.2	37.0
October 1992	W	W	66.9	74.5	W	44.3
South Carolina						
October 1993	W	96.4	64.6	65.9	62.6	36.8
September 1993	W	95.3	59.8	63.1	W	36.8
October 1992	W	99.3	70.8	W	W	43.9
Virginia						
October 1993	99.9	95.0	59.5	62.2	59.7	38.0
September 1993	99.2	94.7	55.2	58.9	59.7	36.0
October 1992	W	W	66.0	70.4	62.5	44.4
West Virginia						
October 1993	W	93.4	W	W	W	W
September 1993	W	W	W	W	W	W
October 1992	W	W	76.3	W	W	41.2
PAD District II Average						
October 1993	95.6	93.8	59.7	62.0	66.9	36.4
September 1993	94.6	94.6	55.8	57.8	69.3	36.1
October 1992	98.1	97.1	66.4	68.3	59.8	33.8
Illinois						
October 1993	W	W	58.9	60.6	64.3	37.5
September 1993	W	W	54.5	57.2	65.7	36.3
October 1992	W	W	65.4	66.4	61.4	35.6
Indiana						
October 1993	96.3	95.1	58.3	62.7	66.9	38.2
September 1993	94.8	95.3	54.4	56.1	71.8	37.4
October 1992	98.2	95.8	65.3	65.9	60.7	37.4
Iowa						
October 1993	W	95.0	63.0	68.7	W	37.8
September 1993	W	95.1	W	63.8	W	37.8
October 1992	W	97.0	W	72.0	W	33.2
Kansas						
October 1993	W	91.7	59.1	W	W	34.3
September 1993	W	92.0	W	W	W	34.7
October 1992	W	96.5	64.9	W	W	29.1
Kentucky						
October 1993	W	92.3	62.7	62.9	W	35.6
September 1993	W	W	58.4	58.6	W	34.8
October 1992	104.9	W	67.8	68.0	43.4	40.4
Michigan						
October 1993	W	W	60.5	62.9	80.2	37.1
September 1993	W	W	56.3	58.3	82.6	35.7
October 1992	W	W	66.9	69.2	80.4	37.1
Minnesota						
October 1993	W	90.7	59.9	62.9	W	38.0
September 1993	W	94.5	57.1	59.8	W	37.8
October 1992	W	97.9	67.5	69.4	W	33.3
Missouri						
October 1993	W	93.9	59.6	63.8	W	37.7
September 1993	W	94.1	55.4	60.6	W	37.8
October 1992	W	97.3	66.9	72.6	65.1	33.8
Nebraska						
October 1993	W	94.1	61.9	66.6	W	37.3
September 1993	W	93.8	57.4	63.0	W	37.7
October 1992	W	97.1	67.9	76.3	W	32.5
North Dakota						
October 1993	95.4	W	67.0	70.7	W	37.1
September 1993	W	W	63.1	67.4	W	37.0
October 1992	W	W	71.3	73.8	W	31.5

See footnotes at end of table.

**Table 35. Refiner Prices of Aviation Fuels and Propane
by PAD District and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Ohio						
October 1993	W	97.9	60.8	63.1	68.2	36.0
September 1993	W	99.0	56.6	58.5	73.6	35.8
October 1992	W	96.4	67.7	69.3	70.5	38.2
Oklahoma						
October 1993	W	89.8	59.3	58.1	NA	34.5
September 1993	W	91.4	55.1	55.6	50.3	34.5
October 1992	92.3	95.2	65.7	65.5	W	33.9
South Dakota						
October 1993	W	W	68.3	W	W	38.2
September 1993	W	W	62.4	W	W	38.6
October 1992	W	W	75.3	W	W	32.6
Tennessee						
October 1993	95.0	93.7	58.4	65.6	W	39.4
September 1993	94.7	93.5	55.7	61.4	W	39.6
October 1992	101.5	97.8	64.5	71.2	W	43.4
Wisconsin						
October 1993	-	93.9	59.8	64.4	68.9	39.1
September 1993	-	94.7	56.7	59.8	68.6	38.8
October 1992	-	97.5	67.3	68.4	70.1	34.8
PAD District III Average						
October 1993	92.2	85.0	57.7	57.1	34.6	31.0
September 1993	92.8	85.3	53.2	53.7	40.2	31.1
October 1992	100.3	92.8	63.9	64.2	41.7	37.0
Alabama						
October 1993	W	95.9	62.8	64.6	NA	34.4
September 1993	95.8	94.6	58.6	60.7	72.0	34.6
October 1992	103.8	99.5	69.0	71.9	70.8	41.7
Arkansas						
October 1993	W	W	64.0	66.3	W	38.7
September 1993	W	W	58.0	60.1	W	37.9
October 1992	W	98.5	70.6	74.2	W	42.7
Louisiana						
October 1993	W	87.9	57.3	56.6	34.7	30.8
September 1993	W	87.7	52.6	53.5	34.5	31.1
October 1992	W	98.1	63.8	63.0	42.7	37.5
Mississippi						
October 1993	93.7	92.7	56.4	W	50.1	33.9
September 1993	W	91.5	52.1	57.9	W	33.7
October 1992	100.1	99.1	63.7	63.3	W	40.4
New Mexico						
October 1993	W	W	64.2	64.6	W	32.9
September 1993	W	W	60.2	58.9	W	33.3
October 1992	W	W	66.2	69.0	31.1	34.7
Texas						
October 1993	91.1	81.4	57.6	56.9	30.1	30.1
September 1993	92.5	81.9	53.2	53.4	32.2	30.4
October 1992	99.0	89.8	63.9	64.3	36.2	36.2
PAD District IV Average						
October 1993	101.9	100.0	65.5	69.0	69.7	36.3
September 1993	101.3	99.5	60.2	61.8	73.3	34.9
October 1992	111.3	105.0	69.4	75.1	W	32.8
Colorado						
October 1993	W	96.9	60.3	62.9	66.4	36.0
September 1993	W	97.7	56.7	57.2	64.3	35.5
October 1992	W	103.2	66.6	73.2	69.9	33.8
Idaho						
October 1993	W	W	W	82.1	W	NA
September 1993	W	110.8	70.4	74.4	W	54.4
October 1992	W	W	77.5	80.7	W	W
Montana						
October 1993	W	W	76.6	W	W	37.3
September 1993	W	W	72.1	W	W	34.8
October 1992	W	W	75.7	W	W	31.6

See footnotes at end of table.

**Table 35. Refiner Prices of Aviation Fuels and Propane
by PAD District and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Utah						
October 1993	NA	101.5	72.1	75.2	70.7	38.4
September 1993	99.2	100.1	64.1	67.5	W	36.4
October 1992	W	105.3	71.4	75.1	W	34.8
Wyoming						
October 1993	W	W	80.2	W	45.5	35.5
September 1993	103.0	W	78.4	W	54.1	33.6
October 1992	W	W	82.1	W	NA	32.2
PAD District V Average						
October 1993	107.6	103.3	65.1	66.5	81.7	41.1
September 1993	109.5	106.0	61.1	61.1	79.1	38.6
October 1992	113.9	110.4	68.0	67.3	75.5	39.6
Alaska						
October 1993	W	118.8	69.2	72.2	W	W
September 1993	W	120.1	66.4	68.2	W	W
October 1992	W	W	72.9	72.7	W	W
Arizona						
October 1993	W	98.7	68.3	69.9	W	40.7
September 1993	W	101.1	62.4	63.9	W	W
October 1992	W	W	69.5	71.9	W	W
California						
October 1993	105.6	100.4	63.7	65.2	W	42.9
September 1993	106.1	101.4	59.9	60.0	W	40.1
October 1992	114.7	108.9	66.4	66.5	W	41.0
Hawaii						
October 1993	W	W	67.3	W	W	W
September 1993	W	W	62.1	78.0	W	W
October 1992	W	W	71.0	W	W	W
Nevada						
October 1993	W	W	67.1	68.5	W	46.4
September 1993	W	W	62.7	63.6	W	38.5
October 1992	W	W	70.3	70.5	W	38.7
Oregon						
October 1993	W	101.3	67.1	70.5	W	42.4
September 1993	W	101.3	61.5	65.4	W	40.4
October 1992	W	109.0	68.1	70.8	W	36.6
Washington						
October 1993	107.2	W	64.9	69.2	W	33.9
September 1993	107.6	W	59.9	59.5	W	33.0
October 1992	W	109.0	66.7	67.0	W	32.2

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. averages represent data for all States. In certain PAD Districts, however, prices are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 36. Refiner Prices of Kerosene and Distillates
by PAD District and State
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Average						
October 1993	75.5	65.6	76.4	75.7	66.6	63.9
September 1993	66.5	58.8	65.2	66.1	60.1	57.3
October 1992	87.2	70.1	75.1	73.6	67.8	65.1
PAD District I Average						
October 1993	71.4	64.5	80.0	65.3	62.8	57.9
September 1993	65.2	59.8	67.6	59.7	58.7	54.6
October 1992	79.7	71.4	71.9	69.6	68.3	64.6
Subdistrict IA Average						
October 1993	67.3	65.2	67.1	67.1	64.2	57.1
September 1993	62.4	56.8	W	59.7	59.1	54.5
October 1992	W	72.5	67.8	69.4	68.8	65.5
Connecticut						
October 1993	W	W	-	W	61.3	57.0
September 1993	W	W	W	W	57.1	55.2
October 1992	W	W	W	69.4	68.2	65.3
Maine						
October 1993	W	65.8	W	66.4	W	57.6
September 1993	W	62.0	W	59.5	57.2	54.3
October 1992	W	75.1	W	69.8	66.5	65.3
Massachusetts						
October 1993	W	63.2	-	W	65.1	58.8
September 1993	W	W	W	W	60.1	53.6
October 1992	W	68.9	W	W	69.4	65.9
New Hampshire						
October 1993	W	W	W	W	66.8	57.5
September 1993	W	W	W	W	59.9	54.5
October 1992	W	W	W	W	65.6	66.1
Rhode Island						
October 1993	-	W	W	W	67.3	54.8
September 1993	-	W	-	W	60.2	54.5
October 1992	-	W	W	W	70.3	64.6
Vermont						
October 1993	-	W	-	W	63.8	61.2
September 1993	-	W	-	W	59.6	W
October 1992	-	W	-	W	68.8	67.4
Subdistrict IB Average						
October 1993	69.0	64.6	85.3	68.5	64.0	57.3
September 1993	65.9	59.5	71.8	61.8	59.6	54.1
October 1992	78.7	69.9	75.7	69.2	69.3	64.3
Delaware						
October 1993	-	W	-	-	61.2	57.1
September 1993	-	W	-	-	57.4	W
October 1992	-	70.1	-	W	66.8	W
District of Columbia						
October 1993	-	-	-	-	58.6	59.0
September 1993	-	-	-	-	W	57.4
October 1992	-	W	-	-	65.5	63.5
Maryland						
October 1993	NA	64.3	W	-	59.2	59.6
September 1993	W	59.9	67.6	-	54.9	56.4
October 1992	68.1	70.6	75.9	72.9	65.8	65.6
New Jersey						
October 1993	65.4	62.8	-	-	61.6	55.7
September 1993	W	56.2	W	W	58.0	53.0
October 1992	W	68.2	W	66.7	67.0	63.7
New York						
October 1993	68.3	66.1	W	W	64.7	58.4
September 1993	68.0	61.1	W	W	60.6	55.4
October 1992	78.3	70.6	70.8	69.4	71.5	65.0
Pennsylvania						
October 1993	81.2	64.3	90.9	69.6	66.7	58.6
September 1993	76.0	60.7	W	62.3	62.2	54.3
October 1992	88.3	69.9	81.3	69.8	70.2	64.7
Subdistrict IC Average						
October 1993	NA	64.4	80.0	63.4	61.8	58.9
September 1993	62.5	61.0	67.1	58.8	58.0	55.3
October 1992	94.5	72.5	71.8	70.7	67.7	64.9

See footnotes at end of table.

**Table 36. Refiner Prices of Kerosene and Distillates
by PAD District and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Florida						
October 1993	W	66.4	W	W	61.8	59.9
September 1993	W	62.5	W	W	58.1	55.4
October 1992	W	72.5	W	W	68.1	64.8
Georgia						
October 1993	NA	62.5	-	W	61.6	58.3
September 1993	NA	60.1	-	W	58.2	55.1
October 1992	NA	71.1	W	75.3	67.6	64.1
North Carolina						
October 1993	NA	64.0	W	61.9	60.0	58.3
September 1993	NA	61.1	W	57.0	56.6	55.0
October 1992	97.3	73.1	W	68.1	66.0	64.8
South Carolina						
October 1993	NA	64.7	-	W	62.2	58.8
September 1993	NA	61.2	-	W	58.4	55.6
October 1992	107.4	73.2	W	W	67.4	65.3
Virginia						
October 1993	65.1	64.7	W	62.2	60.2	58.1
September 1993	59.0	60.3	W	58.6	56.8	54.9
October 1992	74.0	71.2	64.6	70.5	67.0	65.4
West Virginia						
October 1993	NA	70.8	87.3	75.6	67.6	64.7
September 1993	NA	63.3	W	W	60.8	58.5
October 1992	NA	74.1	W	80.2	70.9	66.7
PAD District II Average						
October 1993	82.2	73.7	75.3	73.9	66.7	66.3
September 1993	70.0	64.9	59.9	64.3	58.8	57.6
October 1992	100.2	73.9	71.6	72.1	67.4	66.1
Illinois						
October 1993	NA	72.8	W	73.1	67.7	63.5
September 1993	67.4	64.0	W	61.6	56.7	54.9
October 1992	83.0	70.8	W	69.9	66.2	64.1
Indiana						
October 1993	104.7	73.6	83.6	68.2	67.4	64.0
September 1993	W	63.1	65.2	61.3	56.5	54.9
October 1992	W	72.6	76.0	71.2	66.1	64.9
Iowa						
October 1993	-	81.6	W	75.9	69.8	71.4
September 1993	-	74.0	W	67.5	60.2	61.0
October 1992	-	80.6	W	73.2	68.1	67.8
Kansas						
October 1993	-	84.9	W	77.3	67.0	68.7
September 1993	-	W	-	64.0	58.5	59.9
October 1992	-	79.3	W	70.8	66.3	65.8
Kentucky						
October 1993	73.1	74.4	W	70.7	65.1	62.8
September 1993	72.7	65.3	W	64.7	59.9	56.9
October 1992	103.4	75.7	W	74.2	68.4	65.8
Michigan						
October 1993	NA	75.4	W	70.8	65.8	66.6
September 1993	NA	61.2	W	61.3	57.1	55.9
October 1992	117.1	72.8	W	71.6	66.9	65.4
Minnesota						
October 1993	W	81.2	77.4	78.5	70.0	70.3
September 1993	W	70.6	W	68.2	58.3	60.7
October 1992	W	80.6	72.1	74.7	68.0	68.5
Missouri						
October 1993	-	77.3	W	77.1	72.7	68.8
September 1993	-	68.0	W	66.0	60.9	58.6
October 1992	-	72.0	W	72.9	68.0	66.4
Nebraska						
October 1993	-	W	W	78.0	58.7	71.6
September 1993	-	73.6	-	69.0	56.4	62.0
October 1992	-	82.4	W	74.0	W	68.3
North Dakota						
October 1993	-	W	W	79.6	W	74.3
September 1993	-	74.9	W	69.6	W	63.7
October 1992	W	W	W	76.6	67.4	69.8

See footnotes at end of table.

**Table 36. Refiner Prices of Kerosene and Distillates
by PAD District and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Ohio						
October 1993	80.7	72.8	95.5	71.2	70.2	66.3
September 1993	87.8	64.5	86.2	62.6	61.4	57.7
October 1992	86.7	73.9	NA	71.1	69.2	66.9
Oklahoma						
October 1993	W	72.4	78.4	64.5	63.3	65.5
September 1993	W	W	66.7	59.3	58.5	56.2
October 1992	W	74.2	W	67.2	66.8	65.0
South Dakota						
October 1993	-	82.0	W	81.1	73.6	73.5
September 1993	-	72.7	W	70.8	W	64.0
October 1992	-	W	W	76.4	W	69.7
Tennessee						
October 1993	76.7	68.1	-	63.1	60.7	58.9
September 1993	65.1	65.1	W	58.5	58.3	55.1
October 1992	100.5	73.6	W	71.5	66.5	64.6
Wisconsin						
October 1993	W	W	75.6	74.8	70.1	65.0
September 1993	W	68.3	60.2	63.1	57.6	56.6
October 1992	W	79.7	70.3	72.0	67.5	66.0
PAD District III Average						
October 1993	76.5	57.8	66.6	66.0	62.6	58.5
September 1993	63.2	NA	58.1	57.3	57.7	53.6
October 1992	75.6	64.0	68.0	72.4	68.1	63.1
Alabama						
October 1993	NA	63.4	-	W	59.7	58.0
September 1993	W	60.1	-	W	58.6	54.7
October 1992	NA	72.8	W	W	66.2	64.3
Arkansas						
October 1993	-	63.7	-	W	62.8	59.8
September 1993	-	60.7	-	W	58.5	55.6
October 1992	W	71.8	-	W	66.9	64.8
Louisiana						
October 1993	W	56.0	-	W	58.6	56.1
September 1993	W	NA	-	W	55.5	52.3
October 1992	W	62.5	W	W	63.6	62.4
Mississippi						
October 1993	W	W	-	W	58.0	56.4
September 1993	W	W	-	W	56.0	52.6
October 1992	-	W	W	-	65.3	62.0
New Mexico						
October 1993	-	W	W	92.9	81.3	77.8
September 1993	-	84.0	W	73.7	73.6	64.1
October 1992	-	83.6	-	80.2	72.5	69.5
Texas						
October 1993	W	67.1	W	68.5	62.8	58.6
September 1993	W	53.6	W	65.1	57.1	53.3
October 1992	W	70.6	W	71.7	66.0	62.9
PAD District IV Average						
October 1993	W	85.1	88.7	86.6	73.2	77.2
September 1993	W	74.8	80.8	74.7	63.8	65.9
October 1992	-	84.4	81.7	79.8	72.3	72.6
Colorado						
October 1993	-	W	90.2	83.6	70.9	75.5
September 1993	-	W	W	71.1	61.3	62.8
October 1992	-	W	83.3	78.3	73.3	71.7
Idaho						
October 1993	-	W	W	90.7	W	80.1
September 1993	-	W	W	79.7	W	71.3
October 1992	-	W	W	83.9	W	75.6
Montana						
October 1993	-	-	W	86.4	68.3	74.8
September 1993	-	-	W	73.2	59.8	63.7
October 1992	-	-	78.7	79.2	68.7	68.7

See footnotes at end of table.

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**Table 36. Refiner Prices of Kerosene and Distillates
by PAD District and State (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Utah						
October 1993	-	W	W	89.2	77.2	79.2
September 1993	-	W	W	79.4	68.4	68.2
October 1992	-	W	82.9	82.0	73.5	74.4
Wyoming						
October 1993	W	W	87.6	88.1	73.0	76.7
September 1993	W	W	72.9	76.9	63.9	64.6
October 1992	-	-	79.1	80.7	71.2	72.4
PAD District V Average						
October 1993	W	84.0	76.5	80.2	77.1	76.9
September 1993	-	70.2	75.1	72.6	67.8	65.4
October 1992	W	72.5	82.0	76.9	68.4	65.2
Alaska						
October 1993	-	-	73.3	73.7	81.1	66.8
September 1993	-	-	79.0	70.8	78.1	63.2
October 1992	-	-	82.2	77.5	80.0	65.2
Arizona						
October 1993	W	W	W	NA	80.7	82.6
September 1993	-	W	-	71.9	67.4	64.6
October 1992	W	W	82.2	W	70.5	68.6
California						
October 1993	-	78.0	W	89.1	81.5	79.4
September 1993	-	64.3	W	74.9	70.9	66.9
October 1992	-	W	W	72.0	68.5	65.1
Hawaii						
October 1993	-	-	W	W	62.9	76.9
September 1993	-	-	W	84.4	62.4	73.5
October 1992	-	-	W	W	66.3	73.5
Nevada						
October 1993	-	-	W	93.2	83.4	79.3
September 1993	-	-	W	78.1	70.4	66.0
October 1992	-	-	W	74.5	71.2	68.5
Oregon						
October 1993	-	W	W	90.0	79.5	78.2
September 1993	-	W	W	77.9	67.6	67.6
October 1992	-	W	W	76.0	65.8	64.9
Washington						
October 1993	-	W	84.9	88.4	69.3	69.7
September 1993	-	W	87.4	75.9	61.1	61.0
October 1992	-	W	85.0	77.2	65.7	63.7

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. averages represent data for all States. In certain PAD Districts, however, prices are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 37. No. 2 Distillate Prices by Seller, PAD District,
and Selected States**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Refiners			Resellers and Retailers			All Sellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users	
U.S. Average									
October 1993	84.6	66.4	63.9	88.7	75.8	63.1	88.6	73.1	63.6
September 1993	79.8	59.9	57.3	85.6	70.0	58.6	85.4	67.2	57.7
October 1992	88.2	67.6	65.1	93.8	75.3	66.3	93.7	73.0	65.4
PAD District I Average									
October 1993	82.5	62.2	57.9	88.6	70.4	58.9	88.5	68.0	58.3
September 1993	77.5	58.3	54.6	85.8	67.3	56.5	85.7	64.6	55.3
October 1992	88.1	67.8	64.6	95.0	74.7	65.7	94.9	72.6	65.1
Subdistrict IA Average									
October 1993	W	62.2	57.1	85.7	71.6	58.7	85.7	70.2	58.0
September 1993	W	58.4	54.5	82.5	68.1	55.5	82.5	66.6	55.1
October 1992	W	67.1	65.5	92.7	77.8	65.8	92.6	76.4	65.7
Connecticut									
October 1993	-	61.3	57.0	88.5	71.8	58.6	88.5	70.0	57.6
September 1993	-	57.1	55.2	84.3	68.7	54.3	84.3	66.2	54.7
October 1992	-	68.2	65.3	94.9	78.6	65.1	94.9	77.4	65.2
Maine									
October 1993	-	W	57.6	83.0	72.6	59.8	83.0	72.1	59.0
September 1993	-	57.2	54.3	78.3	69.0	56.2	78.3	68.0	55.7
October 1992	-	66.5	65.3	89.3	77.7	68.0	89.3	77.1	67.0
Massachusetts									
October 1993	W	62.2	58.8	86.3	69.9	58.2	86.3	68.3	58.4
September 1993	W	59.0	53.6	83.8	65.8	55.8	83.8	64.4	54.9
October 1992	W	67.0	65.9	93.5	77.1	65.8	93.5	75.1	65.3
New Hampshire									
October 1993	-	66.8	57.5	77.2	72.6	59.0	77.2	72.1	58.7
September 1993	-	59.9	54.5	75.2	69.7	55.4	75.2	68.7	55.3
October 1992	-	65.6	66.1	87.6	77.7	65.2	87.6	76.6	65.3
Rhode Island									
October 1993	W	61.3	54.8	85.8	72.4	58.2	85.7	71.0	56.3
September 1993	W	57.6	54.5	84.2	71.0	55.7	84.1	69.7	55.2
October 1992	W	66.0	64.6	92.8	79.4	65.3	92.7	76.9	65.0
Vermont									
October 1993	-	63.8	61.2	86.8	73.3	63.1	86.8	72.8	62.4
September 1993	-	59.6	W	86.6	70.3	61.3	86.6	69.7	60.0
October 1992	-	68.8	67.4	92.0	78.1	69.2	92.0	77.4	68.5
Subdistrict IB Average									
October 1993	81.5	62.9	57.3	91.0	70.3	58.5	90.7	68.3	57.8
September 1993	76.8	58.9	54.1	88.1	66.8	56.5	87.8	64.6	54.9
October 1992	87.6	68.1	64.3	96.3	75.0	65.5	96.1	72.9	64.7
Delaware									
October 1993	-	61.2	57.1	88.6	67.5	58.5	88.6	66.4	57.4
September 1993	-	57.4	W	85.0	66.6	NA	85.0	64.7	54.7
October 1992	-	66.8	W	93.7	74.8	65.6	93.7	72.7	64.0
District of Columbia									
October 1993	-	58.6	59.0	102.3	69.4	W	102.3	68.4	56.4
September 1993	-	W	57.4	95.0	59.7	W	95.0	56.3	55.3
October 1992	-	65.5	63.5	104.0	70.4	W	104.0	70.2	64.1
Maryland									
October 1993	W	59.2	59.6	94.3	70.5	58.4	94.2	67.2	57.6
September 1993	W	54.9	56.4	92.7	66.3	58.3	92.6	63.0	57.2
October 1992	W	65.8	65.6	98.8	74.6	65.7	98.8	72.1	65.7
New Jersey									
October 1993	-	61.6	55.7	88.7	68.1	56.7	88.7	65.8	56.0
September 1993	-	58.0	53.0	85.9	63.9	54.7	85.9	62.0	53.5
October 1992	-	67.0	63.7	94.0	72.3	63.6	94.0	70.4	63.6
New York									
October 1993	W	63.2	58.4	96.3	71.2	59.5	96.1	69.3	58.9
September 1993	W	59.7	55.4	93.6	69.5	56.1	93.5	66.9	55.7
October 1992	W	69.9	65.0	102.9	79.4	67.0	102.7	76.5	65.7

See footnotes at end of table.

**Table 37. No. 2 Distillate Prices by Seller, PAD District,
and Selected States (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Refiners			Resellers and Retailers			All Sellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users	
Pennsylvania									
October 1993	W	65.0	58.6	83.4	70.8	60.2	83.2	69.3	59.3
September 1993	74.9	61.0	54.3	80.7	66.7	57.5	80.4	65.2	55.5
October 1992	W	68.4	64.7	87.6	73.6	66.5	87.5	72.2	65.4
Subdistrict IC Average^b									
October 1993	W	61.8	58.9	87.0	70.1	60.0	87.0	67.2	59.3
September 1993	W	58.0	55.3	87.1	67.4	57.4	87.0	64.2	56.0
October 1992	W	67.7	64.9	95.3	73.6	66.2	95.3	71.6	65.2
Virginia									
October 1993	W	60.1	58.1	85.2	69.7	58.8	85.2	67.4	58.3
September 1993	W	56.8	54.9	85.0	66.4	56.3	84.9	64.3	55.2
October 1992	W	66.9	65.4	92.0	74.6	65.0	91.9	72.6	65.3
West Virginia									
October 1993	W	67.6	64.7	83.8	70.7	67.2	83.6	69.3	65.3
September 1993	W	60.7	58.5	79.4	66.8	62.5	79.2	64.0	59.5
October 1992	W	70.8	66.7	88.6	76.0	69.2	88.3	73.7	67.1
PAD District II Average^b									
October 1993	W	66.7	66.3	85.8	76.2	67.2	85.7	73.6	66.6
September 1993	W	58.8	57.6	82.3	69.0	59.8	82.2	66.0	58.2
October 1992	W	67.4	66.1	86.4	76.9	67.2	86.4	73.9	66.4
Illinois									
October 1993	-	67.7	63.5	87.6	76.8	65.2	87.6	75.3	64.2
September 1993	-	56.7	54.9	80.9	68.3	56.9	80.9	65.6	55.6
October 1992	-	66.2	64.1	90.8	79.0	67.1	90.8	76.3	65.1
Indiana									
October 1993	W	67.3	64.0	83.1	76.7	63.8	83.1	73.8	64.0
September 1993	W	56.5	54.9	80.4	68.7	55.2	80.3	64.4	55.0
October 1992	W	66.1	64.9	85.8	77.4	65.8	85.8	72.9	65.2
Michigan									
October 1993	-	65.8	66.6	90.0	80.3	70.4	90.0	75.6	67.9
September 1993	-	57.1	55.9	85.5	71.9	58.7	85.5	67.6	56.9
October 1992	-	66.9	65.4	90.0	79.1	68.6	90.0	74.8	66.4
Minnesota									
October 1993	-	70.0	70.3	86.8	84.0	70.8	86.8	81.3	70.4
September 1993	-	58.3	60.7	83.1	75.3	66.9	83.1	71.6	62.6
October 1992	-	68.0	68.5	87.1	81.7	70.1	87.1	79.0	68.8
Ohio									
October 1993	W	70.1	66.3	85.6	77.6	66.1	85.5	73.8	66.2
September 1993	W	61.2	57.7	81.5	67.9	58.0	81.4	64.3	57.8
October 1992	W	69.1	66.9	86.5	75.7	66.1	86.4	72.2	66.7
Wisconsin									
October 1993	-	70.1	65.0	82.0	78.4	69.6	82.0	77.2	66.6
September 1993	-	57.6	56.6	82.8	70.9	61.9	82.8	69.0	58.7
October 1992	-	67.5	66.0	84.1	76.8	66.0	84.1	75.5	66.0
PAD District III Average^a									
October 1993	-	62.6	58.5	82.3	68.4	58.1	82.3	66.7	58.4
September 1993	-	57.7	53.6	72.7	65.6	55.3	72.7	63.5	54.0
October 1992	-	66.1	63.1	75.8	70.4	63.2	75.8	69.3	63.1
PAD District IV Average^b									
October 1993	-	73.2	77.2	93.2	87.4	80.6	93.2	83.2	77.9
September 1993	-	63.8	65.9	84.0	75.6	70.3	84.0	72.7	66.7
October 1992	-	72.3	72.6	88.8	82.3	74.8	88.8	79.0	73.0
Idaho									
October 1993	-	W	80.1	94.8	91.2	82.9	94.8	88.8	80.4
September 1993	-	W	71.3	85.3	80.5	70.6	85.3	79.0	71.2
October 1992	-	W	75.6	89.6	84.1	78.2	89.6	82.4	76.3

See footnotes at end of table.

**Table 37. No. 2 Distillate Prices by Seller, PAD District,
and Selected States (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Refiners			Resellers and Retailers			All Sellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users	
PAD District V Average^b									
October 1993	92.4	76.8	76.9	103.4	90.0	79.9	102.1	86.3	77.5
September 1993	86.6	67.6	65.4	96.3	80.8	69.3	95.1	77.3	66.1
October 1992	90.0	68.1	65.2	94.6	78.0	70.5	94.0	75.1	66.1
Alaska									
October 1993	W	79.0	66.8	100.6	92.8	NA	96.5	90.1	69.2
September 1993	W	75.4	63.2	97.6	90.5	74.1	94.8	88.5	65.9
October 1992	W	77.5	65.2	100.3	88.6	81.0	96.8	84.5	69.1
Oregon									
October 1993	W	79.1	78.2	99.7	91.2	86.2	100.2	88.0	79.0
September 1993	W	67.3	67.6	91.6	80.6	77.9	92.0	77.4	68.4
October 1992	W	65.4	64.9	91.4	77.7	68.8	91.7	74.3	65.3
Washington									
October 1993	W	68.2	69.7	105.9	85.2	83.1	105.5	80.1	70.6
September 1993	W	60.4	61.0	98.3	78.2	69.9	97.1	73.6	61.5
October 1992	W	64.9	63.7	95.0	76.9	72.2	94.5	73.3	64.8

^a No. 2 fuel oil only.

