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February 1994

Petroleum Marketing Monthly

Energy Information Administration

Leaded Gasoline Data No Longer Collected
Early Release of Petroleum Supply Data
(See Highlights, page 5)

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Petroleum Marketing Monthly

February 1994

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

MASTER

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

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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)
- *Petroleum Supply Monthly*
Updated on the 20th of the month.
- *Petroleum Marketing Monthly*
Updated on the 20th of the month.
- *Natural Gas Monthly*
Updated on the 20th of the month.
- *Weekly Coal Production*
Updated on Fridays at 5:00 p.m.
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- *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

Crude oil prices on international markets fell throughout November 1993, continuing the long-term decline seen over most of the year. The persistence of surplus worldwide petroleum inventories and the failure of the Organization of Petroleum Exporting Countries (OPEC) to reduce production combined to push crude oil prices to 5-year lows. OPEC's decision at its late-November meeting to roll over its September agreement sent markets tumbling further as the month ended, with no upward influences in sight.

In the United States, prices for domestic crude oil declined steadily during the month, interrupted only by one-day upticks based on OPEC rumors. The daily spot price of West Texas Intermediate crude oil at Cushing, Oklahoma, fell to \$15.30 per barrel on November 29, the lowest level since November 1988, be-

fore closing the month at \$15.36, \$1.61 per barrel below the end of October. The composite refiner acquisition cost of crude oil in the United States decreased \$1.30 (8.2 percent) in November, to \$14.51 per barrel.

U.S. petroleum product prices fell even faster than crude oil in November. Product supply difficulties seen in October, particularly for low-sulfur diesel fuel, had largely subsided by November 1. The New York Harbor daily spot price for unleaded regular gasoline fell 7.3 cents per gallon during the month, ending at 39.6 cents per gallon. The spot price for No. 2 heating oil at New York Harbor, despite the seasonal upturn in heating demand, decreased 4.8 cents in November to close at 46.1 cents per gallon. Increases in both gasoline and heating oil volumes caused total refiner sales of the major petroleum products to rise by 10.5 million gallons per day (1.9 percent) from October.

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					
	November 1993		October 1993		November 1992		November 1993		October 1993		November 1992	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor Gasoline	72.7	56.1	75.4	55.4	81.5	56.9	56.9	268.2	61.7	263.9	68.1	260.9
Leaded Regular	-	-	-	-	84.2	.6	-	-	-	-	71.7	3.3
Unleaded Regular	68.0	36.4	70.6	36.2	76.9	37.2	53.5	184.2	58.6	182.9	64.4	179.9
Unleaded Midgrade	76.6	9.1	79.6	9.0	85.3	8.9	60.6	28.9	64.5	28.3	72.2	27.0
Premium	85.7	10.6	88.8	10.2	94.5	10.2	66.4	55.1	71.2	52.7	78.9	50.6
Aviation Gasoline	95.6	.2	98.0	.2	103.4	.2	92.7	.5	94.8	.6	99.7	.5
Kerosene-Type Jet Fuel	59.7	43.3	61.4	42.2	62.7	40.1	58.8	9.6	60.7	7.6	61.5	8.7
Propane (Consumer Grade)	57.2	5.9	55.1	4.7	61.1	5.4	33.6	32.0	34.7	28.4	36.2	33.4
Kerosene	79.5	.2	75.5	.2	83.3	.2	62.4	3.2	65.6	2.2	64.5	2.9
No. 1 Distillate	74.6	.4	76.4	.3	72.0	.6	71.0	3.7	75.7	1.7	68.7	4.0
No. 2 Distillate	62.4	23.7	66.6	24.0	64.5	23.3	57.5	99.6	63.8	101.3	59.6	99.6
No. 2 Fuel Oil	61.5	2.9	63.4	2.5	64.3	2.8	54.0	32.9	58.9	31.8	58.8	50.8
No. 2 Diesel Fuel	62.5	20.9	67.0	21.5	64.5	20.6	59.2	66.8	66.0	69.6	60.4	48.9
No. 4 Fuel^a	49.1	.7	49.6	.6	56.3	.5	45.2	.4	45.2	.4	52.2	.5
Residual Fuel Oil	29.9	12.9	32.0	13.6	39.4	20.7	26.7	11.2	28.7	14.0	35.9	14.3
Sulfur Content not > 1 %	38.7	3.2	38.7	3.8	42.8	7.1	31.0	4.8	32.4	6.2	39.2	5.7
Sulfur Content > 1 %	27.0	9.7	29.4	9.9	37.6	13.6	23.6	6.4	25.7	7.8	33.8	8.6

^a 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."

November 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 November fell \$1.33 (9.4 percent) to \$12.88 per barrel. The average landed cost of foreign crude oil dropped \$1.26 (8.3 percent) to \$13.88 per barrel. Domestic crude oil first purchase prices fell \$1.25 (9.0 percent) to \$12.62 per barrel.

The average refiner acquisition cost of domestic crude oil in November was \$14.99 per barrel, a \$1.05 decrease (6.5 percent) from October. The average cost of imported crude oil to U.S. refiners fell \$1.54 (9.9 percent) to \$14.05 per barrel.

Motor Gasoline

Total refiner sales of finished motor gasoline in November rose 4.9 million gallons per day (1.5 percent) from October levels, to 324.2 million gallons per day. Wholesale sales increased 4.3 million gallons per day (1.6 percent) and retail sales increased 700,000 gallons per day (1.3 percent).

Average refiner prices for motor gasoline fell 2.7 cents to 72.7 cents per gallon at the retail level, and 4.8 cents to 56.9 cents per gallon at the wholesale level. Including data reported by the sample of motor gasoline marketers, national average retail prices decreased by 2.5 cents to 72.6 cents per gallon at company-operated retail outlets, and fell by 3.7 cents to 66.3 cents per gallon

for sales to other end users. Average wholesale prices also fell, dropping 4.7 cents to 57.2 cents per gallon.

No. 2 Distillate

Total refiner sales of No. 2 distillate decreased by 2.0 million gallons per day (1.6 percent) to 123.3 million gallons per day. No. 2 fuel oil sales increased 1.5 million gallons per day (4.4 percent) while No. 2 diesel fuel sales fell by 3.5 million gallons per day (3.8 percent).

Average retail prices decreased in all categories during November. The national average residential price dropped 0.1 cent to 88.6 per gallon. The average wholesale price fell 5.7 cents to 57.8 cents per gallon.

Residual Fuel Oil

Total refiner sales of residual fuel oil decreased 3.5 million gallons per day (12.7 percent) to 24.1 million gallons per day. Low-sulfur residual fuel sales decreased 2.0 million gallons per day (20.0 percent), while high-sulfur sales decreased 1.5 million gallons per day (8.5 percent).

Residual fuel oil prices fell in almost all categories in November. Refiner retail prices remained unchanged from the October level for low sulfur residual, but fell 2.4 cents per gallon for high-sulfur. Residual fuel wholesale prices for sales by refiners dropped 1.4 cents for low-sulfur and 2.1 cents per gallon for high-sulfur. Including data reported by the sample of residual fuel oil marketers, average retail prices fell 2.0 cents per gallon for low-sulfur and by 2.5 cents per gallon for high-sulfur. The average wholesale price for low-sulfur residual fell 1.6 cents per gallon and 2.1 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

Early Release of Petroleum Supply Data

Beginning on February 9, 1994, the *Weekly Petroleum Status Report* (WPSR) data will be available on the Energy Information Administration's (EIA) Electronic Publication Bulletin Board (EPUB) at 9:00 a.m. (EST) each Wednesday. Contact Lynn A. Greenfield on (202) 586-2992 for further information and schedules.

In addition, the EIA plans to implement a new schedule which will provide our customers with an early estimate of monthly data between 6 and 12 days after the close of the month. Data will be released through EPUB under a new option entitled "Petroleum Supply Monthly." A hardcopy release of the early estimates will also be available in the *WPSR* and the *Petroleum Supply Monthly* (PSM) as Table H1. Following is the first month's schedule for the early release of data to our customers.

- February 9, 1994: The December 1993 and January 1994 monthly estimates, based upon weekly data filed with EIA, will be available in EPUB at 5:00 p.m.. This Data will appear in the *WPSR* as Table H1, printed on February 10.
- February 25, 1994: The Table H1 EPUB release of February 9 will be updated to include actual monthly data for December 1993. Table H1 in the *PSM* will be modified to reflect these new early monthly estimates.

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	10.61	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	28.87	29.30	28.99
1984 Average	25.88	27.60	28.54	28.53	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	16.69	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	18.03
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	18.86	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	17.26
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	13.87	14.21	15.14	16.04	15.59	15.81
November	12.62	12.88	13.88	14.99	14.05	14.51

^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

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*	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	82.6	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	82.4	101.1	52.9	74.5	79.0	62.0	56.0	47.8	49.1	48.9	34.3
1987 Average	86.9	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	51.3	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	82.3	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	58.8	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	55.1	75.5	76.4	63.4	67.0	66.6	49.6	32.0
November	72.7	95.6	59.7	57.2	79.5	74.6	61.5	62.5	62.4	49.1	29.9

* 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		
1993 Average	51.1	0.4	30.8	3.1	0.2	0.5	3.7	23.3	27.0	0.7	28.3
1994 Average	57.6	.3	32.9	3.3	.3	.5	4.9	26.3	31.2	.7	32.9
1995 Average	57.5	.3	34.6	3.7	.3	.5	5.0	25.0	29.9	.5	25.2
1996 Average	61.4	.3	34.6	3.6	.3	.4	4.3	24.5	28.8	.6	31.7
1997 Average	61.0	.2	36.8	3.8	.3	.4	4.5	24.1	28.5	.8	29.0
1998 Average	61.0	.2	38.2	4.3	.3	.4	4.6	24.5	29.1	1.1	30.2
1999 Average	61.2	.2	40.1	2.8	.3	.5	4.5	24.3	28.8	.9	30.4
2000 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	62.6	.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	39.6	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	4.7	.2	.3	2.5	21.5	24.0	.6	13.6
November	56.1	.2	43.3	5.9	.2	.4	2.9	20.9	23.7	.7	12.9

* 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	76.1	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	58.9	66.0	63.8	45.2	28.7
November	56.9	92.7	58.8	33.6	62.4	71.0	54.0	59.2	57.5	45.2	26.7

* 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		
1993 Average	242.5	0.7	5.4	26.0	2.5	2.4	47.3	38.1	85.5	0.9	20.2
1994 Average	246.3	.8	6.6	26.7	2.2	2.6	51.4	42.8	94.2	1.7	21.3
1995 Average	256.9	.7	7.6	29.2	2.4	2.7	53.9	43.3	97.3	1.2	19.9
1996 Average	257.2	.7	10.1	29.3	2.4	2.4	54.5	46.6	101.1	1.2	18.7
1997 Average	257.2	.8	10.1	27.0	2.3	2.0	49.3	44.3	93.6	1.5	16.9
1998 Average	263.7	.7	10.0	27.7	2.7	2.6	50.1	47.8	97.9	1.2	18.9
1999 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	45.9	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	257.8	.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	263.9	.6	7.6	28.4	2.2	1.7	31.8	69.6	101.3	.4	14.0
November	268.2	.5	9.6	32.0	3.2	3.7	32.9	66.8	99.6	.4	11.2

* 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		
	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992
Motor Gasoline	73.1	76.0	82.1	71.7	73.7	79.6	72.7	75.4	81.5
Leaded Regular	-	-	81.1	-	-	90.5	-	-	84.2
Unleaded Regular	67.5	70.5	77.0	68.9	70.8	76.7	68.0	70.6	76.9
Unleaded Midgrade	77.0	80.2	85.9	75.3	77.7	82.6	76.6	79.6	85.3
Premium	86.8	89.8	95.3	81.8	85.1	91.6	85.7	88.8	94.5
Aviation Gasoline	96.9	99.0	104.9	W	W	92.1	95.6	98.0	103.4
Kerosene-Type Jet Fuel	59.7	61.4	62.6	60.3	61.5	63.2	59.7	61.4	62.7
Propane (Consumer Grade)	39.3	37.7	44.7	66.3	68.0	67.2	57.2	55.1	61.1
Kerosene	81.3	78.5	86.7	71.0	65.0	68.8	79.5	75.5	83.3
No. 1 Distillate	74.1	77.6	69.5	75.2	75.2	75.9	74.6	76.4	72.0
No. 2 Distillate	62.2	66.8	64.2	63.5	65.7	65.7	62.4	66.6	64.5
No. 2 Fuel Oil	61.6	63.6	64.1	61.2	62.7	64.9	61.5	63.4	64.3
No. 2 Diesel Fuel	62.2	67.2	64.2	63.9	66.0	65.8	62.5	67.0	64.5
No. 4 Fuel^a	48.4	48.7	56.9	50.1	51.0	55.3	49.1	49.6	56.3
Residual Fuel Oil	30.2	31.7	39.1	29.6	32.4	39.7	29.9	32.0	39.4
Sulfur Content not > 1 %	38.4	39.0	43.9	39.1	38.2	41.9	38.7	38.7	42.8
Sulfur Content > 1 %	27.2	29.1	37.3	26.8	30.0	38.2	27.0	29.4	37.6

^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		
	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992
Motor Gasoline	58.8	63.2	70.4	50.5	56.6	60.2	56.9	61.7	68.1
Leaded Regular	-	-	73.7	-	-	67.7	-	-	71.7
Unleaded Regular	55.0	59.7	66.4	49.6	55.8	59.1	53.5	58.6	64.4
Unleaded Midgrade	61.4	65.1	73.2	52.4	58.2	62.5	60.6	64.5	72.2
Premium	68.4	72.6	80.5	55.0	61.7	66.9	66.4	71.2	78.9
Aviation Gasoline	95.2	96.8	100.8	79.0	82.8	90.3	92.7	94.8	99.7
Kerosene-Type Jet Fuel	60.0	61.5	62.8	57.0	59.2	59.0	58.8	60.7	61.5
Propane (Consumer Grade)	33.4	34.8	37.2	34.0	34.6	35.3	33.6	34.7	36.2
Kerosene	63.3	67.0	66.4	60.3	62.7	61.4	62.4	65.6	64.5
No. 1 Distillate	71.5	77.0	69.2	70.5	74.9	68.3	71.0	75.7	68.7
No. 2 Distillate	57.4	63.7	59.7	57.7	63.9	59.4	57.5	63.8	59.6
No. 2 Fuel Oil	53.7	58.1	58.8	54.3	59.7	58.7	54.0	58.9	58.8
No. 2 Diesel Fuel	59.0	65.7	60.7	59.6	66.5	59.9	59.2	66.0	60.4
No. 4 Fuel*	W	W	W	43.9	44.3	52.3	45.2	45.2	52.2
Residual Fuel Oil	25.1	27.4	35.4	28.7	30.3	36.7	26.7	28.7	35.9
Sulfur Content not > 1 %	31.9	W	39.3	30.2	W	39.2	31.0	32.4	39.2
Sulfur Content > 1 %	21.4	W	34.0	27.0	W	33.4	23.6	25.7	33.8

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

Product	Major Refiners			Other Refiners			Total		
	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992
Motor Gasoline	40,433	40,482	41,688	15,618	14,918	15,189	56,051	55,400	56,878
Leaded Regular	-	-	411	-	-	199	-	-	611
Unleaded Regular	25,164	25,304	26,011	11,217	10,887	11,193	36,381	36,192	37,204
Unleaded Midgrade	7,154	7,159	7,222	1,961	1,860	1,686	9,115	9,020	8,908
Premium	8,115	8,018	8,044	2,440	2,170	2,111	10,555	10,188	10,155
Aviation Gasoline	W	W	158	W	W	20	201	218	178
Kerosene-Type Jet Fuel	38,174	36,834	34,473	5,165	5,354	5,594	43,339	42,188	40,067
Propane (Consumer Grade)	1,988	2,004	1,472	3,900	2,689	3,938	5,889	4,693	5,410
Kerosene	191	149	158	39	42	37	229	191	194
No. 1 Distillate	238	143	358	189	143	236	426	286	594
No. 2 Distillate	19,065	19,176	18,490	4,667	4,794	4,853	23,732	23,970	23,343
No. 2 Fuel Oil	2,243	1,955	2,139	632	503	621	2,874	2,459	2,759
No. 2 Diesel Fuel	16,823	17,220	16,351	4,035	4,291	4,233	20,858	21,511	20,584
No. 4 Fuel*	365	332	321	289	231	205	654	563	526
Residual Fuel Oil	8,028	8,120	12,257	4,887	5,493	8,406	12,915	13,613	20,683
Sulfur Content not > 1 %	2,137	2,145	3,491	1,105	1,607	3,586	3,242	3,752	7,078
Sulfur Content > 1 %	5,891	5,975	8,766	3,781	3,886	4,820	9,672	9,861	13,586

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

Product	Major Refiners			Other Refiners			Total		
	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992	Nov. 1993	Oct. 1993	Nov. 1992
Motor Gasoline	207,977	204,155	202,583	60,196	59,764	58,355	268,172	263,919	260,937
Leaded Regular	-	-	2,206	-	-	1,133	-	-	3,339
Unleaded Regular	134,898	132,962	131,472	49,469	49,944	48,444	184,167	182,906	179,916
Unleaded Midgrade	26,340	25,605	24,460	2,579	2,726	2,577	28,919	28,331	27,038
Premium	46,939	45,588	44,444	8,147	7,094	6,200	55,086	52,682	50,645
Aviation Gasoline	437	537	424	79	88	47	517	625	471
Kerosene-Type Jet Fuel	5,663	4,898	5,693	3,905	2,700	3,019	9,569	7,597	8,712
Propane (Consumer Grade)	18,005	15,141	16,434	13,984	13,294	16,918	31,989	28,435	33,352
Kerosene	2,272	1,450	1,792	972	720	1,071	3,244	2,170	2,864
No. 1 Distillate	1,649	665	1,849	2,043	1,021	2,186	3,692	1,687	4,035
No. 2 Distillate	58,279	59,291	62,272	41,334	42,046	37,377	99,613	101,337	99,649
No. 2 Fuel Oil	17,932	15,723	33,201	14,926	16,033	17,560	32,857	31,756	50,761
No. 2 Diesel Fuel	40,347	43,568	29,071	26,408	26,014	19,817	66,756	69,582	48,888
No. 4 Fuel*	W	W	W	W	W	W	396	417	503
Residual Fuel Oil	6,089	7,634	7,970	5,121	6,354	6,364	11,220	13,988	14,333
Sulfur Content not > 1 %	2,155	W	2,079	2,833	W	3,629	4,788	6,203	5,707
Sulfur Content > 1 %	3,944	W	5,891	2,488	W	2,735	6,432	7,786	8,626

* 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. 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 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									
November 1993	61.1	7,452	100.0	54.8	2,274	100.0	59.7	9,727	100.0
October 1993	65.4	7,584	100.0	60.0	2,315	100.0	64.1	9,899	100.0
November 1992	72.4	7,328	100.0	64.2	2,206	100.0	70.5	9,534	100.0
Sales to End Users									
November 1993	73.1	1,213	16.3	71.7	469	20.6	72.7	1,682	17.3
October 1993	76.0	1,255	16.5	73.7	462	20.0	75.4	1,717	17.3
November 1992	82.1	1,251	17.1	79.6	456	20.7	81.5	1,706	17.9
Through Company Outlets									
November 1993	73.8	1,156	15.5	72.3	452	19.9	73.4	1,608	16.5
October 1993	76.7	1,198	15.8	74.2	444	19.2	76.0	1,642	16.6
November 1992	82.7	1,201	16.4	80.0	437	19.8	82.0	1,638	17.2
Other End Users									
November 1993	58.8	57	.8	56.9	17	.7	58.4	74	.8
October 1993	61.6	57	.8	61.3	18	.8	61.5	75	.8
November 1992	69.4	49	.7	69.6	19	.8	69.5	68	.7
Sales for Resale									
November 1993	58.8	6,239	83.7	50.5	1,806	79.4	56.9	8,045	82.7
October 1993	63.2	6,329	83.5	56.6	1,853	80.0	61.7	8,182	82.7
November 1992	70.4	6,077	82.9	60.2	1,751	79.3	68.1	7,828	82.1

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."

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 November 1993 data.

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	
1993 Average	91.2	88.1	88.0	98.0	91.5	89.5	NA	NA	NA	108.0	96.1	96.4
1994 Average	85.1	82.8	79.5	92.2	86.5	84.2	NA	NA	NA	102.1	93.7	91.6
1995 Average	84.6	82.0	79.3	92.5	86.1	84.3	NA	NA	NA	103.0	92.8	92.2
1996 Average	87.8	84.4	80.1	92.4	84.9	82.2	NA	NA	NA	74.8	63.0	61.0
1997 Average	82.3	57.4	56.5	85.9	56.4	56.9	NA	NA	NA	79.0	65.4	67.1
1998 Average	82.4	55.5	54.8	84.9	55.0	54.8	NA	NA	NA	79.4	64.9	67.2
1999 Average	71.6	64.4	63.1	72.0	62.9	61.8	79.6	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	70.1
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	78.0	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	61.8	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	56.2	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	78.2	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	66.2	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	66.1	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	66.7	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	58.6	80.3	62.8	64.5	89.7	68.7	71.2
November	-	-	-	68.5	57.2	53.5	77.2	57.9	60.6	86.5	64.3	66.4

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	
1993 Average	17.3	4.1	115.4	20.0	3.6	98.3	NA	NA	NA	5.0	1.2	28.7
1994 Average	17.5	3.1	105.8	24.3	3.5	106.8	NA	NA	NA	8.5	.7	33.7
1995 Average	15.0	2.7	99.2	26.2	3.6	119.7	NA	NA	NA	9.2	.7	38.0
1996 Average	14.4	2.3	84.9	30.9	3.9	128.1	NA	NA	NA	9.0	.9	45.0
1997 Average	11.8	1.4	62.3	32.7	3.4	141.9	NA	NA	NA	11.2	.5	53.0
1998 Average	8.7	.7	47.7	34.2	3.1	153.6	NA	NA	NA	13.8	.6	62.4
1999 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	38.9	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	52.6
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	182.9	8.7	.3	28.3	9.8	.4	52.7
November	-	-	-	34.6	1.8	184.2	8.8	.3	28.9	10.2	.4	55.1

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. 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	48.8	42.1	48.9	48.1	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	88.2
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	84.1	87.6	84.4	81.2	82.7	48.7	83.2	85.8	83.1
1987 Average	68.7	59.2	60.1	65.3	55.2	55.0	67.8	57.5	58.9
1988 Average	68.2	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	63.6
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
November	73.8	58.8	58.8	72.3	56.9	50.5	73.4	58.4	58.9

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	198.2	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	206.0	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	58.8	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	56.6	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	.6	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	278.3
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	204.2	14.3	.6	59.8	53.0	2.4	263.9
November	38.5	1.9	208.0	15.1	.6	60.2	53.6	2.5	268.2

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 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
2000 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	78.3	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	73.6	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	68.9	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	88.7	67.7	72.9	78.0	77.9	75.2	63.5
November	88.6	63.7	68.1	75.0	72.6	72.9	57.8

^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.

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	106.7
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	96.6	93.8	91.8	95.8	85.1	87.0
1990 Average	109.8	98.9	106.4	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	108.0	95.4	102.6	90.5	101.8	104.4	98.4	112.3	107.7	104.3	112.8	101.8	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	80.8	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	91.6	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	86.3	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	88.6	82.8	86.1	77.2	86.0	86.8	88.6	102.3	94.2	88.7	96.1	83.2	85.0
November	88.7	80.6	85.8	77.3	87.6	85.9	88.6	100.6	95.9	90.3	95.8	85.3	84.2

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	75.8	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	98.1	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	108.8	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	93.6	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	87.6	90.3	90.1
October	86.3	90.8	85.8	90.0	87.1	86.4	84.1	89.6	96.8	91.7	94.5	93.7
November	83.0	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	88.8	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	87.0	83.1	89.7	87.1	85.6	82.0	94.8	96.7	100.2	105.5	88.7
November	84.6	82.5	80.7	87.0	85.7	84.6	82.4	98.2	94.0	97.3	104.4	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	32.4	29.4	25.7	32.0	28.7
November	38.7	31.0	27.0	23.6	29.9	26.7

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-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
1987 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	15.8
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	6.2	9.9	7.8	13.6	14.0
November	3.2	4.8	9.7	6.4	12.9	11.2

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	15.96	15.57	15.75	16.22	15.63	15.97	16.04	15.59	15.81
November	14.87	14.10	14.46	15.26	13.87	14.64	14.99	14.05	14.51

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	35.60	35.90	35.74	35.32
1982 Average	28.52	30.43	31.77	30.91	30.77	29.98	31.65	31.69	31.66	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	26.16	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	18.76	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	13.87	14.85	17.41	17.26	17.58	16.88	15.79	16.70	16.47	15.31	16.12	16.31	14.32
November	12.62	13.56	15.89	15.52	16.02	15.27	14.37	15.03	15.04	13.97	14.61	14.88	12.82

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	New Mexico	Texas	Federal Offshore Gulf
1978 Average	9.75	13.80	11.30	12.16	9.27	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	33.89	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	28.76	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	16.78	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	17.65	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	16.84
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	17.2
1992 Average	18.02	18.96	18.74	18.19	18.37	18.22	17.33	19.00	16.70	18.55	18.32	18.6
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	15.96	14.50	15.86	14.49	15.97	15.72	15.56
November	13.43	15.91	14.63	13.46	14.36	14.47	13.19	14.42	13.09	14.64	14.28	14.56

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	9.18	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	8.08
1980 Average	21.29	22.91	20.53	19.79	21.34	19.09	16.87	10.25	23.87	16.28
1981 Average	23.38	25.89	24.89	24.14	22.30	24.79	23.23	30.15	26.80	24.58
1982 Average	20.14	21.58	21.25	20.50	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	14.08	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	15.68	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	17.64	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	11.18	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	9.62
1992 Average	17.27	19.04	17.08	19.39	16.38	12.32	11.73	15.56	13.55	10.76
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	16.48	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	15.80	13.51	10.21
July	14.56	15.82	13.88	16.74	13.89	11.06	10.81	13.20	11.69	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	14.93	16.15	14.23	16.87	14.32	11.09	10.76	13.66	11.90	9.12
November	13.49	14.85	12.82	15.71	12.84	10.05	9.71	12.37	10.89	8.13

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	31.67	32.21
1981 Average	39.06	35.62	-	33.01	38.31	32.60	36.06	26.95	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	26.69	27.12	W	25.33	26.04	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	15.06	17.11	15.80	16.43
1988 Average	W	13.61	-	12.16	15.16	12.16	14.80	12.96	13.46	12.57	13.43
1989 Average	W	17.01	-	15.96	18.31	16.29	17.69	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	16.50	W	16.91	22.55	14.61	W	16.44	19.42	15.76	18.12
November	W	W	-	16.30	21.63	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	16.35	16.13	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	17.99
September ..	-	W	-	16.88	20.84	16.89	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	14.62	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	15.17	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	18.38	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	-	13.76	17.02	12.88	16.31	11.87	14.88	14.03	13.94
November	W	W	-	12.20	15.84	10.58	15.74	10.30	13.82	11.87	12.60

^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	3.37	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	20.84	21.23
1991												
January	W	20.81	..	-	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	2	1	15.66	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	14.62	17.04	13.46	15.56	14.56	14.96
October	W	15.14	W	-	14.11	17.96	14.82	16.80	12.70	15.74	14.83	14.92
November	W	14.28	W	-	12.56	16.73	13.11	17.13	11.14	14.80	13.21	13.49

^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	13.08	13.62	14.00	14.01
1979 Average	14.43	18.54	19.91	19.84	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	15.82	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	19.89	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	13.26	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	18.50	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	19.26	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	12.48	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	11.17	11.91	14.13	15.28	16.46	16.71	16.61
November	9.73	10.33	13.35	13.84	15.51	15.96	W

^a FOB = Free on Board. See Glossary.

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 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	25.06	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	18.54	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	17.78	20.92	21.07	22.26
March	13.31	12.69	16.94	17.89	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	20.66	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	19.26	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	15.18	16.98	17.41	17.38
October	12.07	12.67	14.88	15.57	17.15	17.64	17.62
November	10.65	11.09	13.80	14.34	16.39	16.88	14.92

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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 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	26.60	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	20.52	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	1.66
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	4.88	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	17.82	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	4.68	19.59	18.68	31.58	21.54	1.90	2.03
October	4.90	19.11	16.79	35.30	18.11	3.65	2.15
November	4.53	19.49	20.35	33.44	18.21	2.85	1.13

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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 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	15.54	W	-	W	15.54	11.93
November	W	13.85	11.82	-	W	13.97	10.28

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	21.69	25.68	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	12.38	W	-
November	W	16.26	-	W	W	W	W

^a FOB = Free on Board. See Glossary.

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."

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	17.60	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	23.71	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	18.66	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	16.45	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	16.43	13.77	-	15.54	16.06	12.30
November	W	15.10	12.91	-	14.32	14.49	10.88

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	21.46	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	-	15.53	13.76	17.11	W
3rd Quarter Average	W	17.95	-	15.99	13.75	17.46	11.42
October	W	17.71	-	15.60	13.86	17.14	-
November	W	17.24	-	14.48	12.15	17.24	W

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										
November 1993	-	-	68.1	54.1	75.5	60.9	84.2	66.3	72.0	57.2
October 1993	-	-	70.8	58.9	78.2	64.9	87.0	71.1	74.6	61.9
November 1992	83.8	72.4	76.6	64.6	84.0	72.2	92.7	78.6	80.4	68.0
PAD District I Average										
November 1993	-	-	65.8	53.6	75.7	61.0	85.0	67.6	71.5	58.1
October 1993	-	-	67.8	57.2	77.9	64.2	87.1	71.2	73.5	61.7
November 1992	79.4	69.1	75.1	65.9	84.9	72.9	94.0	79.8	80.6	70.4
Subdistrict IA Average										
November 1993	-	-	69.1	54.7	78.2	62.2	86.5	67.2	74.3	58.4
October 1993	-	-	70.9	57.5	79.7	64.4	88.5	70.4	76.1	61.4
November 1992	90.6	W	81.0	68.4	89.7	75.6	98.4	80.9	85.9	72.3
Connecticut										
November 1993	-	-	70.4	56.7	79.6	63.3	91.3	70.9	76.7	61.0
October 1993	-	-	71.4	58.9	80.2	66.4	91.9	71.8	77.7	63.4
November 1992	-	-	82.3	70.5	91.8	78.9	102.0	82.3	88.3	75.0
Maine										
November 1993	-	-	73.9	53.2	81.0	57.7	87.2	64.5	77.1	55.7
October 1993	-	-	75.6	55.3	83.2	59.0	91.1	64.8	79.2	57.7
November 1992	-	-	83.8	65.7	92.6	71.0	99.1	75.2	87.3	68.0
Massachusetts										
November 1993	-	-	65.9	53.3	76.3	62.3	84.1	65.2	71.8	57.2
October 1993	-	-	68.0	57.3	78.1	64.4	86.3	70.8	73.8	61.3
November 1992	W	-	78.8	67.6	87.6	74.9	96.6	80.8	84.1	71.8
New Hampshire										
November 1993	-	-	70.9	59.5	82.0	65.6	90.4	73.3	76.0	63.1
October 1993	-	-	72.3	60.4	83.3	66.4	92.1	74.3	77.4	64.0
November 1992	-	-	81.1	70.5	91.0	75.5	99.2	83.4	85.6	73.7
Rhode Island										
November 1993	-	-	66.7	52.3	74.1	58.9	80.8	64.9	71.8	55.8
October 1993	-	-	68.8	53.6	75.7	61.1	82.5	67.1	73.6	57.3
November 1992	-	-	79.1	65.9	86.7	71.7	94.3	78.5	84.2	69.7
Vermont										
November 1993	-	-	75.4	62.5	83.0	68.9	91.1	74.3	79.4	65.8
October 1993	-	-	77.5	64.6	84.9	70.3	92.7	77.2	81.5	68.1
November 1992	W	W	83.8	73.7	91.2	79.1	98.3	86.5	87.5	77.0
Subdistrict IB Average										
November 1993	-	-	67.2	55.6	75.9	64.6	85.7	70.6	72.5	60.7
October 1993	-	-	68.8	58.7	78.0	66.3	87.5	73.2	74.1	63.7
November 1992	80.1	W	77.8	66.5	87.6	78.0	96.7	83.4	83.2	73.8
Delaware										
November 1993	-	-	61.0	53.8	69.5	59.5	78.5	67.3	66.0	57.4
October 1993	-	-	64.0	56.6	73.5	61.4	82.7	69.2	69.4	59.9
November 1992	-	-	75.7	67.1	83.9	71.8	94.4	78.3	80.8	70.4
District of Columbia										
November 1993	-	-	60.0	65.2	65.3	71.7	71.1	79.4	64.5	73.3
October 1993	-	-	60.6	64.2	67.3	70.8	73.0	78.4	64.9	72.5
November 1992	-	-	69.2	76.1	76.3	82.7	81.5	91.5	73.3	84.2
Maryland										
November 1993	-	-	64.6	58.9	73.3	65.8	80.0	72.2	69.4	63.8
October 1993	-	-	64.9	59.5	74.6	65.2	80.8	71.9	70.1	64.1
November 1992	-	-	76.3	72.3	87.3	77.8	93.8	83.5	81.7	76.5
New Jersey										
November 1993	-	-	70.9	56.6	85.0	67.3	92.3	69.9	79.0	62.2
October 1993	-	-	71.5	60.0	86.0	69.4	93.1	72.9	79.8	65.6
November 1992	W	W	84.3	68.4	95.6	83.7	102.8	84.8	91.4	74.5
New York										
November 1993	-	-	69.2	56.4	77.1	67.2	87.8	74.9	73.8	62.3
October 1993	-	-	70.7	60.3	79.3	70.1	89.7	78.0	75.4	66.2
November 1992	84.6	-	77.3	69.4	87.4	79.5	96.4	86.1	82.2	75.5
Pennsylvania										
November 1993	-	-	64.9	53.2	73.7	60.6	82.0	65.3	69.9	56.7
October 1993	-	-	67.1	56.2	76.1	62.7	84.2	68.3	72.0	59.7
November 1992	77.7	-	76.6	66.4	85.4	73.6	93.9	78.4	81.4	70.1

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										
November 1993	-	-	64.4	51.4	75.1	58.4	84.3	64.9	70.5	55.7
October 1993	-	-	68.6	55.9	77.6	62.8	86.6	69.4	72.7	60.1
November 1992	77.1	W	72.8	62.8	83.0	68.9	92.0	75.6	78.5	66.7
Florida										
November 1993	-	-	65.6	52.6	76.5	60.7	86.3	69.3	72.1	58.7
October 1993	-	-	68.2	57.4	80.1	65.5	88.9	73.9	74.8	63.3
November 1992	W	-	74.5	63.4	85.5	70.0	93.6	79.1	80.8	68.7
Georgia										
November 1993	-	-	63.5	49.5	73.6	55.6	82.4	61.3	69.5	53.0
October 1993	-	-	66.1	54.7	76.1	60.9	85.9	66.8	72.2	58.3
November 1992	W	-	70.3	61.9	80.8	67.6	91.1	74.1	76.7	65.5
North Carolina										
November 1993	-	-	61.7	50.7	71.9	56.8	81.3	61.4	67.2	53.9
October 1993	-	-	63.2	55.3	73.3	60.9	82.4	66.0	68.6	58.4
November 1992	W	-	71.7	62.1	80.7	67.9	89.8	72.7	76.6	65.2
South Carolina										
November 1993	-	-	60.9	49.6	73.2	54.7	82.2	60.7	67.0	52.5
October 1993	-	-	64.0	54.4	76.2	60.0	85.2	65.6	70.0	57.3
November 1992	-	-	69.6	61.8	79.0	65.8	89.9	71.3	74.4	64.1
Virginia										
November 1993	-	-	66.3	53.6	77.0	60.9	85.6	66.3	72.4	58.0
October 1993	-	-	67.6	56.6	77.9	63.7	86.5	69.5	73.6	60.9
November 1992	W	W	74.3	64.0	84.4	70.7	93.4	75.5	80.1	68.1
West Virginia										
November 1993	-	-	70.7	55.5	80.7	62.6	86.1	66.2	75.1	59.1
October 1993	-	-	72.3	60.1	82.0	66.8	88.3	72.6	76.7	63.5
November 1992	W	-	79.0	67.1	87.8	72.8	93.9	78.4	83.2	70.3
PAD District II Average										
November 1993	-	-	66.3	52.2	73.1	59.1	79.1	62.3	69.0	54.4
October 1993	-	-	69.6	58.6	76.4	64.1	83.0	68.3	72.2	60.5
November 1992	82.3	65.1	74.3	61.8	81.5	69.6	87.7	72.6	77.0	63.8
Illinois										
November 1993	-	-	67.4	51.9	72.9	62.3	79.2	64.4	69.9	55.1
October 1993	-	-	69.0	57.2	75.0	66.3	81.4	69.4	71.6	60.2
November 1992	79.6	67.6	74.6	62.0	82.8	73.7	89.6	74.9	77.9	65.0
Indiana										
November 1993	-	-	63.4	51.4	70.4	58.4	76.6	62.2	66.8	54.0
October 1993	-	-	66.8	56.2	73.5	62.9	80.0	66.5	69.9	58.6
November 1992	84.7	63.1	72.6	61.1	79.4	67.9	84.9	72.7	75.6	63.4
Iowa										
November 1993	-	-	66.6	53.5	75.0	63.2	77.4	63.1	67.7	54.4
October 1993	-	-	72.2	62.1	78.4	69.9	82.7	72.1	73.1	63.0
November 1992	80.0	63.3	74.6	61.4	81.2	70.0	84.1	69.4	75.6	62.2
Kansas										
November 1993	-	-	68.5	51.7	74.4	62.2	79.8	60.2	69.9	52.7
October 1993	-	-	72.4	60.9	79.5	70.0	84.6	69.2	74.0	61.9
November 1992	77.1	W	73.9	58.5	80.0	67.5	85.3	67.4	75.5	59.5
Kentucky										
November 1993	-	-	66.1	51.4	74.8	56.1	81.7	62.8	70.7	54.5
October 1993	-	-	68.0	56.1	76.3	61.2	84.9	67.8	72.5	59.2
November 1992	85.0	W	73.2	63.5	80.8	68.8	88.0	74.6	77.0	66.3
Michigan										
November 1993	-	-	64.3	51.7	72.6	57.7	78.1	62.1	67.5	53.9
October 1993	-	-	67.4	57.2	75.6	63.1	81.9	67.8	70.4	59.3
November 1992	85.8	71.0	72.6	63.0	79.5	68.5	87.0	73.6	75.3	65.1
Minnesota										
November 1993	-	-	76.6	57.4	81.9	64.3	88.6	65.8	78.5	58.9
October 1993	-	-	78.7	65.3	84.5	68.9	90.2	73.9	80.6	66.5
November 1992	83.8	65.9	80.8	65.0	86.1	75.5	91.6	73.2	82.6	66.3
Missouri										
November 1993	-	-	63.5	51.9	71.3	59.0	76.9	61.0	66.2	53.9
October 1993	-	-	67.8	59.4	75.0	65.6	81.6	68.2	70.4	61.2
November 1992	77.1	73.3	70.3	60.8	78.6	69.0	84.6	70.1	73.3	62.6