^b Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

Table 38. No. 2 Distillate Prices by Sales Type, PAD District, and Selected States
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c	Average	
U.S. Average							
October 1993	88.6	67.6	73.0	78.1	78.1	75.2	63.6
September 1993	85.4	62.0	68.1	70.6	71.7	69.1	57.7
October 1992	93.7	68.8	72.7	76.2	77.5	76.1	65.4
PAD District I Average							
October 1993	88.5	65.6	68.0	72.9	67.9	74.5	58.3
September 1993	85.7	61.6	65.5	69.6	65.3	69.8	55.3
October 1992	94.9	71.1	72.3	75.9	73.1	80.0	65.1
Subdistrict 1A Average							
October 1993	85.7	69.6	69.2	77.6	66.3	79.5	58.0
September 1993	82.5	65.1	66.3	76.1	64.2	75.0	55.1
October 1992	92.6	75.6	72.5	84.4	73.5	85.5	65.7
Connecticut							
October 1993	88.5	69.6	66.9	81.3	66.8	82.0	57.6
September 1993	84.3	65.1	64.6	79.8	66.8	77.0	54.7
October 1992	94.9	75.1	69.0	88.5	69.7	87.7	65.2
Maine							
October 1993	83.0	70.3	69.5	77.3	72.0	77.5	59.0
September 1993	78.3	66.0	65.1	76.3	67.8	72.8	55.7
October 1992	89.3	75.5	75.8	82.0	78.7	82.4	67.0
Massachusetts							
October 1993	86.3	68.6	71.1	76.6	62.2	79.5	58.4
September 1993	83.8	63.2	69.5	76.9	60.4	74.6	54.9
October 1992	93.5	75.4	72.5	82.2	68.4	85.2	65.8
New Hampshire							
October 1993	77.2	68.8	63.8	77.0	73.6	75.0	58.7
September 1993	75.2	65.6	59.2	73.8	68.0	72.1	55.3
October 1992	87.6	75.7	71.1	78.6	83.4	83.6	65.3
Rhode Island							
October 1993	85.7	72.4	67.7	79.1	62.8	81.4	56.3
September 1993	84.1	70.9	66.8	76.0	62.7	78.9	55.2
October 1992	92.7	78.6	73.7	79.5	69.1	88.3	65.0
Vermont							
October 1993	86.8	72.3	70.1	79.0	73.0	79.9	62.4
September 1993	86.6	68.5	66.7	77.2	72.4	76.3	60.0
October 1992	92.0	75.8	75.8	83.5	81.5	84.5	68.5
Subdistrict 1B Average							
October 1993	90.7	66.5	68.6	75.2	66.9	77.0	57.8
September 1993	87.8	62.3	66.4	71.7	62.6	71.8	54.9
October 1992	96.1	72.1	72.3	78.1	72.0	83.3	64.7
Delaware							
October 1993	88.6	63.6	68.2	67.7	69.8	72.2	57.4
September 1993	85.0	59.2	64.6	70.2	65.4	67.8	54.7
October 1992	93.7	71.3	72.3	75.7	72.2	81.0	64.0
District of Columbia							
October 1993	102.3	68.7	W	W	68.3	72.9	56.4
September 1993	95.0	58.1	W	W	NA	57.3	55.3
October 1992	104.0	69.8	W	W	72.8	77.8	64.1
Maryland							
October 1993	94.2	64.5	65.9	75.0	71.7	74.6	57.6
September 1993	92.6	59.7	63.1	71.3	65.3	67.6	57.2
October 1992	98.8	70.0	71.0	78.7	74.6	80.0	65.7
New Jersey							
October 1993	88.7	63.5	72.0	71.3	64.8	75.2	56.0
September 1993	85.9	59.3	71.4	70.1	60.4	68.7	53.5
October 1992	94.0	70.5	69.2	75.9	66.8	81.0	63.6
New York							
October 1993	96.1	69.3	67.9	79.6	64.5	82.0	58.9
September 1993	93.5	67.7	65.7	77.1	60.6	78.1	55.7
October 1992	102.7	77.1	77.4	79.4	73.1	91.7	65.7

See footnotes at end of table.

**Table 38. No. 2 Distillate Prices by Sales Type, PAD District,
and Selected States (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c	Average	
Pennsylvania							
October 1993	83.2	66.3	68.8	75.6	68.1	73.9	59.3
September 1993	80.4	61.8	66.3	70.3	64.9	69.6	55.5
October 1992	87.5	69.9	71.8	78.2	72.8	77.8	65.4
Subdistrict IC Average^d							
October 1993	87.0	63.4	67.3	71.3	69.0	68.9	59.3
September 1993	87.0	59.8	64.6	67.9	67.2	65.6	56.0
October 1992	95.3	68.5	72.3	74.0	73.6	74.1	65.2
Virginia							
October 1993	85.2	64.4	65.6	71.7	70.5	71.0	58.3
September 1993	84.9	60.3	62.2	69.0	68.7	66.8	55.2
October 1992	91.9	69.3	73.0	75.6	75.6	76.0	65.3
West Virginia							
October 1993	83.6	66.7	70.5	74.6	67.0	70.2	65.3
September 1993	79.2	60.4	65.9	69.5	62.8	64.7	59.5
October 1992	88.3	70.1	75.5	81.0	75.9	74.4	67.1
PAD District II Average^d							
October 1993	85.7	66.5	72.5	78.0	81.2	74.4	66.6
September 1993	82.2	59.6	67.0	67.8	73.7	66.9	58.2
October 1992	86.4	67.9	74.0	74.9	81.0	74.7	66.4
Illinois							
October 1993	87.6	68.4	80.3	78.8	82.0	75.6	64.2
September 1993	80.9	59.3	70.2	67.2	73.2	66.0	55.6
October 1992	90.8	70.1	80.0	76.1	80.9	76.6	65.1
Indiana							
October 1993	83.1	68.5	68.8	75.8	82.2	74.3	64.0
September 1993	80.3	58.1	65.1	66.0	74.4	64.8	55.0
October 1992	85.8	66.6	70.9	73.1	86.4	73.6	65.2
Michigan							
October 1993	90.0	74.3	70.3	79.8	79.0	77.6	67.9
September 1993	85.5	64.2	69.1	68.8	72.1	69.8	56.9
October 1992	90.0	69.0	74.6	77.0	80.9	77.2	66.4
Minnesota							
October 1993	86.8	73.3	76.1	85.4	85.2	82.2	70.4
September 1993	83.1	65.0	69.2	69.8	78.4	73.3	62.6
October 1992	87.1	71.6	76.3	75.6	84.4	80.3	68.8
Ohio							
October 1993	85.5	68.7	70.2	79.1	79.1	74.9	66.2
September 1993	81.4	60.2	62.9	67.5	71.2	65.9	57.8
October 1992	86.4	67.9	73.5	75.1	79.4	73.5	66.7
Wisconsin							
October 1993	82.0	75.2	75.4	78.5	79.9	78.1	66.6
September 1993	82.8	65.1	71.5	67.3	75.2	71.1	58.7
October 1992	84.1	69.6	69.1	75.5	83.1	76.9	66.0
PAD District III Average							
October 1993	82.3	61.7	65.4	73.1	68.7	66.7	58.4
September 1993	72.7	58.1	62.2	68.9	68.7	63.5	54.0
October 1992	75.8	64.6	68.3	74.4	76.1	69.3	63.1
PAD District IV Average^d							
October 1993	93.2	76.0	84.3	88.2	88.7	83.4	77.9
September 1993	84.0	65.0	72.0	76.6	79.2	72.8	66.7
October 1992	88.8	73.5	78.5	83.4	83.7	79.2	73.0
Idaho							
October 1993	94.8	79.6	90.3	90.1	91.7	89.1	80.4
September 1993	85.3	70.2	77.3	79.0	82.8	79.3	71.2
October 1992	89.6	78.2	79.0	82.4	86.2	82.7	76.3

See footnotes at end of table.

Table 38. No. 2 Distillate Prices by Sales Type, PAD District, and Selected States (Continued)
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c	Average	
PAD District V Average^d							
October 1993	102.1	80.5	87.0	94.1	88.5	87.0	77.5
September 1993	95.1	72.5	79.1	81.9	79.0	77.9	66.1
October 1992	94.0	70.5	76.8	81.3	75.8	75.9	66.1
Alaska							
October 1993	96.5	NA	89.7	86.5	87.3	91.9	69.2
September 1993	94.8	86.3	84.3	87.2	NA	89.7	65.9
October 1992	96.8	82.7	85.3	93.7	82.7	87.2	69.1
Oregon							
October 1993	100.2	82.5	83.1	92.8	91.9	88.8	79.0
September 1993	92.0	72.7	79.4	81.2	79.1	78.1	68.4
October 1992	91.7	70.0	76.9	81.3	78.3	75.4	65.3
Washington							
October 1993	105.5	75.1	85.5	89.6	85.6	82.8	70.6
September 1993	97.1	66.4	76.5	82.8	79.4	75.2	61.5
October 1992	94.5	68.6	73.1	80.7	79.3	76.2	64.8

^a No. 2 fuel oil only.

^b No. 2 diesel fuel only.

^c Sales to "other end users" are all end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

^d Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

Table 39. No. 2 Fuel Oil Prices by Sales Type, PAD District, and Selected States
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users*	Average	
U.S. Average						
October 1993	88.6	68.3	65.1	66.4	82.1	59.0
September 1993	85.4	61.7	61.9	61.7	76.1	54.9
October 1992	93.7	72.7	71.5	71.0	86.2	64.6
PAD District I Average						
October 1993	88.5	69.3	64.1	63.9	82.9	56.6
September 1993	85.7	63.3	61.7	59.5	77.5	54.0
October 1992	94.9	75.1	71.0	70.1	88.3	64.7
Subdistrict IA Average						
October 1993	85.7	71.6	66.4	62.8	82.4	56.6
September 1993	82.5	65.1	62.4	60.9	78.0	53.9
October 1992	92.6	76.9	72.4	70.3	88.5	65.4
Connecticut						
October 1993	88.5	71.8	66.9	60.5	85.6	56.4
September 1993	84.3	68.3	62.3	60.9	81.4	53.7
October 1992	94.9	75.0	68.0	66.5	90.6	64.9
Maine						
October 1993	83.0	71.3	68.3	W	79.3	57.4
September 1993	78.3	67.0	64.5	W	73.9	54.4
October 1992	89.3	77.5	76.4	W	84.9	66.7
Massachusetts						
October 1993	86.3	72.0	63.7	61.4	82.3	57.0
September 1993	83.8	61.7	59.0	58.8	77.7	53.8
October 1992	93.5	76.6	72.5	67.5	88.2	65.5
New Hampshire						
October 1993	77.2	66.9	61.6	71.2	75.5	56.0
September 1993	75.2	64.5	58.7	W	73.0	53.7
October 1992	87.6	75.5	69.7	W	85.7	64.6
Rhode Island						
October 1993	85.7	74.6	70.3	W	84.1	55.6
September 1993	84.1	71.6	68.8	W	82.5	54.2
October 1992	92.7	84.8	71.7	W	91.4	64.8
Vermont						
October 1993	86.8	73.5	69.6	62.3	84.0	59.2
September 1993	86.6	71.6	62.0	W	82.0	57.1
October 1992	92.0	78.4	77.0	77.6	88.9	67.7
Subdistrict IB Average						
October 1993	90.7	68.7	63.4	63.5	84.6	56.1
September 1993	87.8	66.3	60.9	57.2	80.3	53.8
October 1992	96.1	77.9	70.7	69.1	90.4	64.5
Delaware						
October 1993	88.6	66.5	63.8	W	79.9	54.9
September 1993	85.0	66.0	59.7	56.3	72.9	54.0
October 1992	93.7	76.6	W	W	87.0	63.5
District of Columbia						
October 1993	102.3	72.5	-	W	78.9	55.1
September 1993	95.0	59.3	-	W	56.7	53.4
October 1992	104.0	69.7	-	W	79.9	63.5
Maryland						
October 1993	94.2	66.7	65.1	62.5	84.7	55.0
September 1993	92.6	62.1	63.8	58.1	75.3	54.7
October 1992	98.8	74.0	70.0	68.7	87.4	64.7
New Jersey						
October 1993	88.7	67.9	60.1	NA	83.3	55.0
September 1993	85.9	64.1	57.0	56.8	78.8	52.7
October 1992	94.0	73.7	67.4	W	87.1	63.5
New York						
October 1993	96.1	69.4	64.6	62.5	88.2	57.6
September 1993	93.5	70.8	61.3	57.1	86.3	54.9
October 1992	102.7	81.8	71.4	74.1	97.7	65.6

See footnotes at end of table.

Table 39. No. 2 Fuel Oil Prices by Sales Type, PAD District, and Selected States (Continued)
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users ^a	Average	
Pennsylvania						
October 1993	83.2	67.9	65.5	64.5	80.0	57.3
September 1993	80.4	64.6	63.4	58.7	76.0	54.4
October 1992	87.5	76.0	71.4	73.1	83.8	65.0
Subdistrict IC Average^b						
October 1993	87.0	68.0	63.1	65.6	77.9	58.0
September 1993	87.0	58.9	62.1	61.9	69.4	54.8
October 1992	95.3	69.0	70.9	71.2	82.1	64.9
Virginia						
October 1993	85.2	66.5	64.0	62.5	79.3	56.5
September 1993	84.9	60.4	62.4	61.6	73.5	54.2
October 1992	91.9	71.8	74.8	70.8	83.6	64.8
West Virginia						
October 1993	83.6	65.7	63.7	60.1	71.6	63.5
September 1993	79.2	62.1	61.5	57.8	65.6	56.8
October 1992	88.3	74.0	72.3	67.5	78.3	65.7
PAD District II Average^b						
October 1993	85.7	65.0	64.5	69.2	76.9	64.0
September 1993	82.2	58.8	61.0	66.1	71.0	56.7
October 1992	86.4	66.8	73.0	72.7	77.9	65.5
Illinois						
October 1993	87.6	70.7	66.8	75.0	78.1	61.5
September 1993	80.9	60.3	60.7	63.7	68.6	54.8
October 1992	90.8	67.8	80.7	73.6	76.4	64.0
Indiana						
October 1993	83.1	W	63.7	67.0	72.6	61.5
September 1993	80.3	55.1	60.8	NA	63.3	53.7
October 1992	85.8	66.0	70.4	76.9	75.2	63.9
Michigan						
October 1993	90.0	65.5	NA	75.5	79.1	64.4
September 1993	85.5	58.8	68.5	70.6	76.6	55.9
October 1992	90.0	66.8	78.3	69.7	81.6	65.5
Minnesota						
October 1993	86.8	72.4	NA	75.3	82.3	69.1
September 1993	83.1	70.6	60.9	68.8	76.6	61.0
October 1992	87.1	67.3	73.0	77.1	82.3	68.3
Ohio						
October 1993	85.5	63.8	62.7	65.6	74.9	63.2
September 1993	81.4	59.3	60.1	62.9	69.5	55.8
October 1992	86.4	67.4	71.6	67.1	76.3	65.4
Wisconsin						
October 1993	82.0	70.0	70.9	70.8	79.6	61.7
September 1993	82.8	62.1	62.7	63.1	78.1	57.2
October 1992	84.1	68.4	71.8	76.8	79.7	65.5
PAD District III Average						
October 1993	82.3	55.4	61.4	NA	57.2	55.3
September 1993	72.7	51.4	56.4	54.1	52.6	52.1
October 1992	75.8	63.3	66.4	61.8	64.9	61.6
PAD District IV Average^b						
October 1993	93.2	NA	W	86.8	89.5	76.0
September 1993	84.0	55.2	W	85.3	68.7	64.9
October 1992	88.8	72.2	W	NA	82.1	71.3
Idaho						
October 1993	94.8	NA	W	W	94.5	79.7
September 1993	85.3	73.4	W	W	83.9	71.0
October 1992	89.6	79.9	NA	W	88.7	74.0

See footnotes at end of table.

**Table 39. No. 2 Fuel Oil Prices by Sales Type, PAD District,
and Selected States (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users ^a	Average	
PAD District V Average^b						
October 1993	102.1	84.3	80.0	74.5	95.1	70.0
September 1993	95.1	77.9	76.6	74.7	88.0	65.2
October 1992	94.0	77.6	70.6	80.0	87.9	64.6
Alaska						
October 1993	96.5	85.2	89.2	91.8	93.2	68.1
September 1993	94.8	79.6	82.3	89.8	89.8	65.2
October 1992	96.8	NA	W	NA	87.6	67.0
Oregon						
October 1993	100.2	81.9	W	W	95.8	82.5
September 1993	92.0	80.0	W	71.6	88.1	NA
October 1992	91.7	77.6	W	W	87.2	65.7
Washington						
October 1993	105.5	80.2	76.3	NA	95.0	77.0
September 1993	97.1	73.0	72.4	70.8	86.8	66.1
October 1992	94.5	74.7	66.7	W	89.5	63.3

^a Sales to "other end users" are all end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

^b Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

Table 40. Refiner No. 4 and Residual Fuel Oil Prices by PAD District
(Cents per Gallon Excluding Taxes)

Geographic Area Month	No. 4 Fuel		Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average Residual	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Average								
October 1993	49.6	45.2	38.7	31.8	29.1	25.7	31.7	28.4
September 1993	46.0	47.5	37.7	31.9	28.6	24.0	31.5	26.8
October 1992	57.9	52.7	44.7	41.4	37.3	35.5	39.2	37.4
PAD District I Average								
October 1993	50.5	45.7	38.8	34.5	31.9	29.0	34.7	32.7
September 1993	47.0	46.9	37.1	34.7	31.0	30.3	33.8	34.1
October 1992	57.1	53.4	44.5	45.4	39.4	40.9	41.4	43.5
Subdistrict IA Average								
October 1993	W	W	38.1	34.1	W	W	39.0	32.3
September 1993	W	W	35.9	W	W	W	33.2	W
October 1992	W	W	42.6	44.0	W	W	39.7	43.5
Subdistrict IB Average								
October 1993	50.5	47.9	W	34.9	30.6	29.5	36.2	33.3
September 1993	46.7	47.9	38.3	35.5	30.0	30.5	35.3	34.7
October 1992	58.4	53.4	W	45.8	39.6	40.4	43.4	43.7
Subdistrict IC Average								
October 1993	49.4	W	36.1	W	32.1	W	32.7	W
September 1993	47.0	W	W	W	31.7	W	32.3	32.8
October 1992	51.2	W	42.3	W	39.7	W	40.3	40.2
PAD District II Average								
October 1993	W	W	W	W	32.1	23.0	32.7	23.5
September 1993	W	W	41.5	W	30.0	24.1	30.9	24.5
October 1992	W	W	35.8	W	32.1	34.0	32.8	34.5
PAD District III Average								
October 1993	W	W	W	28.4	26.4	24.2	26.4	25.3
September 1993	W	-	W	27.6	26.6	23.7	26.6	24.4
October 1992	-	W	-	38.4	35.7	33.4	35.7	35.0
PAD District IV Average								
October 1993	-	-	W	W	W	W	W	21.9
September 1993	-	-	-	31.1	W	W	W	25.5
October 1992	-	-	-	28.0	18.3	W	18.3	20.5
PAD District V Average								
October 1993	W	W	38.6	24.1	27.8	26.0	30.4	25.7
September 1993	W	W	W	W	26.1	23.4	29.1	23.2
October 1992	W	W	45.8	33.4	36.0	35.6	38.0	35.4

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 41. Residual Fuel Oil Prices by PAD District and Selected States
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Average						
October 1993	39.1	32.0	30.4	27.2	32.7	29.1
September 1993	37.0	32.3	29.9	24.9	32.0	27.5
October 1992	42.8	42.4	38.1	35.9	39.6	39.0
PAD District I Average						
October 1993	39.4	35.1	31.6	27.9	34.2	31.8
September 1993	37.0	35.5	31.3	27.8	33.3	32.9
October 1992	43.1	45.4	39.8	40.7	41.1	43.8
Subdistrict IA Average^a						
October 1993	39.0	34.3	30.4	28.4	32.8	32.2
September 1993	37.2	34.7	29.2	28.6	32.4	33.2
October 1992	NA	44.3	36.1	W	35.4	43.7
Connecticut						
October 1993	37.8	36.3	W	-	38.8	36.3
September 1993	37.4	W	W	-	37.7	W
October 1992	44.0	44.0	W	-	44.1	44.0
Maine						
October 1993	40.0	W	31.5	31.4	33.5	W
September 1993	40.4	W	30.1	W	32.9	32.4
October 1992	46.0	W	38.3	W	39.3	W
Massachusetts						
October 1993	39.3	34.1	30.0	W	32.6	31.9
September 1993	36.0	W	30.2	W	32.3	33.2
October 1992	NA	44.7	35.5	W	33.1	43.8
New Hampshire						
October 1993	39.1	W	29.1	W	29.7	W
September 1993	38.4	-	28.0	-	28.7	-
October 1992	44.9	44.1	35.6	-	35.8	44.1
Rhode Island						
October 1993	37.8	W	W	-	37.8	W
September 1993	37.7	W	W	-	37.7	W
October 1992	45.6	W	W	-	45.6	W
Subdistrict IB Average^a						
October 1993	42.0	35.7	33.1	26.4	37.6	31.7
September 1993	39.2	36.3	32.3	26.6	35.7	33.3
October 1992	47.5	45.5	42.7	41.0	45.3	44.6
Delaware						
October 1993	35.4	W	28.8	NA	34.3	24.8
September 1993	35.7	W	31.5	NA	34.8	25.6
October 1992	43.7	-	39.7	-	42.7	-
Maryland						
October 1993	36.4	W	31.8	W	34.8	W
September 1993	34.8	W	28.2	W	30.9	W
October 1992	W	41.3	41.3	W	42.7	41.0
New Jersey						
October 1993	40.9	39.9	29.2	24.7	36.5	26.5
September 1993	38.9	39.2	31.5	25.0	36.4	32.0
October 1992	47.7	47.1	40.8	41.1	44.7	44.9
New York						
October 1993	45.1	37.4	34.1	33.5	39.0	36.9
September 1993	42.2	37.3	33.6	35.3	37.1	37.2
October 1992	48.1	47.3	43.9	42.8	46.2	46.8
Pennsylvania						
October 1993	42.7	27.4	31.1	30.6	34.3	29.2
September 1993	36.1	36.3	30.4	30.8	33.4	35.7
October 1992	46.1	43.2	40.2	W	42.4	41.4
Subdistrict IC Average^a						
October 1993	34.6	W	31.4	31.1	32.0	31.2
September 1993	33.7	W	31.3	29.4	31.9	31.5
October 1992	42.5	44.1	39.9	39.6	40.4	39.8
Florida						
October 1993	34.3	-	31.0	W	31.8	W
September 1993	33.4	-	30.8	28.9	31.6	28.9
October 1992	42.2	W	39.9	W	40.6	W
Georgia						
October 1993	-	-	35.2	W	35.2	W
September 1993	-	-	36.3	W	36.3	W
October 1992	-	-	39.8	-	39.8	-

See footnotes at end of table.

Table 41. Residual Fuel Oil Prices by PAD District and Selected States (Continued)
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
North Carolina						
October 1993	W	-	32.7	26.7	33.4	26.7
September 1993	W	-	32.5	W	33.0	W
October 1992	W	-	40.0	W	40.4	W
South Carolina						
October 1993	W	-	W	W	W	W
September 1993	W	-	W	W	W	W
October 1992	W	-	W	-	W	-
Virginia						
October 1993	36.1	W	30.9	W	31.3	W
September 1993	35.7	W	30.5	30.2	31.2	32.8
October 1992	51.3	W	39.5	39.1	39.6	39.4
PAD District II Average^a						
October 1993	41.3	45.3	33.3	24.1	34.8	27.2
September 1993	41.9	34.6	31.9	24.5	33.9	26.4
October 1992	39.4	37.6	33.7	29.4	35.1	30.2
Illinois						
October 1993	W	W	W	W	37.3	W
September 1993	W	28.4	W	W	W	19.7
October 1992	W	W	34.6	W	35.9	W
Indiana						
October 1993	37.8	-	29.9	21.3	30.5	21.3
September 1993	40.2	-	28.2	25.7	28.6	25.7
October 1992	W	W	33.5	W	34.0	27.2
Michigan						
October 1993	42.7	43.8	34.3	W	39.0	43.1
September 1993	42.9	44.0	34.6	W	40.3	43.9
October 1992	40.0	40.8	37.4	W	39.3	35.8
Minnesota						
October 1993	W	W	33.0	W	33.1	W
September 1993	W	W	31.7	W	31.7	W
October 1992	W	W	31.5	W	31.6	W
Ohio						
October 1993	39.5	W	33.4	W	34.2	W
September 1993	W	W	33.4	W	34.3	W
October 1992	44.5	NA	34.8	W	36.9	W
PAD District III Average^a						
October 1993	W	27.7	27.7	26.9	27.7	27.1
September 1993	W	27.1	27.5	24.2	27.6	24.9
October 1992	W	38.3	35.9	34.2	36.4	35.6
Alabama						
October 1993	W	W	31.9	NA	32.0	NA
September 1993	W	W	30.2	W	30.2	29.4
October 1992	-	-	37.7	W	37.7	W
Louisiana						
October 1993	NA	32.0	27.5	25.4	27.5	25.7
September 1993	W	W	28.2	25.3	28.2	25.1
October 1992	W	37.9	35.5	34.2	36.6	34.9
Mississippi						
October 1993	-	W	30.3	NA	30.3	W
September 1993	-	W	26.8	W	26.8	25.6
October 1992	-	-	W	-	W	-
Texas						
October 1993	NA	27.7	26.6	28.9	26.6	28.4
September 1993	-	28.1	26.8	23.6	26.8	24.7
October 1992	-	38.4	35.9	34.5	35.9	36.5
PAD District IV Average						
October 1993	W	W	31.4	W	28.2	21.9
September 1993	-	31.3	27.8	W	27.8	25.9
October 1992	W	28.0	NA	W	NA	20.5
PAD District V Average^a						
October 1993	38.8	25.9	28.5	28.0	30.7	27.7
September 1993	40.9	28.2	26.8	25.3	29.3	25.8
October 1992	45.6	39.3	36.4	35.8	38.1	37.2

See footnotes at end of table.

Table 41. Residual Fuel Oil Prices by PAD District and Selected States (Continued)
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
California						
October 1993	W	25.8	NA	29.2	NA	28.2
September 1993	W	28.2	26.0	26.6	26.2	27.0
October 1992	W	39.3	35.2	36.5	35.2	38.2
Hawaii						
October 1993	W	-	29.3	37.0	36.6	37.0
September 1993	W	-	29.4	W	38.1	W
October 1992	W	-	W	W	W	W
Oregon						
October 1993	-	-	NA	NA	NA	NA
September 1993	-	-	NA	35.6	NA	35.6
October 1992	-	-	38.1	39.3	38.1	39.3
Washington						
October 1993	W	-	28.1	24.7	28.2	24.7
September 1993	W	-	26.3	22.4	26.3	22.4
October 1992	W	-	36.3	34.0	36.3	34.0

* Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Sales
Volumes of
Petroleum
Products**

**Table 42. Refiner Total Motor Gasoline Volumes by Seller,
PAD District, and State**
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Total									
October 1993	1,196,915	56,872	6,313,657	444,144	18,298	1,853,226	1,641,059	75,170	8,166,882
September 1993	1,210,727	54,486	6,259,836	442,231	17,275	1,757,765	1,652,958	71,761	8,017,601
October 1992	1,278,554	54,950	6,410,551	474,934	20,929	1,853,356	1,753,488	75,879	8,263,907
PAD District I Total									
October 1993	363,063	20,700	2,465,207	72,389	9,775	274,806	435,452	30,475	2,740,013
September 1993	353,025	17,789	2,414,612	70,665	10,196	264,005	423,690	27,985	2,678,617
October 1992	393,262	15,768	2,459,950	77,476	11,765	302,955	470,738	27,533	2,762,905
Subdistrict 1A Total									
October 1993	19,394	W	W	-	W	W	19,394	2,869	350,002
September 1993	19,333	W	313,155	-	W	24,606	19,333	3,857	337,761
October 1992	20,505	W	328,323	-	W	24,410	20,505	3,303	352,733
Connecticut									
October 1993	W	W	W	-	W	W	W	366	98,463
September 1993	W	336	W	-	W	W	W	W	90,931
October 1992	W	504	W	-	W	W	W	W	99,411
Maine									
October 1993	-	W	W	-	-	W	-	W	45,779
September 1993	-	W	W	-	W	W	-	163	39,285
October 1992	-	W	W	-	W	W	-	103	41,130
Massachusetts									
October 1993	10,944	W	W	-	W	W	10,944	1,805	150,823
September 1993	10,675	W	W	-	W	W	10,675	2,294	155,446
October 1992	11,071	W	W	-	W	W	11,071	1,781	147,163
New Hampshire									
October 1993	2,552	W	W	-	W	W	2,552	253	14,302
September 1993	2,564	W	W	-	W	W	2,564	283	15,253
October 1992	W	W	W	-	W	W	W	159	23,114
Rhode Island									
October 1993	W	W	W	-	W	W	W	270	33,560
September 1993	W	W	W	-	W	W	W	309	30,922
October 1992	2,475	W	W	-	W	W	2,475	195	37,202
Vermont									
October 1993	-	W	W	-	W	W	-	W	7,075
September 1993	-	W	W	-	W	W	-	W	5,924
October 1992	-	-	W	-	W	W	-	W	4,713
Subdistrict 1B Total									
October 1993	133,605	W	W	29,745	W	W	163,350	12,043	1,136,223
September 1993	127,033	7,381	1,022,633	28,116	4,812	104,713	155,149	12,193	1,127,346
October 1992	135,394	W	1,025,683	30,593	W	127,308	165,987	11,068	1,152,991
Delaware									
October 1993	W	225	W	-	W	W	W	W	25,439
September 1993	W	W	W	-	-	W	W	W	24,893
October 1992	W	W	W	-	-	W	W	W	28,393
District of Columbia									
October 1993	-	W	W	-	-	W	-	W	13,057
September 1993	-	W	W	-	-	W	-	W	12,525
October 1992	-	W	W	-	-	W	-	W	12,717
Maryland									
October 1993	-	W	140,850	W	W	17,810	W	1,848	158,660
September 1993	-	W	W	-	W	W	-	1,719	150,691
October 1992	-	W	140,860	W	W	15,808	W	1,094	156,668
New Jersey									
October 1993	W	W	260,713	W	W	23,068	34,361	2,522	283,781
September 1993	W	W	258,116	W	W	22,872	33,531	2,711	280,988
October 1992	W	W	244,306	W	W	31,949	33,525	2,410	276,255
New York									
October 1993	W	W	290,672	W	W	30,161	59,777	3,197	320,833
September 1993	45,389	W	294,173	W	W	27,083	W	2,780	321,256
October 1992	W	W	301,325	W	W	35,671	64,208	2,268	336,996
Pennsylvania									
October 1993	54,848	1,686	297,580	13,348	2,278	36,873	68,196	3,964	334,453
September 1993	49,501	1,624	298,725	12,550	2,900	38,268	62,051	4,524	336,993
October 1992	53,678	1,314	301,939	13,680	3,385	40,023	67,358	4,699	341,962

See footnotes at end of table.