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										
November 1993	-	-	72.8	54.1	77.2	62.5	81.1	62.3	73.9	55.0
October 1993	-	-	75.1	62.7	80.2	70.3	82.7	71.6	76.2	63.5
November 1992	82.4	63.6	76.3	62.4	83.7	72.0	86.4	70.7	78.1	63.3
North Dakota										
November 1993	-	-	79.6	57.7	86.1	70.6	92.0	67.8	80.7	58.6
October 1993	-	-	81.0	65.9	88.6	76.6	94.5	76.9	81.9	66.8
November 1992	88.5	65.6	84.3	65.1	90.2	76.9	93.6	76.3	85.1	65.9
Ohio										
November 1993	-	-	63.1	52.1	70.7	59.1	77.6	63.7	66.7	54.7
October 1993	-	-	67.3	57.2	75.9	63.7	83.5	69.5	71.0	59.8
November 1992	82.7	74.9	76.1	64.5	83.5	72.0	90.2	75.7	79.2	66.8
Oklahoma										
November 1993	-	-	63.0	50.0	70.4	58.5	74.1	57.7	65.4	51.1
October 1993	-	-	68.5	57.7	75.5	64.4	80.7	65.5	70.9	58.7
November 1992	72.3	61.7	69.5	57.8	77.2	64.4	81.1	66.5	71.8	58.8
South Dakota										
November 1993	-	-	79.9	59.2	77.8	71.3	87.1	70.0	80.2	60.0
October 1993	-	-	80.9	66.3	83.4	75.6	89.7	76.5	81.9	67.3
November 1992	87.0	67.7	80.7	63.3	83.8	69.1	94.3	72.9	82.2	64.1
Tennessee										
November 1993	-	-	63.2	49.6	73.2	55.9	81.8	61.4	69.0	53.4
October 1993	-	-	66.0	54.6	76.2	60.8	84.7	66.4	71.8	58.2
November 1992	W	-	70.7	61.0	80.9	66.4	89.1	72.3	76.2	64.2
Wisconsin										
November 1993	-	-	65.8	52.2	74.2	58.0	79.0	61.6	68.2	53.8
October 1993	-	-	69.2	58.4	77.7	63.5	82.4	67.8	71.3	59.9
November 1992	79.4	66.7	75.3	62.1	82.2	68.6	88.0	71.6	77.3	63.6
PAD District III Average										
November 1993	-	-	66.1	50.0	75.3	56.6	83.0	58.6	70.6	52.2
October 1993	-	-	68.9	54.4	77.9	60.6	85.6	64.4	73.3	56.5
November 1992	85.8	69.5	74.3	59.6	82.4	66.7	90.0	70.7	78.5	62.0
Alabama										
November 1993	-	-	65.0	50.1	72.9	56.8	81.6	61.4	70.0	53.6
October 1993	-	-	69.0	55.0	77.6	60.9	86.2	66.7	74.2	58.4
November 1992	W	-	74.2	62.1	83.0	67.9	90.7	73.9	78.8	65.3
Arkansas										
November 1993	-	-	65.4	51.1	74.4	55.9	80.6	60.3	68.9	53.3
October 1993	-	-	68.0	55.7	76.5	59.9	83.1	64.6	71.1	57.8
November 1992	70.9	W	71.5	59.2	79.3	63.7	86.5	68.2	74.7	61.3
Louisiana										
November 1993	-	-	67.2	49.3	78.3	58.0	85.4	61.7	73.1	52.8
October 1993	-	-	68.9	52.6	79.8	61.4	86.9	65.4	74.7	55.9
November 1992	84.1	-	74.4	61.3	84.1	68.2	90.0	73.1	79.4	64.7
Mississippi										
November 1993	-	-	63.4	48.7	74.5	54.1	80.7	52.8	68.7	50.4
October 1993	-	-	66.1	53.3	75.7	58.7	83.1	61.1	70.9	55.6
November 1992	W	W	72.8	58.9	81.1	65.3	88.5	68.3	76.9	61.1
New Mexico										
November 1993	-	-	79.7	63.7	85.7	68.3	93.3	72.9	81.4	64.8
October 1993	-	-	82.0	70.3	88.2	75.4	96.0	79.0	83.5	71.3
November 1992	87.5	71.0	87.1	70.3	90.9	73.9	97.9	79.7	86.2	71.3
Texas										
November 1993	-	-	64.9	49.3	75.1	56.4	82.7	57.8	69.6	51.3
October 1993	-	-	67.9	53.6	77.7	60.4	85.1	63.6	72.4	55.5
November 1992	84.2	66.2	73.7	58.7	82.3	66.6	90.1	69.8	78.1	60.7
PAD District IV Average										
November 1993	-	-	79.0	65.7	86.8	68.5	90.3	73.3	81.6	67.2
October 1993	-	-	78.8	68.2	87.0	71.6	91.6	76.7	81.4	69.7
November 1992	85.6	70.8	83.7	69.4	89.8	74.0	94.7	77.4	85.9	70.9
Colorado										
November 1993	-	-	81.5	62.8	90.5	68.7	98.4	70.0	84.8	64.6
October 1993	-	-	79.6	66.7	89.0	71.8	97.1	75.5	83.2	68.3
November 1992	87.5	70.9	84.1	67.6	91.7	73.8	98.9	76.0	87.0	69.5

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										
November 1993	-	-	75.9	68.2	92.7	66.5	84.1	77.1	77.2	69.4
October 1993	-	-	77.6	70.1	92.6	67.2	84.8	78.9	78.6	71.2
November 1992	83.0	73.5	82.4	73.2	84.0	W	92.5	82.6	83.3	74.2
Montana										
November 1993	-	-	83.3	70.1	83.3	W	93.5	78.5	84.6	71.4
October 1993	-	-	84.0	71.4	W	W	94.3	79.7	85.3	72.8
November 1992	88.6	68.0	87.8	67.9	W	-	96.9	75.0	89.0	68.8
Utah										
November 1993	-	-	71.9	64.9	75.9	68.3	83.0	73.4	75.2	66.9
October 1993	-	-	73.5	66.4	79.7	71.1	85.5	74.8	78.5	68.4
November 1992	82.1	71.2	80.0	71.2	83.0	74.8	89.3	78.9	82.0	72.7
Wyoming										
November 1993	-	-	82.3	67.5	86.2	68.0	91.5	75.2	83.6	68.7
October 1993	-	-	83.9	70.6	87.7	NA	93.1	79.3	85.2	72.0
November 1992	87.8	68.3	88.7	67.8	W	71.4	97.2	75.1	89.5	68.8
PAD District V Average										
November 1993	-	-	77.4	62.0	81.0	68.4	94.2	76.7	80.4	65.5
October 1993	-	-	80.5	66.4	84.1	72.7	97.4	81.3	83.6	69.7
November 1992	83.4	74.6	87.3	74.5	92.5	82.6	103.5	91.0	89.9	78.2
Alaska										
November 1993	-	-	102.8	79.3	W	W	108.6	88.6	103.5	80.3
October 1993	-	-	103.5	79.8	-	-	102.9	89.2	103.4	80.8
November 1992	111.2	100.2	120.6	92.8	-	-	123.8	103.0	119.9	94.0
Arizona										
November 1993	-	-	84.3	69.9	87.2	68.3	101.3	84.6	86.6	72.1
October 1993	-	-	84.9	75.0	89.8	75.0	101.6	88.1	87.4	77.1
November 1992	82.7	74.1	86.7	75.9	92.3	78.7	103.1	87.7	87.9	77.2
California										
November 1993	-	-	72.2	59.5	79.9	68.0	90.1	75.0	76.3	63.7
October 1993	-	-	76.9	64.6	83.3	72.3	94.6	79.8	80.9	68.4
November 1992	W	85.2	86.2	73.5	92.5	82.6	102.9	91.3	90.0	78.2
Hawaii										
November 1993	-	-	98.9	89.0	100.0	95.3	114.4	102.2	102.9	94.2
October 1993	-	-	100.5	90.6	102.2	96.9	115.5	104.0	104.5	95.9
November 1992	-	-	96.1	91.9	101.3	98.8	112.1	105.5	101.0	97.3
Nevada										
November 1993	-	-	81.2	59.4	84.3	67.5	99.4	71.8	84.2	62.4
October 1993	-	-	83.2	65.8	83.9	72.6	102.1	78.8	85.9	68.7
November 1992	89.2	72.0	87.5	69.9	88.5	76.4	105.6	82.6	90.3	72.7
Oregon										
November 1993	-	-	81.4	65.1	82.1	W	98.0	78.3	83.5	67.3
October 1993	-	-	83.9	67.8	83.0	W	99.8	82.7	85.9	69.9
November 1992	85.3	75.4	89.0	76.7	W	W	104.5	90.4	89.8	78.1
Washington										
November 1993	-	-	77.2	65.9	W	70.7	93.7	79.6	79.9	68.6
October 1993	-	-	78.3	67.1	83.9	72.7	95.4	82.0	81.0	69.9
November 1992	80.9	73.8	85.5	75.9	W	W	101.7	89.8	86.8	77.7

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: 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										
November 1993	-	-	68.6	64.4	76.4	67.5	85.3	73.5	72.6	66.3
October 1993	-	-	71.1	68.3	78.9	71.8	88.1	76.9	75.1	70.0
November 1992	84.3	82.3	76.9	73.4	84.8	77.2	93.8	83.2	80.9	75.7
PAD District I Average										
November 1993	-	-	66.5	59.8	77.0	65.0	86.5	71.1	72.5	62.9
October 1993	-	-	68.5	62.3	79.0	68.7	88.5	73.3	74.4	65.6
November 1992	77.5	80.3	75.6	70.4	85.9	76.8	95.3	83.2	81.4	74.2
Subdistrict 1A Average										
November 1993	-	-	70.1	57.1	80.0	63.5	88.6	68.0	75.7	60.9
October 1993	-	-	71.8	59.8	81.5	65.4	90.3	69.3	77.3	63.0
November 1992	W	W	82.1	69.1	91.5	74.0	100.1	79.3	87.3	71.9
Connecticut										
November 1993	-	-	71.3	58.8	82.7	62.9	92.9	70.9	78.1	62.4
October 1993	-	-	72.3	60.1	83.3	64.8	93.4	71.0	79.1	63.6
November 1992	-	-	82.8	71.3	92.8	77.7	103.3	82.0	89.0	75.5
Maine										
November 1993	-	-	74.6	63.5	82.4	71.5	89.3	70.9	78.1	67.2
October 1993	-	-	76.7	62.9	85.0	70.8	92.9	74.9	80.4	66.7
November 1992	-	-	84.7	73.6	94.6	77.2	100.5	85.5	88.4	76.2
Massachusetts										
November 1993	-	-	67.3	52.9	78.1	58.0	86.9	64.9	73.5	57.0
October 1993	-	-	69.2	58.5	79.7	61.9	88.9	65.3	75.3	59.6
November 1992	W	-	80.5	65.1	89.9	71.3	98.9	75.4	86.0	66.3
New Hampshire										
November 1993	-	-	71.3	58.3	82.8	66.8	90.9	73.2	76.5	62.0
October 1993	-	-	72.8	62.3	83.9	68.9	92.4	80.0	77.9	65.1
November 1992	-	-	82.4	71.9	92.7	69.1	100.7	80.7	87.3	72.7
Rhode Island										
November 1993	-	-	67.5	55.4	74.7	65.6	81.3	71.8	72.5	60.7
October 1993	-	-	69.3	59.9	76.3	65.3	82.8	74.5	74.1	64.2
November 1992	-	-	79.9	66.1	87.7	70.1	95.0	77.4	85.0	69.0
Vermont										
November 1993	-	-	77.1	67.2	85.6	72.5	93.1	79.7	81.4	70.1
October 1993	-	-	79.2	68.3	87.5	74.0	95.2	79.4	83.4	71.3
November 1992	-	W	85.5	75.5	93.5	82.1	100.5	85.9	89.4	78.4
Subdistrict 1B Average										
November 1993	-	-	68.1	61.5	77.4	66.8	87.3	73.7	73.6	64.7
October 1993	-	-	69.7	63.2	79.5	69.3	89.1	75.0	75.3	66.4
November 1992	W	79.8	78.7	72.2	89.2	78.5	98.7	84.8	84.4	75.9
Delaware										
November 1993	-	-	61.7	57.8	71.1	62.8	79.3	73.3	67.0	61.2
October 1993	-	-	64.7	60.3	75.0	66.6	83.4	77.1	70.4	63.9
November 1992	-	-	76.9	69.0	85.4	76.3	96.0	84.1	82.2	73.1
District of Columbia										
November 1993	-	-	W	55.3	W	57.0	W	W	W	57.8
October 1993	-	-	W	56.8	W	58.5	W	W	W	58.8
November 1992	-	-	W	66.1	W	68.8	W	75.7	W	68.9
Maryland										
November 1993	-	-	66.2	60.2	75.5	66.9	81.6	74.0	71.4	63.8
October 1993	-	-	66.6	60.8	76.3	69.9	82.5	74.4	72.0	64.6
November 1992	-	-	78.0	71.2	89.3	80.2	96.4	85.3	83.7	75.2
New Jersey										
November 1993	-	-	72.5	59.8	87.4	64.6	91.3	73.2	81.0	64.3
October 1993	-	-	72.9	61.7	88.1	68.4	95.9	74.5	81.6	66.4
November 1992	-	W	86.4	72.8	98.6	79.0	106.5	85.8	94.1	77.8
New York										
November 1993	-	-	70.3	59.8	79.6	63.4	90.0	69.5	75.2	62.2
October 1993	-	-	71.8	62.1	81.8	66.1	91.8	72.1	76.9	64.4
November 1992	W	W	78.0	72.0	89.0	76.3	98.6	82.2	83.3	74.7
Pennsylvania										
November 1993	-	-	64.9	64.6	74.1	70.7	82.4	78.7	70.2	68.0
October 1993	-	-	67.2	66.2	76.7	71.9	84.8	79.0	72.4	69.3
November 1992	-	77.7	77.0	73.2	86.2	79.8	94.7	87.5	82.0	76.9

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										
November 1993	-	-	64.9	58.9	76.3	64.0	85.6	69.8	71.3	61.9
October 1993	-	-	67.1	62.0	78.2	69.2	87.8	72.8	73.3	65.4
November 1992	W	W	73.1	69.1	83.7	76.2	93.0	82.5	79.0	73.3
Florida										
November 1993	-	-	66.2	60.1	78.7	60.8	88.0	69.3	73.2	62.0
October 1993	-	-	68.7	63.0	81.3	67.4	90.1	72.3	75.6	65.5
November 1992	W	-	74.9	69.2	86.7	75.6	94.6	83.5	81.3	74.3
Georgia										
November 1993	-	-	64.0	57.7	74.2	59.7	83.5	68.8	70.1	60.5
October 1993	-	-	66.3	63.3	76.5	65.3	87.1	71.2	72.7	65.4
November 1992	W	-	70.5	68.1	81.2	75.0	92.2	78.9	77.2	71.4
North Carolina										
November 1993	-	-	62.4	55.0	72.5	65.2	82.4	68.0	68.0	59.0
October 1993	-	-	63.8	57.4	73.9	66.3	83.8	69.8	69.3	61.2
November 1992	W	-	72.0	67.9	81.1	75.3	90.3	81.6	77.1	70.9
South Carolina										
November 1993	-	-	60.9	60.6	72.8	78.6	83.0	72.2	67.0	66.3
October 1993	-	-	64.0	63.4	75.8	82.8	86.0	78.0	70.0	69.9
November 1992	-	-	69.8	65.9	80.0	71.0	90.7	78.1	74.7	69.3
Virginia										
November 1993	-	-	67.1	59.4	78.4	65.4	86.9	71.2	73.5	62.7
October 1993	-	-	68.2	62.0	78.7	70.3	87.8	73.5	74.5	65.8
November 1992	-	W	74.5	72.1	84.9	80.8	94.2	86.3	80.5	76.7
West Virginia										
November 1993	-	-	71.5	60.9	82.0	67.8	87.8	73.7	76.0	65.0
October 1993	-	-	73.3	64.4	83.4	69.9	89.9	77.5	77.7	67.9
November 1992	-	W	79.9	70.7	88.9	77.3	96.0	82.8	84.1	74.9
PAD District II Average										
November 1993	-	-	66.5	64.3	73.5	69.7	79.7	71.6	69.3	66.0
October 1993	-	-	69.7	68.6	76.8	73.7	83.6	75.8	72.5	70.0
November 1992	83.1	81.7	74.4	73.6	81.8	79.1	88.1	82.9	77.2	75.7
Illinois										
November 1993	-	-	67.7	62.6	73.3	69.1	79.7	72.0	70.3	65.1
October 1993	-	-	69.0	68.6	74.9	75.3	81.8	76.4	71.7	70.6
November 1992	83.5	77.5	74.9	72.0	83.4	78.8	90.5	81.1	78.3	74.7
Indiana										
November 1993	-	-	63.6	62.7	70.7	69.0	76.7	76.3	67.0	65.5
October 1993	-	-	66.6	68.2	73.5	73.7	80.0	80.3	69.8	70.6
November 1992	85.5	84.6	72.8	71.2	79.6	77.6	84.9	85.0	75.6	75.7
Iowa										
November 1993	-	-	66.5	67.4	75.6	70.3	77.6	69.1	67.7	67.6
October 1993	-	-	72.1	72.6	78.6	77.2	82.8	80.2	73.1	72.9
November 1992	80.0	80.0	73.9	77.9	80.7	84.4	83.8	89.2	75.0	78.6
Kansas										
November 1993	-	-	68.6	67.8	74.5	71.5	80.3	72.3	70.1	68.2
October 1993	-	-	72.3	73.3	79.5	81.5	85.3	77.5	74.0	73.8
November 1992	77.1	77.1	73.5	77.4	79.8	84.9	85.7	77.9	75.3	77.7
Kentucky										
November 1993	-	-	67.3	58.2	76.5	65.9	84.1	70.8	72.0	62.7
October 1993	-	-	68.8	62.5	78.5	66.5	86.2	76.7	73.6	65.8
November 1992	W	W	73.7	68.2	81.4	77.3	88.6	83.5	77.5	73.2
Michigan										
November 1993	-	-	64.6	61.8	72.8	69.8	78.7	69.7	67.8	63.6
October 1993	-	-	67.6	65.8	75.8	73.3	82.7	71.8	70.6	67.6
November 1992	86.8	84.6	72.5	72.9	79.6	77.4	87.4	82.1	75.3	75.3
Minnesota										
November 1993	-	-	77.3	72.0	82.9	78.4	89.9	NA	79.3	73.8
October 1993	-	-	79.0	76.4	85.3	82.3	90.8	82.1	80.9	78.2
November 1992	82.7	85.3	81.0	78.7	86.2	85.8	91.6	90.8	82.8	81.0
Missouri										
November 1993	-	-	63.3	64.7	71.5	68.9	77.6	NA	66.3	65.5
October 1993	-	-	67.6	69.1	75.3	72.6	82.1	74.7	70.4	70.1
November 1992	77.0	78.1	70.0	73.0	78.3	80.4	84.4	88.5	73.1	75.2

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										
November 1993	-	-	72.8	73.3	77.9	83.3	81.6	70.9	74.1	72.8
October 1993	-	-	75.2	74.9	80.7	89.4	83.2	74.8	76.4	74.7
November 1992	85.5	73.8	77.1	71.3	84.6	W	86.5	77.3	78.9	73.2
North Dakota										
November 1993	-	-	80.5	76.9	88.9	82.6	92.4	91.1	81.5	78.5
October 1993	-	-	83.4	75.7	89.9	84.3	94.9	93.1	84.3	78.6
November 1992	90.9	86.0	85.4	82.5	92.8	88.0	94.6	89.3	86.4	83.0
Ohio										
November 1993	-	-	63.3	61.1	71.1	67.6	77.9	71.9	66.9	64.0
October 1993	-	-	67.4	65.5	76.5	71.5	84.1	75.3	71.3	68.2
November 1992	79.4	87.1	76.5	71.8	84.1	77.0	91.0	80.9	79.6	74.1
Oklahoma										
November 1993	-	-	63.3	58.8	70.5	66.1	74.6	64.4	65.7	59.9
October 1993	-	-	68.8	65.6	75.7	67.2	81.7	69.3	71.2	66.2
November 1992	72.0	76.8	69.8	65.4	77.3	70.5	81.6	72.9	72.2	66.6
South Dakota										
November 1993	-	-	80.5	77.6	77.9	77.6	92.2	83.3	80.7	78.8
October 1993	-	-	80.9	80.7	83.2	84.3	93.1	85.1	81.9	82.1
November 1992	86.7	88.1	80.4	82.0	83.1	89.2	93.8	95.0	81.6	84.5
Tennessee										
November 1993	-	-	63.9	55.2	74.2	60.4	83.1	NA	69.8	58.3
October 1993	-	-	66.6	57.2	76.9	62.9	85.7	68.3	72.5	60.5
November 1992	W	-	71.3	64.6	81.4	71.7	89.9	76.4	76.8	67.6
Wisconsin										
November 1993	-	-	66.5	61.2	74.3	72.7	79.9	67.8	68.9	62.2
October 1993	-	-	70.1	65.2	77.8	77.3	83.4	73.0	72.4	66.1
November 1992	82.6	78.3	75.3	75.5	82.2	82.2	87.9	89.4	77.4	76.8
PAD District III Average										
November 1993	-	-	66.6	60.6	76.1	63.6	84.2	69.2	71.4	62.5
October 1993	-	-	69.4	64.6	78.6	67.6	86.7	72.6	74.0	66.2
November 1992	86.3	80.5	74.9	69.7	83.5	71.6	91.4	77.8	79.3	71.5
Alabama										
November 1993	-	-	65.8	57.8	74.1	61.1	83.3	66.7	71.0	60.3
October 1993	-	-	69.7	62.3	78.3	66.2	87.8	71.1	75.0	64.9
November 1992	W	-	74.8	69.4	84.2	74.3	92.3	82.2	79.6	73.3
Arkansas										
November 1993	-	-	66.3	61.1	76.0	66.3	83.9	69.7	70.1	63.4
October 1993	-	-	68.7	64.2	78.2	67.9	85.9	70.9	72.3	65.7
November 1992	72.0	W	71.7	68.4	79.9	70.9	87.4	78.1	75.1	70.2
Louisiana										
November 1993	-	-	68.1	59.1	79.3	67.1	87.2	72.1	74.2	63.5
October 1993	-	-	69.5	63.9	80.5	71.8	88.4	75.7	75.5	67.9
November 1992	W	W	74.8	70.8	84.5	76.5	91.6	79.2	80.0	73.8
Mississippi										
November 1993	-	-	63.9	59.8	75.5	64.4	82.2	70.9	69.5	62.8
October 1993	-	-	66.7	62.6	76.7	66.1	84.3	74.5	71.7	65.2
November 1992	W	W	72.9	72.1	81.6	75.9	89.4	82.5	77.3	74.4
New Mexico										
November 1993	-	-	80.3	74.2	86.6	77.6	94.2	81.0	82.1	74.9
October 1993	-	-	82.7	75.3	88.5	84.7	96.6	85.8	84.3	76.2
November 1992	88.2	82.3	88.1	79.4	91.8	79.0	100.2	88.0	89.3	80.9
Texas										
November 1993	-	-	65.3	59.8	75.6	59.8	83.4	66.3	70.2	60.6
October 1993	-	-	68.2	64.2	78.3	65.0	85.9	70.0	73.0	65.1
November 1992	84.2	W	74.3	68.2	83.6	69.9	91.5	73.1	79.1	69.1
PAD District IV Average										
November 1993	-	-	79.4	76.2	87.5	74.8	91.8	NA	82.1	77.4
October 1993	-	-	78.9	78.2	87.5	73.2	92.4	82.7	81.8	78.6
November 1992	87.1	81.9	84.4	80.0	90.1	80.7	96.6	85.1	86.8	81.1
Colorado										
November 1993	-	-	82.2	74.0	91.4	70.2	99.8	80.3	85.7	74.4
October 1993	-	-	79.9	76.2	89.8	72.3	98.1	82.1	83.8	76.5
November 1992	89.7	81.2	85.0	77.9	92.0	78.0	100.2	82.1	88.2	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
Idaho										
November 1993	-	-	76.1	75.3	94.5	89.1	83.8	88.1	77.4	76.0
October 1993	-	-	77.5	77.8	94.7	W	84.5	88.6	78.7	78.3
November 1992	83.7	81.9	83.4	79.9	W	87.5	93.4	90.8	84.2	81.3
Montana										
November 1993	-	-	84.2	81.4	84.4	W	94.3	90.6	85.7	82.3
October 1993	-	-	84.3	83.3	W	W	94.3	94.1	85.9	84.0
November 1992	90.6	85.6	89.3	83.8	W	W	97.5	95.6	90.5	85.6
Utah										
November 1993	-	-	71.9	NA	75.9	78.9	83.6	NA	74.9	NA
October 1993	-	-	73.6	72.6	79.7	73.9	86.4	79.1	76.8	74.3
November 1992	83.0	77.8	80.1	78.9	82.8	W	89.8	83.2	82.3	79.5
Wyoming										
November 1993	-	-	82.9	79.9	86.2	-	92.5	85.7	84.4	80.5
October 1993	-	-	84.1	83.1	87.7	-	93.6	85.5	85.5	83.3
November 1992	90.4	80.7	89.6	85.3	W	-	98.7	91.8	90.7	85.1
PAD District V Average										
November 1993	-	-	78.5	71.0	81.9	73.9	95.9	83.0	81.6	73.0
October 1993	-	-	81.2	76.6	85.2	78.1	98.8	89.0	84.4	78.7
November 1992	83.3	84.1	88.4	79.8	93.8	81.8	104.9	90.3	91.0	81.6
Alaska										
November 1993	-	-	106.0	92.6	-	W	111.0	91.9	106.6	92.6
October 1993	-	-	106.5	92.4	-	-	111.5	87.6	107.1	91.4
November 1992	116.8	105.5	125.1	102.1	-	-	126.1	105.9	124.7	103.1
Arizona										
November 1993	-	-	85.3	69.4	90.2	51.5	101.9	74.9	87.6	69.1
October 1993	-	-	86.0	73.3	92.3	71.4	102.3	82.9	88.5	73.9
November 1992	83.2	78.5	87.2	81.5	92.3	-	103.5	92.8	88.5	81.4
California										
November 1993	-	-	73.0	68.3	80.6	74.5	91.5	82.1	77.3	71.1
October 1993	-	-	77.1	75.5	84.3	78.5	95.9	88.7	81.4	78.2
November 1992	W	W	87.7	76.7	93.7	81.9	104.7	88.8	91.5	79.3
Hawaii										
November 1993	-	-	107.7	73.1	111.2	70.0	125.8	86.9	112.5	76.6
October 1993	-	-	108.0	80.1	111.3	78.2	124.6	93.2	112.5	83.4
November 1992	-	-	103.8	78.7	114.8	76.2	120.7	90.0	109.7	81.1
Nevada										
November 1993	-	-	83.7	68.4	84.3	80.9	100.0	90.1	86.4	70.1
October 1993	-	-	84.7	72.9	85.1	72.3	102.9	82.2	87.5	73.2
November 1992	86.3	W	88.6	78.9	88.7	76.6	106.1	87.6	91.3	79.5
Oregon										
November 1993	-	-	82.6	75.7	82.4	W	99.3	88.3	84.8	77.0
October 1993	-	-	84.7	80.1	83.3	W	100.6	93.3	86.7	81.4
November 1992	85.2	85.8	89.5	85.2	W	-	105.0	98.8	90.2	86.3
Washington										
November 1993	-	-	77.3	76.5	W	NA	95.5	80.7	80.2	77.2
October 1993	-	-	78.6	77.0	85.9	W	96.4	87.8	81.3	78.5
November 1992	80.9	81.5	85.9	82.9	W	W	102.4	93.4	87.1	83.9

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												
November 1993	73.8	58.8	58.8	72.3	56.9	50.5	73.4	58.4	56.9	72.1	67.7	58.0
October 1993	76.7	61.6	63.2	74.2	61.3	56.6	76.0	61.5	61.7	74.5	71.6	62.3
November 1992	82.7	69.4	70.4	80.0	69.8	60.2	82.0	69.5	68.1	80.1	76.8	67.8
PAD District I Average												
November 1993	74.3	53.9	59.0	70.0	57.5	50.0	73.5	55.1	58.0	72.0	64.8	58.3
October 1993	76.5	57.3	62.5	71.8	60.0	55.0	75.7	58.2	61.7	73.8	67.5	61.6
November 1992	82.5	68.1	71.6	78.1	67.0	61.8	81.8	67.6	70.5	81.2	75.6	70.1
Subdistrict IA Average												
November 1993	79.5	53.2	59.6	-	W	49.7	79.5	53.9	58.7	75.2	62.4	57.9
October 1993	80.6	56.1	62.3	-	W	W	80.6	56.9	61.9	76.9	64.3	60.3
November 1992	89.5	68.8	73.6	-	W	60.7	89.5	65.1	72.2	87.0	74.9	72.7
Connecticut												
November 1993	W	58.5	63.3	-	W	W	W	58.9	61.6	77.3	62.6	59.1
October 1993	W	59.1	64.7	-	W	W	W	59.0	64.4	78.3	64.2	60.7
November 1992	W	74.5	75.7	-	W	W	W	72.4	74.1	88.3	76.6	78.1
Maine												
November 1993	-	53.3	54.8	-	-	W	-	53.3	54.6	78.1	68.2	57.2
October 1993	-	W	56.0	-	-	W	-	W	55.9	80.4	67.7	61.4
November 1992	-	W	67.8	-	W	W	-	64.3	67.2	88.4	77.9	69.6
Massachusetts												
November 1993	78.6	W	58.5	-	W	W	78.6	53.2	58.0	72.5	58.1	55.0
October 1993	80.0	55.2	62.7	-	W	W	80.0	56.2	62.3	74.3	60.8	59.0
November 1992	89.1	66.4	74.0	-	W	W	89.1	64.1	72.6	85.3	71.3	69.4
New Hampshire												
November 1993	77.6	W	62.2	-	W	W	77.6	W	62.1	76.3	65.6	63.9
October 1993	78.5	W	63.5	-	W	W	78.5	60.6	62.7	77.8	67.0	65.1
November 1992	W	W	73.3	-	W	W	W	W	72.4	87.2	78.3	75.9
Rhode Island												
November 1993	W	W	59.2	-	W	W	76.4	51.5	56.6	71.8	67.9	53.0
October 1993	W	W	60.9	-	W	W	77.5	56.8	60.5	73.4	68.5	52.9
November 1992	84.7	W	71.5	-	W	W	84.7	67.4	70.1	85.1	69.8	67.9
Vermont												
November 1993	-	-	63.3	-	W	W	-	W	62.0	81.4	70.7	67.5
October 1993	-	W	64.1	-	W	W	-	W	63.5	83.4	71.6	70.3
November 1992	-	W	W	-	W	W	-	W	73.3	89.4	78.8	78.2
Subdistrict IB Average												
November 1993	76.3	W	62.0	69.9	61.2	52.1	75.1	58.1	61.0	72.7	66.3	59.6
October 1993	78.3	W	W	72.7	61.3	56.4	77.3	59.7	64.1	74.0	68.0	62.1
November 1992	86.6	W	75.9	79.4	70.3	64.6	85.3	70.6	74.8	83.8	77.0	70.7
Delaware												
November 1993	W	W	58.4	-	-	W	W	W	57.5	65.7	62.5	57.0
October 1993	W	54.5	60.5	-	W	W	W	54.6	59.7	69.4	65.4	61.1
November 1992	W	66.0	72.9	-	-	W	W	66.0	71.4	81.7	74.3	68.7
District of Columbia												
November 1993	-	W	W	-	-	W	-	W	74.2	W	59.8	55.8
October 1993	-	W	73.2	-	-	W	-	W	73.1	W	60.2	58.0
November 1992	-	W	85.6	-	-	-	-	W	85.6	W	70.8	66.1
Maryland												
November 1993	-	55.4	64.9	W	W	65.4	W	55.5	65.0	71.4	66.0	58.5
October 1993	-	55.8	64.7	W	W	65.3	W	55.8	64.8	72.0	66.9	60.8
November 1992	-	70.3	W	-	W	78.6	-	70.0	77.2	83.7	76.0	73.3
New Jersey												
November 1993	83.9	57.4	63.5	W	W	50.7	83.4	57.8	62.6	77.5	67.1	59.8
October 1993	84.5	59.6	67.1	W	W	53.8	83.8	59.0	66.1	78.4	69.8	62.6
November 1992	96.2	72.7	78.1	W	W	62.4	95.7	72.4	76.5	91.5	79.3	68.7
New York												
November 1993	75.7	57.7	64.5	W	W	51.3	73.1	56.9	63.2	76.6	63.1	59.0
October 1993	78.1	61.9	68.7	W	W	55.9	75.8	59.4	67.5	77.6	65.4	62.2
November 1992	84.4	73.2	77.7	W	W	64.1	81.9	71.8	76.4	84.5	75.1	72.1
Pennsylvania												
November 1993	72.0	55.0	56.4	74.4	64.3	48.3	72.5	60.8	55.5	68.6	69.6	60.6
October 1993	74.8	58.0	59.4	77.5	65.9	54.5	75.4	62.6	58.9	70.3	70.8	62.3
November 1992	82.9	70.6	71.1	83.8	69.6	60.8	83.1	69.9	69.7	80.9	79.1	71.2

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												
November 1993	72.6	52.5	55.9	70.0	54.7	48.5	72.1	53.0	55.0	70.9	64.2	57.6
October 1993	75.0	56.5	60.3	71.1	59.5	53.9	74.4	57.2	59.5	72.8	67.7	61.9
November 1992	79.6	66.0	67.0	77.3	65.0	59.9	79.2	65.7	66.1	78.9	74.6	68.8
Florida												
November 1993	75.0	51.1	60.3	70.2	W	49.1	74.5	51.7	58.8	72.3	NA	58.3
October 1993	77.5	55.8	64.6	71.7	W	54.6	76.9	56.4	63.3	74.6	69.3	63.0
November 1992	81.3	64.4	70.1	77.8	W	60.0	80.9	64.1	68.6	81.7	77.1	69.5
Georgia												
November 1993	68.7	52.8	52.8	68.3	W	47.9	68.7	52.7	52.1	70.8	62.7	54.8
October 1993	71.5	56.5	58.3	70.7	-	53.3	71.4	56.5	57.6	73.2	68.0	59.8
November 1992	74.9	65.5	64.7	72.9	W	59.3	74.7	65.5	64.0	78.4	72.3	69.0
North Carolina												
November 1993	68.4	51.1	52.0	W	W	48.5	67.8	50.8	51.6	68.0	60.8	58.3
October 1993	71.1	55.3	56.8	W	-	54.4	69.9	55.3	56.5	69.2	62.4	62.0
November 1992	78.1	64.7	64.2	W	-	59.2	78.0	64.7	63.7	77.0	71.5	68.0
South Carolina												
November 1993	63.1	52.1	51.4	W	-	47.0	63.0	52.1	50.9	69.2	68.9	56.1
October 1993	67.3	56.6	56.5	W	-	52.7	67.0	56.6	56.1	71.7	72.0	59.9
November 1992	72.6	65.5	63.0	W	-	59.0	72.5	65.5	62.5	76.0	69.9	67.2
Virginia												
November 1993	82.4	54.0	58.3	W	52.5	49.0	77.3	53.7	57.4	72.5	64.2	60.3
October 1993	81.1	56.5	61.1	W	57.0	53.2	76.8	56.6	60.3	73.8	67.6	63.6
November 1992	88.2	68.0	68.8	W	W	60.8	83.5	66.1	67.9	79.4	77.7	69.4
West Virginia												
November 1993	80.7	63.9	56.6	W	W	49.6	79.6	63.4	55.3	71.6	66.3	63.3
October 1993	82.2	W	60.4	W	W	54.5	80.8	66.7	59.4	73.8	68.6	68.3
November 1992	87.2	74.6	69.1	W	W	61.7	85.3	73.4	67.6	82.6	75.7	73.8
PAD District II Average												
November 1993	69.0	58.5	54.2	68.9	55.0	50.4	69.0	58.2	53.2	69.6	67.2	57.5
October 1993	73.3	62.0	60.2	69.9	61.9	58.0	72.3	62.0	59.6	72.6	71.2	63.0
November 1992	78.4	68.8	64.7	75.1	65.7	59.6	77.5	68.6	63.3	76.9	76.6	65.3
Illinois												
November 1993	68.8	55.5	55.3	W	-	49.2	69.2	55.5	54.2	71.1	65.6	57.6
October 1993	71.8	58.9	60.5	W	-	55.3	70.6	58.9	59.5	72.4	71.2	62.3
November 1992	80.0	64.9	67.2	W	W	59.8	78.9	65.0	65.7	77.9	75.3	63.5
Indiana												
November 1993	65.9	54.3	53.4	W	W	49.8	65.9	53.9	52.8	67.8	65.8	58.1
October 1993	69.8	57.4	58.4	W	W	54.9	69.1	57.0	57.7	70.4	71.1	61.6
November 1992	74.8	62.7	64.1	W	W	60.1	74.5	62.7	63.4	76.6	76.2	63.4
Iowa												
November 1993	69.5	W	55.2	67.2	-	51.0	67.8	W	53.4	67.7	67.8	57.2
October 1993	75.2	W	64.0	72.4	-	60.4	73.2	W	62.4	73.1	73.0	64.8
November 1992	76.1	W	62.6	75.1	-	59.3	75.3	W	61.2	74.9	76.7	65.5
Kansas												
November 1993	67.2	55.5	53.4	68.3	W	49.8	67.9	54.0	51.0	71.0	70.0	57.3
October 1993	74.2	62.4	63.2	72.1	W	59.5	73.0	62.3	60.7	74.4	75.2	65.1
November 1992	75.4	W	61.3	73.4	W	57.8	74.3	W	58.9	75.7	79.2	62.8
Kentucky												
November 1993	72.8	58.0	53.5	71.9	-	49.5	72.7	58.0	53.3	71.6	63.8	57.8
October 1993	75.5	61.5	58.3	72.9	-	53.3	75.3	61.5	57.9	72.7	66.7	62.8
November 1992	78.9	70.9	65.3	76.0	-	60.6	78.6	70.9	65.0	76.9	73.8	68.9
Michigan												
November 1993	66.9	59.2	54.0	W	W	50.1	67.1	59.1	53.4	68.8	66.0	55.8
October 1993	70.8	61.4	59.3	W	W	55.7	70.0	61.3	58.8	71.4	70.7	61.3
November 1992	74.6	69.2	65.2	W	W	61.9	74.0	69.2	64.7	76.6	77.2	66.7
Minnesota												
November 1993	80.9	64.5	60.3	80.1	W	54.4	80.7	62.7	57.7	77.9	74.3	61.2
October 1993	81.4	69.5	68.0	79.9	W	63.3	81.0	68.3	66.0	80.9	78.7	67.3
November 1992	81.5	70.8	68.1	84.0	W	61.7	82.1	69.7	65.6	83.2	81.5	68.3
Missouri												
November 1993	67.4	57.9	53.6	66.1	W	49.8	66.7	57.7	52.5	66.1	66.2	56.2
October 1993	72.4	61.2	61.6	69.4	W	57.6	71.0	61.1	60.2	70.2	71.2	63.0
November 1992	76.3	65.7	63.2	73.1	W	58.5	74.9	65.6	61.6	72.3	76.1	64.1