**Table 42. Refiner Total Motor Gasoline Volumes by Seller,
PAD District, and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Subdistrict (C) Total									
October 1993	210,064	11,924	1,107,835	42,644	3,639	145,953	252,708	15,563	1,253,788
September 1993	206,659	W	1,078,824	42,549	W	134,686	249,208	11,935	1,213,510
October 1992	237,363	9,073	1,105,944	46,883	4,089	151,237	284,246	13,162	1,257,181
Florida									
October 1993	98,249	W	332,504	11,026	W	46,845	109,275	6,666	379,349
September 1993	96,951	W	322,206	10,448	W	44,173	107,399	5,244	366,379
October 1992	116,105	W	326,601	11,158	W	53,647	127,263	5,802	380,248
Georgia									
October 1993	41,914	2,576	203,651	4,782	-	32,428	46,696	2,576	236,079
September 1993	41,780	2,166	199,205	4,638	-	31,104	46,418	2,166	230,309
October 1992	46,873	2,155	205,042	5,658	-	31,791	52,531	2,155	236,833
North Carolina									
October 1993	W	1,846	224,187	W	-	26,573	23,898	1,846	250,760
September 1993	W	W	228,167	W	W	19,074	23,260	702	247,241
October 1992	W	1,622	238,995	W	-	24,002	25,544	1,622	262,997
South Carolina									
October 1993	W	942	112,293	W	-	12,439	28,671	942	124,732
September 1993	W	W	W	W	W	W	28,352	544	118,288
October 1992	W	863	104,971	W	-	13,334	30,076	863	118,305
Virginia									
October 1993	W	1,815	212,067	W	380	22,679	28,300	2,195	234,746
September 1993	W	1,670	202,260	W	334	21,731	28,504	2,004	223,991
October 1992	W	W	207,263	W	W	23,428	32,464	1,379	230,691
West Virginia									
October 1993	W	W	23,133	W	W	4,989	15,868	1,338	28,122
September 1993	W	W	W	W	W	W	15,275	1,275	27,302
October 1992	W	W	23,072	W	W	5,035	16,368	1,341	28,107
PAD District II Total									
October 1993	443,641	21,034	1,674,236	175,696	1,988	622,968	619,337	23,022	2,297,205
September 1993	436,325	20,868	1,652,549	174,837	1,573	604,917	610,962	22,441	2,257,466
October 1992	466,450	22,019	1,692,950	185,539	1,339	625,777	651,989	23,358	2,318,727
Illinois									
October 1993	W	927	249,775	W	-	58,425	80,197	927	308,200
September 1993	W	W	246,087	W	W	47,203	77,225	1,215	293,290
October 1992	W	W	250,202	W	W	49,482	79,438	1,282	299,684
Indiana									
October 1993	W	W	134,205	W	W	32,230	52,327	626	166,435
September 1993	W	W	135,452	W	W	29,359	50,754	727	164,811
October 1992	W	W	137,567	W	W	36,233	50,880	792	173,800
Iowa									
October 1993	2,459	W	51,702	6,744	-	47,072	9,203	W	98,774
September 1993	2,340	W	55,627	6,926	-	44,791	9,266	W	100,418
October 1992	2,560	W	67,272	8,561	-	43,624	11,121	W	110,896
Kansas									
October 1993	8,099	W	35,068	11,633	W	71,135	19,732	742	106,203
September 1993	8,011	W	34,618	11,757	W	82,228	19,768	707	116,846
October 1992	8,548	W	35,665	11,025	W	83,869	19,573	521	119,534
Kentucky									
October 1993	25,257	2,425	108,790	1,970	-	9,251	27,227	2,425	118,041
September 1993	24,542	2,338	109,056	1,930	-	6,154	26,472	2,338	115,210
October 1992	25,193	2,109	106,911	3,492	-	8,302	28,685	2,109	115,213
Michigan									
October 1993	W	W	246,468	W	W	40,969	89,315	4,686	287,437
September 1993	W	W	239,219	W	W	44,437	88,842	4,276	283,656
October 1992	W	W	234,129	W	W	44,879	96,520	4,504	279,008
Minnesota									
October 1993	34,661	W	73,116	10,505	W	56,283	45,166	702	129,399
September 1993	33,413	W	75,534	10,174	W	48,263	43,587	709	123,797
October 1992	33,481	W	78,903	11,068	W	55,377	44,549	585	134,280
Missouri									
October 1993	19,512	W	107,239	17,706	W	55,312	37,218	1,427	162,551
September 1993	19,286	W	102,927	17,365	W	48,233	36,651	1,328	151,160
October 1992	23,478	W	104,103	17,818	W	56,236	41,296	1,234	160,339

See footnotes at end of table.

**Table 42. Refiner Total Motor Gasoline Volumes by Seller,
PAD District, and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Nebraska									
October 1993	W	W	28,041	W	W	29,308	5,718	250	57,349
September 1993	W	W	28,938	W	W	29,288	5,724	241	58,226
October 1992	W	W	27,222	W	W	32,228	6,667	234	59,450
North Dakota									
October 1993	W	W	14,110	W	-	13,727	470	W	27,837
September 1993	396	47	15,642	NA	-	16,858	399	47	32,500
October 1992	643	W	15,767	W	-	15,500	W	W	31,267
Ohio									
October 1993	W	W	225,156	W	W	18,322	160,659	7,811	243,478
September 1993	W	W	217,946	W	W	13,683	160,614	7,812	231,629
October 1992	W	W	219,984	W	W	13,972	172,987	8,256	233,956
Oklahoma									
October 1993	16,146	1,206	89,156	7,450	554	98,781	23,596	1,760	187,937
September 1993	16,661	W	77,260	7,073	W	101,945	23,734	1,404	179,205
October 1992	17,991	1,883	100,799	7,632	351	84,747	25,623	2,234	185,546
South Dakota									
October 1993	W	W	15,860	W	W	15,824	731	130	31,684
September 1993	W	W	18,318	W	W	15,241	727	39	33,559
October 1992	W	W	17,934	W	W	16,467	W	26	34,401
Tennessee									
October 1993	26,388	836	191,674	15,619	184	30,307	42,007	1,020	221,981
September 1993	26,744	842	189,773	15,213	189	29,321	41,957	1,031	219,094
October 1992	29,760	827	186,793	15,209	262	36,378	44,969	1,089	223,171
Wisconsin									
October 1993	W	W	103,878	W	W	46,022	25,771	332	149,900
September 1993	W	322	106,152	W	W	47,913	25,242	W	154,065
October 1992	W	W	109,699	W	W	48,483	28,268	268	158,182
PAD District III Total									
October 1993	151,944	5,938	840,953	89,720	3,505	614,595	241,664	9,443	1,455,548
September 1993	151,160	5,898	824,487	89,828	2,770	543,331	240,988	8,668	1,367,818
October 1992	169,275	5,401	942,507	108,119	1,506	598,033	277,394	6,907	1,540,540
Alabama									
October 1993	10,002	W	117,845	2,992	W	26,621	12,994	1,313	144,466
September 1993	9,872	W	121,283	2,931	W	27,366	12,803	1,250	148,649
October 1992	11,748	W	117,232	3,359	W	33,446	15,107	910	150,678
Arkansas									
October 1993	W	W	64,797	W	W	45,106	9,950	118	109,903
September 1993	W	W	65,879	W	W	50,969	9,575	116	116,848
October 1992	W	W	65,129	W	W	38,552	10,947	179	103,681
Louisiana									
October 1993	19,261	1,125	115,112	3,970	22	81,459	23,231	1,147	196,571
September 1993	18,882	1,048	101,755	4,065	42	49,200	22,947	1,090	150,955
October 1992	21,378	1,117	125,938	5,229	32	53,507	26,607	1,149	179,445
Mississippi									
October 1993	W	547	82,307	W	167	35,621	3,946	714	117,928
September 1993	W	432	80,243	W	213	27,899	3,889	645	108,142
October 1992	W	234	95,886	W	175	44,988	4,726	409	140,874
New Mexico									
October 1993	2,976	W	29,151	6,359	W	20,747	9,335	228	49,898
September 1993	2,882	364	32,710	6,834	80	22,728	9,716	444	55,438
October 1992	3,236	445	31,327	7,001	95	24,651	10,237	540	55,978
Texas									
October 1993	115,124	2,745	431,741	67,084	3,178	405,041	182,208	5,923	836,782
September 1993	114,937	W	422,617	67,121	W	365,169	182,058	5,123	787,786
October 1992	127,313	2,610	506,995	82,457	1,110	402,889	209,770	3,720	909,884
PAD District IV Total									
October 1993	36,788	513	140,567	28,148	578	83,137	64,936	1,091	223,704
September 1993	37,362	1,139	156,957	28,737	634	95,546	66,099	1,773	252,503
October 1992	40,003	657	143,256	30,273	998	105,437	70,276	1,655	248,693

See footnotes at end of table.

**Table 42. Refiner Total Motor Gasoline Volumes by Seller,
PAD District, and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Colorado									
October 1993	25,555	W	50,930	25,342	W	32,850	50,897	215	83,780
September 1993	25,723	W	51,507	25,606	W	34,351	51,329	W	85,858
October 1992	26,376	W	46,144	27,272	W	42,148	53,648	499	88,292
Idaho									
October 1993	-	W	23,591	W	-	12,399	W	W	35,990
September 1993	-	W	29,207	W	-	16,342	W	W	45,549
October 1992	W	W	26,387	W	-	15,781	364	W	42,168
Montana									
October 1993	-	W	20,105	W	W	11,596	W	174	31,701
September 1993	-	W	25,991	W	W	15,386	W	212	41,377
October 1992	W	W	21,383	W	218	15,692	W	W	37,075
Utah									
October 1993	W	W	37,358	W	W	16,274	11,394	540	53,632
September 1993	W	W	39,481	W	W	18,515	11,793	1,129	57,986
October 1992	W	W	39,045	W	W	19,993	11,393	543	59,038
Wyoming									
October 1993	W	83	8,583	W	W	10,018	2,056	W	18,801
September 1993	W	W	10,771	W	W	10,952	2,214	127	21,723
October 1992	W	W	10,297	1,321	W	11,823	W	286	22,120
PAD District V Total									
October 1993	201,479	8,687	1,192,692	78,191	2,452	257,720	279,670	11,139	1,450,412
September 1993	232,855	8,792	1,211,231	78,364	2,102	249,966	311,219	10,894	1,461,197
October 1992	209,564	11,105	1,171,888	73,527	5,321	221,154	283,091	16,426	1,393,042
Alaska									
October 1993	W	W	W	W	W	W	6,257	W	10,365
September 1993	W	W	W	W	W	W	6,714	W	13,178
October 1992	W	W	W	W	W	W	5,835	1,039	11,905
Arizona									
October 1993	W	W	74,404	W	W	11,654	28,884	922	86,058
September 1993	W	W	80,872	W	W	12,597	34,896	800	93,469
October 1992	W	W	72,495	W	W	13,143	33,114	2,168	85,638
California									
October 1993	131,828	W	834,329	59,393	W	195,478	191,221	5,326	1,029,807
September 1993	144,668	W	813,913	58,536	W	183,698	201,204	5,693	997,611
October 1992	126,468	7,618	794,992	52,270	1,509	160,759	178,738	9,127	955,751
Hawaii									
October 1993	W	W	W	W	W	W	5,426	W	21,816
September 1993	W	W	W	W	W	W	5,608	W	21,703
October 1992	W	W	W	W	W	W	5,810	W	22,124
Nevada									
October 1993	W	W	48,119	W	W	12,422	3,854	480	60,541
September 1993	W	W	44,051	W	W	9,747	4,624	308	53,798
October 1992	W	W	39,424	W	W	10,107	4,352	286	49,531
Oregon									
October 1993	W	W	72,067	W	W	17,613	11,311	332	89,680
September 1993	W	W	89,482	W	W	18,241	13,869	394	107,703
October 1992	W	188	89,300	W	W	13,402	13,556	W	102,702
Washington									
October 1993	W	320	137,843	W	-	14,302	32,717	320	152,145
September 1993	W	406	155,628	W	-	18,107	44,304	406	173,735
October 1992	W	W	148,308	W	W	17,083	41,686	657	165,391

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 43. Refiner Motor Gasoline Volumes by Grade,
PAD District, and State**
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Total								
October 1993	-	-	1,120,837	5,652,714	279,559	882,111	315,833	1,632,058
September 1993	17,091	96,725	1,108,163	5,444,268	274,937	848,403	324,528	1,630,205
October 1992	20,687	120,414	1,200,246	5,667,039	283,842	867,522	324,592	1,608,932
PAD District I Total								
October 1993	-	-	275,362	1,618,019	85,682	388,091	104,883	733,903
September 1993	W	W	263,420	1,582,829	W	W	105,742	719,152
October 1992	W	W	301,145	1,629,598	W	W	106,821	733,109
Subdistrict IA Total								
October 1993	-	-	12,268	212,538	4,340	47,402	5,655	90,062
September 1993	-	-	12,912	205,330	4,269	46,647	6,009	85,784
October 1992	-	-	13,508	215,253	4,382	46,365	5,918	91,115
Connecticut								
October 1993	-	-	2,140	53,590	783	15,369	W	29,504
September 1993	-	-	2,505	50,409	794	15,421	W	25,101
October 1992	-	-	2,828	54,526	986	13,938	W	30,947
Maine								
October 1993	-	-	W	30,289	W	5,266	W	10,224
September 1993	-	-	W	26,528	W	5,123	W	7,634
October 1992	-	-	W	28,509	W	5,157	W	7,464
Massachusetts								
October 1993	-	-	6,936	94,678	2,501	19,098	3,312	37,047
September 1993	-	-	7,146	96,199	2,481	18,897	3,342	40,350
October 1992	-	-	7,387	89,476	2,348	18,035	3,117	38,652
New Hampshire								
October 1993	-	-	1,659	9,100	522	2,327	624	2,875
September 1993	-	-	1,664	9,506	478	2,515	705	3,232
October 1992	-	-	1,669	16,394	W	W	686	W
Rhode Island								
October 1993	-	-	1,364	20,396	W	4,305	596	8,859
September 1993	-	-	1,376	18,952	W	3,831	617	8,139
October 1992	-	-	1,482	23,318	550	4,644	638	9,240
Vermont								
October 1993	-	-	W	4,485	-	1,037	-	1,553
September 1993	-	-	W	3,736	-	860	-	1,328
October 1992	-	-	W	3,030	-	W	-	W
Subdistrict IB Total								
October 1993	-	-	108,194	650,474	28,146	146,765	39,053	338,984
September 1993	W	W	101,435	652,662	W	W	39,264	332,744
October 1992	W	W	111,110	655,137	W	W	37,434	347,908
Delaware								
October 1993	-	-	W	15,321	248	5,200	W	4,918
September 1993	-	-	558	14,943	223	5,080	W	4,890
October 1992	-	-	W	14,340	226	5,004	202	9,049
District of Columbia								
October 1993	-	-	W	3,918	W	2,670	W	6,469
September 1993	-	-	W	3,779	W	2,524	W	6,222
October 1992	-	-	W	4,239	W	2,657	W	5,821
Maryland								
October 1993	-	-	1,323	79,917	W	33,645	356	45,098
September 1993	-	-	1,183	77,126	252	29,992	284	43,573
October 1992	-	-	818	79,918	NA	33,169	W	43,581
New Jersey								
October 1993	-	-	20,350	149,715	5,679	30,434	10,854	103,632
September 1993	-	-	19,600	152,501	5,492	31,330	11,150	97,157
October 1992	-	-	19,434	148,695	5,988	31,439	10,513	96,121
New York								
October 1993	-	-	41,145	186,734	8,643	34,697	13,186	99,402
September 1993	W	-	39,691	187,373	8,088	33,665	13,738	100,218
October 1992	W	W	43,953	193,407	W	W	13,535	109,124
Pennsylvania								
October 1993	-	-	44,638	214,869	13,199	40,119	14,323	79,465
September 1993	W	W	W	216,940	12,483	W	13,792	80,684
October 1992	W	-	46,041	214,538	13,026	43,212	W	84,212
Subdistrict IC Total								
October 1993	-	-	154,900	755,007	53,196	193,924	60,175	304,857
September 1993	W	-	149,073	724,637	W	188,249	60,469	300,624
October 1992	W	W	176,527	759,208	W	W	63,469	294,086

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade,
PAD District, and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Florida								
October 1993	-	-	61,755	209,641	23,366	62,547	30,790	107,161
September 1993	-	-	58,689	200,918	22,461	60,763	31,493	104,698
October 1992	-	-	72,172	210,771	26,521	65,892	34,372	103,585
Georgia								
October 1993	-	-	29,069	147,892	9,965	34,157	10,238	54,030
September 1993	-	-	28,324	142,750	9,908	33,738	10,352	53,821
October 1992	-	-	33,784	148,312	10,268	37,046	10,634	51,475
North Carolina								
October 1993	-	-	16,294	160,662	4,986	35,705	4,464	54,393
September 1993	-	-	15,233	158,129	4,663	36,328	4,066	52,784
October 1992	-	-	18,299	170,616	4,902	38,507	3,965	53,874
South Carolina								
October 1993	-	-	19,180	82,571	5,455	17,117	4,978	25,044
September 1993	-	-	18,602	77,972	5,282	16,188	5,012	24,128
October 1992	-	W	21,156	79,112	5,323	W	4,460	21,353
Virginia								
October 1993	-	-	17,045	135,879	6,196	39,864	7,254	59,003
September 1993	-	-	17,184	127,464	6,158	36,895	7,166	59,832
October 1992	-	-	19,365	132,652	7,013	39,849	7,465	58,190
West Virginia								
October 1993	-	-	11,557	18,362	3,198	4,534	2,451	5,226
September 1993	W	-	11,041	17,404	W	4,537	2,380	5,361
October 1992	W	-	11,751	17,745	W	4,753	2,573	5,609
PAD District II Total								
October 1993	-	-	447,945	1,761,705	98,747	195,719	95,667	339,782
September 1993	W	W	439,612	1,734,075	W	W	97,289	336,223
October 1992	W	W	476,244	1,806,083	W	W	95,446	315,589
Illinois								
October 1993	-	-	53,303	221,899	13,133	30,893	14,688	55,608
September 1993	-	W	52,185	210,929	12,421	W	13,834	52,526
October 1992	-	W	54,387	215,454	13,077	W	13,256	51,127
Indiana								
October 1993	-	-	36,383	120,188	8,174	18,979	8,396	27,268
September 1993	W	W	35,399	118,762	W	W	8,259	25,702
October 1992	W	W	36,599	125,853	7,689	W	W	24,069
Iowa								
October 1993	-	-	8,142	91,576	417	374	W	6,824
September 1993	W	-	8,125	92,347	W	832	844	7,239
October 1992	W	-	9,125	101,183	1,058	1,682	1,041	8,031
Kansas								
October 1993	-	-	16,669	95,775	1,573	1,708	2,232	8,720
September 1993	-	-	16,483	105,412	1,585	1,712	2,407	9,722
October 1992	W	25	15,663	107,252	W	2,562	2,699	9,695
Kentucky								
October 1993	-	-	19,240	74,708	5,055	20,896	5,357	22,437
September 1993	W	W	18,616	72,170	W	W	5,211	22,534
October 1992	W	85	20,324	77,644	W	16,963	5,400	20,521
Michigan								
October 1993	-	-	70,392	214,630	11,779	27,072	11,830	45,735
September 1993	-	W	68,124	210,061	11,726	W	13,268	47,651
October 1992	W	1,426	76,721	209,089	12,067	26,747	W	41,746
Minnesota								
October 1993	-	-	35,585	110,831	5,420	6,779	4,863	11,789
September 1993	W	-	33,988	107,134	5,327	6,300	W	10,363
October 1992	W	-	34,373	117,731	5,589	5,900	W	10,649
Missouri								
October 1993	-	-	27,727	127,558	5,328	8,792	5,590	26,201
September 1993	-	-	26,999	118,814	5,214	7,710	5,766	24,636
October 1992	W	-	29,641	126,245	W	9,982	6,641	24,112
Nebraska								
October 1993	-	-	5,205	52,654	252	W	511	W
September 1993	W	W	5,145	54,703	W	W	539	3,418
October 1992	W	W	4,671	55,920	1,632	W	W	2,823
North Dakota								
October 1993	-	-	421	25,435	W	W	34	W
September 1993	-	W	360	29,072	W	W	W	1,583
October 1992	W	W	595	28,190	43	W	80	1,369

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade,
PAD District, and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Ohio								
October 1993	-	-	111,458	175,505	32,023	29,654	24,989	38,319
September 1993	W	W	111,951	168,816	30,961	W	W	37,417
October 1992	W	W	124,393	175,301	32,616	W	W	35,142
Oklahoma								
October 1993	-	-	17,724	164,847	3,608	2,084	4,024	21,006
September 1993	-	W	17,191	157,856	3,785	W	4,182	19,405
October 1992	W	1,308	19,318	161,504	W	2,855	4,594	19,879
South Dakota								
October 1993	-	-	804	27,806	W	W	W	W
September 1993	-	W	725	30,379	W	W	W	2,349
October 1992	-	W	734	31,805	W	W	W	1,889
Tennessee								
October 1993	-	-	24,980	137,641	9,059	34,609	8,988	49,731
September 1993	-	-	24,822	135,747	9,011	32,835	9,155	50,512
October 1992	-	-	27,645	142,043	9,357	35,920	9,056	45,208
Wisconsin								
October 1993	-	-	19,912	120,652	2,870	9,653	3,321	19,595
September 1993	-	-	19,499	123,873	W	9,026	3,389	21,166
October 1992	-	-	22,055	130,869	2,949	7,984	3,532	19,329
PAD District III Total								
October 1993	-	-	150,204	1,072,685	48,218	140,035	52,885	242,828
September 1993	1,108	8,121	146,774	974,359	48,104	139,524	53,670	245,814
October 1992	1,665	12,989	171,682	1,139,801	53,165	145,903	57,789	241,847
Alabama								
October 1993	-	-	8,268	94,402	3,017	19,599	3,022	30,465
September 1993	-	W	8,109	96,626	2,935	W	3,009	32,176
October 1992	-	-	9,751	101,162	3,300	21,155	2,966	28,361
Arkansas								
October 1993	-	-	6,919	79,970	1,831	9,795	1,318	20,138
September 1993	-	W	6,604	86,885	1,786	W	1,301	20,456
October 1992	-	53	7,649	75,556	2,066	10,133	1,411	17,939
Louisiana								
October 1993	-	-	13,305	142,465	5,115	19,479	5,958	34,627
September 1993	-	-	12,967	96,825	5,085	20,007	5,985	34,123
October 1992	-	-	15,289	123,455	5,780	23,025	6,687	32,965
Mississippi								
October 1993	-	-	2,960	79,440	W	13,034	W	25,454
September 1993	-	-	2,857	73,527	851	12,545	826	22,070
October 1992	-	-	3,360	107,768	W	13,771	W	19,335
New Mexico								
October 1993	-	-	8,088	43,114	W	1,550	W	5,234
September 1993	W	5,720	7,677	42,404	W	1,866	1,095	5,448
October 1992	1,131	8,227	8,036	41,653	W	833	W	5,265
Texas								
October 1993	-	-	110,664	633,294	36,992	76,578	40,475	126,910
September 1993	W	2,350	108,560	578,092	W	75,803	41,454	131,541
October 1992	534	4,709	127,597	690,207	40,594	76,986	44,765	137,982
PAD District IV Total								
October 1993	-	-	43,447	176,038	11,866	11,386	10,714	36,280
September 1993	1,344	24,711	43,210	176,772	11,676	11,465	11,642	39,555
October 1992	3,317	32,347	47,657	169,873	9,131	9,938	11,826	36,535
Colorado								
October 1993	-	-	34,427	64,365	9,507	7,436	7,178	11,979
September 1993	W	1,572	33,714	63,189	9,448	7,963	7,830	13,134
October 1992	W	5,265	36,810	59,367	W	8,121	8,072	15,539
Idaho								
October 1993	-	-	261	30,526	-	W	W	W
September 1993	69	W	303	30,516	-	W	W	5,332
October 1992	91	10,078	332	28,154	-	-	W	3,936
Montana								
October 1993	-	-	448	26,454	-	-	W	5,247
September 1993	W	7,297	526	28,187	-	-	W	5,893
October 1992	W	7,354	2,042	25,239	-	-	W	4,482

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade,
PAD District, and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Utah								
October 1993	-	-	6,652	39,041	W	3,371	W	11,220
September 1993	W	4,408	7,026	38,982	W	2,829	3,223	11,777
October 1992	W	6,928	6,760	40,359	W	W	2,821	W
Wyoming								
October 1993	-	-	1,659	15,652	W	W	411	W
September 1993	W	W	1,641	15,898	W	W	485	3,419
October 1992	W	2,722	1,713	16,754	-	W	446	W
PAD District V Total								
October 1993	-	-	203,879	1,024,267	35,046	146,880	51,884	279,265
September 1993	14,345	59,401	215,148	976,433	36,436	135,902	56,184	289,461
October 1992	15,022	66,541	203,518	921,684	28,267	122,965	52,710	281,852
Alaska								
October 1993	-	-	5,897	9,163	-	-	W	1,202
September 1993	W	584	6,037	11,368	-	-	971	1,226
October 1992	457	788	5,572	9,918	-	-	845	1,199
Arizona								
October 1993	-	-	23,911	70,915	W	W	W	W
September 1993	4,004	11,821	24,969	65,665	137	1,191	6,586	14,792
October 1992	4,323	12,854	25,451	59,030	165	444	5,343	13,310
California								
October 1993	-	-	128,567	689,011	33,303	137,041	34,677	203,755
September 1993	-	-	135,001	658,779	34,556	127,071	37,340	211,761
October 1992	W	-	126,099	626,547	W	116,387	35,383	212,817
Hawaii								
October 1993	-	-	5,015	11,799	W	2,603	2,201	7,414
September 1993	-	-	4,924	11,650	W	2,504	2,312	7,549
October 1992	-	-	5,326	12,253	W	2,321	2,343	7,550
Nevada								
October 1993	-	-	3,218	43,230	585	5,818	531	11,493
September 1993	-	106	3,579	39,556	W	5,020	W	9,116
October 1992	W	294	3,367	37,128	W	3,751	609	8,358
Oregon								
October 1993	-	-	9,791	77,375	W	-	W	12,305
September 1993	W	18,373	10,037	75,306	W	W	1,990	W
October 1992	2,409	22,256	9,488	67,780	W	W	1,881	W
Washington								
October 1993	-	-	27,480	122,774	W	W	W	W
September 1993	7,803	28,517	30,601	114,109	W	W	W	W
October 1992	7,822	30,349	28,215	109,028	-	W	6,306	W

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 44. Refiner Volumes of Aviation Fuels and Propane
by PAD District and State
(Thousand Gallons)**

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Total						
October 1993	6,757	19,383	1,307,820	235,159	148,724	879,946
September 1993	6,820	21,184	1,285,043	240,105	84,441	819,968
October 1992	6,694	19,330	1,248,608	280,648	134,458	850,417
PAD District I Total						
October 1993	2,732	4,111	369,716	39,931	25,097	122,614
September 1993	2,647	3,270	363,772	33,085	17,040	120,171
October 1992	3,019	3,784	340,864	52,846	21,244	123,366
Subdistrict IA Total						
October 1993	W	W	33,255	2,220	W	6,797
September 1993	W	W	31,938	2,334	W	5,481
October 1992	W	W	33,350	4,152	W	5,545
Connecticut						
October 1993	W	W	5,824	W	W	939
September 1993	W	W	6,458	W	W	1,084
October 1992	W	W	7,224	W	W	1,280
Maine						
October 1993	W	-	W	W	W	379
September 1993	W	-	W	W	W	W
October 1992	W	-	W	W	W	W
Massachusetts						
October 1993	W	W	21,717	1,584	W	658
September 1993	W	W	20,579	1,626	W	521
October 1992	W	W	18,835	3,724	W	2,114
New Hampshire						
October 1993	W	W	670	W	W	W
September 1993	W	W	637	W	W	92
October 1992	W	W	604	W	W	1,196
Rhode Island						
October 1993	W	W	1,474	W	-	W
September 1993	W	W	910	W	-	W
October 1992	W	W	1,517	-	-	W
Vermont						
October 1993	W	W	W	W	W	983
September 1993	W	W	W	W	W	297
October 1992	W	W	W	W	W	586
Subdistrict IB Total						
October 1993	W	W	186,406	26,456	W	40,261
September 1993	W	W	179,701	19,888	W	38,530
October 1992	W	W	179,098	39,507	W	44,303
Delaware						
October 1993	W	W	106	W	-	W
September 1993	W	W	W	W	-	W
October 1992	W	-	95	W	-	W
District of Columbia						
October 1993	W	-	-	-	-	-
September 1993	-	-	W	-	-	-
October 1992	-	-	-	-	-	-
Maryland						
October 1993	W	W	6,924	W	W	W
September 1993	W	W	7,233	W	W	W
October 1992	W	W	7,337	W	W	W
New Jersey						
October 1993	W	W	132,443	17,700	1,759	7,324
September 1993	249	W	132,249	11,410	W	7,022
October 1992	W	W	132,967	30,122	342	9,773
New York						
October 1993	W	353	15,552	2,196	W	8,301
September 1993	W	175	10,136	2,245	W	5,419
October 1992	W	W	9,369	1,667	W	7,606
Pennsylvania						
October 1993	W	294	31,381	6,081	W	19,988
September 1993	W	51	29,484	5,890	NA	18,123
October 1992	W	139	29,330	7,412	W	21,779
Subdistrict IC Total						
October 1993	1,610	2,460	150,055	11,265	18,837	75,556
September 1993	1,524	2,210	152,133	10,863	13,715	76,160
October 1992	1,732	2,713	128,416	9,187	15,591	73,518

See footnotes at end of table.

**Table 44. Refiner Volumes of Aviation Fuels and Propane
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Florida						
October 1993	946	1,072	93,904	6,541	W	15,785
September 1993	861	1,023	87,218	5,838	W	13,561
October 1992	984	1,439	53,451	4,967	W	13,848
Georgia						
October 1993	133	W	42,495	1,540	3,598	14,543
September 1993	178	457	41,542	2,416	W	15,201
October 1992	193	431	31,155	1,483	2,187	15,116
North Carolina						
October 1993	W	W	6,720	1,030	7,931	23,935
September 1993	W	W	6,370	1,032	7,001	26,533
October 1992	W	W	8,315	678	W	25,051
South Carolina						
October 1993	W	211	W	W	1,879	14,005
September 1993	W	160	W	W	W	13,803
October 1992	W	175	2,050	W	W	11,884
Virginia						
October 1993	198	222	34,399	1,712	1,677	W
September 1993	172	212	34,223	1,151	1,082	W
October 1992	W	W	32,827	1,657	1,777	6,832
West Virginia						
October 1993	W	54	W	W	W	W
September 1993	W	W	W	W	W	W
October 1992	W	W	618	W	W	787
PAD District II Total						
October 1993	1,754	5,167	244,741	26,139	49,231	357,805
September 1993	1,782	5,103	224,133	34,054	31,991	284,189
October 1992	1,446	5,237	254,838	28,953	59,932	363,367
Illinois						
October 1993	W	W	40,118	2,965	10,042	42,348
September 1993	W	W	39,198	2,914	5,764	34,423
October 1992	W	W	32,454	3,870	10,398	44,440
Indiana						
October 1993	96	896	50,733	1,475	5,270	21,471
September 1993	54	837	36,218	4,373	2,929	11,755
October 1992	50	862	41,108	6,367	5,411	25,367
Iowa						
October 1993	W	293	1,318	606	W	26,595
September 1993	W	329	W	791	W	13,161
October 1992	W	298	W	935	W	30,787
Kansas						
October 1993	W	390	5,259	W	W	107,199
September 1993	W	359	W	W	W	93,890
October 1992	W	390	9,015	W	W	87,136
Kentucky						
October 1993	W	139	18,042	1,510	W	12,740
September 1993	W	W	15,752	1,404	W	12,503
October 1992	46	W	19,673	1,978	1,836	11,670
Michigan						
October 1993	W	W	26,105	2,704	10,080	8,404
September 1993	W	W	24,914	1,993	6,848	7,484
October 1992	W	W	30,398	1,323	9,699	9,404
Minnesota						
October 1993	W	427	25,566	1,599	W	33,477
September 1993	W	508	24,108	1,459	W	15,236
October 1992	W	465	25,317	1,934	W	38,148
Missouri						
October 1993	W	389	10,544	2,449	W	20,548
September 1993	W	338	12,006	2,687	W	23,436
October 1992	W	476	8,716	2,309	703	22,661
Nebraska						
October 1993	W	197	1,403	567	W	12,607
September 1993	W	165	1,480	659	W	7,276
October 1992	W	214	1,863	441	W	11,960
North Dakota						
October 1993	67	W	495	153	W	7,074
September 1993	W	W	548	226	W	8,295
October 1992	W	W	560	169	W	8,699

See footnotes at end of table.