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												
November 1993	W	55.4	55.6	71.5	W	51.7	73.4	54.4	53.7	74.2	73.8	58.0
October 1993	W	W	64.3	73.0	W	61.0	75.3	61.4	62.6	76.6	75.4	65.8
November 1992	W	W	62.9	76.4	W	59.9	78.1	62.9	61.3	79.1	73.7	67.7
North Dakota												
November 1993	81.0	W	60.4	-	-	55.0	81.0	W	57.7	81.6	78.6	60.8
October 1993	84.5	W	68.6	W	-	63.8	83.0	W	66.2	84.4	76.7	68.0
November 1992	83.6	W	66.9	W	-	63.4	83.3	W	65.2	86.6	83.2	67.4
Ohio												
November 1993	67.1	59.8	54.6	W	W	50.0	67.3	60.0	54.3	65.9	67.1	56.4
October 1993	73.1	63.8	59.9	W	W	55.9	72.4	63.9	59.6	68.3	71.0	60.5
November 1992	80.7	72.2	67.3	W	W	60.9	80.2	72.4	66.9	78.5	75.1	66.7
Oklahoma												
November 1993	67.0	53.9	50.9	68.1	W	48.8	67.3	53.5	49.8	65.0	62.7	56.2
October 1993	73.2	60.2	59.4	70.5	62.6	56.9	72.4	60.9	58.1	70.7	68.8	60.7
November 1992	73.4	60.6	57.9	72.7	61.9	57.2	73.2	60.9	57.6	71.6	69.2	61.8
South Dakota												
November 1993	W	W	59.3	W	W	56.1	75.1	67.9	57.7	80.9	79.2	64.5
October 1993	W	W	67.6	W	W	63.9	76.6	69.4	65.8	82.1	82.6	70.7
November 1992	W	W	64.6	W	W	62.5	W	65.2	63.6	81.8	84.7	65.5
Tennessee												
November 1993	72.4	55.4	52.3	68.8	48.4	47.7	71.0	54.3	51.7	69.1	59.0	58.3
October 1993	76.1	56.8	57.3	70.7	52.6	53.2	74.1	56.0	56.8	71.5	61.3	62.6
November 1992	78.6	64.9	63.5	77.5	61.6	59.1	78.3	64.3	62.8	75.6	68.1	67.9
Wisconsin												
November 1993	66.8	54.0	53.7	W	W	50.7	68.0	53.1	52.8	69.2	62.4	55.9
October 1993	70.5	58.9	59.6	W	W	56.8	70.5	58.4	58.7	73.0	66.2	62.1
November 1992	75.5	65.2	64.0	W	W	60.9	75.0	63.7	63.0	78.8	76.9	65.0
PAD District III Average												
November 1993	74.6	55.3	53.2	69.6	46.9	48.1	72.5	51.5	51.0	70.7	63.9	54.8
October 1993	77.1	58.2	57.7	72.3	52.9	52.9	75.3	56.2	55.7	73.2	67.9	58.4
November 1992	82.0	65.4	62.7	78.6	60.3	57.8	80.7	64.3	60.8	78.2	72.3	64.9
Alabama												
November 1993	70.8	51.0	51.8	65.9	48.3	47.6	69.6	50.8	51.0	71.3	61.8	61.3
October 1993	76.1	54.3	56.6	69.0	W	52.9	74.5	54.4	55.9	75.1	67.0	66.8
November 1992	79.5	62.8	63.3	77.7	W	58.9	79.1	62.8	62.3	79.7	74.7	74.5
Arkansas												
November 1993	72.9	W	52.2	W	W	48.8	70.0	52.7	50.7	70.1	63.5	NA
October 1993	75.4	W	58.0	W	W	54.9	72.8	58.9	56.7	72.1	65.8	59.5
November 1992	84.3	63.5	62.1	W	59.5	58.7	77.6	62.6	60.8	74.3	70.4	62.2
Louisiana												
November 1993	78.4	50.7	54.1	71.1	51.7	46.6	76.9	50.7	51.6	73.3	64.9	57.2
October 1993	79.6	55.2	57.6	73.4	81.1	51.3	78.5	55.7	55.0	74.5	69.3	59.4
November 1992	83.6	63.1	64.5	79.3	67.1	58.2	82.8	63.3	62.4	78.2	75.9	72.8
Mississippi												
November 1993	W	51.9	49.8	70.2	47.6	47.1	68.9	50.4	48.9	69.6	63.5	55.0
October 1993	W	55.3	55.0	71.8	52.3	51.7	73.0	54.6	54.0	71.6	66.2	61.6
November 1992	W	64.2	60.8	76.8	59.2	57.8	77.4	62.5	59.9	77.3	75.3	65.1
New Mexico												
November 1993	87.1	W	65.9	89.5	W	62.1	88.8	71.1	64.2	79.3	75.0	67.1
October 1993	85.8	W	71.2	90.9	W	68.8	89.3	74.3	70.2	82.4	76.3	74.7
November 1992	92.5	74.2	71.8	93.1	71.6	68.4	92.9	73.6	70.3	87.4	81.9	76.4
Texas												
November 1993	74.2	61.3	53.2	67.9	W	47.5	71.5	51.3	50.5	68.8	62.9	52.9
October 1993	76.7	60.8	57.7	70.7	52.2	52.3	74.5	56.2	55.1	71.4	67.7	56.4
November 1992	81.7	W	62.1	77.6	W	56.9	80.2	64.1	59.9	77.7	69.7	62.7
PAD District IV Average												
November 1993	82.7	69.1	67.9	85.9	76.5	64.4	84.2	72.4	66.5	80.6	77.7	68.8
October 1993	82.6	67.8	69.4	84.6	80.8	67.4	83.4	74.7	68.6	80.8	78.8	72.2
November 1992	86.6	72.1	71.8	89.0	77.7	68.2	87.6	75.1	70.3	86.1	81.5	72.8

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												
November 1993	87.1	W	66.3	86.5	W	60.8	86.8	68.7	64.0	83.8	74.6	65.8
October 1993	84.6	W	68.9	84.9	W	65.0	84.8	67.6	67.4	82.3	76.7	70.0
November 1992	88.4	W	72.0	89.4	W	65.7	88.9	69.4	69.0	86.9	79.5	71.4
Idaho												
November 1993	-	W	69.2	W	-	67.8	W	W	68.7	77.4	76.1	71.7
October 1993	-	W	70.0	W	-	69.3	W	W	69.7	78.6	78.4	75.6
November 1992	-	W	73.8	W	-	72.4	W	W	73.3	84.2	81.4	76.5
Montana												
November 1993	-	W	71.4	W	105.0	70.0	W	96.7	70.9	85.7	81.6	72.5
October 1993	-	W	72.2	W	109.5	71.9	W	108.4	72.1	85.9	83.1	74.5
November 1992	W	W	68.5	W	91.7	68.2	W	91.3	68.4	90.2	85.2	69.8
Utah												
November 1993	73.0	W	67.2	W	W	64.9	73.2	67.2	66.4	75.7	NA	68.6
October 1993	77.9	W	67.7	W	W	66.5	77.9	67.5	67.3	76.3	75.3	71.6
November 1992	81.5	73.2	73.0	W	W	70.7	81.5	72.8	72.2	82.7	81.0	75.8
Wyoming												
November 1993	W	72.3	68.9	82.3	W	65.2	80.8	72.7	66.9	85.1	80.9	72.3
October 1993	W	71.8	71.0	82.7	W	69.1	81.7	73.1	70.0	86.2	84.1	77.4
November 1992	W	76.5	68.5	88.3	W	67.0	86.5	72.6	67.6	91.6	85.7	72.1
PAD District V Average												
November 1993	80.7	67.9	68.4	79.8	66.9	52.4	80.5	67.7	65.6	83.4	74.1	64.6
October 1993	83.2	72.8	72.1	84.6	73.6	60.0	83.6	73.0	70.0	85.6	79.6	68.2
November 1992	91.8	74.0	81.6	92.2	82.3	62.9	91.9	76.1	78.9	89.7	83.2	74.2
Alaska												
November 1993	W	W	77.5	104.8	W	W	103.8	W	76.3	121.5	99.5	87.3
October 1993	W	W	77.5	104.4	W	W	103.4	W	75.5	125.9	99.9	91.0
November 1992	W	W	93.5	118.3	94.1	W	117.6	94.1	91.4	NA	118.7	99.5
Arizona												
November 1993	89.8	71.9	76.2	W	W	56.6	90.1	68.2	73.6	85.9	69.2	67.2
October 1993	90.2	76.6	78.8	W	W	63.3	90.4	73.8	76.8	87.2	73.9	78.0
November 1992	89.5	75.7	78.6	W	77.9	68.6	89.6	76.9	77.1	87.9	82.2	77.6
California												
November 1993	78.5	68.5	67.0	74.6	W	50.7	77.3	68.6	64.0	77.3	71.7	61.6
October 1993	81.9	72.3	71.5	80.5	W	58.5	81.5	72.0	69.0	81.2	79.0	64.9
November 1992	93.9	73.2	82.4	88.8	65.1	60.6	92.3	72.6	79.2	89.4	81.1	71.1
Hawaii												
November 1993	W	W	W	W	W	W	109.7	W	93.8	114.9	96.0	105.9
October 1993	W	W	W	W	W	W	109.3	W	95.5	115.3	99.0	106.1
November 1992	W	W	W	W	W	W	109.4	W	97.0	W	110.6	108.9
Nevada												
November 1993	W	66.5	64.7	W	W	54.5	77.0	63.2	62.7	88.3	71.3	61.0
October 1993	77.9	73.1	70.8	W	W	62.2	77.9	70.2	69.1	89.4	73.8	67.1
November 1992	83.3	80.0	75.2	W	W	62.3	83.3	79.5	72.3	93.5	79.5	76.0
Oregon												
November 1993	86.2	67.9	69.0	W	W	54.7	86.4	66.2	66.6	84.1	77.5	70.2
October 1993	88.0	68.7	70.3	W	W	62.8	88.1	68.2	68.9	86.2	82.0	75.3
November 1992	92.0	76.5	78.7	W	W	68.7	93.4	82.9	77.6	89.0	86.5	79.9
Washington												
November 1993	78.8	63.9	69.6	W	-	59.9	79.7	63.9	68.5	81.0	77.8	69.7
October 1993	79.8	67.7	69.8	W	-	66.2	81.0	67.7	69.5	81.8	78.9	73.3
November 1992	85.3	75.8	79.0	W	-	68.8	86.5	75.8	77.9	87.8	84.6	76.8

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 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												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	81.1	78.4	73.7	91.0	NA	67.7	84.2	NA	71.7	84.3	82.3	74.4
PAD District I Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	-	-	-	-	-	W	-	77.5	79.5	NA
Subdistrict IA Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	W	W
Connecticut												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Maine												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	-	-
New Hampshire												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Vermont												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	W	W
Subdistrict IB Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	-	-	-	-	-	W	-	W	NA	W
Delaware												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	W	W
New York												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	-	-	-	-	-	W	-	W	W	-
Pennsylvania												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	-	-	-	-	-	W	-	-	77.6	-

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	
Subdistrict IC Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	-	-	-	-	-	W	-	W	W	W
Florida												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	-	-
Georgia												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	-	-
North Carolina												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	-	-
South Carolina												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Virginia												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	W	W
West Virginia												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	-	-	-	-	-	W	-	-	-	-
PAD District II Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	85.9	W	60.9	79.4	-	64.4	82.1	W	63.7	83.1	81.7	67.2
Illinois												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	W	-	-	W	83.5	77.5	74.3
Indiana												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	-	-	-	W	-	W	W	85.5	84.6	66.6
Iowa												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	W	-	-	W	-	-	80.3	80.0	63.3
Kansas												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	W	W	-	W	W	-	W	77.0	77.1	67.4
Kentucky												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	W	W	-	W	W	W	W	W	-	-
Michigan												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	62.7	W	-	W	W	-	70.8	86.9	84.6	71.2
Minnesota												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	-	W	-	-	W	-	-	82.2	85.3	65.9
Missouri												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	W	-	-	W	-	-	77.1	78.1	73.3

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												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	W	W	-	65.7	W	-	65.4	86.0	73.8	62.8
North Dakota												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	W	W	-	64.2	W	-	64.6	90.8	86.0	67.4
Ohio												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	W	-	-	-	-	W	W	79.4	W	W
Oklahoma												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	W	-	-	59.3	W	-	59.3	72.0	76.8	64.9
South Dakota												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	W	-	-	67.2	-	-	67.2	86.7	88.1	68.8
Tennessee												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	-	-
Wisconsin												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	82.6	NA	66.7
PAD District III Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	71.0	91.6	W	66.7	91.7	W	68.4	84.5	81.0	77.2
Alabama												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	-	-
Arkansas												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	W	-	-	W	72.0	W	W
Louisiana												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	W	W	-
Mississippi												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	W	W	-	W	W	W	-	-
New Mexico												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	70.9	91.8	W	68.7	91.7	W	69.7	86.9	82.4	77.4
Texas												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	71.2	W	-	63.6	91.8	-	66.0	81.5	W	74.7
PAD District IV Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	87.8	W	70.2	89.6	W	69.3	88.8	72.1	69.8	86.7	81.9	73.5

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	
Colorado												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	W	91.5	-	68.4	91.3	-	69.1	88.7	81.2	74.3
Idaho												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	72.3	W	-	72.1	W	W	72.2	83.8	81.9	76.5
Montana												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	W	W	W	67.7	91.7	W	67.5	90.5	85.7	69.1
Utah												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	W	71.0	W	W	70.1	W	W	70.5	83.3	78.0	75.4
Wyoming												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	67.8	87.1	-	67.0	85.1	-	W	91.2	80.7	71.3
PAD District V Average												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	30.2	75.9	75.3	92.2	NA	68.0	82.7	NA	74.0	83.6	84.2	76.3
Alaska												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	W	W	W	W	W	W	99.8	NA	NA	100.8
Arizona												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	82.8	W	75.7	W	W	67.9	83.4	73.7	73.8	83.1	78.7	76.4
California												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	W	-	-	-	-	-	W	-	-	-	W	85.2
Hawaii												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Nevada												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	W	70.6	-	-	W	-	W	70.9	86.3	NA	NA
Oregon												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	84.2	W	75.5	W	-	67.8	87.1	W	74.4	84.7	85.8	78.7
Washington												
November 1993	-	-	-	-	-	-	-	-	-	-	-	-
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	76.9	72.9	74.6	W	-	67.9	79.4	72.9	73.6	82.4	81.8	74.2

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.

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												
November 1993	68.1	57.7	55.0	69.4	55.4	49.6	68.5	57.2	53.5	68.6	65.8	55.6
October 1993	71.1	59.7	59.7	71.2	58.9	55.8	71.1	59.5	58.6	71.1	69.8	59.9
November 1992	77.5	67.4	66.4	77.1	68.1	59.1	77.4	67.6	64.4	76.6	74.4	65.1
PAD District I Average												
November 1993	66.2	52.2	53.7	66.0	56.3	48.5	66.1	53.4	53.0	66.7	61.5	55.1
October 1993	68.6	55.3	57.3	67.9	57.8	53.1	68.5	56.0	56.8	68.5	64.0	58.2
November 1992	75.2	65.7	66.6	74.5	64.7	60.1	75.1	65.2	65.6	75.9	71.6	66.8
Subdistrict IA Average												
November 1993	71.1	51.3	55.4	-	W	49.1	71.1	52.3	54.6	70.0	58.3	54.8
October 1993	72.2	54.3	58.1	-	W	W	72.2	54.9	57.8	71.8	61.1	56.9
November 1992	81.3	65.5	69.4	-	W	59.7	81.3	63.3	67.9	82.3	72.5	69.4
Connecticut												
November 1993	W	55.1	59.2	-	W	W	W	55.1	57.3	70.9	59.1	55.2
October 1993	W	55.8	60.5	-	W	W	W	55.8	60.2	72.0	60.7	56.1
November 1992	84.6	W	71.3	-	W	W	84.6	65.7	69.3	82.6	73.4	74.2
Maine												
November 1993	-	51.2	52.2	-	-	W	-	51.2	52.1	74.6	64.8	54.8
October 1993	-	W	53.4	-	-	W	-	W	53.4	76.7	64.1	59.1
November 1992	-	W	65.5	-	W	W	-	64.0	64.9	84.7	75.6	67.2
Massachusetts												
November 1993	70.2	W	54.2	-	W	W	70.2	51.3	53.8	66.8	53.3	52.0
October 1993	71.7	W	58.2	-	W	W	71.7	53.8	57.8	68.7	57.4	56.0
November 1992	81.3	65.0	69.8	-	W	W	81.3	63.0	68.2	80.3	67.4	66.3
New Hampshire												
November 1993	69.9	W	58.1	-	W	W	69.9	W	58.1	71.5	61.0	60.5
October 1993	70.7	W	59.7	-	W	W	70.7	59.1	59.1	73.1	64.0	61.4
November 1992	W	W	69.8	-	W	W	W	W	69.0	82.8	77.4	72.8
Rhode Island												
November 1993	68.9	W	54.8	-	W	W	68.9	50.8	52.7	67.3	63.3	50.9
October 1993	70.2	W	56.6	-	W	W	70.2	55.4	56.3	69.2	64.9	50.9
November 1992	77.3	W	67.1	-	W	W	77.3	66.1	66.0	80.6	66.2	65.7
Vermont												
November 1993	-	-	60.0	-	W	W	-	W	58.7	77.1	67.8	64.1
October 1993	-	W	61.0	-	W	W	-	W	60.4	79.2	68.5	66.5
November 1992	-	W	W	-	W	W	-	W	70.0	85.5	75.9	75.0
Subdistrict IB Average												
November 1993	68.4	54.5	56.0	68.4	60.0	50.1	68.0	56.5	55.3	68.1	63.1	56.8
October 1993	70.6	56.6	59.1	69.2	58.8	54.3	70.3	57.4	58.5	69.3	64.8	59.2
November 1992	79.3	68.2	70.1	76.5	67.3	62.4	78.6	67.7	68.9	78.8	73.3	67.2
Delaware												
November 1993	W	W	54.4	-	-	W	W	W	53.7	NA	59.1	54.4
October 1993	W	W	56.8	-	-	W	W	W	56.2	64.1	61.6	58.5
November 1992	W	W	69.1	-	-	W	W	W	67.7	76.7	70.1	66.2
District of Columbia												
November 1993	-	W	66.4	-	-	W	-	W	66.2	W	57.6	53.0
October 1993	-	W	65.1	-	-	W	-	W	65.1	W	58.2	53.9
November 1992	-	W	78.3	-	-	-	-	W	78.3	W	68.2	W
Maryland												
November 1993	-	53.4	59.6	W	W	62.2	W	53.4	59.9	66.2	62.2	55.1
October 1993	-	53.5	59.6	W	W	63.8	W	53.5	60.0	66.5	62.6	57.3
November 1992	-	67.5	72.4	-	W	75.5	-	67.4	72.9	78.0	71.8	69.9
New Jersey												
November 1993	74.2	56.1	57.3	W	W	49.4	74.1	55.6	56.6	70.3	61.9	56.9
October 1993	74.5	57.4	61.1	W	W	52.2	74.2	56.5	60.0	71.2	64.6	59.5
November 1992	87.8	69.8	71.8	W	W	61.0	87.8	69.0	70.1	84.3	74.0	64.7
New York												
November 1993	68.5	55.8	57.2	W	W	50.3	66.6	55.0	56.4	72.4	60.8	56.4
October 1993	70.9	59.5	61.5	W	W	54.2	69.3	57.2	60.6	73.3	63.1	59.5
November 1992	77.6	69.4	70.6	W	W	62.5	75.8	68.7	69.6	79.8	72.5	68.7
Pennsylvania												
November 1993	64.9	53.3	52.5	70.6	63.0	46.9	66.3	59.4	51.6	64.0	66.3	57.7
October 1993	68.2	56.2	55.5	73.7	63.0	53.0	69.5	60.0	55.2	65.6	67.9	59.3
November 1992	76.3	68.4	67.1	80.6	67.1	59.3	77.3	67.5	65.7	76.8	75.6	68.1

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			Recellers		
	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												
November 1993	64.3	50.6	51.0	65.8	51.9	47.0	64.6	50.8	50.4	65.1	60.9	54.0
October 1993	67.0	54.5	55.6	66.8	57.1	52.2	66.9	55.0	55.1	67.1	64.0	58.1
November 1992	72.4	63.8	62.5	73.1	62.5	58.2	72.5	63.4	61.9	73.3	70.1	65.5
Florida												
November 1993	65.6	49.3	53.5	65.1	W	47.3	65.5	49.2	52.4	66.6	NA	54.1
October 1993	68.2	54.1	58.0	66.6	W	52.7	68.0	54.1	57.2	69.1	66.3	58.7
November 1992	73.2	61.9	64.1	72.4	W	58.4	73.1	61.4	63.0	76.3	71.7	65.4
Georgia												
November 1993	61.8	51.2	48.9	64.2	W	46.2	62.0	51.2	48.4	64.8	59.3	51.4
October 1993	64.7	54.6	54.4	66.7	-	51.6	64.9	54.6	54.0	67.0	65.5	56.3
November 1992	68.7	64.0	61.0	69.1	W	57.8	68.8	64.0	60.5	71.4	68.7	65.3
North Carolina												
November 1993	62.2	49.4	48.8	W	W	47.1	62.2	49.1	48.6	62.4	56.3	54.8
October 1993	64.8	53.4	53.7	W	-	53.2	64.2	53.4	53.6	63.7	58.2	58.5
November 1992	73.2	64.1	61.1	W	-	57.6	73.3	64.1	60.7	71.8	68.3	64.8
South Carolina												
November 1993	57.0	49.6	48.5	W	-	45.8	57.3	49.6	48.1	62.8	62.8	52.9
October 1993	61.2	54.3	53.5	W	-	51.3	61.2	54.3	53.2	65.5	65.0	58.7
November 1992	67.7	62.9	60.1	W	-	57.4	67.7	62.9	59.7	71.0	66.4	65.6
Virginia												
November 1993	73.7	52.5	53.4	W	48.3	47.6	69.9	51.9	52.8	66.4	60.7	56.9
October 1993	72.6	54.5	56.4	W	52.8	51.3	69.5	54.3	55.9	67.8	63.5	59.5
November 1992	80.1	65.8	64.4	W	W	59.0	76.6	63.6	63.7	73.8	73.0	65.5
West Virginia												
November 1993	75.4	58.4	53.1	W	W	48.4	75.0	60.1	52.0	67.3	61.7	59.6
October 1993	77.0	62.9	57.2	W	W	53.0	76.2	63.6	56.3	69.4	64.9	64.5
November 1992	82.7	69.8	65.8	W	W	60.1	81.2	69.9	64.3	78.3	71.2	70.7
PAD District II Average												
November 1993	64.7	56.5	51.6	66.3	53.6	49.8	65.2	56.3	51.1	67.3	65.6	55.6
October 1993	69.0	60.0	57.9	67.4	59.9	57.5	68.5	60.0	57.8	70.5	69.9	61.1
November 1992	74.4	66.7	62.1	72.5	64.2	58.9	73.8	66.6	61.1	74.7	74.6	63.5
Illinois												
November 1993	63.6	54.3	51.3	W	-	48.5	64.9	54.3	50.8	69.3	63.2	55.3
October 1993	66.8	57.8	56.8	W	-	54.7	66.3	57.8	56.3	70.6	69.4	59.8
November 1992	74.7	64.3	63.1	W	W	59.3	74.2	64.4	62.1	75.3	72.7	61.9
Indiana												
November 1993	62.5	52.9	50.5	W	W	48.7	62.8	52.5	50.1	64.1	63.0	55.5
October 1993	66.6	56.6	55.6	W	W	54.0	66.0	56.2	55.2	67.1	68.8	59.2
November 1992	71.6	61.9	61.3	W	W	58.8	71.5	61.9	60.9	74.0	71.8	61.8
Iowa												
November 1993	66.2	W	54.1	66.1	-	50.8	66.7	W	52.6	66.4	67.6	55.9
October 1993	73.9	W	63.1	71.3	-	60.2	72.0	W	61.7	72.1	72.7	63.4
November 1992	74.7	W	61.7	73.5	-	59.1	73.8	W	60.5	73.9	78.1	64.3
Kansas												
November 1993	63.3	54.1	51.7	67.0	W	49.3	65.6	52.7	50.1	69.7	69.5	56.4
October 1993	70.3	61.0	61.7	70.8	W	59.1	70.6	61.2	59.9	73.0	74.7	64.0
November 1992	71.1	W	59.5	72.0	W	57.3	71.6	61.6	57.9	74.3	78.7	61.8
Kentucky												
November 1993	66.8	55.2	50.5	70.6	-	47.9	67.1	55.2	50.3	67.4	59.2	54.3
October 1993	69.4	58.7	55.3	71.5	-	52.1	69.6	58.7	55.0	68.4	63.6	59.1
November 1992	74.6	67.8	62.6	74.5	-	59.0	74.6	67.8	62.2	73.3	68.3	66.0
Michigan												
November 1993	63.3	56.7	51.4	W	W	49.1	63.7	56.6	51.0	65.7	64.5	54.1
October 1993	67.4	58.8	56.8	W	W	54.8	66.9	58.7	56.5	68.5	69.4	59.8
November 1992	71.2	67.1	62.8	W	W	60.8	70.9	67.0	62.5	74.2	74.9	64.9
Minnesota												
November 1993	78.4	64.1	58.5	77.9	W	53.6	78.3	62.3	56.3	76.3	72.5	59.9
October 1993	78.9	69.0	66.4	77.6	W	62.7	78.6	68.1	64.7	79.5	76.9	66.5
November 1992	79.1	70.7	66.2	82.2	W	61.3	79.9	69.5	64.1	81.8	79.3	67.5
Missouri												
November 1993	61.5	57.5	51.0	62.8	W	49.0	62.2	57.3	50.3	63.7	65.5	54.6
October 1993	66.8	60.4	59.3	66.4	W	56.6	66.6	60.4	58.3	68.1	70.4	61.5
November 1992	70.4	65.4	60.5	69.9	W	57.7	70.2	65.3	59.4	69.9	73.7	62.6

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												
November 1993	W	55.4	54.8	70.3	W	51.5	72.1	54.0	53.1	72.9	NA	56.9
October 1993	W	W	63.4	71.9	W	60.8	74.1	60.9	62.1	75.4	75.6	64.8
November 1992	W	W	62.0	74.1	W	59.8	76.2	62.5	60.8	77.3	71.9	66.7
North Dakota												
November 1993	78.2	W	58.6	-	-	54.7	78.2	W	56.6	80.6	77.1	60.5
October 1993	82.4	W	67.1	W	-	63.5	80.8	W	65.2	83.5	75.7	67.5
November 1992	81.1	W	65.3	W	-	63.2	80.9	W	64.2	85.6	82.6	66.9
Ohio												
November 1993	62.7	57.7	51.6	W	W	48.6	63.2	57.8	51.4	63.5	63.8	54.5
October 1993	68.5	61.7	57.0	W	W	54.6	68.0	61.8	56.8	66.0	68.3	58.5
November 1992	77.1	69.8	64.6	W	W	59.7	76.7	70.1	64.2	78.1	72.9	65.3
Oklahoma												
November 1993	62.6	52.7	49.8	65.4	50.5	48.4	63.5	52.1	49.0	63.1	61.6	54.6
October 1993	69.0	58.8	58.4	68.0	58.8	56.3	68.6	58.8	57.2	68.8	68.4	59.2
November 1992	69.4	59.3	56.8	70.3	59.9	56.7	69.7	59.4	56.7	69.8	67.9	60.7
South Dakota												
November 1993	W	W	57.9	W	W	55.6	74.3	66.8	56.8	80.7	78.1	63.9
October 1993	W	W	66.5	W	W	63.5	76.1	67.7	64.9	81.2	81.4	69.6
November 1992	W	W	63.7	W	W	62.0	W	65.2	62.9	80.6	82.2	64.8
Tennessee												
November 1993	64.8	55.3	48.6	63.4	W	45.9	64.2	54.0	48.2	63.7	55.5	53.9
October 1993	68.7	56.0	53.8	65.7	51.3	51.6	67.5	55.1	53.4	66.1	57.7	58.0
November 1992	71.7	63.4	60.2	72.9	61.8	57.7	72.2	63.1	59.7	70.5	64.8	64.3
Wisconsin												
November 1993	63.2	52.9	51.6	W	W	49.9	64.9	52.1	51.1	67.0	61.4	54.6
October 1993	66.9	57.2	57.6	W	W	56.1	67.4	57.0	57.1	70.9	NA	60.7
November 1992	72.7	63.1	62.1	W	W	60.3	72.3	62.1	61.4	76.9	75.7	63.7
PAD District III Average												
November 1993	67.4	54.3	50.3	65.4	45.8	47.2	66.5	49.9	48.9	66.7	62.0	52.3
October 1993	70.0	56.9	54.9	68.3	51.7	52.1	69.3	54.7	53.6	69.5	66.2	56.1
November 1992	75.4	64.0	60.0	74.6	59.6	56.9	75.1	62.9	58.7	74.8	70.5	62.1
Alabama												
November 1993	64.4	49.0	48.3	62.2	W	46.2	63.8	48.8	47.8	66.1	59.2	57.2
October 1993	69.6	52.1	53.2	65.0	W	51.6	68.5	52.1	52.9	69.9	64.2	62.9
November 1992	73.6	60.7	60.1	73.1	W	57.8	73.5	60.7	59.5	75.2	70.4	70.9
Arkansas												
November 1993	66.8	W	49.7	W	W	47.6	65.2	52.7	48.7	66.6	61.3	55.9
October 1993	69.5	W	55.7	W	W	53.7	68.1	W	54.8	68.9	64.3	57.3
November 1992	80.5	63.5	59.5	W	W	57.6	73.3	63.0	58.7	71.2	68.7	60.3
Louisiana												
November 1993	70.3	48.6	50.0	65.6	W	45.5	69.1	48.5	48.2	67.8	60.3	53.1
October 1993	71.7	53.6	53.3	67.9	W	50.4	70.9	53.5	51.9	69.1	65.1	55.8
November 1992	76.6	60.5	60.7	73.8	W	57.1	76.0	60.8	59.2	74.2	72.8	68.7
Mississippi												
November 1993	62.7	49.2	47.9	65.6	46.0	45.6	63.8	48.0	47.1	63.9	60.5	54.0
October 1993	68.2	52.6	52.5	66.8	51.2	50.4	67.7	52.2	51.8	66.6	63.5	59.2
November 1992	73.3	W	58.5	71.1	57.3	56.7	72.4	60.5	57.8	72.9	72.9	62.4
New Mexico												
November 1993	83.7	W	64.4	87.9	W	61.4	86.8	70.9	63.0	77.5	74.3	66.2
October 1993	82.4	W	69.7	89.3	W	68.3	87.3	74.1	69.1	81.0	75.4	73.9
November 1992	89.6	73.1	70.5	92.2	71.8	67.8	91.4	72.8	69.3	86.4	80.6	75.2
Texas												
November 1993	66.7	61.0	50.4	63.0	W	46.8	64.9	49.6	48.5	65.7	62.7	50.7
October 1993	69.3	59.4	54.9	66.0	51.1	51.5	67.9	54.4	53.1	68.4	67.0	54.5
November 1992	74.9	64.8	59.6	73.4	W	56.2	74.2	62.5	58.0	74.5	68.7	60.4
PAD District IV Average												
November 1993	77.7	68.3	66.0	83.2	77.6	63.4	80.7	72.1	64.9	78.6	76.5	67.6
October 1993	77.4	66.8	67.5	80.9	83.6	66.5	79.1	75.1	67.1	78.8	78.4	70.8
November 1992	82.5	71.2	70.2	86.2	78.5	67.0	84.2	74.9	68.8	84.4	80.4	71.5

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	
Colorado												
November 1993	81.7	W	83.9	83.7	--	59.3	82.9	W	61.9	81.2	74.2	64.7
October 1993	79.1	W	86.7	81.2	-	64.1	80.2	W	65.5	79.5	76.5	68.8
November 1992	83.7	W	69.7	86.4	W	64.1	85.1	68.8	67.0	84.8	78.4	69.9
Idaho												
November 1993	-	W	67.6	W	-	67.1	W	W	67.4	76.0	75.5	70.6
October 1993	-	W	68.6	W	-	68.6	W	W	68.6	77.5	77.9	74.5
November 1992	-	W	72.6	W	-	72.0	W	W	72.4	83.4	80.1	75.5
Montana												
November 1993	-	W	69.8	W	NA	68.9	W	NA	69.5	84.2	80.6	71.7
October 1993	-	W	70.6	W	NA	70.9	W	NA	70.7	84.4	82.3	73.3
November 1992	W	W	67.6	W	NA	67.3	W	NA	67.5	89.1	82.6	68.8
Utah												
November 1993	68.1	W	65.0	W	W	63.6	68.4	65.2	64.5	73.2	NA	66.4
October 1993	73.2	W	65.4	W	W	65.2	73.3	64.1	65.3	73.8	73.6	69.5
November 1992	78.1	71.3	71.4	W	W	69.6	78.2	71.0	70.7	80.8	80.7	74.2
Wyoming												
November 1993	W	72.3	67.2	80.0	W	64.3	78.4	71.4	65.5	83.8	80.2	71.5
October 1993	W	71.8	69.3	80.5	W	68.3	79.3	71.6	68.7	84.9	83.8	NA
November 1992	W	W	67.3	86.6	W	66.2	84.8	71.8	66.7	90.6	85.9	70.9
PAD District V Average												
November 1993	76.4	67.1	64.7	77.8	65.5	51.4	76.8	66.9	62.0	80.9	72.0	62.4
October 1993	78.9	70.5	68.4	82.4	68.7	59.0	79.9	70.2	66.5	83.0	77.5	66.0
November 1992	88.1	71.9	77.7	90.2	80.8	61.5	88.7	74.2	74.9	88.0	81.4	71.7
Alaska												
November 1993	W	W	75.9	103.8	W	W	102.9	W	75.0	NA	99.2	86.3
October 1993	W	W	76.1	103.4	W	W	102.4	W	74.3	NA	99.2	90.1
November 1992	W	W	91.5	117.7	96.7	W	117.0	96.6	89.8	NA	109.6	98.8
Arizona												
November 1993	86.7	71.2	74.2	W	W	55.7	87.2	70.3	71.4	84.1	69.2	65.5
October 1993	86.8	75.8	76.8	W	W	62.8	87.2	73.2	74.8	85.2	73.3	76.0
November 1992	87.4	75.2	77.3	W	77.9	68.4	87.5	76.7	75.9	87.1	82.5	76.1
California												
November 1993	73.0	W	62.5	71.8	W	49.4	72.6	W	59.6	74.1	68.5	58.8
October 1993	76.6	69.3	67.3	77.7	W	57.2	77.0	68.9	65.0	77.6	76.2	62.6
November 1992	89.2	70.1	77.8	86.4	64.8	59.1	88.3	69.6	74.4	86.2	78.6	68.1
Hawaii												
November 1993	W	W	90.4	W	W	W	104.6	61.4	88.5	110.1	89.9	102.2
October 1993	W	W	91.6	W	W	W	104.7	71.5	90.1	110.7	92.8	101.9
November 1992	W	W	93.2	W	W	W	103.7	W	91.6	W	105.7	104.1
Nevada												
November 1993	W	66.4	61.4	W	W	53.7	75.3	63.1	59.5	85.5	69.4	58.8
October 1993	76.4	73.0	67.7	W	W	61.4	76.3	70.1	66.0	86.4	73.5	64.9
November 1992	81.6	79.6	72.4	W	W	61.5	81.6	79.1	69.3	90.5	78.8	74.3
Oregon												
November 1993	83.0	67.5	66.9	W	W	54.0	83.5	65.9	64.5	82.2	76.2	68.1
October 1993	85.0	68.5	68.2	W	W	62.2	85.3	68.1	66.9	84.4	80.8	73.0
November 1992	90.6	76.2	77.2	W	W	68.1	92.1	83.0	76.2	88.4	85.4	78.8
Washington												
November 1993	75.1	63.9	66.8	W	-	57.8	76.5	63.9	65.7	78.5	77.2	67.3
October 1993	76.2	66.5	66.9	W	-	65.1	77.8	66.5	66.7	79.4	77.4	70.9
November 1992	83.4	75.5	77.0	W	-	68.2	84.9	75.5	76.0	87.2	83.7	75.4

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 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												
November 1993	77.6	58.6	61.4	76.0	55.7	52.4	77.2	57.9	60.6	75.8	68.9	61.9
October 1993	80.7	63.2	65.1	78.4	61.5	58.2	80.3	62.8	64.5	77.9	73.2	66.1
November 1992	86.3	71.4	73.2	83.2	69.2	62.5	85.7	70.9	72.2	83.9	78.1	72.3
PAD District I Average												
November 1993	78.9	55.2	61.4	75.0	56.7	52.7	78.4	55.7	60.9	76.3	66.8	61.3
October 1993	81.4	59.1	64.3	76.6	61.9	57.4	80.8	60.2	63.9	78.0	70.7	65.3
November 1992	87.2	70.7	73.3	83.2	69.3	64.2	86.7	70.0	72.7	85.4	77.8	73.4
Subdistrict IA Average												
November 1993	82.4	60.1	62.6	-	W	W	82.4	55.6	62.2	79.6	64.7	62.2
October 1993	83.8	62.3	64.7	-	W	W	83.8	58.9	64.3	81.1	66.4	64.7
November 1992	93.6	77.4	76.0	-	W	W	93.6	69.1	75.5	91.1	75.5	75.7
Connecticut												
November 1993	W	63.2	63.6	-	W	W	W	64.0	62.9	81.9	62.8	65.7
October 1993	W	63.5	66.5	-	W	W	W	62.9	66.0	82.6	65.0	68.4
November 1992	W	82.7	78.9	-	W	W	W	80.8	78.7	92.0	76.1	79.5
Maine												
November 1993	-	W	56.2	-	-	W	-	W	56.1	82.4	71.9	61.1
October 1993	-	W	57.1	-	-	W	-	W	57.0	85.0	70.9	63.2
November 1992	-	W	69.4	-	W	W	-	W	69.2	94.6	77.5	74.2
Massachusetts												
November 1993	81.6	W	63.8	-	W	W	81.6	W	63.2	77.3	59.6	59.5
October 1993	83.3	61.2	65.9	-	W	W	83.3	57.5	65.3	78.9	63.3	61.6
November 1992	92.9	69.5	76.1	-	W	W	92.9	65.4	75.6	89.2	73.6	72.4
New Hampshire												
November 1993	80.8	-	64.4	-	W	-	80.8	W	64.4	83.2	68.3	67.4
October 1993	82.6	-	65.2	-	W	W	82.6	W	64.9	84.2	71.3	68.6
November 1992	W	-	74.8	-	W	W	W	W	74.3	92.6	73.3	78.7
Rhode Island												
November 1993	79.5	W	60.8	-	-	W	79.5	W	60.1	73.7	66.8	55.3
October 1993	80.5	W	62.0	-	-	W	80.5	W	61.7	75.4	66.0	59.1
November 1992	88.9	W	74.1	-	W	W	88.9	W	72.5	87.4	71.1	68.5
Vermont												
November 1993	-	-	65.4	-	-	W	-	-	64.6	85.6	72.5	71.4
October 1993	-	-	66.0	-	-	W	-	-	65.6	87.5	74.0	73.6
November 1992	-	-	W	-	-	W	-	-	76.1	93.5	82.1	80.3
Subdistrict IB Average												
November 1993	80.9	59.9	65.0	W	58.9	59.7	80.1	59.6	64.8	75.6	67.7	63.7
October 1993	83.2	62.2	66.6	W	66.5	61.0	82.5	64.0	66.3	77.4	70.0	66.1
November 1992	91.5	74.8	78.5	84.6	74.4	73.0	90.6	74.6	78.2	88.0	79.1	76.7
Delaware												
November 1993	W	W	60.7	-	-	50.3	W	W	59.5	NA	63.5	59.2
October 1993	W	56.3	61.7	-	W	W	W	56.6	61.0	74.0	67.8	63.5
November 1992	W	W	74.0	-	-	W	W	W	72.6	84.7	77.0	70.3
District of Columbia												
November 1993	-	W	72.3	-	-	-	-	W	72.3	W	NA	57.6
October 1993	-	W	71.2	-	-	-	-	W	71.2	W	64.3	61.4
November 1992	-	W	83.2	-	-	-	-	W	83.2	W	69.3	73.9
Maryland												
November 1993	-	57.3	66.3	W	-	67.9	W	57.3	66.5	75.5	69.0	61.6
October 1993	-	57.1	65.9	W	-	W	W	57.1	65.6	76.4	72.1	63.4
November 1992	-	74.0	78.1	-	-	80.1	-	74.0	78.3	89.3	80.5	75.3
New Jersey												
November 1993	89.8	58.8	67.8	-	W	52.2	89.8	57.8	67.4	83.6	67.1	67.3
October 1993	89.9	65.7	69.8	-	W	56.5	89.9	60.7	69.5	84.9	71.4	68.6
November 1992	100.2	72.3	84.0	W	W	67.9	99.9	71.5	83.6	96.1	80.9	84.4
New York												
November 1993	80.6	67.6	68.0	W	W	W	78.6	63.9	67.8	80.4	63.4	63.9
October 1993	83.3	71.9	70.5	W	W	W	81.3	66.9	70.4	82.1	66.1	68.2
November 1992	89.9	85.9	79.9	W	W	W	88.0	76.6	79.7	90.0	76.3	78.2
Pennsylvania												
November 1993	76.6	60.1	59.5	W	NA	53.5	76.9	62.3	59.3	72.1	71.1	64.1
October 1993	79.9	61.5	61.6	W	74.1	58.0	80.2	70.4	61.4	74.2	72.1	66.1
November 1992	88.1	71.5	73.5	W	W	65.4	88.1	76.3	73.3	84.5	80.4	74.8