**Table 44. Refiner Volumes of Aviation Fuels and Propane
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Ohio						
October 1993	W	297	28,311	2,921	4,437	18,926
September 1993	W	351	24,193	3,264	2,408	15,856
October 1992	W	292	29,691	2,791	4,219	26,787
Oklahoma						
October 1993	W	320	13,710	6,931	887	19,155
September 1993	W	330	15,927	11,918	258	17,663
October 1992	50	320	35,289	3,803	W	20,193
South Dakota						
October 1993	W	W	395	W	W	4,818
September 1993	W	W	381	W	W	4,082
October 1992	W	W	W	W	W	5,211
Tennessee						
October 1993	202	311	18,009	669	W	5,556
September 1993	190	405	17,041	717	W	5,690
October 1992	215	369	14,683	1,199	W	6,371
Wisconsin						
October 1993	-	467	4,733	721	3,293	16,887
September 1993	-	440	4,475	850	3,024	13,419
October 1992	-	441	4,432	1,021	3,693	14,533
PAD District III Total						
October 1993	727	3,819	232,782	111,941	63,779	325,598
September 1993	714	4,688	269,125	105,517	25,662	334,351
October 1992	706	4,124	281,587	119,864	40,399	289,900
Alabama						
October 1993	W	264	3,002	724	2,400	13,146
September 1993	98	460	2,899	607	1,234	13,194
October 1992	146	263	3,742	670	1,870	13,908
Arkansas						
October 1993	W	W	307	W	W	8,509
September 1993	W	W	410	718	W	6,812
October 1992	W	398	327	711	W	7,786
Louisiana						
October 1993	W	143	54,387	6,901	7,962	21,941
September 1993	W	134	73,721	10,252	6,955	20,948
October 1992	W	W	60,004	12,544	6,678	19,514
Mississippi						
October 1993	111	147	18,738	W	2,113	22,667
September 1993	W	231	17,639	2,491	W	21,484
October 1992	100	226	19,020	13,933	W	23,834
New Mexico						
October 1993	W	W	6,289	714	W	14,216
September 1993	W	W	6,363	806	W	11,570
October 1992	W	W	3,857	906	6,893	13,178
Texas						
October 1993	299	2,695	150,059	96,496	42,060	245,118
September 1993	301	3,208	168,093	90,643	6,985	260,343
October 1992	255	2,768	194,637	91,100	21,415	211,680
PAD District IV Total						
October 1993	280	1,043	43,234	4,125	3,353	24,838
September 1993	336	1,033	43,440	5,360	2,894	27,946
October 1992	189	1,071	36,275	4,027	W	24,553
Colorado						
October 1993	W	464	25,425	2,293	72	8,685
September 1993	W	442	25,743	3,258	75	9,565
October 1992	W	501	18,026	2,509	39	7,726
Idaho						
October 1993	W	W	W	241	W	52
September 1993	W	61	1,331	324	W	87
October 1992	W	W	977	286	W	W
Montana						
October 1993	W	W	1,584	W	W	5,244
September 1993	W	W	1,415	W	W	7,284
October 1992	W	W	1,784	W	W	6,598

See footnotes at end of table.

**Table 44. Refiner Volumes of Aviation Fuels and Propane
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Utah						
October 1993	23	396	14,866	1,221	1,264	1,688
September 1993	42	398	14,747	1,592	W	2,304
October 1992	W	378	15,313	800	W	W
Wyoming						
October 1993	W	W	W	W	565	9,169
September 1993	37	W	204	W	380	8,706
October 1992	W	W	175	W	253	7,353
PAD District V Total						
October 1993	1,264	5,243	417,347	53,023	7,264	49,091
September 1993	1,341	7,100	384,573	62,089	6,854	53,331
October 1992	1,334	5,114	335,244	74,958	W	49,231
Alaska						
October 1993	W	601	55,017	3,840	W	W
September 1993	W	1,325	47,435	4,326	W	W
October 1992	W	W	41,163	4,311	W	W
Arizona						
October 1993	W	499	16,369	2,371	W	922
September 1993	W	354	16,682	4,267	W	W
October 1992	W	W	15,714	1,706	W	W
California						
October 1993	598	2,788	250,647	40,290	W	33,167
September 1993	672	3,031	223,392	40,747	W	33,922
October 1992	644	2,903	185,805	56,606	W	33,532
Hawaii						
October 1993	W	W	24,983	W	W	W
September 1993	W	W	26,817	401	W	W
October 1992	W	W	29,031	W	W	W
Nevada						
October 1993	W	W	15,689	1,780	W	666
September 1993	W	W	15,355	1,965	W	874
October 1992	W	W	12,311	2,316	W	614
Oregon						
October 1993	W	487	10,871	W	W	306
September 1993	W	687	11,136	1,498	W	307
October 1992	W	470	10,541	W	W	417
Washington						
October 1993	82	W	43,771	2,937	W	11,738
September 1993	115	W	43,756	8,885	W	13,805
October 1992	W	617	40,679	8,591	W	11,492

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. totals equal the sum of the volumes for all States. In certain PAD Districts, however, volumes are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 45. Refiner Volumes of Kerosene and Distillates
by PAD District and State
(Thousand Gallons)**

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Total						
October 1993	5,917	67,264	8,819	52,296	747,357	3,130,305
September 1993	4,508	55,798	8,319	41,420	705,836	3,037,800
October 1992	5,790	80,218	11,685	73,675	776,629	3,140,745
PAD District I Total						
October 1993	3,829	39,254	250	3,822	213,323	922,661
September 1993	3,209	26,362	459	2,117	211,695	824,883
October 1992	3,156	46,460	1,551	7,157	235,423	955,721
Subdistrict IA Total						
October 1993	134	3,704	44	497	12,880	119,167
September 1993	199	3,218	W	370	12,088	87,742
October 1992	W	3,309	445	1,920	13,970	100,368
Connecticut						
October 1993	W	W	-	W	3,042	48,553
September 1993	W	W	W	W	3,279	29,887
October 1992	W	W	W	101	2,744	34,913
Maine						
October 1993	W	1,816	W	361	W	14,467
September 1993	W	1,061	W	331	797	10,523
October 1992	W	1,472	W	1,037	959	13,714
Massachusetts						
October 1993	W	913	-	W	7,374	25,575
September 1993	W	W	W	W	6,481	31,601
October 1992	W	650	W	W	8,012	29,491
New Hampshire						
October 1993	W	W	W	W	650	4,276
September 1993	W	W	W	W	701	W
October 1992	W	W	W	W	682	4,385
Rhode Island						
October 1993	-	W	W	W	720	24,074
September 1993	-	W	-	W	508	10,402
October 1992	-	W	W	W	1,073	15,042
Vermont						
October 1993	-	W	-	W	W	2,222
September 1993	-	W	-	W	322	W
October 1992	-	W	-	W	500	2,823
Subdistrict IB Total						
October 1993	3,012	14,313	106	1,045	79,068	471,577
September 1993	2,561	11,916	W	483	76,514	428,483
October 1992	2,193	19,225	495	3,444	80,597	520,529
Delaware						
October 1993	-	W	-	-	1,310	15,587
September 1993	-	W	-	-	W	W
October 1992	-	W	-	W	1,508	W
District of Columbia						
October 1993	-	-	-	-	212	694
September 1993	-	-	-	-	W	W
October 1992	-	W	-	-	97	W
Maryland						
October 1993	6	2,264	W	-	9,859	24,801
September 1993	W	W	5	-	9,954	21,645
October 1992	W	2,512	31	40	9,178	31,544
New Jersey						
October 1993	481	W	-	-	17,177	200,080
September 1993	W	3,125	W	W	16,549	171,893
October 1992	W	3,069	W	516	16,218	209,915
New York						
October 1993	2,267	3,747	W	W	20,291	93,757
September 1993	1,337	2,665	W	W	19,711	78,227
October 1992	1,581	4,468	182	1,466	21,012	108,864
Pennsylvania						
October 1993	258	6,477	78	567	30,219	136,658
September 1993	196	4,407	W	257	27,616	140,479
October 1992	300	9,097	231	1,332	32,584	149,327
Subdistrict IC Total						
October 1993	683	21,237	100	2,280	121,375	331,917
September 1993	449	11,228	206	1,264	123,093	308,658
October 1992	W	23,926	611	1,793	140,856	334,824

See footnotes at end of table.

**Table 45. Refiner Volumes of Kerosene and Distillates
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Florida						
October 1993	W	983	W	W	35,655	70,719
September 1993	W	316	W	W	37,681	72,928
October 1992	W	1,188	W	W	44,213	80,280
Georgia						
October 1993	78	1,360	-	W	26,884	69,991
September 1993	W	819	-	W	25,611	61,446
October 1992	45	1,208	W	51	29,192	71,766
North Carolina						
October 1993	W	10,526	W	68	19,502	69,055
September 1993	11	5,077	W	385	20,169	64,644
October 1992	96	10,523	W	613	21,321	71,378
South Carolina						
October 1993	79	3,790	-	W	10,919	29,333
September 1993	20	2,186	-	W	11,040	28,382
October 1992	81	4,379	W	W	12,789	27,321
Virginia						
October 1993	114	4,231	W	1,554	16,778	79,480
September 1993	210	2,444	W	598	15,565	66,988
October 1992	157	5,949	199	916	20,672	67,718
West Virginia						
October 1993	79	347	56	212	11,837	13,339
September 1993	19	386	W	W	13,027	14,270
October 1992	71	679	W	99	12,669	16,361
PAD District II Total						
October 1993	1,655	15,155	4,422	31,686	264,432	965,340
September 1993	1,146	11,874	4,459	25,492	250,893	905,706
October 1992	2,213	13,521	5,336	43,193	273,905	919,797
Illinois						
October 1993	127	1,000	W	1,556	17,688	115,440
September 1993	111	656	W	1,101	20,424	93,646
October 1992	157	510	W	2,062	21,356	113,866
Indiana						
October 1993	86	1,111	45	1,111	34,035	96,882
September 1993	W	1,282	49	892	32,821	82,004
October 1992	W	1,176	103	1,928	35,235	88,090
Iowa						
October 1993	-	274	W	2,386	8,536	59,610
September 1993	-	139	W	1,462	10,104	45,913
October 1992	-	93	W	2,641	8,938	63,486
Kansas						
October 1993	-	139	W	2,550	10,795	58,374
September 1993	-	W	-	1,697	11,446	71,004
October 1992	-	126	W	3,743	15,699	59,922
Kentucky						
October 1993	323	1,531	W	427	25,225	45,449
September 1993	122	992	W	273	23,174	43,105
October 1992	132	1,725	W	1,034	26,191	48,382
Michigan						
October 1993	91	2,825	W	6,479	20,785	70,881
September 1993	47	2,346	W	4,266	16,592	68,535
October 1992	85	1,841	W	5,933	18,139	69,969
Minnesota						
October 1993	W	638	821	2,854	9,849	73,488
September 1993	W	881	W	2,761	10,338	63,710
October 1992	W	229	993	4,167	11,181	72,672
Missouri						
October 1993	-	253	W	887	10,514	55,340
September 1993	-	358	W	698	9,964	48,401
October 1992	-	159	W	913	11,159	54,072
Nebraska						
October 1993	-	W	W	1,879	11,930	30,327
September 1993	-	203	-	1,682	5,571	28,142
October 1992	-	39	W	2,744	W	33,460
North Dakota						
October 1993	-	W	W	1,571	W	19,116
September 1993	-	74	W	1,369	W	22,785
October 1992	W	W	W	2,354	3,868	21,977

See footnotes at end of table.

**Table 45. Refiner Volumes of Kerosene and Distillates
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Ohio						
October 1993	766	4,478	79	444	57,637	88,484
September 1993	616	3,022	47	507	55,043	80,668
October 1992	771	4,838	116	1,141	62,034	76,318
Oklahoma						
October 1993	W	39	116	3,012	13,168	90,190
September 1993	W	W	172	3,167	16,202	101,591
October 1992	W	52	W	6,284	12,669	62,660
South Dakota						
October 1993	-	89	W	2,304	W	22,874
September 1993	-	124	W	1,721	W	19,795
October 1992	-	W	W	2,856	W	22,191
Tennessee						
October 1993	221	2,456	-	645	29,998	72,184
September 1993	195	1,504	W	579	26,122	67,672
October 1992	53	2,676	W	792	29,364	67,603
Wisconsin						
October 1993	W	W	45	3,581	8,137	66,701
September 1993	W	143	26	3,317	7,974	68,735
October 1992	W	39	82	4,601	7,977	64,929
PAD District III Total						
October 1993	117	12,222	799	1,772	130,176	707,249
September 1993	W	NA	849	2,463	115,256	737,386
October 1992	W	18,972	620	2,913	127,238	680,281
Alabama						
October 1993	19	852	-	W	13,598	44,944
September 1993	W	388	-	W	12,990	47,390
October 1992	24	594	W	W	14,122	42,320
Arkansas						
October 1993	-	83	-	W	11,815	56,950
September 1993	-	86	-	W	9,976	45,414
October 1992	W	189	-	W	10,739	41,230
Louisiana						
October 1993	W	6,435	-	W	5,492	149,315
September 1993	W	NA	-	W	4,448	131,165
October 1992	W	5,663	W	W	19,743	127,190
Mississippi						
October 1993	W	W	-	W	8,312	62,674
September 1993	W	W	-	W	5,794	73,539
October 1992	-	W	W	-	7,294	83,058
New Mexico						
October 1993	-	W	W	276	6,549	20,204
September 1993	-	51	W	48	5,632	18,453
October 1992	-	W	-	658	8,851	22,612
Texas						
October 1993	W	469	W	366	74,409	373,162
September 1993	W	2,588	W	475	66,416	421,425
October 1992	W	600	W	1,515	66,489	363,871
PAD District IV Total						
October 1993	W	203	971	7,354	36,612	113,688
September 1993	W	112	623	4,324	30,612	118,341
October 1992	-	169	1,260	9,657	31,412	110,351
Colorado						
October 1993	-	W	590	2,367	10,062	29,765
September 1993	-	W	W	1,344	8,163	30,593
October 1992	-	W	478	3,950	7,895	31,846
Idaho						
October 1993	-	W	W	781	W	19,752
September 1993	-	W	W	458	W	19,685
October 1992	-	W	W	853	W	18,531
Montana						
October 1993	-	-	W	1,881	W	19,553
September 1993	-	-	W	1,226	W	20,850
October 1992	-	-	W	2,125	W	16,422

See footnotes at end of table.

**Table 45. Refiner Volumes of Kerosene and Distillates
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Utah						
October 1993	-	W	W	983	9,396	24,696
September 1993	-	W	W	541	6,563	25,369
October 1992	-	W	275	1,139	8,286	23,097
Wyoming						
October 1993	W	W	153	1,342	10,663	19,922
September 1993	W	W	124	755	9,023	21,844
October 1992	-	-	328	1,590	8,611	20,455
PAD District V Total						
October 1993	W	430	2,377	7,662	102,814	421,367
September 1993	-	777	1,929	7,024	97,379	451,283
October 1992	W	1,096	2,918	10,755	108,651	474,595
Alaska						
October 1993	-	-	1,621	4,507	2,966	17,981
September 1993	-	-	1,002	4,524	3,145	19,814
October 1992	-	-	2,391	6,390	5,294	19,584
Arizona						
October 1993	W	W	W	56	10,472	23,879
September 1993	-	W	-	100	10,018	24,882
October 1992	W	W	73	W	11,472	22,429
California						
October 1993	-	236	W	697	44,928	210,845
September 1993	-	452	W	678	43,036	225,868
October 1992	-	W	W	581	51,976	257,044
Hawaii						
October 1993	-	-	W	W	10,750	4,274
September 1993	-	-	W	12	11,005	5,195
October 1992	-	-	W	W	11,457	6,274
Nevada						
October 1993	-	-	W	259	2,839	19,986
September 1993	-	-	W	154	3,226	20,273
October 1992	-	-	W	358	2,958	19,145
Oregon						
October 1993	-	W	W	797	12,802	58,731
September 1993	-	W	W	509	10,996	52,624
October 1992	-	W	W	1,250	12,625	54,487
Washington						
October 1993	-	W	93	1,343	18,057	85,671
September 1993	-	W	42	1,047	15,953	102,627
October 1992	-	W	60	1,795	12,869	95,632

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. totals equal the sum of the volumes for all States. In certain PAD Districts, however, volumes are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 46. Refiner No. 4 and Residual Fuel Oil Volumes by PAD District
(Thousand Gallons)

Geographic Area Month	No. 4 Fuel		Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Total Residual	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Total								
October 1993	17,456	12,919	116,310	197,661	311,348	242,173	427,658	439,834
September 1993	15,591	3,966	157,317	133,950	335,305	241,418	492,622	375,368
October 1992	15,876	15,997	157,802	129,856	452,600	276,526	610,402	406,382
PAD District I Total								
October 1993	13,137	9,228	76,687	132,778	114,521	63,656	191,208	196,434
September 1993	8,995	2,861	129,736	83,982	154,076	12,977	283,812	96,959
October 1992	9,741	9,119	124,731	67,130	191,200	51,833	315,931	118,963
Subdistrict IA Total								
October 1993	W	W	W	W	W	W	11,382	102,762
September 1993	W	W	W	W	W	W	40,625	W
October 1992	W	W	W	W	W	W	39,190	27,188
Subdistrict IB Total								
October 1993	11,574	4,745	W	62,150	W	W	86,750	W
September 1993	7,580	2,002	82,638	37,549	46,325	6,544	128,963	44,093
October 1992	6,668	7,685	W	52,676	W	32,892	121,079	85,568
Subdistrict IC Total								
October 1993	W	W	14,558	W	78,518	W	93,076	W
September 1993	W	W	W	W	W	W	114,224	W
October 1992	W	W	35,965	W	119,697	W	155,662	6,207
PAD District II Total								
October 1993	W	W	W	W	W	W	5,502	21,163
September 1993	W	W	527	W	6,093	W	6,620	22,967
October 1992	W	W	1,082	W	4,390	W	5,472	13,069
PAD District III Total								
October 1993	W	W	W	37,457	71,219	106,650	W	144,107
September 1993	W	-	W	39,179	W	177,731	67,923	216,910
October 1992	-	W	-	47,008	137,636	104,544	137,636	151,552
PAD District IV Total								
October 1993	-	-	W	W	W	W	W	16,973
September 1993	-	-	-	W	W	W	W	4,065
October 1992	-	-	-	W	660	W	660	4,706
PAD District V Total								
October 1993	W	W	38,624	11,284	120,118	49,874	158,742	61,158
September 1993	W	W	W	W	106,739	W	W	34,467
October 1992	W	W	31,989	11,761	118,714	106,331	150,703	118,092

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Prime Supplier
Sales Volumes
of Petroleum
Products
for Local
Consumption**

**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,
PAD District and State**
(Thousand Gallons)

Geographic Area Month	Leaded Regular ¹	Regular ¹	Midgrade ¹	Premium ¹	Total
U.S. Total					
October 1993	-	6,793,895	1,201,037	1,955,073	9,950,005
September 1993	113,958	6,512,922	1,178,448	1,982,625	9,787,952
October 1992	144,314	7,058,433	1,197,035	1,952,892	10,352,674
PAD District I Total					
October 1993	-	2,087,878	519,318	891,134	3,498,130
September 1993	182	2,019,458	504,617	877,564	3,401,821
October 1992	186	2,149,178	528,736	869,308	3,547,408
Subdistrict IA Total					
October 1993	-	305,498	70,204	115,259	490,961
September 1993	W	293,829	W	115,222	478,304
October 1992	-	321,114	65,962	114,860	501,936
Connecticut					
October 1993	-	68,422	19,654	29,797	117,873
September 1993	-	63,511	18,990	30,327	112,828
October 1992	-	71,526	17,694	32,842	122,062
Maine					
October 1993	-	46,113	8,290	11,354	65,757
September 1993	-	44,146	8,461	11,528	64,135
October 1992	-	43,820	7,919	10,642	62,381
Massachusetts					
October 1993	-	125,891	28,962	51,218	206,071
September 1993	W	121,817	W	50,341	200,644
October 1992	-	123,202	26,284	48,256	197,742
New Hampshire					
October 1993	-	24,060	4,820	6,993	35,873
September 1993	-	23,180	4,849	7,159	35,188
October 1992	-	33,414	5,026	7,315	45,755
Rhode Island					
October 1993	-	27,094	5,812	11,405	44,311
September 1993	-	28,076	5,911	11,619	45,806
October 1992	-	35,801	6,545	11,903	54,249
Vermont					
October 1993	-	13,918	2,666	4,492	21,076
September 1993	-	13,099	2,556	4,048	19,703
October 1992	-	13,351	2,494	3,902	19,747
Subdistrict IB Total					
October 1993	-	813,869	191,787	396,459	1,402,115
September 1993	128	789,502	185,106	386,724	1,361,460
October 1992	W	855,887	W	391,882	1,442,824
Delaware					
October 1993	-	19,715	6,889	6,025	32,629
September 1993	-	19,123	6,785	6,150	32,058
October 1992	-	18,561	6,672	10,348	35,581
District of Columbia					
October 1993	-	4,400	2,767	6,843	13,810
September 1993	-	4,271	2,631	6,399	13,301
October 1992	-	5,029	2,793	6,153	13,975
Maryland					
October 1993	-	86,917	32,747	45,987	165,651
September 1993	-	83,227	31,174	44,873	159,274
October 1992	-	87,594	34,980	43,647	166,221
New Jersey					
October 1993	-	167,159	39,860	113,563	320,582
September 1993	-	164,309	38,762	105,146	308,217
October 1992	-	208,461	40,683	105,907	355,051
New York					
October 1993	-	267,897	50,980	128,276	447,153
September 1993	W	257,519	W	129,805	435,865
October 1992	W	256,107	W	124,707	429,284
Pennsylvania					
October 1993	-	267,781	58,544	95,985	422,290
September 1993	W	261,053	W	94,351	412,745
October 1992	W	280,136	W	101,120	442,713

See footnotes at end of table.

**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,
PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Leaded Regular ¹	Regular ¹	Midgrade ¹	Premium ¹	Total
Subdistrict IC Total					
October 1993	-	968,311	257,327	379,416	1,605,054
September 1993	W	936,127	W	375,618	1,562,057
October 1992	W	972,177	W	362,565	1,602,647
Florida					
October 1993	-	280,667	88,287	141,250	510,204
September 1993	-	271,138	86,118	139,055	496,311
October 1992	-	284,079	92,786	138,974	515,839
Georgia					
October 1993	-	195,983	48,127	69,430	313,520
September 1993	W	189,744	W	69,021	305,826
October 1992	W	191,531	W	64,954	305,723
North Carolina					
October 1993	-	187,317	42,557	59,801	289,675
September 1993	-	185,766	42,265	59,608	287,639
October 1992	-	196,880	44,238	57,645	298,763
South Carolina					
October 1993	-	107,110	22,456	30,740	160,306
September 1993	-	104,217	22,545	30,345	157,107
October 1992	W	104,126	W	26,597	154,758
Virginia					
October 1993	-	162,364	47,746	69,387	279,497
September 1993	-	154,816	44,323	69,505	268,644
October 1992	-	162,782	48,884	65,470	277,135
West Virginia					
October 1993	-	34,890	8,154	8,808	51,852
September 1993	W	30,446	W	8,084	46,530
October 1992	W	32,779	W	8,926	50,429
PAD District II Total					
October 1993	-	2,191,931	297,048	434,112	2,923,091
September 1993	4,966	2,136,874	288,913	442,814	2,873,567
October 1992	9,440	2,327,040	299,193	422,871	3,058,544
Illinois					
October 1993	-	261,454	46,943	68,808	377,205
September 1993	W	259,111	W	66,945	371,834
October 1992	W	310,817	W	72,016	433,172
Indiana					
October 1993	-	164,992	28,790	36,723	230,505
September 1993	W	154,041	W	35,563	218,783
October 1992	W	168,251	W	32,489	232,544
Iowa					
October 1993	-	111,825	1,401	8,012	121,238
September 1993	W	107,108	W	8,591	117,226
October 1992	W	112,779	W	8,921	124,811
Kansas					
October 1993	-	103,782	3,937	11,602	119,321
September 1993	W	103,031	W	12,493	119,496
October 1992	32	105,201	4,270	12,315	121,818
Kentucky					
October 1993	-	108,343	27,061	32,180	167,584
September 1993	W	100,499	W	31,273	159,294
October 1992	93	108,795	24,672	29,424	162,984
Michigan					
October 1993	-	291,853	38,886	57,788	388,527
September 1993	522	285,062	37,071	61,545	384,200
October 1992	1,674	290,077	38,686	54,377	384,814
Minnesota					
October 1993	-	149,772	12,041	14,751	176,564
September 1993	121	145,116	11,580	15,615	172,432
October 1992	190	153,938	11,184	15,817	181,129
Missouri					
October 1993	-	168,250	17,730	34,970	220,950
September 1993	W	158,741	W	33,535	210,463
October 1992	15	168,477	19,583	32,208	220,283

See footnotes at end of table.

**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,
PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Leaded Regular ¹	Regular ¹	Midgrade ¹	Premium ¹	Total
Nebraska					
October 1993	-	59,922	253	3,654	63,829
September 1993	138	60,464	249	3,992	64,843
October 1992	341	60,437	2,103	3,364	66,245
North Dakota					
October 1993	-	27,470	W	W	29,973
September 1993	W	30,314	W	1,712	33,919
October 1992	W	28,380	W	1,428	31,572
Ohio					
October 1993	-	286,169	60,585	63,108	409,862
September 1993	W	279,165	W	63,739	401,682
October 1992	W	302,042	W	60,066	418,106
Oklahoma					
October 1993	-	127,928	6,222	20,880	155,030
September 1993	W	120,393	W	23,379	150,020
October 1992	1,321	164,831	6,603	23,407	196,162
South Dakota					
October 1993	-	30,687	W	W	33,336
September 1993	W	31,264	W	2,395	34,517
October 1992	W	32,716	W	1,898	35,325
Tennessee					
October 1993	-	151,683	39,514	54,660	245,857
September 1993	-	154,311	38,472	56,965	249,748
October 1992	W	163,056	W	51,249	256,998
Wisconsin					
October 1993	-	147,801	12,159	23,350	183,310
September 1993	W	148,234	W	25,072	185,310
October 1992	W	157,243	W	23,892	192,781
PAD District III Total					
October 1993	-	1,029,529	186,189	263,601	1,481,319
September 1993	9,233	992,393	188,649	271,806	1,462,081
October 1992	14,649	1,215,437	197,516	274,911	1,702,513
Alabama					
October 1993	-	105,552	22,986	34,390	162,928
September 1993	-	106,831	23,160	36,095	166,086
October 1992	-	112,145	24,861	31,909	168,915
Arkansas					
October 1993	-	93,020	11,907	22,401	127,328
September 1993	W	96,629	W	23,319	131,681
October 1992	W	86,794	W	19,985	119,152
Louisiana					
October 1993	-	102,722	24,391	40,059	167,172
September 1993	-	94,313	24,943	39,686	158,942
October 1992	-	126,959	28,617	39,401	194,977
Mississippi					
October 1993	-	77,233	14,623	20,234	112,090
September 1993	-	71,507	14,521	21,031	107,059
October 1992	-	110,086	13,899	20,169	144,154
New Mexico					
October 1993	-	59,519	1,844	6,589	67,952
September 1993	6,848	50,728	2,283	6,791	66,650
October 1992	9,520	50,880	1,040	6,525	67,965
Texas					
October 1993	-	591,483	112,438	139,928	843,849
September 1993	W	572,385	W	144,884	831,683
October 1992	W	728,573	W	156,922	1,007,350
PAD District IV Total					
October 1993	-	245,262	23,551	47,344	316,157
September 1993	26,613	223,257	23,256	51,537	324,663
October 1992	36,453	221,638	18,646	48,559	325,296
Colorado					
October 1993	-	102,294	17,231	19,448	138,973
September 1993	2,402	98,487	17,501	21,337	139,727
October 1992	7,707	98,970	14,963	24,072	145,712

See footnotes at end of table.

**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,
PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Leaded Regular ¹	Regular ¹	Midgrade ¹	Premium ¹	Total
Idaho					
October 1993	-	38,627	W	W	44,282
September 1993	W	31,363	W	5,415	46,679
October 1992	10,423	29,348	-	4,004	43,775
Montana					
October 1993	-	33,230	-	5,299	38,529
September 1993	7,309	28,636	-	5,944	41,889
October 1992	7,676	27,115	-	4,914	39,705
Utah					
October 1993	-	50,451	5,583	14,093	70,127
September 1993	4,790	46,018	5,051	14,808	70,667
October 1992	7,223	46,856	W	W	70,155
Wyoming					
October 1993	-	20,660	W	W	24,246
September 1993	W	18,753	W	4,033	25,701
October 1992	3,424	19,349	W	W	25,949
PAD District V Total					
October 1993	-	1,239,495	172,931	318,882	1,731,308
September 1993	72,964	1,140,941	173,011	338,904	1,725,820
October 1992	83,586	1,145,140	152,944	337,244	1,718,914
Alaska					
October 1993	-	15,883	-	2,482	18,365
September 1993	928	17,531	-	2,197	20,656
October 1992	1,244	15,523	-	2,043	18,810
Arizona					
October 1993	-	105,005	1,582	19,831	126,418
September 1993	15,406	91,411	1,370	21,323	129,510
October 1992	18,930	94,281	728	18,877	132,816
California					
October 1993	-	770,289	161,229	228,423	1,159,941
September 1993	-	748,838	161,899	242,882	1,153,619
October 1992	W	760,759	143,710	W	1,154,246
Hawaii					
October 1993	-	16,820	3,652	9,625	30,097
September 1993	-	16,588	3,528	9,658	29,774
October 1992	-	17,509	3,354	9,888	30,751
Nevada					
October 1993	-	46,152	6,318	9,371	61,841
September 1993	141	41,876	6,040	9,713	57,770
October 1992	354	42,629	5,064	10,026	58,073
Oregon					
October 1993	-	109,801	W	W	123,923
September 1993	20,406	80,927	W	W	117,282
October 1992	W	77,749	W	14,541	117,128
Washington					
October 1993	-	175,545	W	W	210,723
September 1993	36,083	143,770	W	W	217,209
October 1992	36,271	136,690	W	W	207,090

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

¹ From October 1993 forward, sales of leaded gasoline will not be collected separately, but will be included in the appropriate regular, midgrade, and premium categories.

Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
U.S. Total							
October 1993	27,125	1,580,406	94,530	1,095,259	361,022	655,700	1,016,722
September 1993	27,716	1,554,395	129,581	953,417	384,705	714,781	1,099,486
October 1992	26,220	1,578,217	184,877	1,072,551	391,799	655,198	1,246,997
PAD District I Total							
October 1993	6,802	409,980	W	178,053	272,574	369,684	642,258
September 1993	6,027	401,430	W	167,917	300,144	359,611	659,755
October 1992	6,860	390,349	W	184,578	272,552	343,305	615,857
Subdistrict IA Total							
October 1993	865	36,037	W	12,297	74,813	99,577	174,390
September 1993	845	34,371	W	10,628	62,871	72,080	134,951
October 1992	1,006	37,511	W	15,326	35,678	73,716	109,394
Connecticut							
October 1993	143	6,134	-	1,832	6,575	-	6,575
September 1993	128	6,949	-	1,980	9,052	-	9,052
October 1992	113	7,577	-	2,661	W	W	12,351
Maine							
October 1993	W	W	-	1,759	7,743	22,242	29,985
September 1993	W	W	-	1,408	11,574	23,098	34,672
October 1992	W	W	-	1,611	3,817	15,616	19,433
Massachusetts							
October 1993	281	23,381	-	2,835	56,664	57,601	114,265
September 1993	W	22,221	-	2,688	37,568	30,877	68,445
October 1992	W	23,569	W	4,453	17,041	35,681	52,722
New Hampshire							
October 1993	77	965	-	3,038	1,193	18,929	20,122
September 1993	56	768	-	2,545	1,355	17,729	19,084
October 1992	88	641	-	3,627	893	21,224	22,117
Rhode Island							
October 1993	W	1,865	W	687	W	W	2,540
September 1993	W	957	W	644	W	W	3,093
October 1992	W	1,517	-	825	W	W	1,861
Vermont							
October 1993	46	W	-	2,146	W	W	903
September 1993	59	W	-	1,363	W	W	605
October 1992	68	W	-	2,149	W	W	910
Subdistrict IB Total							
October 1993	1,860	215,674	W	55,044	145,911	108,015	253,926
September 1993	1,412	203,397	W	48,390	141,901	99,730	241,631
October 1992	1,408	213,052	W	58,541	190,655	109,627	300,282
Delaware							
October 1993	W	232	W	W	18,771	7,753	26,524
September 1993	37	W	-	W	21,803	W	W
October 1992	W	286	W	W	W	W	W
District of Columbia							
October 1993	W	-	-	-	W	-	W
September 1993	-	W	-	-	W	-	W
October 1992	-	-	-	-	W	-	W
Maryland							
October 1993	218	7,561	W	W	W	4,852	W
September 1993	119	7,424	-	W	W	W	30,410
October 1992	W	7,485	W	W	W	W	24,585
New Jersey							
October 1993	595	158,460	W	8,738	17,520	18,573	36,093
September 1993	639	146,904	W	6,620	20,579	9,601	30,180
October 1992	416	157,350	-	10,533	35,220	16,723	51,943
New York							
October 1993	443	12,600	-	14,009	76,307	50,738	127,045
September 1993	334	12,499	-	11,085	60,694	51,883	112,577
October 1992	345	11,160	W	14,288	128,903	52,202	181,105
Pennsylvania							
October 1993	568	36,821	-	24,704	12,161	26,099	38,260
September 1993	283	35,820	-	20,786	28,009	16,005	44,014
October 1992	406	36,771	W	25,349	10,375	22,553	32,928

See footnotes at end of table.

Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State (Continued)
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
Subdistrict IC Total							
October 1993	4,077	158,269	-	110,712	51,850	162,092	213,942
September 1993	3,770	163,662	-	108,899	95,372	187,801	283,173
October 1992	4,446	139,786	-	110,711	46,219	159,962	206,181
Florida							
October 1993	2,019	67,433	-	22,903	50,201	109,362	159,563
September 1993	1,925	72,656	-	21,815	74,564	108,864	183,428
October 1992	2,424	58,402	-	23,449	43,528	91,522	135,050
Georgia							
October 1993	607	44,365	-	24,650	W	W	11,073
September 1993	635	44,114	-	22,985	-	11,789	11,789
October 1992	624	32,993	-	25,036	-	13,305	13,305
North Carolina							
October 1993	544	7,964	-	35,999	W	W	19,211
September 1993	465	8,028	-	38,802	W	W	18,647
October 1992	610	9,769	-	35,509	W	22,803	W
South Carolina							
October 1993	327	2,481	-	15,295	W	W	W
September 1993	285	2,609	-	14,712	W	W	W
October 1992	316	3,141	-	13,892	W	W	W
Virginia							
October 1993	424	35,498	-	10,076	497	14,170	14,667
September 1993	379	35,642	-	9,312	W	W	57,361
October 1992	361	34,784	-	11,152	324	22,069	22,393
West Virginia							
October 1993	156	528	-	1,789	W	W	W
September 1993	81	613	-	1,273	-	W	W
October 1992	111	697	-	1,673	W	W	3,182
PAD District II Total							
October 1993	7,943	280,026	25,470	440,358	1,296	21,463	22,759
September 1993	6,890	252,690	29,644	334,697	1,798	29,444	31,242
October 1992	6,783	281,057	25,442	474,444	8,845	21,623	30,468
Illinois							
October 1993	621	30,280	W	58,977	W	W	174
September 1993	W	27,378	-	41,467	W	W	W
October 1992	W	21,756	W	65,273	W	W	W
Indiana							
October 1993	879	54,299	5,704	33,673	-	4,007	4,007
September 1993	898	38,454	W	20,247	W	W	8,115
October 1992	1,011	43,707	W	39,988	W	W	1,975
Iowa							
October 1993	309	1,924	W	41,791	-	W	W
September 1993	335	2,154	W	21,614	-	-	-
October 1992	307	2,007	W	51,398	-	W	W
Kansas							
October 1993	406	5,889	W	89,719	-	-	-
September 1993	391	7,058	W	78,350	W	-	W
October 1992	426	9,521	W	88,730	W	-	W
Kentucky							
October 1993	252	19,595	-	14,773	-	W	W
September 1993	147	17,246	-	14,038	W	W	W
October 1992	161	21,705	-	15,873	W	W	469
Michigan							
October 1993	942	28,781	-	21,634	W	W	1,074
September 1993	1,008	26,900	-	19,585	W	W	1,050
October 1992	650	31,722	-	27,201	161	1,450	1,611
Minnesota							
October 1993	453	32,812	W	39,358	-	4,719	4,719
September 1993	527	25,662	W	22,507	-	6,240	6,240
October 1992	497	27,252	W	49,626	W	W	6,963
Missouri							
October 1993	413	28,045	W	29,485	W	W	W
September 1993	369	29,439	W	30,391	W	W	W
October 1992	499	24,142	W	30,509	W	W	W

See footnotes at end of table.

Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State (Continued)
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
Nebraska							
October 1993	222	1,970	-	13,704	-	W	W
September 1993	177	2,138	-	8,180	-	W	W
October 1992	240	2,305	-	13,504	-	W	W
North Dakota							
October 1993	W	648	W	7,302	-	W	W
September 1993	77	774	W	9,021	-	W	W
October 1992	W	729	W	8,823	-	-	-
Ohio							
October 1993	752	32,117	W	30,217	W	W	2,680
September 1993	799	27,491	W	17,623	W	W	3,425
October 1992	724	35,096	W	23,841	W	W	3,764
Oklahoma							
October 1993	354	17,783	W	21,073	W	-	W
September 1993	371	21,565	W	18,954	-	-	-
October 1992	371	39,088	6,804	21,155	W	W	2,800
South Dakota							
October 1993	W	647	W	5,948	-	W	W
September 1993	W	650	W	5,623	-	W	W
October 1992	W	674	W	6,792	-	W	W
Tennessee							
October 1993	1,565	19,753	W	9,034	W	W	1,182
September 1993	595	20,375	W	8,598	W	W	948
October 1992	584	15,872	W	10,793	W	W	1,590
Wisconsin							
October 1993	475	5,483	-	23,570	W	W	5,520
September 1993	440	5,406	-	18,499	-	4,081	4,081
October 1992	441	5,481	-	20,938	W	W	3,707
PAD District III Total							
October 1993	4,241	352,492	45,923	379,465	35,343	139,290	174,633
September 1993	5,083	374,498	73,817	347,889	45,289	179,070	224,359
October 1992	4,830	427,911	103,869	317,799	62,959	243,938	306,897
Alabama							
October 1993	381	4,576	W	16,922	W	W	11,883
September 1993	558	3,638	W	15,663	W	5,815	W
October 1992	407	4,522	W	16,806	-	9,646	9,646
Arkansas							
October 1993	331	919	W	12,516	-	-	-
September 1993	392	1,233	W	10,958	-	-	-
October 1992	405	1,038	W	12,273	-	W	W
Louisiana							
October 1993	283	67,962	26,208	27,449	W	W	67,824
September 1993	W	81,069	34,449	25,686	W	W	81,870
October 1992	314	73,361	41,148	24,240	21,087	127,243	148,330
Mississippi							
October 1993	W	19,996	5,508	22,963	W	W	11,044
September 1993	355	19,081	5,759	21,460	W	W	17,742
October 1992	325	42,405	7,407	22,609	-	W	W
New Mexico							
October 1993	W	7,764	W	21,281	W	W	753
September 1993	W	7,169	W	18,640	W	-	W
October 1992	354	4,763	W	19,598	W	W	382
Texas							
October 1993	2,644	251,275	11,463	278,334	21,837	61,492	83,329
September 1993	3,189	262,308	27,085	255,482	23,240	95,404	118,644
October 1992	3,025	301,822	48,046	222,273	W	W	147,578
PAD District IV Total							
October 1993	1,337	47,229	10,660	26,729	2,105	580	2,685
September 1993	1,376	48,343	11,929	28,960	2,949	624	3,573
October 1992	1,302	40,354	W	24,985	2,776	1,546	4,322
Colorado							
October 1993	534	27,532	W	8,693	-	-	-
September 1993	505	28,542	W	9,504	W	-	W
October 1992	546	20,534	W	8,249	W	-	W

See footnotes at end of table.

Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State (Continued)
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
Idaho							
October 1993	W	1,479	-	2,299	-	-	-
September 1993	W	1,656	-	2,432	-	W	W
October 1992	W	1,264	-	2,227	-	-	-
Montana							
October 1993	W	1,871	W	4,723	W	W	W
September 1993	W	1,495	W	5,790	-	W	W
October 1992	W	2,134	W	5,171	-	W	W
Utah							
October 1993	420	16,114	4,753	3,374	W	W	W
September 1993	440	16,339	7,590	3,820	W	W	612
October 1992	385	16,112	5,953	3,632	W	W	W
Wyoming							
October 1993	73	233	W	7,640	W	W	W
September 1993	109	311	W	7,414	W	W	W
October 1992	56	310	W	5,706	W	W	W
PAD District V Total							
October 1993	6,802	490,679	W	70,654	49,704	124,683	174,387
September 1993	8,340	477,434	W	73,954	34,525	146,032	180,557
October 1992	6,445	438,546	32,689	70,745	44,667	244,786	289,453
Alaska							
October 1993	1,298	58,760	W	W	-	W	W
September 1993	1,651	51,961	W	W	-	W	W
October 1992	W	45,474	W	W	-	W	W
Arizona							
October 1993	689	18,681	W	3,185	-	W	W
September 1993	461	21,707	W	4,153	W	-	W
October 1992	578	17,777	W	3,924	W	-	W
California							
October 1993	3,297	294,584	W	42,717	W	NA	58,045
September 1993	3,602	278,391	W	43,786	W	W	73,221
October 1992	3,546	253,335	30,409	41,182	12,645	101,716	114,361
Hawaii							
October 1993	W	25,784	-	W	W	W	48,008
September 1993	W	27,220	-	W	W	W	36,630
October 1992	W	29,333	-	W	W	W	W
Nevada							
October 1993	W	17,204	-	2,022	W	W	W
September 1993	W	17,425	-	2,183	-	W	W
October 1992	333	15,427	W	2,225	W	-	W
Oregon							
October 1993	507	13,498	-	3,420	-	W	W
September 1993	694	12,636	-	3,868	-	W	W
October 1992	492	11,666	-	4,337	-	20,329	20,329
Washington							
October 1993	682	62,168	-	14,242	-	56,928	56,928
September 1993	1,477	68,094	-	14,930	-	58,758	58,758
October 1992	698	65,534	-	14,334	-	76,914	76,914

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils
by PAD District and State**
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
U.S. Total							
October 1993	81,042	64,532	1,220,511	2,733,631	3,954,142	29,339	4,129,054
September 1993	50,758	51,495	1,276,828	2,418,709	3,695,537	25,273	3,823,063
October 1992	80,434	69,793	1,741,051	2,453,518	4,194,569	36,576	4,411,372
PAD District I Total							
October 1993	56,839	8,010	635,396	704,660	1,340,056	23,962	1,428,866
September 1993	33,976	7,018	644,561	602,568	1,247,129	18,082	1,306,205
October 1992	60,818	10,986	926,751	527,175	1,453,926	25,725	1,551,455
Subdistrict IA Total							
October 1993	7,766	522	161,223	67,836	229,059	4,998	242,345
September 1993	6,544	597	138,435	59,106	197,541	3,798	208,480
October 1992	7,495	2,161	204,531	44,935	249,466	7,623	266,745
Connecticut							
October 1993	1,029	31	33,178	16,186	49,364	1,108	51,532
September 1993	706	W	28,632	13,219	41,851	W	43,388
October 1992	903	W	47,987	10,335	58,322	W	61,077
Maine							
October 1993	3,046	340	23,849	11,100	34,949	437	38,772
September 1993	2,113	333	27,353	8,919	36,272	223	38,941
October 1992	3,041	952	31,081	6,374	37,455	551	41,999
Massachusetts							
October 1993	2,062	W	60,731	22,662	83,393	W	87,488
September 1993	2,405	W	47,120	19,651	66,771	W	70,859
October 1992	1,756	126	71,547	15,974	87,521	3,753	93,156
New Hampshire							
October 1993	1,007	W	17,057	9,549	26,606	W	28,030
September 1993	713	W	14,994	8,440	23,434	W	24,659
October 1992	841	W	22,535	6,586	29,121	W	30,785
Rhode Island							
October 1993	W	W	22,264	5,907	28,171	818	29,223
September 1993	271	W	17,641	6,297	23,938	W	24,894
October 1992	208	W	25,901	3,282	29,183	W	30,754
Vermont							
October 1993	W	W	4,144	2,432	6,576	207	7,300
September 1993	336	W	2,695	2,580	5,275	W	5,739
October 1992	746	W	5,480	2,384	7,864	W	8,974
Subdistrict IB Total							
October 1993	23,694	4,660	316,536	272,204	588,740	18,014	635,108
September 1993	15,065	4,663	338,411	211,253	549,664	13,071	582,463
October 1992	27,145	6,160	527,770	170,829	698,599	16,728	748,632
Delaware							
October 1993	W	-	7,443	11,178	18,621	W	19,068
September 1993	W	-	9,072	8,843	17,915	W	18,271
October 1992	539	W	16,082	8,356	24,438	W	25,083
District of Columbia							
October 1993	W	W	2,684	535	3,219	W	5,687
September 1993	W	W	2,716	434	3,150	W	7,377
October 1992	W	-	2,864	581	3,445	W	3,564
Maryland							
October 1993	2,324	W	21,857	33,348	55,205	W	58,296
September 1993	1,352	W	17,423	25,877	43,300	W	45,348
October 1992	2,971	W	33,282	18,048	51,330	W	54,513
New Jersey							
October 1993	3,674	W	106,592	68,264	174,856	W	182,067
September 1993	2,101	W	121,607	51,133	172,740	W	177,520
October 1992	3,500	1,543	207,945	43,013	250,958	3,997	259,998
New York							
October 1993	10,015	636	98,921	61,835	160,656	13,248	184,555
September 1993	6,256	573	91,299	52,987	144,286	7,382	158,497
October 1992	8,448	1,739	136,112	35,347	171,459	12,263	193,909
Pennsylvania							
October 1993	7,226	W	79,139	97,044	176,183	W	185,435
September 1993	5,006	W	96,294	71,979	168,273	W	175,450
October 1992	W	2,712	131,485	65,484	196,969	W	211,565

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
Subdistrict IC Total							
October 1993	25,379	2,828	157,637	364,620	522,257	950	551,414
September 1993	12,367	1,758	167,715	332,209	499,924	1,213	515,262
October 1992	26,178	2,665	194,450	311,411	505,861	1,374	536,078
Florida							
October 1993	1,074	208	18,999	108,416	127,415	314	129,011
September 1993	516	312	28,473	99,011	127,484	419	128,731
October 1992	1,218	W	28,528	102,660	131,188	W	133,134
Georgia							
October 1993	1,482	W	31,836	72,662	104,498	W	106,210
September 1993	923	W	29,859	71,640	101,499	W	102,600
October 1992	1,406	W	22,120	70,321	92,441	W	93,977
North Carolina							
October 1993	10,564	W	33,490	68,935	102,425	W	113,309
September 1993	5,223	W	37,412	62,194	99,606	W	105,460
October 1992	11,123	W	51,757	50,471	102,228	W	114,232
South Carolina							
October 1993	4,109	W	16,101	30,761	46,862	W	51,360
September 1993	2,231	-	16,937	28,515	45,452	-	47,683
October 1992	4,521	W	20,338	21,991	42,329	W	46,889
Virginia							
October 1993	7,240	1,822	44,833	67,787	112,620	NA	121,889
September 1993	2,980	W	45,133	51,583	96,716	W	101,055
October 1992	7,017	W	60,848	46,955	107,803	W	116,897
West Virginia							
October 1993	910	W	12,378	16,059	28,437	W	29,635
September 1993	494	W	9,901	19,266	29,167	W	29,733
October 1992	893	W	10,859	19,013	29,872	W	30,949
PAD District II Total							
October 1993	16,685	36,265	390,466	862,162	1,252,628	3,996	1,309,574
September 1993	14,174	28,619	438,096	717,147	1,155,244	4,993	1,203,029
October 1992	16,432	W	556,284	698,754	1,255,038	W	1,328,097
Illinois							
October 1993	1,101	W	57,202	86,925	144,127	W	151,780
September 1993	668	W	55,744	61,133	116,877	W	123,264
October 1992	760	W	97,770	79,154	176,924	W	182,386
Indiana							
October 1993	1,266	W	35,790	93,051	128,841	W	132,327
September 1993	2,478	W	48,597	68,120	116,717	W	122,030
October 1992	2,290	W	52,935	67,849	120,784	W	132,022
Iowa							
October 1993	230	2,537	23,092	51,136	74,228	-	76,995
September 1993	177	1,661	20,903	39,708	60,611	-	62,449
October 1992	103	2,961	32,775	46,642	79,417	-	82,481
Kansas							
October 1993	300	2,007	20,754	40,769	61,523	-	63,830
September 1993	142	713	28,652	35,706	64,358	-	65,213
October 1992	126	3,253	27,672	36,134	63,806	-	67,185
Kentucky							
October 1993	2,473	W	25,527	66,184	91,711	W	94,835
September 1993	1,298	W	25,368	58,448	83,816	W	86,035
October 1992	2,176	W	28,373	52,686	81,059	W	84,601
Michigan							
October 1993	3,061	7,378	35,470	59,222	94,692	-	105,131
September 1993	2,537	4,938	47,577	40,427	88,004	-	95,479
October 1992	2,003	6,859	59,583	30,936	90,519	-	99,381
Minnesota							
October 1993	662	W	35,108	53,271	88,379	W	93,386
September 1993	904	W	27,852	50,387	78,239	W	83,363
October 1992	233	W	45,840	41,592	87,432	W	93,938
Missouri							
October 1993	305	982	20,394	61,001	81,395	-	82,682
September 1993	W	754	18,957	52,463	71,420	W	72,572
October 1992	205	1,387	21,292	54,722	76,014	-	77,606

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
Nebraska							
October 1993	W	W	10,358	33,430	43,788	-	45,764
September 1993	203	1,730	8,422	25,416	33,838	-	35,771
October 1992	39	2,813	11,307	32,094	43,401	-	46,253
North Dakota							
October 1993	W	W	8,037	17,452	25,489	-	27,230
September 1993	74	1,542	7,271	20,440	27,711	-	29,327
October 1992	W	W	14,292	10,817	25,109	-	27,555
Ohio							
October 1993	4,769	W	41,106	109,239	150,345	W	156,030
September 1993	3,336	W	48,311	92,186	140,497	W	144,637
October 1992	5,408	W	53,933	86,114	140,047	W	146,710
Oklahoma							
October 1993	41	2,616	13,921	53,637	67,558	-	70,215
September 1993	W	W	23,358	50,539	73,897	-	76,081
October 1992	59	6,265	25,142	42,091	67,233	-	73,557
South Dakota							
October 1993	81	2,282	8,615	14,868	23,483	-	25,846
September 1993	124	1,758	5,070	15,358	20,428	-	22,310
October 1992	W	W	10,222	12,454	22,676	-	25,562
Tennessee							
October 1993	2,044	W	21,072	78,545	99,617	W	102,449
September 1993	1,665	W	28,048	73,528	101,576	W	104,051
October 1992	2,927	W	23,514	79,455	102,969	W	106,957
Wisconsin							
October 1993	170	3,452	34,020	43,432	77,452	-	81,074
September 1993	175	W	43,966	33,288	77,254	W	80,447
October 1992	73	W	51,634	26,014	77,648	W	81,903
PAD District III Total							
October 1993	6,729	W	150,609	566,034	716,643	W	725,080
September 1993	1,723	W	143,198	492,048	635,246	W	638,872
October 1992	11,699	3,726	188,972	573,013	761,985	-	777,410
Alabama							
October 1993	W	W	11,836	48,774	60,610	-	61,494
September 1993	W	W	16,962	45,704	62,666	-	63,327
October 1992	625	273	12,862	44,689	57,551	-	58,449
Arkansas							
October 1993	W	W	8,066	65,667	73,733	-	73,921
September 1993	W	W	5,677	55,070	60,747	-	60,902
October 1992	126	51	W	W	55,779	-	55,956
Louisiana							
October 1993	W	W	18,331	117,335	135,666	-	140,745
September 1993	W	W	18,302	91,957	110,259	-	111,123
October 1992	W	W	20,428	123,875	144,303	-	145,157
Mississippi							
October 1993	W	-	W	W	53,944	W	54,120
September 1993	146	W	W	W	51,962	W	52,123
October 1992	W	W	16,066	45,515	61,581	-	61,822
New Mexico							
October 1993	W	W	W	W	28,115	-	28,599
September 1993	51	122	W	W	24,750	-	24,923
October 1992	114	784	W	W	33,677	-	34,575
Texas							
October 1993	522	W	95,420	269,155	364,575	W	366,201
September 1993	360	1,252	88,296	236,566	324,862	-	326,474
October 1992	W	W	133,021	276,073	409,094	-	421,451
PAD District IV Total							
October 1993	196	8,599	20,150	133,792	153,942	-	162,737
September 1993	108	W	28,008	124,487	152,495	W	157,867
October 1992	169	11,003	27,338	115,806	143,144	-	154,316
Colorado							
October 1993	W	W	7,631	33,584	41,215	-	44,550
September 1993	W	W	11,415	28,247	39,662	-	41,600
October 1992	W	W	14,350	26,542	40,892	-	45,545

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils
by PAD District and State (Continued)**
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
Idaho							
October 1993	W	W	4,306	18,592	22,898	-	23,701
September 1993	W	W	W	W	22,277	-	22,781
October 1992	W	W	W	W	21,254	-	22,165
Montana							
October 1993	-	1,965	W	W	22,831	-	24,796
September 1993	-	W	W	W	25,190	W	26,670
October 1992	-	2,243	W	W	20,079	-	22,322
Utah							
October 1993	W	W	W	W	34,431	-	35,471
September 1993	W	W	6,600	25,501	32,101	-	32,674
October 1992	W	W	2,739	28,272	31,011	-	32,445
Wyoming							
October 1993	W	W	868	31,699	32,567	-	34,219
September 1993	W	W	1,897	31,368	33,265	-	34,162
October 1992	-	1,931	2,059	27,849	29,908	-	31,839
PAD District V Total							
October 1993	593	W	23,890	466,983	490,873	W	502,797
September 1993	777	W	22,965	482,458	505,423	W	517,089
October 1992	1,316	W	41,706	538,770	580,476	W	600,094
Alaska							
October 1993	-	6,090	13,436	W	W	W	27,311
September 1993	-	5,527	11,740	W	W	W	30,151
October 1992	-	W	15,621	8,984	24,605	W	36,735
Arizona							
October 1993	W	W	W	W	38,199	-	38,435
September 1993	W	W	-	36,808	36,808	-	36,931
October 1992	W	150	W	34,257	W	-	34,650
California							
October 1993	244	W	W	W	247,244	W	249,121
September 1993	452	W	W	W	251,142	W	252,750
October 1992	W	809	138	305,038	305,176	W	307,384
Hawaii							
October 1993	-	W	W	14,616	W	-	15,474
September 1993	-	W	W	15,778	W	-	16,672
October 1992	-	W	W	W	W	-	18,041
Nevada							
October 1993	-	364	W	W	22,602	-	22,966
September 1993	-	179	W	W	23,302	-	23,481
October 1992	-	496	W	W	21,300	-	21,796
Oregon							
October 1993	W	W	2,536	61,289	63,825	-	64,910
September 1993	W	W	2,549	65,810	68,359	-	69,013
October 1992	W	W	6,198	61,661	67,859	-	70,008
Washington							
October 1993	W	1,391	6,153	77,012	83,165	W	84,580
September 1993	W	1,089	8,020	78,811	86,831	W	88,092
October 1992	W	1,839	18,855	90,680	109,535	W	111,480

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Note: Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

Standard Errors and Survey Response Percentages

**Table 50. Standard Errors of Total Motor Gasoline Prices^a
by Sales Type, PAD District and State
(Cents per Gallon, Excluding Taxes)**

Geographic Area Month	Refiner/Reseller				Reseller			
	Sales to End Users			Sales for Resale	Sales to End Users			Sales for Resale
	Through Company Outlets	Other End Users	Average		Through Company Outlets	Other End Users	Average	
U.S. Average								
October 1993	0.1	0.4	0.1	0.1	0.2	0.5	0.2	0.5
September 1993	.1	.3	.1	.1	.2	.4	.2	.3
PAD District I Average								
October 1993	.2	.5	.2	.1	.3	.6	.3	.3
September 1993	.2	.5	.2	.1	.3	.6	.3	.3
Subdistrict IA Average								
October 1993	.5	1.3	.7	.2	.6	2.0	.8	.6
September 1993	.5	.7	.5	.1	.5	1.0	.5	.4
Connecticut								
October 1993	.9	.7	.8	.7	1.0	.8	1.0	2.7
September 1993	.5	.6	.5	.2	.6	.7	.6	.9
Maine								
October 1993	.5	1.9	.6	.2	.5	2.0	.6	.8
September 1993	.1	1.3	.2	.3	.1	1.4	.2	.6
Massachusetts								
October 1993	.7	1.6	1.0	.1	.7	2.6	1.1	.3
September 1993	.5	1.0	.6	.2	.6	1.4	.8	.9
New Hampshire								
October 1993	1.1	.5	1.1	.4	1.3	.6	1.3	.6
September 1993	1.4	.7	1.4	1.2	1.7	.7	1.6	2.3
Rhode Island								
October 1993	2.3	1.0	2.3	.6	NA	.8	NA	.8
September 1993	2.9	1.5	2.6	.4	3.3	1.5	3.2	.7
Vermont								
October 1993	.4	.9	.5	.4	.4	.9	.5	.6
September 1993	.2	.7	.3	.3	.2	.6	.3	.4
Subdistrict IB Average								
October 1993	.4	.8	.3	.1	.6	1.0	.5	.5
September 1993	.3	.6	.2	.1	.4	.7	.3	.5
Delaware								
October 1993	.2	1.9	.3	.1	.2	2.0	.3	.5
September 1993	.2	1.3	.2	.1	.2	1.4	.2	.3
District of Columbia								
October 1993	NA	.8	2.1	.2	NA	1.7	1.6	2.5
September 1993	NA	.6	1.0	.2	NA	NA	.9	.8
Maryland								
October 1993	.5	1.7	.4	.1	.5	1.8	.4	.6
September 1993	.6	.9	.4	.1	.6	.9	.4	.5
New Jersey								
October 1993	.4	2.2	.5	.2	1.0	3.9	1.4	NA
September 1993	.4	.9	.4	.3	.8	1.3	.9	1.4
New York								
October 1993	.4	1.7	.5	.2	.7	2.0	.7	.6
September 1993	.3	1.5	.3	.2	.5	1.7	.5	.6
Pennsylvania								
October 1993	.5	1.0	.4	.2	.6	1.2	.6	1.1
September 1993	.4	.8	.4	.3	.6	1.0	.5	.8
Subdistrict IC Average								
October 1993	.3	.6	.3	.1	.4	.7	.4	.5
September 1993	.3	.9	.3	.2	.5	1.1	.5	.6
Florida								
October 1993	.6	1.4	.6	.2	1.0	1.6	1.0	1.2
September 1993	1.0	2.2	1.0	.4	1.6	3.7	1.5	2.5
Georgia								
October 1993	.5	1.3	.5	.4	.7	1.2	.7	1.2
September 1993	.4	1.9	.4	.4	.6	1.8	.6	1.1
North Carolina								
October 1993	.6	1.3	.6	.3	.8	1.5	.8	1.0
September 1993	.6	1.6	.6	.4	.8	1.7	.7	1.1
South Carolina								
October 1993	.9	2.9	.7	.4	1.4	3.8	1.2	1.0
September 1993	.6	3.5	.6	.3	.9	3.9	.9	.8

See footnotes at end of table.

**Table 50. Standard Errors of Total Motor Gasoline Prices^a
by Sales Type, PAD District and State (Continued)**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller				Reseller			
	Sales to End Users			Sales for Resale	Sales to End Users			Sales for Resale
	Through Company Outlets	Other End Users	Average		Through Company Outlets	Other End Users	Average	
Virginia								
October 1993	0.7	0.9	0.7	0.2	1.0	1.1	1.0	0.9
September 1993	.4	.9	.4	.2	.5	1.1	.5	.7
West Virginia								
October 1993	.6	.5	.5	.4	1.4	.9	1.3	1.2
September 1993	.6	.8	.6	.4	1.1	1.3	1.0	1.0
PAD District II Average								
October 1993	.2	.5	.2	.1	.4	.6	.3	.3
September 1993	.2	.4	.2	.1	.3	.5	.3	.3
Illinois								
October 1993	.7	1.0	.6	.2	1.2	1.0	1.0	.9
September 1993	.7	.9	.7	.2	1.2	.9	1.0	.7
Indiana								
October 1993	.3	1.0	.3	.5	.5	1.0	.5	1.5
September 1993	.3	1.2	.3	.5	.6	1.2	.5	1.4
Iowa								
October 1993	.5	1.3	.5	.2	.6	1.4	.6	.7
September 1993	.6	.9	.5	.2	.7	.9	.5	.6
Kansas								
October 1993	.5	1.4	.5	.3	.7	1.2	.7	.6
September 1993	.5	1.2	.5	.3	.8	1.0	.7	1.0
Kentucky								
October 1993	1.1	3.4	1.2	.3	1.8	4.3	1.9	1.2
September 1993	.8	1.7	.9	.4	1.3	2.1	1.4	1.2
Michigan								
October 1993	.5	.6	.4	.2	1.1	.8	1.0	.5
September 1993	.3	1.0	.3	.2	1.0	1.3	.9	1.0
Minnesota								
October 1993	.8	1.4	.7	.4	1.8	1.4	1.4	1.4
September 1993	.7	1.1	.6	.5	1.3	1.0	1.1	.7
Missouri								
October 1993	.4	1.3	.5	.5	.6	1.8	.7	1.6
September 1993	.6	1.4	.6	.5	.9	1.6	.9	1.4
Nebraska								
October 1993	.9	1.4	.8	.4	1.1	1.5	1.0	1.1
September 1993	.3	.7	.3	.2	.4	.7	.3	.5
North Dakota								
October 1993	1.9	5.9	2.7	.3	2.0	6.0	2.8	.8
September 1993	2.0	1.5	1.3	.4	2.1	1.5	1.3	1.6
Ohio								
October 1993	.4	1.0	.4	.2	1.0	1.3	1.0	.9
September 1993	.5	1.2	.5	.3	1.7	1.6	1.7	1.4
Oklahoma								
October 1993	.6	1.1	.6	.3	1.0	1.2	.9	1.5
September 1993	.8	1.5	.8	.2	1.3	2.4	1.2	1.0
South Dakota								
October 1993	1.4	1.2	1.2	.6	1.4	1.1	1.3	2.3
September 1993	1.1	1.1	1.0	.6	1.1	1.1	1.0	1.7
Tennessee								
October 1993	.4	1.5	.4	.4	.7	2.0	.7	1.5
September 1993	.3	1.5	.3	.4	.5	1.8	.6	1.6
Wisconsin								
October 1993	.6	2.0	.6	.3	.9	2.1	.9	.8
September 1993	.4	1.8	.4	.3	.6	1.9	.6	.7
PAD District III Average								
October 1993	.4	1.1	.4	.2	.6	1.4	.6	1.1
September 1993	.3	.8	.3	.2	.5	.9	.4	.8
Alabama								
October 1993	.6	1.9	.7	.7	.7	2.7	.8	1.8
September 1993	.7	1.2	.8	.7	.8	1.4	.9	1.9
Arkansas								
October 1993	.7	2.4	.7	.5	.9	2.4	.9	2.2
September 1993	.9	1.6	1.0	.5	1.1	1.6	1.2	1.5

See footnotes at end of table.