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												
November 1993	77.6	53.2	58.3	75.2	56.9	49.8	77.2	54.3	57.8	75.8	66.5	60.1
October 1993	80.2	57.6	62.4	75.8	60.7	55.3	79.6	58.6	62.0	77.5	73.2	65.1
November 1992	84.6	67.1	68.8	82.6	67.1	61.0	84.4	67.1	68.1	83.3	77.4	71.2
Florida												
November 1993	79.5	52.0	62.5	W	W	50.4	79.2	53.5	61.2	78.3	NA	57.7
October 1993	82.5	56.8	66.4	W	W	56.3	82.0	58.1	65.6	80.7	72.4	65.2
November 1992	86.2	65.8	71.0	82.8	W	61.3	86.0	65.7	69.7	87.4	77.7	71.6
Georgia												
November 1993	73.7	52.9	55.0	71.9	W	48.9	73.6	52.8	54.7	74.5	65.4	57.2
October 1993	76.6	57.0	60.4	74.1	-	54.6	76.4	57.0	60.1	76.6	72.3	62.3
November 1992	79.8	66.1	66.7	76.8	-	60.5	79.6	66.1	66.1	82.1	76.0	70.8
North Carolina												
November 1993	73.8	53.0	53.8	W	W	49.8	73.2	52.7	53.8	72.3	NA	62.0
October 1993	76.5	W	58.5	W	-	54.8	75.3	W	58.5	73.5	68.0	65.4
November 1992	83.3	65.8	66.6	W	-	61.0	83.4	65.8	66.3	80.7	76.0	70.9
South Carolina												
November 1993	68.7	53.8	53.1	W	-	48.4	68.7	53.8	52.8	75.0	NA	58.8
October 1993	73.2	58.3	58.6	W	-	54.1	73.0	58.3	58.3	NA	NA	63.6
November 1992	77.9	W	65.1	W	-	60.2	77.9	W	64.8	81.3	71.2	68.0
Virginia												
November 1993	86.8	54.2	60.8	W	W	49.0	83.1	54.9	60.2	77.1	67.5	63.6
October 1993	85.3	57.4	63.3	W	W	54.0	81.8	58.2	62.8	77.7	73.3	68.1
November 1992	92.0	66.9	70.8	W	W	61.0	88.5	66.5	70.2	83.4	81.5	73.8
West Virginia												
November 1993	87.2	W	58.7	W	W	W	85.7	W	58.3	76.5	67.9	67.2
October 1993	88.9	71.2	62.1	W	W	W	87.2	70.8	61.7	78.0	69.5	72.3
November 1992	91.0	78.4	70.5	W	W	W	89.7	77.6	70.3	87.7	77.1	76.2
PAD District II Average												
November 1993	73.5	61.0	58.2	74.4	61.2	52.8	73.6	61.0	57.9	73.4	70.5	61.6
October 1993	78.1	65.2	60.0	75.6	67.8	58.7	77.7	65.3	62.9	76.0	74.5	66.6
November 1992	83.0	73.4	68.0	80.9	78.0	62.4	82.6	73.5	69.3	80.9	79.6	70.5
Illinois												
November 1993	73.5	W	W	W	-	53.3	73.6	W	61.8	73.0	69.2	63.2
October 1993	76.5	W	W	W	-	59.0	75.6	W	65.6	74.4	75.4	67.3
November 1992	85.4	W	73.0	W	-	63.9	84.7	W	73.6	82.2	78.9	73.8
Indiana												
November 1993	69.7	62.8	57.6	W	W	52.9	69.6	61.7	57.2	71.4	69.1	62.3
October 1993	73.6	W	62.2	W	-	58.2	73.1	W	61.8	73.7	73.8	66.0
November 1992	78.7	W	68.5	W	-	W	78.5	W	68.1	80.7	77.6	67.2
Iowa												
November 1993	W	-	60.3	W	-	W	W	-	60.2	76.0	70.3	63.9
October 1993	W	-	67.1	W	-	W	W	-	67.1	78.7	77.2	70.4
November 1992	-	-	68.1	78.8	-	W	78.8	-	68.1	81.8	84.4	70.8
Kansas												
November 1993	73.0	-	61.7	73.9	-	55.7	73.1	-	61.4	75.2	71.5	63.3
October 1993	80.2	W	68.9	79.0	-	64.6	80.0	W	68.7	79.2	NA	71.6
November 1992	80.7	W	68.0	81.3	-	61.3	80.7	W	67.5	79.2	87.8	67.5
Kentucky												
November 1993	78.5	W	54.8	74.7	-	49.0	78.4	W	54.7	75.4	NA	61.2
October 1993	81.8	70.3	60.0	78.0	-	54.7	81.7	70.3	59.9	76.6	66.1	66.2
November 1992	82.6	W	67.4	80.9	-	60.6	82.5	W	67.1	80.7	77.4	72.4
Michigan												
November 1993	72.3	W	57.8	W	-	W	72.8	W	57.5	72.8	70.9	58.7
October 1993	75.8	W	63.0	W	W	W	76.0	66.3	62.7	75.5	73.8	64.9
November 1992	79.5	W	68.4	W	-	W	79.7	W	68.2	79.4	78.4	70.0
Minnesota												
November 1993	86.2	W	70.0	85.6	-	NA	86.1	W	68.5	80.5	78.5	62.9
October 1993	86.8	W	75.5	86.2	-	W	86.7	W	73.7	84.0	82.4	67.0
November 1992	85.7	W	79.6	87.8	-	W	86.1	W	79.5	86.3	85.8	69.1
Missouri												
November 1993	74.0	-	59.0	72.8	-	50.9	73.5	-	58.6	70.5	NA	59.3
October 1993	78.9	W	65.7	75.8	-	55.7	77.9	W	65.1	73.9	72.6	66.1
November 1992	82.2	W	68.8	80.1	-	61.4	81.6	W	68.3	76.5	80.9	70.1

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												
November 1993	W	-	-	W	-	W	78.3	-	W	77.9	63.3	62.5
October 1993	W	-	-	W	-	W	78.7	-	W	80.8	69.4	70.3
November 1992	W	-	W	W	-	W	79.5	-	W	88.1	W	72.2
North Dakota												
November 1993	W	-	W	-	-	-	W	-	W	89.0	82.6	66.6
October 1993	W	-	W	-	-	-	W	-	W	89.8	NA	73.6
November 1992	91.6	-	W	-	-	-	91.6	-	W	93.4	88.0	74.5
Ohio												
November 1993	71.3	W	59.0	73.0	W	W	71.4	61.1	58.8	69.8	71.1	60.7
October 1993	77.9	W	63.9	72.2	W	W	77.6	64.9	63.6	72.3	74.6	64.1
November 1992	84.9	74.6	73.3	82.0	W	64.1	84.8	74.9	72.8	82.5	77.9	69.2
Oklahoma												
November 1993	71.6	W	53.6	73.0	W	52.3	72.0	W	53.4	69.2	66.5	63.2
October 1993	77.9	W	62.9	75.1	W	62.6	77.2	W	62.8	74.4	67.4	65.8
November 1992	77.4	W	62.0	77.2	W	61.8	77.3	60.3	62.0	77.2	75.1	67.4
South Dakota												
November 1993	W	-	W	W	-	W	W	-	W	77.9	77.6	70.1
October 1993	W	-	W	W	-	-	W	-	W	83.2	84.3	75.1
November 1992	W	-	W	-	-	-	W	-	W	83.1	89.2	68.4
Tennessee												
November 1993	76.5	53.4	54.5	W	W	49.9	75.7	52.9	54.2	73.2	NA	60.4
October 1993	80.1	58.0	59.4	W	W	55.3	78.9	57.7	59.2	75.7	63.4	65.1
November 1992	83.2	67.9	65.6	W	W	60.6	82.9	66.5	65.0	80.0	72.2	69.9
Wisconsin												
November 1993	74.4	-	58.0	W	-	W	74.7	-	57.5	74.2	72.7	59.2
October 1993	78.3	-	63.5	W	-	58.3	77.8	-	62.5	77.8	77.3	66.4
November 1992	80.1	-	68.5	78.9	-	W	79.8	-	68.1	84.2	82.2	70.3
PAD District III Average												
November 1993	78.6	51.9	55.6	74.4	48.6	50.8	77.1	50.6	54.6	75.4	65.3	61.2
October 1993	81.3	55.6	60.0	77.1	54.2	55.8	80.0	55.2	59.1	77.6	69.7	64.0
November 1992	85.8	63.8	66.0	83.3	60.7	60.5	85.0	63.3	64.8	82.0	72.6	71.2
Alabama												
November 1993	74.4	51.1	54.0	69.3	W	49.4	73.4	51.0	53.6	74.3	NA	64.4
October 1993	80.1	55.0	58.7	72.5	W	54.7	78.7	54.9	58.3	78.2	70.9	68.6
November 1992	84.0	63.6	65.5	83.3	W	60.8	83.8	63.5	64.9	84.4	76.5	76.1
Arkansas												
November 1993	77.4	-	53.8	W	-	50.5	77.2	-	52.9	75.6	66.3	NA
October 1993	80.1	-	59.2	W	W	56.5	80.0	W	58.5	77.5	68.0	61.3
November 1992	87.4	-	64.3	W	W	60.3	84.1	W	63.3	78.1	71.2	64.4
Louisiana												
November 1993	83.1	W	57.5	77.7	W	49.8	82.0	W	56.2	78.3	69.0	63.3
October 1993	84.3	W	61.0	79.7	-	55.0	83.6	W	60.0	79.3	74.0	65.9
November 1992	87.2	W	67.0	86.1	W	60.2	87.0	W	65.4	82.5	83.5	76.8
Mississippi												
November 1993	73.0	W	52.8	74.9	50.7	49.1	73.7	52.3	52.1	75.6	65.1	61.5
October 1993	79.1	56.1	57.7	76.8	54.3	54.4	78.3	55.9	57.1	76.6	67.2	65.3
November 1992	82.4	64.4	64.6	83.6	60.8	60.5	82.9	63.8	W	81.5	77.3	69.1
New Mexico												
November 1993	93.9	W	72.9	-	-	64.2	93.9	W	68.6	83.7	NA	67.5
October 1993	W	-	77.3	-	-	69.9	W	-	75.4	86.8	NA	75.4
November 1992	W	-	73.8	-	-	73.5	W	-	73.7	88.9	NA	75.2
Texas												
November 1993	78.1	54.1	56.0	74.1	48.4	50.6	76.6	49.2	54.7	74.0	62.3	60.3
October 1993	80.7	W	60.3	76.8	54.2	55.8	79.5	55.2	59.2	76.4	67.5	63.1
November 1992	85.5	63.6	66.2	83.1	W	60.4	84.7	62.8	64.8	81.7	70.5	70.4
PAD District IV Average												
November 1993	87.0	W	68.9	90.9	-	64.0	88.4	W	68.5	85.3	74.8	68.5
October 1993	86.5	W	71.2	W	-	69.1	88.0	W	71.1	86.3	73.3	72.6
November 1992	89.5	-	76.6	W	-	68.1	90.9	-	74.1	87.3	80.7	73.5

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												
November 1993	91.6	-	69.6	W	-	63.6	91.4	-	69.0	91.6	70.2	67.4
October 1993	89.1	-	72.1	W	-	68.5	89.9	-	71.8	89.5	72.3	NA
November 1992	91.9	-	77.8	W	-	67.8	92.8	-	74.2	89.0	78.0	71.3
Idaho												
November 1993	-	W	W	-	-	-	-	W	W	94.5	W	69.3
October 1993	-	-	W	-	-	-	-	-	W	NA	W	70.2
November 1992	-	-	-	-	-	-	-	-	-	W	87.5	W
Montana												
November 1993	-	-	-	-	-	-	-	-	-	84.4	W	W
October 1993	-	-	-	-	-	-	-	-	-	W	W	W
November 1992	-	-	-	-	-	-	-	-	-	W	W	-
Utah												
November 1993	75.7	-	67.6	W	-	67.3	75.7	-	67.6	76.1	78.9	70.1
October 1993	80.1	W	70.0	W	-	71.7	80.1	W	70.1	79.3	W	73.5
November 1992	83.1	-	W	-	-	W	83.1	-	W	82.1	W	77.3
Wyoming												
November 1993	-	-	W	W	-	-	W	-	W	86.0	-	68.8
October 1993	-	-	W	W	-	-	W	-	W	88.0	-	W
November 1992	-	-	W	-	-	-	-	-	W	W	-	W
PAD District V Average												
November 1993	82.4	67.2	70.2	76.0	57.9	53.9	80.7	65.9	68.4	84.4	75.8	68.6
October 1993	84.8	73.5	74.3	82.2	W	61.9	84.1	73.7	72.5	87.6	78.9	74.1
November 1992	95.6	74.4	85.1	85.3	W	63.2	93.9	74.7	83.7	93.5	84.8	75.8
Alaska												
November 1993	-	-	-	-	-	-	-	-	-	-	W	W
October 1993	-	-	-	-	-	-	-	-	-	-	-	-
November 1992	-	-	-	-	-	-	-	-	-	-	-	-
Arizona												
November 1993	84.1	-	68.3	-	W	69.5	84.1	W	68.4	90.9	NA	67.7
October 1993	85.2	-	73.0	-	-	W	85.2	-	73.2	93.2	NA	80.2
November 1992	91.4	-	78.9	-	-	W	91.4	-	79.0	92.4	-	77.7
California												
November 1993	82.1	68.2	69.8	75.3	W	53.5	80.3	68.1	67.9	81.5	75.5	68.8
October 1993	84.6	72.9	73.9	81.6	-	61.9	83.8	72.9	72.1	86.0	79.2	74.2
November 1992	95.6	74.6	85.3	84.4	-	63.1	93.8	74.6	83.7	93.4	84.5	75.8
Hawaii												
November 1993	W	W	95.3	W	W	W	110.9	W	95.2	111.4	NA	W
October 1993	W	W	97.0	W	W	W	110.1	W	96.8	112.5	NA	W
November 1992	W	W	98.8	W	W	W	116.9	W	98.7	W	W	W
Nevada												
November 1993	W	W	67.9	W	-	-	71.4	W	67.9	87.2	81.6	65.8
October 1993	69.9	-	72.4	W	-	-	71.7	-	72.4	88.3	NA	73.5
November 1992	W	W	75.9	W	-	W	NA	W	75.8	92.3	W	81.2
Oregon												
November 1993	W	-	-	-	-	-	W	-	-	82.4	W	W
October 1993	W	-	-	-	-	-	W	-	-	83.1	W	W
November 1992	W	-	W	-	-	-	W	-	W	-	-	-
Washington												
November 1993	-	-	W	-	-	W	-	-	69.9	W	NA	W
October 1993	W	W	W	-	-	-	W	W	W	W	NA	72.9
November 1992	W	-	W	-	-	-	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												
November 1993	87.6	64.9	68.4	82.7	63.0	55.0	86.5	64.3	66.4	84.3	75.2	66.0
October 1993	90.6	68.7	72.6	86.1	68.7	61.7	89.7	68.7	71.2	86.8	78.8	71.0
November 1992	95.9	76.9	80.5	92.5	75.4	66.9	95.2	76.5	78.9	92.5	84.4	77.4
PAD District I Average												
November 1993	88.9	60.6	69.0	82.2	61.6	55.8	88.1	61.0	68.1	85.5	73.2	66.0
October 1993	91.2	64.1	72.3	83.9	64.4	60.6	90.3	64.2	71.4	87.5	75.3	70.4
November 1992	96.6	75.2	80.8	90.7	73.5	68.0	95.9	74.4	79.9	94.9	84.8	79.8
Subdistrict 1A Average												
November 1993	94.2	62.1	68.0	-	W	W	94.2	57.8	67.5	87.6	69.8	66.4
October 1993	95.1	64.0	70.9	-	W	W	95.1	62.3	70.4	89.5	70.7	70.5
November 1992	103.1	78.1	80.9	-	W	67.7	103.1	71.6	80.4	99.4	81.1	82.8
Connecticut												
November 1993	W	W	70.9	-	-	W	W	W	70.4	91.6	71.3	72.9
October 1993	W	W	71.4	-	W	W	W	61.9	71.1	92.3	72.1	75.7
November 1992	W	80.4	81.2	-	W	W	W	78.1	81.1	102.2	82.9	88.5
Maine												
November 1993	-	W	63.2	-	-	W	-	W	63.0	89.3	71.1	67.6
October 1993	-	W	62.9	-	-	W	-	W	62.8	92.9	75.0	69.7
November 1992	-	W	74.0	-	W	W	-	W	73.8	100.5	86.2	79.2
Massachusetts												
November 1993	93.0	W	66.7	-	W	W	93.0	W	66.2	85.4	66.9	61.9
October 1993	94.4	66.8	72.7	-	W	W	94.4	W	72.0	87.5	66.5	67.4
November 1992	102.5	W	81.5	-	W	W	102.5	69.9	81.1	97.6	77.1	79.9
New Hampshire												
November 1993	92.8	-	72.5	-	W	-	92.8	W	72.5	90.5	78.0	73.9
October 1993	93.6	-	73.8	-	W	W	93.6	W	72.5	92.1	78.8	75.9
November 1992	W	-	83.7	-	W	W	W	W	81.8	100.9	88.3	86.0
Rhode Island												
November 1993	88.9	W	68.6	-	W	W	88.9	55.8	67.7	79.9	76.2	57.5
October 1993	89.8	W	70.1	-	W	W	89.8	63.7	69.5	81.4	78.6	61.6
November 1992	97.2	W	81.6	-	-	W	97.2	W	79.6	94.4	76.6	73.6
Vermont												
November 1993	-	-	71.5	-	-	W	-	-	69.9	93.1	79.7	76.2
October 1993	-	-	72.1	-	-	W	-	-	71.2	95.2	79.4	80.0
November 1992	-	-	W	-	-	W	-	-	81.9	100.5	85.9	88.2
Subdistrict 1B Average												
November 1993	91.1	64.1	72.3	84.1	66.5	58.7	90.3	65.3	71.5	85.0	75.2	66.3
October 1993	93.1	66.7	74.6	86.8	66.3	62.9	92.4	66.5	73.9	86.7	76.8	69.7
November 1992	101.7	81.1	84.7	93.6	78.2	71.7	100.8	79.4	83.8	96.9	85.7	81.1
Delaware												
November 1993	W	W	68.5	-	-	53.3	W	W	67.9	NA	74.6	63.9
October 1993	W	W	68.5	-	-	59.0	W	W	69.3	82.2	79.0	68.4
November 1992	W	W	81.2	-	-	W	W	W	79.6	95.0	84.8	75.5
District of Columbia												
November 1993	-	W	80.1	-	-	W	-	W	80.1	W	W	59.9
October 1993	-	W	78.8	-	-	-	-	W	78.8	W	W	64.4
November 1992	-	W	92.0	-	-	-	-	W	92.0	W	77.1	74.1
Maryland												
November 1993	-	63.0	73.4	W	W	73.8	W	63.0	73.4	81.6	76.4	65.4
October 1993	-	63.4	72.8	W	W	71.0	W	63.4	72.6	82.6	77.2	67.8
November 1992	-	78.9	83.7	-	W	86.9	-	78.8	84.0	96.4	86.3	80.8
New Jersey												
November 1993	98.0	65.5	71.5	W	W	54.5	97.6	63.6	70.7	90.6	76.6	64.3
October 1993	98.7	68.0	74.4	W	W	59.2	98.3	64.6	73.7	91.8	78.0	67.5
November 1992	108.9	86.8	85.6	-	W	71.2	108.9	80.2	85.0	103.1	87.1	83.2
New York												
November 1993	90.9	64.3	78.6	W	W	55.3	89.3	63.2	76.9	90.4	70.2	66.0
October 1993	93.4	69.8	80.7	W	W	61.5	91.9	66.1	79.4	91.7	73.1	71.1
November 1992	99.7	83.5	87.9	W	W	69.3	98.3	79.3	86.8	99.0	82.5	81.9
Pennsylvania												
November 1993	85.4	67.4	64.8	87.2	75.3	58.1	85.7	72.7	64.4	79.9	79.5	68.4
October 1993	88.2	70.1	68.1	90.5	76.7	62.1	88.5	73.9	67.7	81.9	79.7	70.9
November 1992	97.3	81.7	79.2	97.9	79.6	67.0	97.4	80.3	78.1	92.1	88.9	79.6