**Table 50. Standard Errors of Total Motor Gasoline Prices^a
by Sales Type, PAD District and State (Continued)**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller				Reseller			
	Sales to End Users			Sales for Resale	Sales to End Users			Sales for Resale
	Through Company Outlets	Other End Users	Average		Through Company Outlets	Other End Users	Average	
Louisiana								
October 1993	1.2	1.9	1.1	0.4	1.8	2.1	1.7	2.1
September 1993	.8	1.6	.8	.5	1.2	1.6	1.1	1.6
Mississippi								
October 1993	1.2	3.0	1.1	.4	1.4	3.3	1.2	1.9
September 1993	1.0	1.6	1.0	.5	1.1	1.8	1.0	1.4
New Mexico								
October 1993	1.5	1.4	1.4	.5	2.1	1.5	1.9	NA
September 1993	1.3	1.3	1.1	.3	1.8	1.4	1.6	1.7
Texas								
October 1993	.5	2.3	.5	.3	1.1	3.1	1.0	1.0
September 1993	.3	1.7	.3	.4	.6	2.0	.6	1.3
PAD District IV Average								
October 1993	.3	.8	.3	.2	.6	.8	.5	1.1
September 1993	.3	.8	.3	.2	.5	.8	.4	.8
Colorado								
October 1993	.4	1.7	.4	.3	1.0	1.7	.9	1.6
September 1993	.2	2.0	.3	.2	.6	2.0	.6	.9
Idaho								
October 1993	1.3	1.7	1.2	.2	1.3	1.8	1.3	NA
September 1993	.6	1.2	.6	.8	.6	1.2	.6	3.3
Montana								
October 1993	.8	1.2	.8	.2	.8	1.1	.8	.5
September 1993	.6	.7	.5	.2	.7	.7	.5	.5
Utah								
October 1993	.7	.6	.6	.2	1.1	.5	1.0	NA
September 1993	.7	.6	.6	.2	.9	1.3	.9	.8
Wyoming								
October 1993	.5	1.6	.5	.3	.6	1.6	.5	1.5
September 1993	.6	3.2	.9	.4	.8	3.3	1.0	1.3
PAD District V Average								
October 1993	.2	1.3	.2	.2	.6	1.6	.5	1.6
September 1993	.2	1.4	.3	.2	.6	1.7	.8	1.0
Alaska								
October 1993	.8	3.1	.7	.9	5.7	6.0	3.4	NA
September 1993	.9	3.1	.7	.4	5.1	4.1	2.3	1.4
Arizona								
October 1993	.4	2.0	.4	.2	.5	2.5	.5	1.4
September 1993	.2	1.5	.3	.3	.4	1.7	.5	1.4
California								
October 1993	.3	2.3	.4	.3	1.3	2.7	1.3	1.9
September 1993	.4	2.1	.6	.2	1.7	2.5	1.6	1.3
Hawaii								
October 1993	.1	3.8	.5	.1	.1	5.4	.4	2.1
September 1993	.1	3.3	.4	.1	.1	4.3	.1	2.2
Nevada								
October 1993	.3	1.2	.4	.4	.3	NA	.4	2.0
September 1993	.5	.7	.7	.2	.6	.8	.9	.7
Oregon								
October 1993	.7	1.2	.6	.6	1.1	1.3	1.0	3.0
September 1993	.6	1.0	.5	.4	.8	1.0	.7	1.7
Washington								
October 1993	.5	1.4	.4	.1	1.1	1.5	.9	1.7
September 1993	.4	1.5	.4	.3	1.2	1.6	1.1	2.0

^a Sales prices shown in Tables 28, 29 and 30.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 51. Standard Errors of Motor Gasoline Prices^a by Grade,
PAD District, and State**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller											
	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Average												
October 1993	-	-	-	0.1	0.4	0.1	0.1	0.6	0.1	0.2	0.6	0.1
September 1993	0.3	0.5	0.2	.1	.3	.1	.1	.6	.1	.1	.5	.1
PAD District I Average												
October 1993	-	-	-	.2	.4	.1	.2	.7	.1	.2	.8	.1
September 1993	.5	2.1	4.2	.2	.4	.1	.2	.9	.1	.2	.8	.1
Subdistrict IA Average												
October 1993	-	-	-	.6	1.3	.2	.6	.9	.1	.6	2.1	.1
September 1993	-	NA	NA	.4	.6	.1	.7	.6	.1	.8	1.1	.2
Connecticut												
October 1993	-	-	-	.9	.6	.9	1.0	.8	.2	1.0	1.0	.3
September 1993	-	-	-	.5	.6	.2	.6	.7	.1	.7	1.2	.2
Maine												
October 1993	-	-	-	.6	1.8	.2	.8	2.9	.3	1.3	2.2	.2
September 1993	-	-	-	.2	1.3	.2	.2	1.8	.4	.4	2.5	.5
Massachusetts												
October 1993	-	-	-	.7	1.0	.1	.9	2.5	.1	.7	2.2	.1
September 1993	-	-	-	.5	.7	.2	.6	1.0	.1	.5	1.7	.2
New Hampshire												
October 1993	-	-	-	1.4	.6	.2	.7	.6	.5	1.9	.8	.8
September 1993	-	-	-	1.8	.5	1.0	1.0	.1	1.5	.7	2.3	1.9
Rhode Island												
October 1993	-	-	-	2.4	1.0	.5	NA	.5	.3	NA	1.2	.5
September 1993	-	NA	-	2.6	1.3	.4	4.1	.7	.3	3.9	3.7	.5
Vermont												
October 1993	-	-	-	.5	1.1	.4	.5	1.5	.5	.7	.8	.6
September 1993	-	NA	NA	.3	.9	.3	.3	.4	.2	.5	.9	.2
Subdistrict IB Average												
October 1993	-	-	-	.3	.7	.1	.4	1.1	.1	.4	1.1	.1
September 1993	NA	1.8	4.0	.2	.5	.1	.2	.8	.1	.3	1.0	.1
Delaware												
October 1993	-	-	-	.2	1.1	.1	.1	1.9	.1	.2	3.9	.1
September 1993	-	-	-	.2	.8	.1	.1	1.3	.1	.2	3.2	.1
District of Columbia												
October 1993	-	-	-	NA	.7	.3	NA	.7	.1	NA	NA	.1
September 1993	-	-	-	NA	.7	.2	NA	.6	.1	NA	NA	.1
Maryland												
October 1993	-	-	-	.5	1.7	.1	.7	1.4	.1	.8	2.4	.1
September 1993	-	NA	-	.6	.9	.1	.8	1.1	.1	.9	1.3	.1
New Jersey												
October 1993	-	-	-	.3	1.9	.1	.4	2.3	.1	.5	3.1	.2
September 1993	-	NA	-	.4	.8	.3	.4	2.8	.3	.2	.9	.3
New York												
October 1993	-	-	-	.4	1.5	.1	.3	2.7	.1	.3	2.2	.2
September 1993	NA	1.9	4.1	.2	1.1	.2	.2	2.3	.1	.3	2.8	.2
Pennsylvania												
October 1993	-	-	-	.4	1.0	.2	.5	1.5	.3	.7	1.3	.2
September 1993	.0	.9	NA	.4	.7	.3	.3	.8	.3	.3	1.1	.2
Subdistrict IC Average												
October 1993	-	-	-	.3	.5	.1	.3	1.3	.2	.4	1.2	.2
September 1993	NA	NA	-	.3	.7	.1	.3	1.8	.2	.4	1.4	.2
Florida												
October 1993	-	-	-	.6	1.2	.1	.5	2.3	.2	.4	3.3	.7
September 1993	-	-	-	.9	1.7	.3	.7	2.6	.5	.7	3.1	.4
Georgia												
October 1993	-	-	-	.3	1.1	.3	.6	3.8	.5	1.1	2.6	.4
September 1993	NA	-	-	.2	1.6	.3	.6	2.6	.5	1.1	3.8	.4
North Carolina												
October 1993	-	-	-	.4	1.0	.3	.7	1.8	.5	.8	2.0	.4
September 1993	-	NA	-	.5	1.4	.3	.6	3.0	.5	.8	2.9	.5

See footnotes at end of table.

**Table 51. Standard Errors of Motor Gasoline Prices^a by Grade,
PAD District, and State (Continued)**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller											
	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
South Carolina												
October 1993	-	-	-	0.8	1.9	0.4	0.9	7.2	0.3	1.0	3.6	0.4
September 1993	-	-	-	.6	2.0	.3	.6	NA	.3	.8	3.1	.3
Virginia												
October 1993	-	-	-	.5	.7	.2	.8	1.2	.2	.8	.9	.2
September 1993	-	-	-	.3	.6	.2	.4	1.6	.2	.4	1.4	.2
West Virginia												
October 1993	-	-	-	.5	.4	.3	.8	.7	.4	.9	.7	.8
September 1993	-	NA	-	.6	.6	.4	.7	1.4	.5	.7	1.0	.5
PAD District II Average												
October 1993	-	-	-	.2	.5	.1	.2	1.0	.2	.2	.8	.1
September 1993	1.0	0.7	0.5	.2	.4	.1	.2	1.0	.2	.2	.7	.1
Illinois												
October 1993	-	-	-	.8	1.1	.2	.7	1.2	.5	.7	1.8	.2
September 1993	1.2	3.9	NA	1.0	1.0	.2	.7	1.2	.3	.7	1.2	.2
Indiana												
October 1993	-	-	-	.3	1.1	.4	.3	1.4	.6	.5	1.4	.6
September 1993	1.8	.9	NA	.3	1.3	.5	.3	1.5	.6	.5	2.2	.5
Iowa												
October 1993	-	-	-	.5	1.4	.2	.5	1.1	1.2	.7	1.1	.5
September 1993	.7	.6	2.7	.7	1.0	.1	.6	2.5	.5	.4	2.0	.1
Kansas												
October 1993	-	-	-	.4	1.5	.3	.8	1.0	.5	.8	2.0	.4
September 1993	2.4	NA	NA	.5	1.1	.3	.6	3.0	1.1	.8	1.8	.4
Kentucky												
October 1993	-	-	-	.9	3.2	.3	1.1	NA	.3	1.4	3.8	.4
September 1993	NA	NA	NA	.7	1.6	.3	.9	2.1	.4	1.1	2.4	.6
Michigan												
October 1993	-	-	-	.5	.8	.2	.4	1.2	.2	.4	.6	.2
September 1993	.7	1.1	.7	.4	1.0	.2	.3	1.7	.2	.8	.6	.2
Minnesota												
October 1993	-	-	-	.8	1.5	.3	1.2	2.1	2.2	.7	2.2	.2
September 1993	.6	2.3	1.7	.6	1.2	.3	1.2	1.6	1.0	.9	2.7	.4
Missouri												
October 1993	-	-	-	.4	1.4	.5	.5	2.6	1.0	.8	1.9	.5
September 1993	2.6	1.3	2.3	.6	1.2	.5	.8	2.2	.7	.6	2.0	.4
Nebraska												
October 1993	-	-	-	1.0	1.5	.3	1.3	2.3	.7	1.5	2.1	.1
September 1993	.7	1.2	.4	.4	.8	.2	.4	2.1	.6	.8	2.7	.2
North Dakota												
October 1993	-	-	-	1.8	5.7	.3	1.3	3.6	.1	1.0	1.4	.1
September 1993	1.8	.8	1.5	2.1	1.4	.5	1.7	1.1	.1	1.4	2.0	.5
Ohio												
October 1993	-	-	-	.3	1.3	.3	.4	1.8	.2	.5	.8	.2
September 1993	.9	1.6	NA	.4	1.0	.2	.4	2.7	.4	.6	1.1	.2
Oklahoma												
October 1993	-	-	-	.6	1.4	.2	.4	2.3	.8	.9	1.3	.4
September 1993	.8	-	NA	.8	1.8	.2	.9	2.5	1.0	1.2	1.8	.4
South Dakota												
October 1993	-	-	-	1.5	2.0	.5	2.3	.6	.4	1.2	.2	1.5
September 1993	.6	1.3	.8	1.4	1.2	.5	2.6	1.4	1.5	1.0	.3	1.0
Tennessee												
October 1993	-	-	-	.4	1.2	.2	.5	1.9	.6	.6	3.1	.6
September 1993	NA	-	-	.3	1.4	.3	.3	2.0	.5	.3	2.4	.5
Wisconsin												
October 1993	-	-	-	.6	2.0	.3	.5	2.5	.4	.7	2.6	.3
September 1993	1.0	1.2	1.3	.5	1.8	.3	.4	4.1	.3	.5	1.1	.3
PAD District III Average												
October 1993	-	-	-	.4	1.3	.2	.4	1.7	.3	.5	1.7	.3
September 1993	1.3	NA	.6	.3	1.1	.2	.3	.9	.4	.3	1.0	.3

See footnotes at end of table.

**Table 51. Standard Errors of Motor Gasoline Prices^a by Grade,
PAD District, and State (Continued)**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller											
	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Alabama												
October 1993	-	-	-	0.5	2.1	0.8	0.5	2.6	0.7	0.6	3.1	0.8
September 1993	NA	-	NA	.5	1.1	.7	.8	1.6	.8	.9	1.7	.8
Arkansas												
October 1993	-	-	-	.5	2.6	.6	1.1	2.2	1.0	.9	3.1	.4
September 1993	NA	-	NA	.7	1.5	.5	1.3	1.6	.7	1.0	2.0	.7
Louisiana												
October 1993	-	-	-	.9	1.7	.3	1.0	3.1	.4	1.5	2.7	.6
September 1993	2.5	-	-	.7	1.6	.4	.7	2.5	.5	.7	1.7	.5
Mississippi												
October 1993	-	-	-	1.0	2.9	.4	1.7	4.4	.4	1.6	3.5	1.0
September 1993	NA	NA	NA	.9	1.3	.4	1.0	2.4	.8	1.2	2.8	.6
New Mexico												
October 1993	-	-	-	1.4	1.6	.5	1.5	1.7	.1	2.8	1.1	.4
September 1993	.8	1.8	0.3	1.3	1.4	.4	1.9	1.9	.7	2.1	.6	.5
Texas												
October 1993	-	-	-	.5	2.8	.2	.5	3.3	.4	.5	3.5	.4
September 1993	1.2	2.4	.2	.3	2.2	.3	.3	1.0	.7	.4	2.2	.6
PAD District IV Average												
October 1993	-	-	-	.3	.8	.2	.3	1.5	.2	.4	1.3	.2
September 1993	.4	.9	.4	.3	.8	.2	.2	2.2	.2	.4	2.0	.2
Colorado												
October 1993	-	-	-	.4	1.8	.3	.2	1.0	.2	.4	2.2	.4
September 1993	.6	2.5	1.0	.2	1.9	.3	.2	.9	.2	.2	2.6	.2
Idaho												
October 1993	-	-	-	1.1	1.7	.2	.2	NA	.1	2.5	2.5	.2
September 1993	.6	1.5	1.1	.6	1.3	.7	1.0	-	.3	1.3	1.3	.7
Montana												
October 1993	-	-	-	.8	1.2	.2	NA	NA	NA	.9	2.4	.2
September 1993	.7	.8	.3	.6	.9	.2	NA	NA	-	.6	1.3	.2
Utah												
October 1993	-	-	-	.8	1.0	.2	.3	1.9	.2	.7	1.2	.2
September 1993	.3	1.0	.4	.7	.7	.2	.5	-	.2	.7	.7	.2
Wyoming												
October 1993	-	-	-	.5	1.6	.3	.9	-	NA	.4	2.2	.4
September 1993	.6	1.9	.2	.8	2.6	.4	.3	NA	1.0	.2	8.9	.5
PAD District V Average												
October 1993	-	-	-	.2	1.3	.2	.3	2.1	.3	.2	1.5	.2
September 1993	.4	.9	.2	.2	1.4	.2	.4	1.8	.2	.2	1.5	.2
Alaska												
October 1993	-	-	-	1.0	4.2	.9	-	-	-	.6	1.1	.9
September 1993	.7	1.3	.5	1.0	3.3	.4	-	-	-	.7	3.2	.5
Arizona												
October 1993	-	-	-	.3	1.9	.2	2.1	4.3	1.3	.5	NA	.3
September 1993	.3	3.6	.3	.3	1.4	.3	2.5	.9	.3	.3	1.6	.3
California												
October 1993	-	-	-	.3	2.5	.3	.3	2.4	.3	.3	2.4	.2
September 1993	-	-	NA	.4	1.9	.2	.5	2.1	.2	.4	2.0	.2
Hawaii												
October 1993	-	-	-	.1	4.2	.2	.1	1.0	.1	.1	4.0	.1
September 1993	-	-	-	.1	3.5	.2	.1	.7	.1	.1	3.8	.1
Nevada												
October 1993	-	-	-	.4	1.2	.4	.1	NA	.3	.1	NA	.2
September 1993	4.1	4.2	.1	.5	.9	.1	.1	1.5	.1	.3	1.8	.1
Oregon												
October 1993	-	-	-	.6	1.2	.6	1.4	-	-	.6	1.5	.4
September 1993	.4	.9	.4	.5	1.1	.5	NA	-	NA	.7	1.2	.3
Washington												
October 1993	-	-	-	.5	1.3	.1	.1	NA	.3	.4	1.9	.1
September 1993	.6	1.9	.2	.4	1.4	.3	.1	NA	.1	.4	2.2	.2

^a Sales prices shown in Tables 28 and 29.

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

**Table 52. Standard Errors of No. 2 Distillate Prices^a by Sales Type,
PAD District, and Selected States**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers ^b	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^c	To Other End Users	Average	
U.S. Average							
October 1993	0.6	0.5	0.7	0.4	0.5	0.4	0.1
September 1993	.6	.3	.5	.3	.4	.2	.1
PAD District I Average							
October 1993	.7	.4	.6	.7	.7	.5	.1
September 1993	.7	.3	.6	.8	.7	.4	.1
Subdistrict IA Average							
October 1993	.8	.7	1.1	.5	.6	.7	.1
September 1993	1.0	.5	1.1	.4	.7	.7	.1
Connecticut							
October 1993	2.1	.9	1.4	1.8	1.6	1.4	.1
September 1993	2.9	.9	1.7	1.2	1.9	1.4	.3
Maine							
October 1993	1.1	1.0	4.5	.9	.8	1.0	.2
September 1993	.8	.5	3.7	.6	1.4	.6	.2
Massachusetts							
October 1993	1.2	1.5	1.3	.9	.4	1.7	.1
September 1993	1.3	1.1	1.6	.9	.4	1.6	.1
New Hampshire							
October 1993	1.3	1.1	3.0	.7	.5	.7	.3
September 1993	1.4	1.0	1.7	.7	2.3	.7	.4
Rhode Island							
October 1993	3.2	1.0	1.7	1.1	.4	2.3	.1
September 1993	3.9	1.3	1.7	1.0	.8	2.6	.1
Vermont							
October 1993	.8	.8	.8	.8	2.0	.6	.2
September 1993	1.0	.6	1.0	.4	2.0	.8	.1
Subdistrict IB Average							
October 1993	1.2	.6	1.1	.5	.9	.8	.1
September 1993	1.1	.4	1.0	.4	.9	.6	.1
Delaware							
October 1993	.6	.9	1.3	1.4	2.9	.9	.1
September 1993	1.9	.5	.7	.7	1.9	.4	.4
District of Columbia							
October 1993	.6	2.7	NA	NA	3.5	2.2	.0
September 1993	1.5	.5	NA	NA	.4	.4	.0
Maryland							
October 1993	1.3	.8	1.4	1.7	2.7	.8	.3
September 1993	.7	.7	1.1	1.2	1.9	.7	.3
New Jersey							
October 1993	2.2	1.2	3.0	.8	4.0	2.1	.1
September 1993	2.0	.7	.5	1.2	1.2	1.0	.1
New York							
October 1993	2.1	1.4	2.4	1.0	1.6	1.8	.1
September 1993	2.3	1.2	3.1	1.0	.7	1.3	.1
Pennsylvania							
October 1993	.8	.7	1.6	.6	1.6	.6	.2
September 1993	1.1	.5	1.6	.4	2.3	.7	.1
Subdistrict IC Average							
October 1993	.7	.7	.8	1.2	1.0	.6	.1
September 1993	.9	.4	.9	1.3	1.0	.5	.2
Virginia							
October 1993	.8	1.1	1.4	.6	1.2	.6	.1
September 1993	.7	.7	1.5	.4	1.4	.5	.1
West Virginia							
October 1993	1.6	.3	.8	.8	.7	.4	.3
September 1993	2.1	.4	.5	.9	1.3	.3	.4
PAD District II Average							
October 1993	.6	1.0	1.0	.6	.6	.8	.1
September 1993	.6	.6	.7	.6	.5	.5	.1
Illinois							
October 1993	1.2	1.8	4.0	1.0	1.3	1.8	.3
September 1993	2.3	1.1	2.6	.6	1.6	1.1	.3

See footnotes at end of table.

Table 52. Standard Errors of No. 2 Distillate Prices^a by Sales Type, PAD District, and Selected States (Continued)
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers ^b	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^c	To Other End Users	Average	
Indiana							
October 1993	1.2	1.1	2.6	1.4	1.7	1.1	0.2
September 1993	1.7	.6	1.4	3.2	1.7	1.4	.2
Michigan							
October 1993	1.7	2.2	1.9	1.4	1.8	1.3	.4
September 1993	1.3	1.5	2.3	1.2	2.0	1.0	.4
Minnesota							
October 1993	1.2	.9	2.2	2.2	1.9	1.0	.1
September 1993	.7	1.0	1.6	1.3	1.6	.9	.5
Ohio							
October 1993	1.3	.6	1.2	.5	2.7	.7	.1
September 1993	1.6	.7	1.1	.4	1.8	.5	.2
Wisconsin							
October 1993	1.3	1.9	1.6	1.4	1.8	.9	.3
September 1993	2.3	1.9	1.7	.3	1.9	.9	.5
PAD District III Average							
October 1993	3.6	1.1	1.0	1.0	1.4	.8	.3
September 1993	6.8	.6	.8	.5	1.1	.5	.1
PAD District IV Average							
October 1993	2.3	1.0	1.7	.9	1.3	.7	.4
September 1993	.9	.8	1.0	.6	1.0	.7	.2
Idaho							
October 1993	1.6	3.0	2.9	3.2	1.5	1.6	.1
September 1993	1.2	1.3	1.5	2.7	1.6	1.2	.2
PAD District V Average							
October 1993	1.3	1.0	2.1	.9	1.1	.7	.1
September 1993	1.3	.7	.8	.6	.8	.5	.2
Alaska							
October 1993	2.1	NA	1.3	1.0	1.7	1.3	.5
September 1993	2.7	1.3	1.7	1.1	NA	1.7	.4
Oregon							
October 1993	2.1	1.0	1.9	3.2	4.3	1.3	.4
September 1993	2.7	1.2	2.5	1.7	3.1	1.2	.4
Washington							
October 1993	2.3	2.3	2.6	1.6	2.3	1.2	.3
September 1993	2.1	1.8	2.0	2.8	2.4	1.3	.2

^a Sales prices shown in Table 38.

^b No. 2 fuel oil only.

^c No. 2 diesel fuel only.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 53. Standard Errors of No. 2 Fuel Oil Prices,^a by Sales Type,
PAD District, and Selected States**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users	Average	
U.S. Average						
October 1993	0.6	0.7	0.6	1.0	0.5	0.1
September 1993	.6	.5	.5	1.0	.5	.1
PAD District I Average						
October 1993	.7	1.0	.9	.8	.7	.1
September 1993	.7	.7	.7	.8	.6	.1
Subdistrict IA Average						
October 1993	.8	.9	.8	.5	.8	.1
September 1993	1.0	.7	.7	.4	.8	.1
Connecticut						
October 1993	2.1	1.4	1.7	.4	1.7	.2
September 1993	2.9	1.6	1.3	.8	2.0	.3
Maine						
October 1993	1.1	.9	1.6	NA	1.1	.3
September 1993	.8	.6	1.8	NA	.7	.2
Massachusetts						
October 1993	1.2	2.1	1.5	.3	1.5	.1
September 1993	1.3	1.4	.8	.3	1.7	.1
New Hampshire						
October 1993	1.3	1.7	2.9	.1	1.0	.1
September 1993	1.4	.9	1.8	NA	1.0	.1
Rhode Island						
October 1993	3.2	2.7	3.1	NA	2.8	.3
September 1993	3.9	2.8	3.2	NA	3.3	.1
Vermont						
October 1993	.8	.9	.7	1.7	.6	.2
September 1993	1.0	1.2	.3	NA	.9	.1
Subdistrict IB Average						
October 1993	1.2	1.4	.6	1.4	1.1	.1
September 1993	1.1	1.1	.5	.4	.9	.1
Delaware						
October 1993	.6	1.4	2.3	NA	.7	.3
September 1993	1.9	1.0	.7	.3	1.0	.8
District of Columbia						
October 1993	.6	2.2	-	NA	2.1	.0
September 1993	1.5	.5	-	NA	.4	.0
Maryland						
October 1993	1.3	1.1	2.2	1.9	.9	.2
September 1993	.7	.8	1.3	.6	1.0	.2
New Jersey						
October 1993	2.2	3.5	.3	NA	2.3	.1
September 1993	2.0	1.0	.2	1.2	1.8	.1
New York						
October 1993	2.1	2.7	1.0	2.0	2.0	.1
September 1993	2.3	2.4	.7	.2	1.7	.1
Pennsylvania						
October 1993	.8	1.4	1.7	3.8	.7	.1
September 1993	1.1	1.1	1.2	1.4	1.0	.1
Subdistrict IC Average						
October 1993	.7	3.8	3.1	2.0	1.2	.1
September 1993	.9	1.5	2.3	1.8	1.3	.1
Virginia						
October 1993	.8	.9	2.0	1.8	1.0	.1
September 1993	.7	.6	4.6	2.3	1.0	.1
West Virginia						
October 1993	1.6	.8	.2	.8	.9	.1
September 1993	2.1	.9	1.5	1.0	.8	.1
PAD District II Average						
October 1993	.6	.5	.9	2.0	.6	.1
September 1993	.6	.4	.6	2.1	.6	.1
Illinois						
October 1993	1.2	.8	.4	2.1	1.3	.1
September 1993	2.3	1.2	1.1	1.7	1.3	.1

See footnotes at end of table.

Table 53. Standard Errors of No. 2 Fuel Oil Prices,^a by Sales Type, PAD District, and Selected States (Continued)
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users	Average	
Indiana						
October 1993	1.2	NA	1.5	5.0	1.2	0.1
September 1993	1.7	0.4	1.8	4.1	1.2	.1
Michigan						
October 1993	1.7	1.2	.8	4.3	1.8	.6
September 1993	1.3	.9	1.2	3.4	1.4	.4
Minnesota						
October 1993	1.2	2.7	4.1	2.8	1.6	.1
September 1993	.7	1.9	1.3	1.4	1.6	.1
Ohio						
October 1993	1.3	.2	.4	3.7	1.2	.1
September 1993	1.6	.4	1.0	1.5	1.6	.1
Wisconsin						
October 1993	1.3	1.1	1.8	6.7	.9	.3
September 1993	2.3	2.4	1.7	7.2	2.0	.4
PAD District III Average						
October 1993	3.6	.3	2.0	NA	.8	.2
September 1993	6.8	.2	2.7	.4	.6	.1
PAD District IV Average						
October 1993	2.3	6.2	NA	4.3	2.0	.1
September 1993	.9	.3	NA	1.2	1.3	.1
Idaho						
October 1993	1.6	1.3	NA	NA	1.4	.2
September 1993	1.2	1.2	NA	NA	.9	.0
PAD District V Average						
October 1993	1.3	1.7	2.1	2.2	1.4	.3
September 1993	1.3	1.0	1.6	2.2	1.4	.1
Alaska						
October 1993	2.1	3.4	7.3	2.9	1.7	.2
September 1993	2.7	2.4	3.6	3.1	2.2	.3
Oregon						
October 1993	2.1	1.0	NA	NA	2.7	.1
September 1993	2.7	.7	NA	2.4	2.5	.1
Washington						
October 1993	2.3	2.0	1.5	NA	3.0	.8
September 1993	2.1	1.3	.7	.9	2.7	.1

^a Sales prices shown in Table 39.

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

Table 54. Standard Errors of Residual Fuel Oil Prices,^a by PAD District and Selected States
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
U.S. Average						
October 1993	0.2	0.3	0.1	1.0	0.1	0.5
September 1993	.3	.3	.1	.1	.1	.1
PAD District I Average						
October 1993	.3	.1	.1	.1	.2	.1
September 1993	.1	.1	.1	.1	.1	.1
Subdistrict IA Average						
October 1993	.2	.0	.2	.0	.1	.0
September 1993	.1	.0	.2	.0	.1	.0
Connecticut						
October 1993	.1	.0	NA	-	.9	.0
September 1993	.1	NA	NA	-	.3	NA
Maine						
October 1993	.6	NA	.2	.0	.2	NA
September 1993	.0	NA	.0	NA	.0	.0
Massachusetts						
October 1993	.1	.0	.1	NA	.1	.0
September 1993	.1	NA	.3	NA	.2	.0
New Hampshire						
October 1993	.0	NA	.1	NA	.1	NA
September 1993	.1	-	.1	-	.1	-
Rhode Island						
October 1993	.0	NA	NA	-	.0	NA
September 1993	.0	NA	NA	-	.0	NA
Subdistrict IB Average						
October 1993	.3	.1	.2	.3	.2	.2
September 1993	.1	.1	.1	.1	.1	.1
Delaware						
October 1993	.1	NA	.1	NA	.1	1.3
September 1993	.1	NA	.1	NA	.1	.6
Maryland						
October 1993	.2	NA	.3	NA	.4	NA
September 1993	.1	NA	.1	NA	.1	NA
New Jersey						
October 1993	.1	.1	.1	.5	.2	.6
September 1993	.1	.3	.0	.1	.1	.5
New York						
October 1993	.4	.1	.2	.0	.2	.1
September 1993	.3	.1	.1	.0	.1	.1
Pennsylvania						
October 1993	1.8	.1	.1	.1	.8	.1
September 1993	.5	.0	.0	.0	.3	.0
Subdistrict IC Average						
October 1993	.3	NA	.1	.2	.2	.2
September 1993	.1	NA	.1	.1	.1	.1
Florida						
October 1993	.3	-	.2	NA	.2	NA
September 1993	.1	-	.2	.0	.1	.0
Georgia						
October 1993	-	-	.0	NA	.0	NA
September 1993	-	-	.0	NA	.0	NA
North Carolina						
October 1993	NA	-	.2	1.0	.2	1.0
September 1993	NA	-	.1	NA	.2	NA
South Carolina						
October 1993	NA	-	NA	NA	NA	NA
September 1993	NA	-	NA	NA	NA	NA
Virginia						
October 1993	.1	NA	.1	NA	.1	NA
September 1993	.1	NA	.1	.0	.1	.0
PAD District II Average						
October 1993	.3	4.7	.2	.0	.3	1.0
September 1993	.5	.0	.4	.0	.3	.0

See footnotes at end of table.

Table 54. Standard Errors of Residual Fuel Oil Prices,^a by PAD District and Selected States (Continued)
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Illinois						
October 1993	NA	NA	NA	NA	0.0	NA
September 1993	NA	0.0	NA	NA	NA	0.0
Indiana						
October 1993	0.0	-	0.0	0.0	.0	.0
September 1993	.0	-	.0	.0	.0	.0
Michigan						
October 1993	.4	.0	1.3	NA	.7	.0
September 1993	.8	.0	1.4	NA	.8	.0
Minnesota						
October 1993	NA	NA	.0	NA	.1	NA
September 1993	NA	NA	.0	NA	.0	NA
Ohio						
October 1993	.0	NA	.0	NA	.0	NA
September 1993	NA	NA	.0	NA	.0	NA
PAD District III Average						
October 1993	NA	.3	.7	2.3	.7	1.5
September 1993	NA	.4	.3	.1	.2	.1
Alabama						
October 1993	NA	NA	.3	NA	.3	NA
September 1993	NA	NA	.0	NA	.1	.0
Louisiana						
October 1993	NA	2.3	1.9	.3	1.9	.3
September 1993	NA	NA	.8	.2	.5	.2
Mississippi						
October 1993	-	NA	.1	NA	.1	NA
September 1993	-	NA	.8	NA	.8	.1
Texas						
October 1993	NA	.3	.7	4.3	.7	2.4
September 1993	-	.1	.4	.2	.4	.1
PAD District IV Average						
October 1993	NA	NA	1.0	NA	.5	.0
September 1993	-	.0	.0	NA	.0	.0
PAD District V Average						
October 1993	.1	.8	.1	.1	.1	.2
September 1993	.1	.6	.1	.1	.1	.1
California						
October 1993	NA	.8	NA	.2	NA	.6
September 1993	NA	.6	.1	.1	.1	.2
Hawaii						
October 1993	NA	-	.0	.0	.0	.0
September 1993	NA	-	.0	NA	.0	NA
Oregon						
October 1993	-	-	NA	NA	NA	NA
September 1993	-	-	NA	.1	NA	.1
Washington						
October 1993	NA	-	.1	.1	.2	.1
September 1993	NA	-	.1	.2	.1	.2

^a Sales prices shown in Table 41.

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

Table 55. Response Rate by Entity, PAD District, and State
(Percent)

Geographic Area	Refiners		Resellers and Retailers		Suppliers	
	October 1993	September 1993	October 1993	September 1993	October 1993	September 1993
U.S. Average	98.0	98.6	83.0	92.6	99.1	99.6
PAD District I Average	99.1	98.7	85.2	93.5	99.4	100.0
Subdistrict IA Average	99.1	98.2	86.3	93.1	99.1	100.0
Connecticut	100.0	100.0	88.6	92.8	100.0	100.0
Maine	100.0	100.0	86.9	95.7	97.2	100.0
Massachusetts	100.0	100.0	83.6	92.4	97.7	100.0
New Hampshire	100.0	94.1	84.6	90.9	100.0	100.0
Rhode Island	94.7	94.7	82.1	90.6	100.0	100.0
Vermont	100.0	100.0	94.8	98.2	100.0	100.0
Subdistrict IB Average	99.4	98.1	85.0	93.5	99.6	100.0
Delaware	100.0	100.0	86.7	94.8	100.0	100.0
District of Columbia	100.0	92.3	86.2	96.5	100.0	100.0
Maryland	100.0	96.0	87.3	94.5	100.0	100.0
New Jersey	100.0	100.0	79.4	92.2	100.0	100.0
New York	97.2	100.0	86.8	93.1	100.0	100.0
Pennsylvania	100.0	97.2	84.6	93.2	98.3	100.0
Subdistrict IC Average	99.0	99.5	84.5	93.7	99.3	100.0
Florida	100.0	100.0	84.6	94.4	100.0	100.0
Georgia	100.0	100.0	78.9	94.5	100.0	100.0
North Carolina	100.0	97.1	81.3	89.5	100.0	100.0
South Carolina	100.0	100.0	85.7	93.5	100.0	100.0
Virginia	95.1	100.0	89.0	96.9	96.7	100.0
West Virginia	100.0	100.0	87.5	93.8	100.0	100.0
PAD District II Average	98.6	98.6	84.7	91.8	99.4	99.7
Illinois	100.0	97.2	86.9	94.6	98.2	98.2
Indiana	100.0	97.4	85.9	92.4	100.0	100.0
Iowa	93.5	100.0	87.0	91.8	100.0	100.0
Kansas	100.0	100.0	87.5	90.2	100.0	100.0
Kentucky	100.0	100.0	80.9	91.6	98.0	100.0
Michigan	96.4	93.1	85.4	88.5	97.9	97.9
Minnesota	97.0	100.0	81.1	92.4	97.7	100.0
Missouri	100.0	100.0	80.9	87.3	100.0	100.0
Nebraska	100.0	100.0	84.8	95.9	100.0	100.0
North Dakota	100.0	96.5	83.9	93.5	100.0	100.0
Ohio	100.0	94.6	84.6	92.2	100.0	100.0
Oklahoma	95.4	100.0	84.4	90.7	100.0	100.0
South Dakota	100.0	100.0	85.5	90.7	100.0	100.0
Tennessee	97.2	100.0	84.5	94.0	100.0	100.0
Wisconsin	100.0	100.0	85.8	90.9	100.0	100.0
PAD District III Average	97.4	98.1	78.5	92.3	99.1	99.7
Alabama	100.0	100.0	83.3	97.9	100.0	100.0
Arkansas	97.2	100.0	82.9	93.8	100.0	100.0
Louisiana	96.1	96.2	77.3	90.0	98.4	100.0
Mississippi	97.6	97.7	75.0	88.6	98.1	100.0
New Mexico	100.0	100.0	74.2	88.7	100.0	100.0
Texas	95.6	97.0	77.5	92.8	98.9	98.9
PAD District IV Average	96.6	98.4	80.1	92.6	99.3	100.0
Colorado	100.0	100.0	82.9	91.1	100.0	100.0
Idaho	87.5	100.0	78.8	92.6	95.6	100.0
Montana	88.2	94.1	84.6	96.0	100.0	100.0
Utah	100.0	95.8	71.9	89.6	100.0	100.0
Wyoming	100.0	100.0	81.8	94.5	100.0	100.0
PAD District V Average	94.4	98.8	76.1	92.3	97.1	97.5
Alaska	93.3	93.8	69.7	90.9	94.4	94.1
Arizona	96.4	100.0	77.2	94.9	100.0	100.0
California	90.0	100.0	75.7	92.0	93.9	95.8
Hawaii	88.9	100.0	100.0	100.0	100.0	100.0
Nevada	95.6	100.0	78.0	95.9	100.0	100.0
Oregon	95.8	96.0	75.0	89.2	96.5	96.8
Washington	100.0	100.0	75.5	91.5	96.8	96.5

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report," and EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

Explanatory Notes

Explanatory Notes

The EIA-782 Survey

Background

The EIA-782 survey was implemented to fulfill the data requirements necessary to meet Energy Information Administration (EIA) legislative mandates and user community data needs. The requirements include petroleum product price, market distribution, demand (or sales), and product supply data, which are needed for a complete evaluation of petroleum market performance. In the past, these data requirements were fulfilled through the following surveys:

- EIA-460: "Petroleum Industry Monthly Report for Product Prices"
- EIA-9A: "No. 2 Distillate Price Monitoring Report"
- EIA-25: "Prime Supplier's Monthly Report"
- FEA-P306: "Refiner/Importer Monthly Report of Petroleum Product Distribution"
- FEA-P314: "Monthly Survey of Distillate and Residual Fuel Oil Sales to Ultimate Consumers"
- FEA-P315: "Monthly Survey of Propane Sales Volume to Ultimate Consumers"
- SG-1, 2, 4, and 7: "Survey of Gallonage Sales of Gasoline."

The President's Executive Order 12287 on decontrol in January 1981, and the expiration of the Emergency Petroleum Allocation Act (EPAA) on September 30, 1981, brought changes in EIA's legislative mandates and data requirements. These changes, along with EIA's previous commitment to consolidate its data collection, motivated the development of an EIA survey which eliminated regulatory data elements and integrated, consolidated, and continued the collection of basic statistical elements from previous forms.

Comments solicited from the petroleum industry and data users led to the development of this new consolidated survey--the Form EIA-782 series, which includes the Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, Form EIA-782B, *Reseller/Retailers' Monthly Petroleum Prod-*

uct Sales Report, and Form EIA-782C, *Monthly Report of Petroleum Products Sold into States for Consumption*.

The Form EIA-782A replaced the refiner and gas plant operator portion of the Form EIA-460. Major changes include deleting 10 product categories and redefining and regrouping other product categories formerly on the Form EIA-460 survey, shifting reporting from a national to a State-specific basis, and revising respondent lists and respondent groupings used for publication. The Form EIA-782A collects refiner and gas plant operator monthly price and volume data on a State level for various petroleum products for retail and wholesale marketing categories, with more detailed retail customer sales categories for No. 2 distillate.

The Form EIA-782B replaced the nonrefiner portions of the Form EIA-9A and the Form EIA-460. Major changes to the Form EIA-9A included deleting purchase, inventory, storage capacity, and tax data; regrouping customer sales categories; and revising the frame and sample.

The Form EIA-782C replaced Form EIA-25. Changes made include deletion of some product categories and the regrouping of others.

Discussion of Sample Design

The Form EIA-782A was sent to a census of refiners and gas plant operators. Respondents were selected with certainty due to their small number and because of the relative size of their sales volume.

The Form EIA-782B was sent to a scientifically selected sample of motor gasoline resellers, and distillate and residual fuel oil resellers and retailers. The Form EIA-863, "Petroleum Product Sales Identification Survey," served as the basis of the sampling frame of dealers. Information obtained from the Form EIA-863 was supplemented with information from the Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," to provide separate stratification schemes that vary by product and State. Dealers selling in four or more States and company/State units comprising 5 percent or more of sales in that State were selected with certainty. The remaining company/State units on

the frame were stratified within geographic area and sales type by urban/rural designation and volume of product sales. The geographic areas were defined as (a) the 24 States in which No. 2 distillate was a significant heating source and 51 States for residual and motor gasoline, or as (b) the PAD Districts for districts where not all State estimates are provided. The type-of-sale classifications were retail and resale for motor gasoline and residual fuel oil, and residential and non-residential retail and wholesale for distillate. Three volume-of-sales classifications (zero, low, and high) were defined with volume boundaries and numbers of strata, differing by State, sales type, and product.

The design of the EIA-782B sample was based on seven target variables: total retail motor gasoline, total wholesale motor gasoline, residential No. 2 fuel oil, other retail No. 2 fuel oil, total wholesale No. 2 fuel oil, total retail residual fuel oil, and total wholesale residual fuel oil. The required level of accuracy for each target variable was defined by a volume coefficient of variation (CV) of 15 percent for No. 2 distillate and 10 percent for motor gasoline and residual fuel oil, determined at the publishable State level (24 States for distillate, 51 for motor gasoline and residual). Studies on the relationship of volume CV to price CV have shown that this will produce price CVs of less than 1 percent. The reliability of current month estimates will vary from these goals due to the deterioration of the frame over time and the changing distributions of price and volume.

The samples resulting from the separate stratification schemes were combined by means of a linked-selection procedure designed to maximize the overlap among samples. This procedure produced a sample size of approximately 2,788 companies. Each company selected was required to file completed survey forms for all States in which it had petroleum sales.

The Form EIA-782C was sent to all prime suppliers of any of the selected products on the EIA-782C. A prime supplier is a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users. They were selected with certainty due to their small number and the relative size of their sales volumes.

Discussion of the Sampling Frame

The Form EIA-782A mailing list consisted of all companies included on the mailing lists for the Form EIA-87, "Refiners Report," and the Form EIA-64, "Natural Gas Liquids Operations Report," in addition to those companies identified as refiners or gas plant operators on the Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," name and address

file. The records from these combined files provided comprehensive coverage of the target population of refiners and gas plant operators. Currently, there are 161 companies responding to the EIA-782A.

The EIA-863 data base provided the sampling frame for the EIA-782B survey. The EIA-863, "Petroleum Product Sales Identification Survey," was mailed to approximately 27,000 companies in January 1989, in order to collect 1988 State level sales volume data for No. 2 distillate, residual, and motor gasoline. The No. 2 distillate data were further identified by residential/nonresidential end-use and non-end-use sales, while the residual and motor gasoline data were identified by end-use and non-end-use sales. The mailing list for the EIA-863 survey was constructed by merging and unduplicating the previous master frame file and approximately 47 State and commercial lists.

Data from the 1988 EIA-821, "Annual Fuel Oil and Kerosene Sales Report" survey were merged with data from the EIA-863 survey to yield a combined file. A transformed and edited version of this file was created to form the sample file used to design and select the EIA-782B sample.

NOTE: Truck stops selling No. 2 diesel fuel were not specifically included in the frame. Therefore, the EIA-782B end-use category, "sales through company outlets," does not incorporate all sales of No. 2 distillate.

The initial Form EIA-782C mailing list consisted of all companies included on the mailing lists for the Forms EIA-782A and EIA-25 and all other firms believed to qualify for reporting. The Form EIA-782C frame currently includes approximately 238 firms.

Reliability of Data

There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Nonsampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results are determined by the joint effects of sampling and nonsampling errors.

Measures of Sampling Variability

Tables 15, 16, 28 to 34, 37 to 39, and 41 utilize a particular sample of nonrefiners and, therefore, have sampling error. The remainder of the tables published are based on census data; therefore, there is no error due

to sampling. The particular sample used for the EIA-782B is one of a large number of all possible samples that could have been selected using the same design. Estimates derived from the different samples would differ from each other. The average of these estimates would be close to the estimate derived from a complete enumeration of the population (a census), assuming that a complete enumeration has the same nonsampling errors as the sample survey.

The sampling error, or standard error of the estimate, is a measure of the variability among the estimates from all possible samples of the same size and design and, thus, is a measure of the precision with which an estimate from a particular sample approximates the results of a complete enumeration. Tables 50 to 54 provide the upper bounds of standard errors for sales prices of motor gasoline, No. 2 distillate, No. 2 fuel oil, and residual fuel oil, respectively.

Nonsampling Errors

Nonsampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse), (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses.

Although no direct measurement of the biases due to nonsampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. In addition, the close cooperative consultation between EIA and the EIA-782 survey respondents and data users results in a more accurate information gathering and reporting process. EIA-782 survey response rates are presented by type of entity in Table 55.

Imputation and Estimation

Survey data gathered from the respondents invariably contain incomplete reporting, nonresponse, and values that fail editing. These missing data are estimated, or imputed for, as follows. First, for all survey units, the previous month's reported value and the previous month's predicted value are weighted together to yield a predicted value for the current month. The sum of the weighted, predicted values for nonrespondents in the current month is then multiplied by a chain link multiplier (the ratio of the sum of the weighted, re-

ported values for respondents in the current month to the sum of the weighted, predicted values for respondents in the current month). The resulting estimate for nonreported values is then added to the reported values. That is,

$$\hat{V}_t = \sum_R W_i^* V_{i,t} + \frac{\sum_R W_i V_{i,t}}{\sum_R \tilde{V}_{i,t}} \cdot \sum_{NR} W_i^* \tilde{V}_{i,t} \quad (1)$$

Where

$$W_i^* = \frac{N}{\sum_{i=1} W_i} (W_i)$$

W_i = the weight for company i . For resellers/retailers responding to EIA-782B, W_i is inversely proportional to the probability of inclusion. For all certainty units $W_i = 1$. The certainty units are all respondents to the EIA-782A, the EIA-782C, and the units selected with certainty for the EIA-782B.

N = total number of population units,

n = number of sampled units,

$\sum_R$ = summation across current month respondents,

$\sum_{NR}$ = summation across current month nonrespondents,

$V_{i,t}$ = current month (t) reported volume for company i ,

$\hat{V}_t$ = current month (t) estimated total volume,

$\tilde{V}_{i,t}$ = current month (t) predicted volume for company i ,

$$\tilde{V}_{i,t} = \alpha \tilde{V}_{i,t-1} + (1 - \alpha) V_{i,t-1} \quad (2)$$

where

$\tilde{V}_{i,t-1}$ = previous month ($t-1$) predicted volume for company i ,

$V_{i,t-1}$ = previous month ($t-1$) reported volume for company i ,

α = constant between 0 and 1, set by product and type of sale.

Analogously, revenue formulas are expressed by replacing $\hat{V}_t$, $V_{i,t}$, and $V_{i,t-1}$ in (1) and (2) with $\hat{Q}_t$, $Q_{i,t}$, $Q_{i,t}$, and $Q_{i,t-1}$, where Q represents revenue; i.e., price times volume. The resulting estimated revenues

and volumes, $\hat{Q}_t$ and $\hat{V}_t$, are aggregated to the publishable level to yield $\hat{Q}_t$ and $\hat{V}_t$, respectively. Current period volume weighted average price is therefore estimated by:

$$\hat{P}_t = \frac{\hat{Q}_t}{\hat{V}_t} \quad (3)$$

where (t.) represents aggregation to the publishable level for the current month (t).

Multiple product data collection and linked sample selection yield two types of respondents: basic and supplemental. Both types are used for imputation, estimation, and standard errors.

Standard errors are obtained by taking the square root of the variance. The variance is estimated by using an approximation to the variance of an estimated ratio for use with an unequal probability sample.

The variance estimate is:

$$VAR(\hat{P}_t) = \frac{1}{\hat{V}_t^2} \sum_k N_k^2 n_k (1-f_k) \frac{M_k}{(\sum_i W_{ik})^2}$$

where

N_k = the number of population units in group k

n_k = the number of basic and volunteer respondents in group k

W_{ik} = the sampling weight for respondent i in group k

$$f_k = \frac{n_k}{N_k}$$

and $\hat{P}_t$ and $\hat{V}_t$ are as previously defined.

The term M_k is computed as follows:

$$M_k = \frac{\sum_i (M_{ik})^2}{n_k - 1}$$

where

$$M_{ik} = W_{ik} V_{ik} D_{ik} - \frac{W_{ik}}{(\sum_i W_{ik})} \times (\sum_i W_{ik} V_{ik} D_{ik})$$

and

$$D_{ik} = P_{ik} - \hat{P}_t$$

V_{ik} = reported volume for respondent i in group k

P_{ik} = reported price for respondent i in group k.

Data Continuity

The transition from the EIA-460, the EIA-9A, and the EIA-25 to the EIA-782, as discussed under "Background," occurred late in 1982 and involved many changes. These included changes in the reporting forms (such as changes in product definition), the frame, the nonresponse adjustment (imputation procedure), the sample, and the operating system; i.e., the editing and computational procedures. All these changes may be expected to have an impact on the volumes and prices derived from the EIA-782 survey and presented in this publication.

Since the transition from the EIA-460, the EIA-9A, and the EIA-25 to the EIA-782 took place over a period of 4 months, rather than occurring at one time, it was possible to compare data from the predecessor surveys with data from the new survey during the transition period for some data elements. This comparative analysis yielded adjustment factors which reflected the estimated overall effect of the changes.

These adjustment factors were applied to the appropriate predecessor survey prices to yield a backcast estimate. A complete description of the estimation of historical data prior to January 1983 is contained in the feature article of the December 1983(3) issue of the PMM.

The backcast price estimation employed the predecessor survey published price as the initial approximation. The initial approximation, however, frequently represented less aggregated product categories and more aggregated seller/sales categories. Therefore, more comparable product categories were formed by volume weighting the disaggregated predecessor survey product prices. For the EIA-9A, comparable categories were formed by subtracting from the price the average taxes reported. Comparable seller/sales categories were formed by multiplying the predecessor price by the ratio of the EIA-782 price for the category to be estimated divided by the volume weighted prices for the aggregate of the EIA-782 categories most comparable to the predecessor category. That is,

$$\hat{P}_{460,i} = \hat{P}_{460,j} \frac{\hat{P}_{782,i}}{\hat{P}_{782,j}}$$

where i represents the EIA-782 category to be backcast and j represents the most similar category on the predecessor survey.

The backcast price series were estimated by multiplying the estimate for the previous time period from the predecessor survey by an adjustment factor:

$$\hat{P}_{782,i,t} = \hat{P}_{\text{Predecessor},i,t} \times (\text{Adjustment Factor})$$

where t = reference month.

Adjustment factors were computed by dividing the EIA-782 December price by the derived December predecessor price for comparable categories:

$$\text{Adjustment Factor} = \frac{\hat{P}_{782,i,\text{December}}}{\hat{P}_{\text{Predecessor},i,\text{December}}}$$

The EIA-782 December 1982 price for all respondents had to be estimated since not all of the EIA-782 respondents were reporting in December. This estimate was based on the average of the ratios of the prices for the December respondents to the prices for all respondents in January, February, and March of 1982. That is,

$$\hat{P}_{782,i,\text{December}} = \hat{P}_{782,i,r,\text{December}} \div \frac{\sum_m \hat{P}_{782,i,r,m}}{3}$$

where r = respondents who reported in the December reference month and m = the months of January, February, and March.

Starting with the January 1984 final estimates, prices published are derived using the sample described under "Discussion of Sample Design." Prices published for January through December 1983 were derived using a different sample and design (see the December 1983(3) issue of the PMM for further description). Therefore, there may be some minor discontinuity between the December 1983 and January 1984 estimates.

Collection Methods

Survey data are collected by mail every month. It is mandatory for each respondent to submit completed forms to EIA within the specified time allotted. For the EIA-782A and B, completed forms must be submitted no later than 30 calendar days after the close of each reference month. For the EIA-782C, completed forms must be submitted no later than 20 calendar days after the close of the reference month. Telephone fol-

low-up calls to nonrespondents begin the day after the established due date in order to collect all outstanding data. Late submissions and resubmissions are processed when received.

Data Processing

As EIA-782 forms are received, they are logged into an automated Survey Control File which maintains monthly status codes for each company. The data are reviewed manually and then entered onto the computer files. They are then processed through an automated edit program which detects missing data, inconsistent prices, volumes and prices that significantly differ from those previously reported by the company, and outlying values that will affect published estimates. Data that fail the edits are resolved through telephone calls to the data reporters, and corrections and verification codes are entered on the computer files. Statistical reports, including publication tables, are then generated using only acceptable and verified data.

Nondisclosure

The data contained in this publication are subject to statistical nondisclosure procedures. The objective of the disclosure-avoidance procedures, as stated in the Energy Information Administration Standard 88-05-06, Subject: "Nondisclosure of Company Identifiable Data in Aggregate Cells," is to ensure that confidential, company-identifiable data are not disclosed in tables where "company specific responses may be proprietary and prohibited from public disclosure by 18 U.S.C. 1905." Statistics representing data aggregated from fewer than three companies or that are dominated by input from one or two companies are withheld. EIA identifies cells that are sensitive according to these criteria by applying a statistical formula to the data contained in each cell to determine if a few companies "dominate" the cell.

If a cell is sensitive, the data in that cell are suppressed and a "W" is placed in the publication cell. Also, since many tables include row or column totals, some nonsensitive data cells have been suppressed to prevent the reader from calculating the suppressed numbers by simply subtracting the published numbers from the total.

Relationship of Refiner and Prime Supplier Sales Volumes

The refiner sales volumes collected on the EIA-782A are related to the prime supplier sales volumes collected on the EIA-782C, but conceptual differences exist which cause variations between these data. In general, EIA-782A volumes are intended to reflect *refiner sales* of petroleum products into *all secondary and tertiary markets*, while EIA-782C volumes are designed to measure *prime supplier sales* into only the *local markets of ultimate consumption*. Specifically:

- The reporting universe for the EIA-782C survey is significantly larger than that of the EIA-782A. While nearly all refiners and gas plant operators report on both surveys (a small number do not qualify as prime suppliers), some large, inter-State distributors and retailers, as well as some importers, report only on the EIA-782C.
- EIA-782A respondents are asked only to exclude sales to other refiners (that is, other respondents that comprise the primary market), while EIA-782C respondents are asked to exclude sales to any company that is not a local distributor, local retailer, or end user (DRE). Therefore, EIA-782C respondents are asked not only to exclude sales to refiners, but also to most large inter-State resellers, importers, traders, and retailers who transport product across State boundaries.
- The EIA-782A is designed to gather data on the sales of selected petroleum products made in each State, regardless of where the products are physically located or will be consumed. In contrast, the EIA-782C is designed to collect data reflecting only delivered sales of selected petroleum products into those States where the products are expected to be locally consumed.

Consequently, EIA-782A and EIA-782C volumetric data generally vary at national, regional, and State levels. In particular, differences are expected in States and regions in which major supply origination, pipeline distribution, or transfer points are located. In these States, large volumes of product may change hands

many times, often for eventual shipment outside the State. Since the EIA-782C is intended to measure only those sales into the final local markets of consumption (sales to DREs), all preceding sales are excluded. Furthermore, sales by EIA-782C respondents are reported wherever the product was delivered, which may differ from the State where title transferred. In contrast, the EIA-782A reflects all sales made to secondary resellers, wherever title transfers.

Additionally, the EIA-782C reflects imports by firms that are neither refiners nor gas plant operators, that would not be measured on the EIA-782A unless they were transferred to a distribution chain. This would mostly affect regions with a high level of product imports, such as the New England or Mid-Atlantic States.

Therefore, States with major refining areas, such as Texas or California, generally show higher prime supplier sales, since some of the volumes reported on the EIA-782A are excluded on the EIA-782C or are reported in different States. Conversely, net consuming States (e.g., most PAD District I and PAD District II States) may show larger prime supplier sales on the EIA-782C due to inter-State movements or imports by resellers and/or differences in State of delivery versus title transfer. However, this may be partially or entirely offset by some refiners reporting larger sales volumes on the EIA-782A than on the EIA-782C (due to fewer exclusions taken on the EIA-782A).

In summary, caution should be exercised when comparing sales volumes between refiners and prime suppliers. Whereas EIA-782A data reflect the marketing of product by refiners to non-refiners where the sale occurs, EIA-782C data reflect prime supplier sales to local distributors, local retailers, and end users where the product is delivered. Therefore, the EIA-782A and EIA-782C surveys differ by the respondents reporting (refiners versus prime suppliers), the types of sales reported (sales to non-refiners versus sales to DREs), and the location of the reported sales (point of title transfer versus destination of the sale). While refiner volumes and prime supplier sales are related, the complex nature of the U.S. distribution system will result in varying degrees of dissimilarity between them.

Table EN1. Federal and State Motor Fuel Taxes¹
(Cents per Gallon)

	Motor Gasoline	Diesel Fuel	Gasohol		Motor Gasoline	Diesel Fuel	Gasohol
Federal ²	18.40	24.40	13.00	Mississippi ⁴	18.40	18.40	18.40
Average State Tax	18.77	18.66	18.24	Missouri ⁴	13.10	13.10	13.10
Alabama ⁴	18.00	19.00	18.00	Montana ⁴	25.68	25.68	25.68
Alaska	8.00	8.00	8.00	Nebraska	23.80	23.80	23.80
Arizona	22.00	19.00	22.00	Nevada ⁴	23.60	27.60	23.60
Arkansas	18.70	18.70	18.70	New Hampshire	18.80	18.80	18.80
California ^{3 4}	17.60	17.60	17.60	New Jersey	14.50	17.50	14.50
Colorado	22.31	20.81	22.31	New Mexico ⁴	23.00	19.00	23.00
Connecticut ³	29.00	18.00	28.00	New York ^{3 4}	22.89	24.89	22.89
Delaware	19.00	19.00	19.00	North Carolina	22.25	22.25	22.25
District of Columbia ³ ..	20.00	20.00	20.00	North Dakota	17.25	17.25	17.25
Florida ⁴	11.80	11.80	11.80	Ohio	22.00	22.00	22.00
Georgia ^{3 4}	7.60	7.60	7.60	Oklahoma	17.00	14.00	17.00
Hawaii ^{3 4}	16.00	16.00	16.00	Oregon ⁴	24.00	24.00	19.00
Idaho	22.00	22.00	18.00	Pennsylvania	22.35	22.35	22.35
Illinois ^{3 4}	19.30	21.80	19.30	Rhode Island	28.00	28.00	28.00
Indiana ³	15.08	16.08	15.08	South Carolina ⁴	16.75	16.75	16.75
Iowa ³	20.00	22.50	19.00	South Dakota	20.00	20.00	19.00
Kansas	18.02	20.02	18.02	Tennessee	21.40	18.40	21.40
Kentucky	15.40	12.40	15.40	Texas	20.00	20.00	20.00
Louisiana ³	20.03	20.03	20.03	Utah	19.50	19.50	19.50
Maine	19.00	20.00	19.00	Vermont	16.00	17.00	16.00
Maryland	23.50	24.25	23.50	Virginia ³	17.70	16.20	17.70
Massachusetts	21.00	21.00	21.00	Washington ⁴	23.12	23.12	19.44
Michigan ³	15.88	15.88	15.88	West Virginia	20.50	20.50	20.50
Minnesota ³	20.00	20.00	18.00	Wisconsin	25.40	25.40	25.40
				Wyoming	9.00	9.00	5.00

¹ This figure lists rates of general application (including, but not limited to, excise taxes, environmental taxes, special taxes, and inspection fees), exclusive of county and local taxes. Rates are also exclusive of any State taxes based on gross or net receipts. The State rates are effective as of July 1, 1993.

² The Federal tax on motor gasoline and diesel fuel increased 4.3 cents, to 18.4 and 24.4 cents, respectively, on October 1, 1993.

³ Additional State taxes are levied as follows: California: 7.25-8.25 percent sales tax; Connecticut: 5 percent gross earnings tax; District of Columbia: 6 percent sales tax on No. 2 fuel oil; Georgia: 3 percent second motor fuel tax plus 1 percent sales tax; Hawaii: 4 percent sales tax; Illinois: sales tax varies by jurisdiction, from 6.25 to 8.0 percent; Indiana: 5 percent sales and use tax; Iowa: 1 percent environmental protection tax; Louisiana: 3.1 percent motor gasoline, 4 percent diesel for off-road use; Michigan: 4 percent sales tax; Minnesota: clean-up fund rate of 1.5 - 2.0 cents /per gallon based on storage size; New York: 4 percent sales tax; Virginia: sales and use tax of 2 percent in areas where mass transit systems exist.

⁴ Local option taxes (LOTS) are allowed. In Florida, the State assesses a State Comprehensive Enhanced Transportation System (SCETS) tax of two-thirds the county rate (of 1 to 6 cents per gallon) in addition to the regular excise tax. In Hawaii, LOTS are as follows: Honolulu: 16.5 cents per gallon; Maui: 9.0 cents per gallon; Hawaii: 8.8 cents per gallon; Kauai: 10.0 cents per gallon.

Source: State revenue/taxation offices.

Table EN 2. U.S. Postal Two-Letter State Abbreviations

AL	Alabama	KY	Kentucky	ND	North Dakota
AK	Alaska	LA	Louisiana	OH	Ohio
AZ	Arizona	ME	Maine	OK	Oklahoma
AR	Arkansas	MD	Maryland	OR	Oregon
CA	California	MA	Massachusetts	PA	Pennsylvania
CO	Colorado	MI	Michigan	RI	Rhode Island
CT	Connecticut	MN	Minnesota	SC	South Carolina
DE	Delaware	MS	Mississippi	SD	South Dakota
DC	District of Columbia	MO	Missouri	TN	Tennessee
FL	Florida	MT	Montana	TX	Texas
GA	Georgia	NE	Nebraska	UT	Utah
HI	Hawaii	NV	Nevada	VT	Vermont
ID	Idaho	NH	New Hampshire	VA	Virginia
IL	Illinois	NJ	New Jersey	WA	Washington
IN	Indiana	NM	New Mexico	WI	Wisconsin
IA	Iowa	NY	New York	WV	West Virginia
KS	Kansas	NC	North Carolina	WY	Wyoming

Revision Error

The petroleum product price and volume data shown for the current month are preliminary. These numbers may be revised in the next month's publication based on data received late or revisions received. For example, if the latest data shown are for the month of Feb-

ruary, the February data are preliminary and the January data may have been revised due to the receipt of late or revised data. The data are final upon publication in the *Petroleum Marketing Annual* (PMA). The difference between the data when they appear in the *Petroleum Marketing Monthly* (PMM) and when they appear in the PMA is called the revision error. The amount of revision error for some selected EIA-782 data series is shown in the following tables.

Table EN3. Revision Error in Selected 1992 U.S. Average Price Data
(Cents per Gallon Excluding Taxes)

Date	Refiner/Reseller Unleaded Regular Sales to End Users			No. 2 Distillate Sales to Residential Customers			Residual Fuel Oil Sales to End Users		
	Preliminary	Final	Difference	Preliminary	Final	Difference	Preliminary	Final	Difference
January	68.3	68.4	-0.1	94.1	94.2	-0.1	29.3	28.8	0.5
February	67.4	67.6	-.2	94.0	94.2	-.2	28.0	27.7	.3
March	68.3	68.5	-.2	93.0	93.2	-.2	27.9	27.7	.2
April	72.1	72.1	.0	92.3	92.5	-.2	29.7	29.6	.1
May	77.4	77.4	.0	92.4	92.3	.1	33.4	33.4	.0
June	80.4	80.5	-.1	92.4	92.0	.4	34.5	34.5	.0
July	79.4	79.4	.0	90.4	90.4	.0	36.7	36.7	.0
August	78.3	78.3	.0	88.5	88.6	-.1	38.9	38.8	.1
September	78.4	78.4	.0	90.1	90.1	.0	37.7	37.5	.2
October	77.4	77.4	.0	93.9	93.7	.2	39.2	39.2	.0
November	76.6	76.6	.0	94.7	94.8	-.1	39.4	39.4	.0
December	73.3	73.3	.0	94.5	94.5	.0	36.2	36.2	.0

Sources: Preliminary data are from Tables 15, 28, and 40 of the *Petroleum Marketing Monthly*. Final data are from Tables 15, 28, and 40 of the *Petroleum Marketing Annual, 1992*.

Table EN4. Revision Error in Selected 1992 Refiner Sales Volume Data
(Million Gallons)

Date	Motor Gasoline Sales for Resale			No. 2 Distillate Sales for Resale			Residual Fuel Oil Sales to End Users		
	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change
January	7,689	7,735	-0.6	3,423	3,399	0.7	843	881	-4.5
February	7,328	7,332	-.1	2,965	2,960	.2	763	809	-6.0
March	8,029	8,046	-.2	3,123	3,095	.9	770	814	-5.7
April	8,191	8,144	.6	3,041	3,026	.5	632	685	-8.4
May	8,384	8,355	.3	2,826	2,799	1.1	572	604	-5.6
June	8,208	8,150	.7	2,791	2,771	.7	610	646	-5.9
July	8,499	8,458	.5	2,830	2,798	1.1	626	650	-3.8
August	8,277	8,241	.4	2,818	2,790	1.0	588	585	.5
September	8,048	8,048	.0	3,157	3,163	-.2	605	601	.7
October	8,254	8,264	-.1	3,141	3,141	.0	611	610	.2
November	7,730	7,828	-1.3	2,946	2,989	-1.5	620	620	.0
December	8,556	8,550	.1	3,549	3,547	.1	676	689	-1.9

Sources: Preliminary data are from Tables 10, 45, and 46 of the *Petroleum Marketing Monthly* (PMM). Final data are from Tables 10, 45, and 46 of the *Petroleum Marketing Annual, 1992*.

Table EN5. Revision Error in Selected Volumes of 1992 First Sales Data
(Million Gallons)

Date	Total Motor Gasoline			Total No. 2 Distillate			Total Residual Fuel Oil		
	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change
January	9,635	9,593	0.4	4,643	4,612	0.7	1,680	1,699	-1.1
February	9,205	9,183	.2	4,056	4,019	.9	1,524	1,511	.9
March	10,076	10,032	.4	4,278	4,247	.7	1,516	1,578	-4.1
April	10,076	10,111	-.3	4,064	4,057	.2	1,481	1,481	.0
May	10,346	10,360	-.1	3,730	3,723	.2	1,288	1,288	.0
June	10,157	10,149	.1	3,639	3,649	-.3	1,318	1,318	.0
July	10,568	10,568	.0	3,723	3,715	.2	1,349	1,348	.1
August	10,262	10,257	.0	3,681	3,680	.0	1,070	1,067	.3
September	9,830	9,830	.0	3,903	3,896	.2	1,157	1,145	1.0
October	10,361	10,353	.1	4,201	4,195	.1	1,257	1,247	.8
November	9,680	9,656	.2	3,906	3,920	-.4	1,234	1,238	-.3
December	10,409	10,317	.9	4,541	4,518	.5	1,352	1,352	.0

Sources: Preliminary data are from Tables 47, 48, and 49 of the *Petroleum Marketing Monthly* (PMM). Final data are from Tables 47, 48, and 49 of the *Petroleum Marketing Annual, 1992*.

The Crude Oil Price Surveys

Background

Form EIA-182: "Domestic Crude Oil First Purchasers' Report"

Each month, EIA-182 provides data from the buyers on first purchases of domestic crude oil. A "first purchase" constitutes a transfer of ownership of crude oil during or immediately after the physical removal of the crude oil from a production property for the first time. Transactions between affiliated companies are reported as if they were "arms-length" transactions. (This definition is consistent with the Windfall Profits Tax (WPT) concepts of "first sale" and "removal price.") The primary objective is to calculate an average first purchase price at various levels of aggregation. A company's monthly average first purchase prices are volume weighted across given geographical areas and are computed from the following reported data elements:

- **Area of production.** The producing State or non-State production "area" (i.e., Alaska North Slope, Alaska Other Mainland, Federal Offshore California and Federal Offshore Gulf--about one-fifth off Texas and the remainder off Louisiana).
- **Total amount paid.** Reported f.o.b. the lease boundary and based on the actual purchase expenditures, including discounts or premiums paid.
- **Total volume purchased.** The amount of crude bought and paid for as it is measured at the lease boundary (usually at a lease automatic custody transfer unit--a LACT unit), adjusted for basic sediment and water (BS&W) and temperature.

Prices published from data collected on Form EIA-182 are calculated by dividing the sum of the total amounts paid by the sum of the total volumes purchased.

Form EIA-856: "Foreign Crude Oil Acquisition Report"

The EIA-856 provides monthly price and volume data for about 90 percent of all the crude oil imported into the United States. It also provides classification data that enable EIA to determine the terms of an acquisition. The data are reported for the parent company and all the affiliates controlled by the parent. Under this definition, the acquisition price reported for each cargo is the one paid to an unaffiliated seller, in principle an "arms-length" price, which is consistent with use of the data to represent market trends, rather than monitoring internal company transfer pricing policies.

Each month, respondents report the following for cargos acquired for U.S. importation:

- **Offshore inventories.** Crude oil owned by the respondent that is intended for importation into the United States. These inventories include oil in tankers enroute to the United States and floating or on-land storage outside the United States.
- **Crude type.** Includes the country of origin of the cargo of crude, the stream or type of crude oil (e.g., Saudi Light), and the API gravity.
- **Volume.** The number of 42 gallon barrels in the cargo.
- **Dates.** The date of loading/acquisition and the expected month of landing.
- **Transportation.** Ports of loading and landing and the name of the vessel.
- **Prices.** Acquisition cost, landed cost, and other costs such as demurrage, agent's fees, import tariffs and fees, etc. (all costs are reported in dollars per barrel).
- **Days credit.** The number of days credit is extended to the purchaser by the seller.
- **Purchase classifying information.** Type of transaction (e.g., purchase from host government), terms of transaction (spot or contract), and point of transaction (f.o.b. (free on board), country of origin or CIF (cost, insurance, and freight), U.S. port of entry).

Published prices are calculated by first multiplying the purchase volume by a price to obtain a total cost, then the sums of the total costs are divided by the sums of the purchase volumes.

The prices associated with data collected on Form EIA-856 are aggregated within the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. By design, the prices are not aggregated for the month in which they are determined, unless the acquisition and price determination month are the same. EIA-856 data reflect types of trades occurring over the entire spectrum of international crude oil markets, ranging from continuing supply agreements to spot market purchases. Prices can be determined at time of loading or at time of landing. Prices can be negotiated between the parties involved or tied to spot or futures market price levels. The methodology chosen for the EIA-856 provides a consistent historical series even though its prices may not always agree with measures of prices from other sources.

International crude oil markets are complex and dynamic. For example, a cargo of Saudi Arabian crude oil could be acquired in June at a loading port in Saudi Arabia. The cargo may land in the United States in August. The price for the crude oil could be determined by spot crude oil prices in effect during the 5 days

before and after landing. For the PMM, the price for this cargo will be aggregated in the month of June, when it was acquired. Conversely, a cargo of Brent crude may be acquired in June, but its price may have been determined in the forward Brent market in April. This cargo's price will also be aggregated in June, when the purchaser took title to the crude.

In the early 1980s, most crude oil prices were set by the country selling the crude. Gradually, as the supply of crude oil became more abundant, markets became more competitive. A robust spot market for crude evolved, in which prices for crude oil were determined by demand and supply. Frequently, the official sales price set by the selling government was considerably different than spot market assessments. As buyers began to purchase more crude oil on the spot market, the control that sellers had theretofore exercised eroded.

In order to protect their market share, crude oil producing governments began to tie prices for their crude to market-related prices. When these market-related pricing formulae came into prominence in late 1985, many crude oil prices were tied to a "netback realization," wherein a crude oil's value was determined by volume weighted spot market prices of products derivable from that crude. The weights essentially reflected the relative yield of selected products from a given crude stream. These netback-based formulae gradually gave way to formulae based on spot crude oil assessments.

The formulae and terms used by sellers of crude oil continue to change. Since the EIA-856 prices are aggregated by month of acquisition--not necessarily the same as month of price determination--they may not always show the same pattern as a series from another source (e.g., trade-press publications). During periods of dramatic change in crude oil prices, aggregate prices derived from EIA-856 data will tend to "lead" the market. That is, these prices will show the emerging trend earlier, reach the inflection point sooner, and then return to the underlying trend. When averaged over longer periods of time, however, EIA-856 prices show the same relative price movements as exogenous sources.

Form EIA-14: "Refiners' Monthly Cost Report"

The EIA-14 is a monthly census of all U.S. refiners. It collects the net acquisition costs and volumes of crude oil, both domestic and imported, on a corporate national basis (i.e., not for individual refineries). Included in the costs are all charges associated with the acquisition, transportation, and storage of crude incurred by respondents up to the time the oil is booked into their refineries.

Each month, refiners report the volume (in thousands of barrels) and costs (in thousands of dollars) for:

- **Domestic crude oil.** Oil produced in the United States or from its outer continental shelf.
- **Imported crude oil.** Oil produced outside the United States and brought into the United States for domestic processing.
- **Unfinished oils.** All other oils, both domestic and imported, requiring further refining, except those requiring only mechanical blending.

Average prices are calculated by dividing the sum of the costs by the sum of the volumes.

Respondent Frame

EIA-182:

All firms that buy domestic crude oil at the lease boundary, acquiring ownership of the crude in a first purchase transaction. The list initially was compiled from the 1974 Federal Energy Administration (FEA) Oil and Gas Survey of Producers and Operators. Collection of data from first purchasers began in February 1976. By 1978, the frame consisted of 340 respondents. Of these, 198 purchased more than 150,000 barrels per year and together represented 99.9 percent of the total reported volume.

Adjustments to the frame have mostly been "deaths," with relatively few "births." Following decontrol in January 1981, there was a major contraction of the list of active first purchasers. Many small firms went out of business or were absorbed by larger companies. More recent changes include several mergers among majors and one breakup of a major company. Currently, the EIA-182 survey collects data from 170 active respondents.

EIA-856:

All companies that were reporting data on the ERA-51, "Transfer Pricing Report," as of June 1982, are required to prepare and submit an EIA-856 each month, regardless of the total volumes of crude oil that are imported. In addition, all other companies that acquire more than 500,000 barrels of foreign crude oil in the report month for importation into the United States are required to prepare and submit an EIA-856 for that month.

EIA-14:

All refiners of crude oil in the United States, including its territories and possessions. There are currently 107 active respondents to the EIA-14.

The list of respondents to the EIA-14 is updated annually by supplementation from the EIA-782A, "Refiner/Gas Plant Operators' Monthly Petroleum Product Sales Report," and the EIA-810, "Monthly Refinery Report."

Data Collection Processing

All three crude oil data collection systems are operated independently. Each performs similar data collection and processing functions that are outlined below.

Survey data are collected by mail every month. It is mandatory for each respondent to submit completed forms to EIA no later than 30 calendar days after the close of each reference month. Telephone follow-up calls to nonrespondents begin 2 days after the established due date in order to collect all outstanding data. Late submissions and resubmissions are processed when received.

The forms are logged and reviewed manually. The data are then entered onto computer files. The files are then processed through an automated edit program which detects missing data, inconsistent prices, and outlying values that affect published estimates. Data that fail the edits are resolved through telephone calls to data reporters, and corrections and verification codes are entered onto computer files. Statistical reports, including publication tables, are then generated using only acceptable and verified data. Response rates are normally 100 percent by the time final statistics are calculated.

Nondisclosure

The data contained in this publication are subject to statistical nondisclosure procedures. The objective of the disclosure-avoidance procedures, as stated in the Energy Information Administration Standard 88-05-06, Subject: "Nondisclosure of Company Identifiable Data in Aggregate Cells," is to ensure that confidential, company-identifiable data are not disclosed in tables where "company specific responses may be proprietary and prohibited from public disclosure by 18 U.S.C. 1905." Statistics representing data aggregated from fewer than three companies or that are dominated by input from one or two companies are withheld. EIA identifies cells that are sensitive according to these criteria by applying a statistical formula to the data contained in each cell to determine if a few companies "dominate" the cell.

If a cell is sensitive, the data in that cell are suppressed and a "W" is placed in the publication cell. Also, since

many tables include row or column totals, some nonsensitive data cells have been suppressed to prevent the reader from calculating the suppressed numbers by simply subtracting the published numbers from the total.

Data Continuity

The crude oil statistics published in the *Petroleum Marketing Monthly* constitute both a republishing of numbers that already appear in the *Monthly Energy Review* (MER) and the *Annual Energy Review* (AER), and a simple extension of the detail of such statistics. These statistics have been published for a number of years in the MER and AER. The data currently collected through the crude oil surveys are compatible with data used to derive statistics for the historical series. The definitions, respondents, and processing have not changed substantially over the years the data have been collected. The target populations and the computational algorithms have remained virtually unchanged.

Reliability of Data

There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Since the crude oil surveys are based on a census of the population, these surveys contain no sampling error.

Nonsampling errors can be attributed to many sources: (1) inability to obtain complete information from all respondents in the survey (i.e., nonresponse), (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data.

Although no direct measurement of the biases due to nonsampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. In addition, the close cooperative consultation between EIA and the survey respondents and data users results in a more accurate information gathering and reporting process.

Imputation

Since the response rates for the crude oil survey are virtually 100 percent, there are no imputation procedures in the PMM data for nonresponse to these surveys. Imputation is performed, however, on EIA-182 volume data used in estimating crude oil production published in the *Petroleum Supply Monthly* (PSM). Since production estimates for the PSM are required on an expedited schedule, some responses are imputed for the PSM. However, all responses are received prior to the publication of the PMM, thus no imputation is required for the price data published in the PMM. See Note 8 in the Explanatory Notes in the PSM for additional information on the use of EIA-182 data in estimating domestic crude oil production.

Revision Error

The crude oil values shown for Domestic First Purchase Prices and Refiner Acquisition Cost (RAC) for the current month and for Average Landed Costs for the current 2 months are preliminary. These numbers are revised in the month after the preliminary month(s) based on data received late or revisions received. For example, in the February publication, the February RAC data are preliminary and the January RAC data may have been revised due to receipt of late or revised data. The data are final upon publication in the *Petroleum Marketing Annual* (PMA). The difference between the data when they first appear in the *Petroleum Marketing Monthly* (PMM) and when they appear in the PMA is called the revision error. The amount of revision error for some selected crude oil data series is shown in the tables which follow.

Table EN6. 1992 Revision Error: Form EIA-14¹
(Dollars per Barrel)

Date	Refiner Acquisition Costs								
	Domestic			Imported			Composite		
	Preliminary	Final	Difference	Preliminary	Final	Difference	Preliminary	Final	Difference
January	16.76	16.80	-0.04	15.98	16.10	-0.12	16.42	16.50	-0.08
February	16.48	16.54	-.06	16.17	16.00	.17	16.35	16.30	.05
March	16.81	16.71	.10	16.36	16.36	.00	16.62	16.56	.06
April	17.89	17.88	.00	17.37	17.37	.00	17.66	17.66	.00
May	18.86	18.86	.00	18.79	18.79	.00	18.83	18.83	.00
June	20.02	20.13	-.11	19.63	19.83	-.20	19.84	19.99	-.15
July	20.42	20.42	.00	19.74	19.74	.00	20.10	20.10	.00
August	19.84	19.84	.00	19.25	19.25	.00	19.56	19.56	.00
September	19.88	19.88	.00	19.26	19.26	.00	19.59	19.59	.00
October	19.64	19.64	.00	19.22	19.34	-.12	19.44	19.49	-.05
November	18.81	18.90	-.09	18.37	18.40	-.03	18.60	18.66	-.06
December	17.85	17.85	.00	16.94	16.94	.00	17.43	17.43	.00

¹ "Refiners' Monthly Cost Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual*, 1992.

Table EN7. 1992 Revision Error: Form EIA-182¹
(Dollars per Barrel)

Month	Preliminary	Final	Difference
January	13.94	13.99	-0.05
February	13.98	14.04	-.06
March	14.12	14.12	.00
April	15.37	15.36	.01
May	16.42	16.38	.04
June	17.98	17.96	.02
July	17.80	17.80	.00
August	17.09	17.07	.02
September	17.19	17.20	-.01
October	17.16	17.16	.00
November	16.03	16.00	.03
December	14.93	14.94	-.01

¹ "Domestic Crude Oil First Purchase Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual*, 1992.

Table EN8. 1992 Revision Error: Form EIA-856¹
(Dollars per Barrel)

Month	FOB Cost of Imports			Landed Cost of Imports		
	Preliminary	Final	Difference	Preliminary	Final	Difference
January	14.15	14.32	-0.17	15.14	15.28	-0.14
February	14.36	14.68	-.32	15.30	15.60	-.30
March	14.64	14.96	-.32	15.64	16.00	-.36
April	16.13	16.57	-.44	16.85	17.40	-.55
May	17.27	17.56	-.29	18.09	18.38	-.29
June	18.36	18.38	-.02	19.42	19.44	-.02
July	17.94	18.01	-.07	19.08	19.13	-.05
August	17.61	17.65	-.04	18.63	18.74	-.11
September	18.01	18.04	-.03	18.88	18.90	-.02
October	17.80	17.68	.12	18.90	18.75	.15
November	16.45	16.49	-.04	17.79	17.64	.15
December	15.49	15.62	-.13	16.48	16.58	-.10

¹ "Monthly Foreign Crude Oil Acquisition Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual, 1992*.

Product Guide

Product Guide

Category	Table		
	Prices	Volumes	Prime Supplier Sales
Crude Oil			
Refiner Acquisition Cost			
U.S. Average	1	--	--
-by type of refiner	19	--	--
Domestic First Purchases			
U.S. Average	1	--	--
U.S., PAD District, and State	20	--	--
Imports			
FOB Costs			
-from selected countries	1	--	--
-by API gravity	21	--	--
-for selected crude streams	23	--	--
-for selected crude streams	26	--	--
Landed Costs			
-from selected countries	22	--	--
-by API gravity	24	--	--
-for selected crude streams	27	--	--
Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
-detailed sales type data	10	10	--
-from 1978 to present	2, 4, 13	--	--
-from 1983 to present	11	3, 5, 12, 14	--
U.S., PAD District, and State			
-by seller type with			
-detailed sales type data	28, 29, 30	42	--
U.S. and State	--	--	47
Leaded Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 31	43	--
U.S. and State	--	--	47
Unleaded Regular Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 32	43	--
U.S. and State	--	--	47
Unleaded Midgrade Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 33	43	--
U.S. and State	--	--	47
Premium Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 34	43	--
U.S. and State	--	--	47

Product Guide

Category	Table		
	Prices	Volumes	Prime Supplier Sales
Aviation Gasoline			
U.S. Average or Total	HL1	HL1	48
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State	35	44	--
U.S. and State	--	--	48
Kerosene-Type Jet Fuel			
U.S. Average or Total	HL1	HL1	48
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State	35	44	--
U.S. and State	--	--	48
Propane, Consumer Grade			
U.S. Average or Total	HL1	HL1	48
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State	35	44	--
U.S. and State	--	--	48
Kerosene			
U.S. Average or Total	HL1	HL1	--
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State	36	45	--
No. 1 Distillate			
U.S. Average or Total	HL1	HL1	--
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State	36	45	--
No. 2 Distillate			
U.S. Average or Total	HL1	HL1	49
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4, 16	--	--
-from 1983 to present	15	3, 5	--
U.S., PAD District, and State	--	--	--
-with detailed sales type data	36, 37, 38	45	--
U.S. and State	--	--	49
No. 2 Fuel Oil			
U.S. Average or Total	HL1	HL1	49
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State	--	--	--
-with detailed sales type data	39	--	--
U.S. and State	--	--	49

Product Guide

Category	Table		
	Prices	Volumes	Prime Supplier Sales
No. 2 Diesel Fuel			
U.S. Average or Total	HL1	HL1	49
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S. and State	--	--	49
No. 4 Fuel			
U.S. Average or Total	HL1	HL1	--
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S. and PAD District	40	46	--
Residual Fuel Oil			
U.S. Average or Total	HL1	HL1	48
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4, 17	--	--
-from 1983 to present	--	3, 5, 18	--
U.S., PAD District, and/or State	40, 41	46	--
U.S. and State	--	--	48
Residual Fuel Oil (sulfur content less than or equal to 1 percent)			
U.S. Average or Total	HL1	HL1	--
-by seller type	6, 7	8, 9	--
-from 1978 to present	17	--	--
-from 1983 to present	--	18	--
U.S., PAD District, and/or State	40, 41	46	--
Residual Fuel Oil (sulfur content greater than 1 percent)			
U.S. Average or Total	HL1	HL1	--
-by seller type	6, 7	8, 9	--
-from 1978 to present	17	--	--
-from 1983 to present	--	18	--
U.S., PAD District, and/or State	40, 41	46	--

-- = Not applicable

Glossary

Glossary

API Gravity: An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr}_{60\text{degF}/60\text{degF}}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aviation Gasoline (Finished): All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D 910 and Military Specification MIL-G-5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel: One barrel of crude oil contains 42 gallons.

CIF: Cost, insurance, and freight. A transaction for which the seller assumes the costs and risks of bringing the product to the point of destination (generally the port of landing). Thus, a CIF price is a delivered price.

Commercial/Institutional: Firms engaged in transportation, wholesale or retail trade, finance, insurance, and real estate. Also included are apartment buildings/complexes and other multifamily dwellings, hotels and office buildings or complexes, local, State, or Federal facilities or organizations including the military, schools, hospitals, religious institutions, universities, and all other Government-supported organizations.

Company Outlet: Any retail outlet (e.g., service station) selling gasoline or diesel fuel that is under the direct control of the company filing this report by virtue of the ability to set the retail product price and directly collect all or part of the retail margin. This category includes retail outlets: (1) being operated by salaried employees of the company and/or its subsidiaries and affiliates, and/or (2) involving personnel services contracted by the company.

Crude Oil (including lease condensate): A mixture of hydrocarbons that existed in liquid phase in under-

ground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Includes lease condensate and drip gas, as well as liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Excludes topped crude oil, residual oil, other unfinished oils, and liquids produced at natural gas processing plants and mixed with crude oil, where identifiable. Crude oil is considered as either domestic or imported according to the following:

1. **Domestic Crude Oil:** Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.
2. **Imported Crude Oil:** Crude oil produced outside the United States and brought into the United States.
3. **First purchase volume and cost data** for crude oil are classified in accordance with what the product was sold as, regardless of the actual specifications. Hence, its volumes may include some of the excluded liquids discussed above.

Crude Oil Acquisitions (unfinished oil acquisitions): The volume of crude oil either (1) acquired by the respondent for processing for his own account in accordance with accounting procedures generally accepted and consistently and historically applied by the refiner concerned, or (2) in the case of a processing agreement, delivered to another refinery for processing for the respondent's own account.

Crude oil which has been added by a refiner to inventory, and which is thereafter sold or otherwise disposed of without processing for the account of that refiner, shall be deducted from its crude oil purchases at the time when the related cost is deducted from refinery inventory in accordance with accounting procedures generally applied by the refiner concerned.

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 300-575 degrees Fahrenheit and used in high-speed diesel engines generally operated under wide variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D 975.
 - b. **No. 1 Fuel Oil:** A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D 396 specifies for this grade maximum distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees Fahrenheit.
2. **No. 2 Distillate:** A petroleum distillate which meets the specifications for No. 2 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 2 diesel fuel as defined in ASTM Specification D 975.
- a. **No. 2 Diesel Fuel:** A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees Fahrenheit for use in high speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D 975.
 - b. **No. 2 Fuel Oil:** A distillate fuel oil for use in atomizing type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D 396 specifies for this grade distillation temperatures at the 90-percent point between 540 and 640 degrees Fahrenheit, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees Fahrenheit.

NOTE: Published volume and price data for No. 2 diesel fuel and No. 2 fuel oil are classified in accordance to what the product was sold as, regardless of the actual specifications of that product; i.e., if a No. 2 distillate was sold as a heating or fuel oil, the volume and price would be published in the category "No. 2 Fuel Oil" even if the product conformed to the higher specifications of a diesel fuel.

3. **No. 4 Fuel:** A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This

grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D 396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees Fahrenheit. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D 975.

First Purchase (of crude oil): An equity (not custody) transaction involving an arms-length transfer of ownership of crude oil associated with the physical removal of the crude oil from a property (lease) for the first time. A first purchase normally occurs at the time and place of ownership transfer where the crude oil volume sold is measured and recorded on a run ticket or other similar physical evidence of purchase. The reported cost is the actual amount paid by the purchaser, allowing for any adjustments (deductions or premiums) passed on to the producer or royalty owner.

F.O.B. Price (free on board): The f.o.b. price is the price actually charged at the producing country's port of loading. The reported price includes deductions for any rebates and discounts or additions of premiums where applicable and should be the actual price paid with no adjustment for credit terms.

Gas Plant Operator: Any firm, including a gas plant owner, which operates a gas plant and keeps the gas plant records. A gas plant is a facility in which natural gas liquids are separated from natural gas, or in which natural gas liquids are fractionated or otherwise separated into natural gas liquid products or both. For the purposes of this publication, gas plant operator data are contained in the refiner categories.

Gasohol: A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol. For the purposes of this publication, gasohol may be included in any of the grades of gasoline, depending on how it was marketed.

Industrial: Firms engaged in mining, construction, or manufacturing.

Kerosene: A petroleum distillate that has a maximum distillation temperature of 401 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil. Kerosene is used in space heaters, cook stoves, and water heaters; it is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel: A quality kerosene product with an average gravity of 40.7 degrees API, and a 10-percent distillation temperature of 400 degrees Fahrenheit. It is covered by ASTM Specification D

1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low freezing point distillate of the kerosene type, it is used primarily for commercial turbojet and turboprop aircraft engines.

Landed Cost: Landed cost represents the dollar per barrel price of crude oil at the port of discharge. Includes charges associated with the purchase, transporting, and insuring of a cargo from the purchase point to the port of discharge. Does not include charges incurred at the discharge port (e.g., import tariffs or fees, wharfage charges, and demurrage).

Major Refiners: Refiners with a total refinery capacity in the United States and its possessions of greater than or equal to 275,000 barrels per day as of January 1, 1982. See Tables 5 and 6 of the *Petroleum Supply Annual*, 1981 (pages 107-137) for a listing of refiners and their capacities. The following companies comprise the major refiners for this survey:

Amerada Hess; Amoco Oil Company; Ashland Oil, Inc.; Atlantic Richfield Company; BP Oil; Champlin Refining; Chevron; Citgo Petroleum; Conoco Inc.; Exxon; Lyondell Petrochemical; Marathon Oil Company; Mobil Oil Corporation; Phillips Petroleum Company; Shell Oil Company; Star Enterprise; Sun Company, Inc.; Texaco, Inc.; Unocal (formerly Union Oil Company of California); and Uno-Ven Company.

Prior to being acquired by other major refiners, Getty Oil Company and the Gulf Oil Corporation were also included as major refiners.

Motor Gasoline (Finished): A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D 439-88 or Federal Specification VV-G-1690B, include a boiling range of 122 to 158 degrees Fahrenheit at the 10-percent point to 365 to 374 degrees Fahrenheit at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. (Alcohol that is to be used in the blending of gasohol is also excluded.)

1. **Leaded Regular Gasoline:** Gasoline having an antiknock index ($R + M/2$) greater than or equal to 87 and less than or equal to 90, and containing more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.
2. **Unleaded Regular Gasoline:** Gasoline having an antiknock index ($R + M/2$) greater than or equal to 85 and less than 88, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

3. **Unleaded Midgrade Gasoline:** Gasoline having an antiknock index ($R + M/2$) greater than or equal to 88 and less than or equal to 90, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

4. **Premium Gasoline:** Gasoline having an antiknock index ($R + M/2$) greater than 90. Includes both *leaded* and *unleaded* premium gasoline.

- a. **Leaded Premium Gasoline:** Gasoline having an antiknock index ($R + M/2$) greater than 90, and containing more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.
- b. **Unleaded Premium Gasoline:** Gasoline having an antiknock index ($R + M/2$) greater than 90, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

Naphtha: A generic term applied to a petroleum fraction with an approximate boiling range between 122 and 400 degrees F.

Naphtha-Type Jet Fuel: A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F., meeting Military Specification MIL-T-5624L (Grade Jp-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

OPEC: The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production and future concession rights. Current members: Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Other End Users: For motor gasoline, all direct sales to end users other than those made through company outlets. For No. 2 distillate, all direct sales to end users other than residential, commercial/institutional, industrial sales, and sales through company outlets. Included in the "other end users" category are sales to utilities and agriculture.

Other Refiners: Refiners with a total refinery capacity in the United States and its possessions of less than 275,000 barrels per day as of January 1, 1982. See Tables 5 and 6 of the *Petroleum Supply Annual*, 1981 (pages 107-137) for a listing of refiners and their capacities.

PAD District: Petroleum Administration for Defense Districts

PAD District I:

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

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

Subdistrict IC: Florida, Georgia, North Carolina, South Carolina, Virginia, West Virginia.

PAD District II:

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

PAD District III:

Alabama, Arkansas, Louisiana, Mississippi, New Mexico, Texas, Federal Offshore Gulf.

PAD District IV:

Colorado, Idaho, Montana, Utah, Wyoming.

PAD District V:

Alaska (North Slope and Other Mainland), Arizona, California, Hawaii, Nevada, Oregon, Washington, Federal Offshore California.

Prime Supplier: A firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.

Propane, Consumer Grade: A normally gaseous paraffinic compound (C₃H₈), which includes all products covered by Natural Gas Policy Act (NGPA) Specifications for commercial use and HD-5 propane and ASTM Specification D 1835. Excludes feedstock propanes, which are propanes not classified as consumer grade propanes, including the propane portion of any natural gas liquids (NGL) mixes; i.e., butane-propane mix.

Reference Month: The calendar month and year to which the reported cost, price, and volume information relates.

Refiner: A firm or the part of a firm that refines products or blends and substantially changes products, or refines liquid hydrocarbons from oil and gas field gases, or recovers liquefied petroleum gases incident to petroleum refining and sells those products to resellers, retailers, resellers/retailers, or ultimate consumers. "Refiner" includes any owner of products which contracts to have those products refined and then sells the refined products to resellers, retailers, or ultimate consumers. For the purposes of this publication, gas plant operator data are included in this category.

Reseller: A firm (other than a refiner) that carries on the trade or business of purchasing refined petroleum products and reselling them without substantially changing their form to purchasers other than ultimate consumers.

Reseller/Retailer: A firm (other than a refiner) that carries on the trade or business activities of both a reseller and a retailer; i.e., purchasing refined petroleum products and reselling them without substantially changing their form to purchasers who may be either ultimate or other than ultimate consumers.

Residential: In cases of sales of No. 2 fuel oil, includes individual customers or households (as opposed to businesses or institutions) that ostensibly use the fuel in a residence. Sales to apartment buildings/complexes or to other multifamily dwellings are excluded from the residential category and are included in the commercial/institutional category.

Residual Fuel Oils: The topped crude of refinery operations, which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D 396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO symbol F-77), and bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Retailer: A firm (other than a refiner, reseller, or reseller/retailer) that carries on the trade or business of purchasing refined petroleum products and reselling them to ultimate consumers without substantially changing their form.

Sale: The transfer of title from the seller to a buyer for a price. Excludes intrafirm transfers, products consumed directly by the reporting firm, or sales of bonded fuel. Also excludes products delivered/loaned to exchange partners, except where the amount given up exceeds the amount received and the differential is invoiced as a sale during the reference month.

Sales to End Users: Sales made directly to the consumer of the product. Includes bulk consumers such as agriculture, industry, and utilities, as well as residential and commercial consumers.

Sales for Resale: Sales of refined petroleum products to purchasers who are other-than-ultimate consumers; wholesale sales.

Sales Type: Sales categories of sales to end users and sales for resale.

Seller Type: Categories of major refiners and other refiners and gas plant operators.

Unit Price: Total revenue derived from the sale of product during the reference month divided by the

total volume sold; also known as the weighted average price. Total revenue excludes all taxes but includes transportation costs that were paid as part of the purchase price.

United States: For the crude oil statistics, the United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American Territories and Possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.

Wellhead: The point at which the crude (and/or natural gas) exits the ground. Following historical precedent, the volume and price for crude oil production are labeled as "wellhead," even though the cost and volume are now generally measured at the lease boundary. In the context of domestic crude price data, the term "wellhead" is the generic term used to reference the production site or lease property.

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