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	
Subdistrict IC Average												
November 1993	87.1	59.0	65.7	81.2	58.8	54.0	86.3	59.0	64.6	85.2	72.5	65.7
October 1993	89.5	62.9	70.0	82.3	63.6	59.2	88.5	63.1	68.9	87.4	75.3	70.9
November 1992	93.1	72.1	76.1	89.4	69.3	65.3	92.6	71.2	75.0	93.2	84.6	77.7
Florida												
November 1993	88.7	W	71.1	83.2	W	55.2	88.3	57.6	69.8	87.6	NA	66.5
October 1993	91.0	W	75.3	84.4	W	60.8	90.5	61.7	74.2	89.7	77.0	72.2
November 1992	93.6	69.8	80.4	90.6	W	66.0	93.4	69.1	79.0	96.2	87.5	79.8
Georgia												
November 1993	82.5	57.5	61.3	76.8	W	53.6	81.9	57.4	60.4	84.2	71.3	63.4
October 1993	85.8	61.8	66.9	79.6	-	59.1	85.2	61.8	65.9	87.9	NA	68.9
November 1992	88.9	70.0	73.3	83.3	-	64.9	88.3	70.0	72.4	93.9	80.1	78.6
North Carolina												
November 1993	83.3	W	59.9	W	W	53.1	81.7	56.4	59.2	82.5	70.0	65.6
October 1993	86.5	61.8	64.6	W	-	58.1	84.3	61.8	63.9	83.7	71.1	70.6
November 1992	91.5	75.4	71.5	W	-	64.8	91.5	75.4	70.9	90.2	81.7	76.5
South Carolina												
November 1993	78.6	59.3	59.2	W	-	52.7	78.3	59.3	58.6	85.3	NA	65.4
October 1993	83.4	63.0	64.6	W	-	58.1	82.8	63.0	64.0	87.6	80.0	69.3
November 1992	88.1	71.5	71.2	W	-	64.5	87.9	71.5	70.5	92.2	79.7	73.3
Virginia												
November 1993	94.6	60.0	67.3	W	55.6	53.4	90.4	59.2	66.2	85.8	73.1	66.8
October 1993	93.3	63.0	70.1	W	60.6	58.1	89.3	62.6	69.0	87.2	75.3	72.6
November 1992	100.5	75.4	76.5	W	W	64.6	96.6	73.2	75.1	93.2	87.8	78.5
West Virginia												
November 1993	94.3	71.7	65.2	90.3	W	58.2	92.9	71.2	64.5	82.8	75.4	72.0
October 1993	96.0	75.5	69.1	91.7	W	61.7	94.5	75.3	68.1	85.5	78.6	77.7
November 1992	99.7	80.6	76.3	95.0	W	70.4	98.0	81.4	75.6	93.9	83.4	82.8
PAD District II Average												
November 1993	81.6	66.3	62.7	76.4	60.7	55.7	80.0	65.9	61.6	79.5	72.9	64.8
October 1993	86.3	70.2	68.4	79.7	67.4	62.8	84.6	69.9	67.5	82.7	77.3	71.0
November 1992	90.6	76.8	73.6	86.2	69.5	65.4	89.5	76.4	72.3	87.0	84.2	73.5
Illinois												
November 1993	81.9	72.0	65.8	W	-	53.2	79.3	72.0	64.2	80.2	72.1	65.2
October 1993	84.8	74.2	70.5	W	-	58.9	81.6	74.2	68.9	82.0	76.4	70.9
November 1992	93.6	74.3	77.7	W	-	63.6	92.2	74.3	75.7	88.8	81.2	71.1
Indiana												
November 1993	75.3	63.6	62.4	W	W	53.4	74.3	61.1	60.9	78.5	76.5	67.3
October 1993	79.6	66.2	67.5	W	W	58.6	78.4	63.6	65.8	81.2	80.5	69.1
November 1992	85.0	W	73.6	W	W	65.2	84.3	W	72.4	85.5	85.0	74.4
Iowa												
November 1993	80.4	-	63.9	75.0	-	57.3	76.7	-	62.5	77.8	NA	65.0
October 1993	86.5	-	72.8	80.8	-	66.7	82.6	-	71.5	82.8	80.2	74.0
November 1992	86.0	-	68.8	83.9	-	65.7	84.5	-	68.2	83.5	89.2	73.9
Kansas												
November 1993	82.6	W	61.4	77.2	W	56.8	79.6	W	59.3	80.8	77.0	61.9
October 1993	90.0	W	70.9	82.2	W	66.1	85.8	W	68.6	85.1	79.4	70.4
November 1992	91.0	W	69.4	81.3	W	64.5	85.6	W	66.8	85.7	82.7	69.5
Kentucky												
November 1993	86.5	65.8	61.5	78.4	-	57.3	86.1	65.8	61.3	83.0	71.6	66.8
October 1993	89.7	69.5	66.2	80.0	-	61.7	89.2	69.5	66.0	84.6	78.3	72.6
November 1992	90.0	81.8	73.6	81.7	-	68.2	89.1	81.8	73.2	88.3	83.8	77.3
Michigan												
November 1993	80.1	67.6	62.7	W	-	56.2	77.9	67.6	61.9	79.8	72.4	62.8
October 1993	84.3	69.5	68.3	W	W	62.1	83.4	69.5	67.6	82.0	75.5	68.7
November 1992	87.6	76.3	73.9	W	-	68.6	87.3	76.3	73.3	87.4	86.9	75.0
Minnesota												
November 1993	93.1	W	69.3	90.1	-	59.8	92.3	W	65.2	86.9	NA	67.5
October 1993	93.0	W	76.9	91.4	W	68.8	92.7	66.5	73.7	88.3	83.2	NA
November 1992	92.1	W	77.6	93.6	W	66.2	92.5	74.6	73.2	91.2	91.0	73.2
Missouri												
November 1993	83.8	60.7	61.7	78.3	W	55.4	81.2	60.6	60.3	75.8	NA	62.2
October 1993	88.8	67.6	69.4	82.0	-	63.9	85.8	67.6	67.8	80.1	75.7	69.2
November 1992	91.2	W	71.3	85.0	W	64.9	88.7	W	69.8	82.2	90.7	70.6

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	
Nebraska												
November 1993	W	-	64.4	80.0	W	58.2	84.2	W	62.8	81.0	72.2	60.8
October 1993	W	-	73.3	81.7	W	67.9	86.3	W	72.0	82.6	75.9	70.2
November 1992	W	-	72.3	87.1	W	65.8	91.2	W	70.8	85.4	NA	70.5
North Dakota												
November 1993	92.7	-	71.7	-	-	62.0	92.7	-	68.3	92.4	91.1	66.4
October 1993	98.0	-	79.6	W	-	71.7	97.3	-	77.0	94.8	93.1	76.5
November 1992	93.1	-	77.2	W	-	68.3	92.7	-	74.9	94.8	89.3	81.2
Ohio												
November 1993	79.8	W	63.9	W	W	56.0	78.4	69.3	63.5	75.9	74.7	64.7
October 1993	86.6	73.7	69.7	W	W	61.5	85.2	73.8	69.2	79.8	76.5	70.5
November 1992	92.1	80.9	76.8	W	W	67.2	91.7	81.1	76.3	89.4	80.8	73.4
Oklahoma												
November 1993	79.9	60.0	56.7	78.8	W	54.8	79.6	59.0	56.0	72.2	69.0	62.8
October 1993	86.1	W	64.1	81.2	W	64.4	84.7	66.7	64.2	80.0	72.5	70.8
November 1992	84.4	67.5	65.3	82.1	W	63.8	83.8	67.3	64.9	80.2	76.9	70.9
South Dakota												
November 1993	W	-	69.5	W	W	67.4	87.8	W	68.9	92.4	83.5	73.0
October 1993	W	-	77.5	W	W	72.9	87.3	W	75.8	93.3	85.3	78.0
November 1992	W	-	74.0	W	-	70.9	W	-	72.9	94.1	95.0	72.4
Tennessee												
November 1993	85.6	57.2	60.2	82.0	W	52.9	84.4	56.7	59.3	82.2	NA	67.6
October 1993	89.3	60.8	65.2	83.0	W	58.1	87.3	60.3	64.3	84.6	69.2	72.6
November 1992	92.3	69.3	71.4	89.5	W	64.6	91.4	68.1	70.5	88.5	77.5	76.5
Wisconsin												
November 1993	80.0	62.3	61.9	W	-	56.8	80.6	62.3	60.9	79.7	68.0	63.1
October 1993	83.7	68.7	67.8	W	W	63.4	83.1	67.5	66.9	83.4	NA	69.5
November 1992	87.3	W	72.4	W	-	67.1	86.7	W	71.3	88.8	90.2	72.3
PAD District III Average												
November 1993	86.5	59.7	60.2	83.9	53.6	51.2	85.7	58.2	57.0	83.1	70.7	63.3
October 1993	88.9	63.1	65.3	86.3	61.0	57.9	88.2	62.7	63.2	85.6	74.5	67.8
November 1992	93.1	70.9	71.1	92.1	66.5	63.6	92.8	70.5	69.3	89.9	78.7	74.5
Alabama												
November 1993	84.0	58.1	59.6	73.4	W	52.7	81.2	57.6	58.6	83.7	67.7	69.5
October 1993	89.6	60.5	64.6	77.3	W	58.3	86.6	60.2	63.7	88.0	73.0	75.1
November 1992	93.2	70.4	71.3	89.6	W	64.8	92.5	68.7	70.4	92.3	83.4	83.4
Arkansas												
November 1993	88.0	-	59.4	W	-	54.7	84.6	-	57.8	83.7	69.7	65.0
October 1993	90.2	-	65.2	W	W	60.7	87.2	W	63.7	85.5	71.0	66.1
November 1992	94.2	-	69.5	W	-	64.1	90.9	-	67.8	86.2	78.1	69.1
Louisiana												
November 1993	90.1	W	63.4	88.1	W	51.2	89.9	55.6	60.3	86.1	73.9	66.9
October 1993	91.0	59.4	67.3	90.6	W	57.3	91.0	61.3	64.9	87.2	77.5	67.1
November 1992	94.1	69.2	72.3	94.7	NA	63.6	94.2	70.0	70.4	89.3	80.5	82.5
Mississippi												
November 1993	82.3	57.3	52.3	80.0	51.7	50.8	81.3	56.2	51.8	82.2	71.9	55.1
October 1993	88.7	61.7	60.1	83.2	W	57.5	86.4	60.9	59.5	84.2	76.0	66.6
November 1992	90.7	70.0	66.9	88.8	65.9	64.5	89.8	68.6	66.4	89.4	83.5	74.7
New Mexico												
November 1993	103.2	-	73.4	101.2	-	70.5	101.7	-	72.6	91.0	81.0	74.1
October 1993	102.4	W	78.9	W	-	76.2	102.8	W	78.2	93.8	85.7	81.9
November 1992	106.5	W	79.6	101.9	-	75.7	103.4	W	78.7	98.0	89.0	84.4
Texas												
November 1993	85.9	62.6	61.0	83.3	W	50.3	85.1	59.3	56.3	80.8	68.7	62.7
October 1993	88.3	65.3	65.5	85.6	60.0	57.1	87.6	63.9	62.6	83.1	72.8	66.5
November 1992	92.8	70.9	71.5	91.7	65.4	62.7	92.5	70.6	69.0	89.7	73.5	71.5
PAD District IV Average												
November 1993	93.2	W	74.9	99.2	W	69.0	95.2	73.4	72.7	89.2	NA	75.2
October 1993	94.1	72.1	76.3	99.3	W	73.6	95.8	73.4	75.5	90.0	83.9	79.5
November 1992	96.8	77.3	78.5	102.3	W	74.0	98.4	76.4	76.9	94.7	85.8	79.0

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												
November 1993	101.7	-	73.9	101.0	W	65.4	101.4	W	69.5	96.8	80.4	71.7
October 1993	98.9	73.5	76.6	100.8	W	71.0	99.7	71.7	74.7	95.2	82.4	77.1
November 1992	101.3	W	78.4	103.6	W	71.9	102.1	74.9	75.7	96.7	82.2	77.5
Idaho												
November 1993	-	W	77.0	W	-	75.4	W	W	76.6	83.8	88.4	78.9
October 1993	-	W	77.7	W	-	76.4	W	W	77.4	84.5	89.0	83.4
November 1992	-	W	82.8	W	-	79.8	W	W	82.2	93.4	90.9	83.5
Montana												
November 1993	-	W	78.5	W	-	77.4	W	W	78.2	94.3	91.3	79.3
October 1993	-	-	79.2	W	W	78.4	W	W	79.0	94.4	94.2	81.5
November 1992	W	-	74.3	W	W	74.9	W	W	74.5	97.2	96.2	75.8
Utah												
November 1993	81.6	W	73.2	W	W	71.3	81.8	W	72.7	84.7	NA	75.6
October 1993	86.8	W	73.9	W	W	72.7	86.9	W	73.6	86.2	80.5	78.7
November 1992	88.3	W	79.1	W	W	76.7	88.3	77.5	78.4	91.0	86.4	82.1
Wyoming												
November 1993	W	-	75.6	W	W	72.3	89.0	W	W	93.6	87.3	77.1
October 1993	W	-	77.8	W	W	75.5	90.0	W	W	94.7	88.4	84.8
November 1992	W	W	74.3	W	W	72.7	95.0	W	73.6	100.1	95.8	78.8
PAD District V Average												
November 1993	95.2	75.6	78.7	93.9	74.0	59.5	94.9	75.1	77.0	97.9	84.3	74.3
October 1993	98.1	81.1	83.1	98.4	82.0	66.6	98.2	81.5	81.5	100.2	90.6	79.1
November 1992	106.3	83.3	93.1	103.7	88.6	72.4	105.7	84.5	91.6	103.5	92.2	85.1
Alaska												
November 1993	W	W	86.0	111.8	W	W	109.9	W	85.0	NA	111.0	97.4
October 1993	W	W	86.5	111.8	W	W	109.9	W	85.0	NA	NA	NA
November 1992	W	W	103.5	126.7	W	W	125.5	W	101.5	129.3	114.7	108.3
Arizona												
November 1993	103.3	W	86.1	W	W	66.8	103.1	79.9	85.2	100.2	73.5	81.9
October 1993	103.6	W	88.6	W	-	72.1	103.4	W	W	101.0	82.4	88.8
November 1992	103.8	W	87.8	W	W	79.3	103.8	W	87.5	103.3	94.1	90.2
California												
November 1993	92.6	77.6	77.5	88.7	-	57.7	91.7	77.6	75.4	90.8	82.6	70.5
October 1993	96.5	80.7	82.3	94.6	W	64.6	96.1	80.8	80.4	95.2	89.8	74.6
November 1992	107.4	83.5	93.8	100.8	W	70.8	105.6	83.4	92.1	101.6	90.4	82.5
Hawaii												
November 1993	W	W	103.0	W	W	W	121.1	W	101.8	130.7	108.4	114.4
October 1993	W	W	104.5	W	W	W	119.4	W	103.6	129.8	113.6	115.7
November 1992	W	W	106.1	W	W	W	119.5	84.1	105.2	W	124.6	117.3
Nevada												
November 1993	W	-	73.3	W	W	61.8	91.8	W	72.1	101.5	NA	69.1
October 1993	93.6	W	79.9	W	W	70.0	93.7	W	78.8	104.5	82.6	78.8
November 1992	98.0	W	83.8	W	-	70.5	98.1	W	82.3	108.0	88.6	86.5
Oregon												
November 1993	102.3	W	78.4	W	W	66.4	102.3	W	77.7	97.8	88.7	81.0
October 1993	103.2	W	82.1	W	-	75.8	103.1	W	81.7	99.4	93.3	87.1
November 1992	107.0	-	91.0	W	-	80.3	107.7	-	90.5	103.5	98.8	90.1
Washington												
November 1993	95.6	-	79.9	W	-	69.0	95.7	-	79.4	95.3	80.7	80.9
October 1993	96.7	W	81.9	W	-	76.7	96.8	W	81.7	95.8	87.9	84.3
November 1992	101.8	W	90.7	W	-	79.6	102.6	W	W	102.0	93.4	88.2

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.

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						
November 1993	95.6	92.7	59.7	58.8	57.2	33.6
October 1993	98.0	94.8	61.4	60.7	55.1	34.7
November 1992	103.4	99.7	62.7	61.5	61.1	36.2
PAD District I Average						
November 1993	93.3	91.8	58.2	59.7	77.0	35.7
October 1993	96.3	93.2	60.1	61.2	72.9	37.0
November 1992	102.9	96.7	61.6	62.4	W	41.2
Subdistrict IA Average						
November 1993	W	92.1	61.1	61.7	W	38.0
October 1993	W	W	63.2	64.1	W	38.6
November 1992	W	W	64.6	65.1	W	41.3
Connecticut						
November 1993	W	92.1	61.5	W	W	38.0
October 1993	W	W	63.4	W	W	39.6
November 1992	W	-	64.6	65.2	W	42.7
Maine						
November 1993	W	-	W	W	W	37.6
October 1993	W	-	W	W	W	40.0
November 1992	W	-	W	W	W	W
Massachusetts						
November 1993	W	W	60.3	61.0	W	38.6
October 1993	W	W	62.1	63.6	W	38.3
November 1992	W	W	63.7	64.7	W	41.2
New Hampshire						
November 1993	W	W	57.8	63.2	W	W
October 1993	W	W	62.3	W	W	W
November 1992	W	W	66.8	W	W	37.1
Rhode Island						
November 1993	W	W	61.9	W	-	W
October 1993	W	W	64.1	W	-	W
November 1992	-	W	64.9	W	-	43.9
Vermont						
November 1993	W	W	68.9	W	W	38.2
October 1993	W	W	W	W	W	38.1
November 1992	W	W	W	-	W	44.0
Subdistrict IB Average						
November 1993	95.1	90.7	57.8	58.6	72.8	35.2
October 1993	W	92.9	59.6	60.0	NA	36.5
November 1992	104.8	100.5	60.9	60.8	W	40.5
Delaware						
November 1993	W	-	68.3	W	-	W
October 1993	W	W	66.6	W	-	W
November 1992	W	W	73.1	W	-	W
District of Columbia						
November 1993	-	-	W	-	-	-
October 1993	W	-	-	-	-	-
November 1992	W	-	-	-	-	-
Maryland						
November 1993	W	W	57.4	58.8	W	33.8
October 1993	W	W	59.8	61.7	W	34.4
November 1992	W	W	61.3	59.0	W	37.4
New Jersey						
November 1993	W	W	57.5	58.1	41.3	34.6
October 1993	W	W	59.3	59.6	42.0	34.9
November 1992	104.6	W	60.7	60.5	66.2	39.7
New York						
November 1993	W	92.0	62.7	62.9	W	37.2
October 1993	W	93.4	62.0	64.9	W	38.7
November 1992	W	W	66.5	66.9	W	41.3
Pennsylvania						
November 1993	W	92.4	57.3	58.3	W	34.8
October 1993	W	95.5	59.8	59.4	W	36.1
November 1992	W	W	60.5	60.4	W	40.4
Subdistrict IC Average						
November 1993	91.9	92.3	58.0	61.6	74.1	35.7
October 1993	94.5	93.1	60.0	63.3	68.0	37.1
November 1992	101.2	95.8	61.9	66.2	W	41.7

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						
November 1993	89.9	89.1	58.6	61.0	88.4	37.6
October 1993	92.6	89.5	60.6	62.9	W	38.7
November 1992	99.1	92.9	62.4	67.2	W	45.1
Georgia						
November 1993	94.1	97.2	57.5	60.4	60.5	34.3
October 1993	95.6	W	59.3	64.2	56.4	36.0
November 1992	102.0	99.2	61.3	64.9	W	39.0
North Carolina						
November 1993	W	W	56.8	61.5	67.4	35.4
October 1993	W	W	60.0	64.2	62.0	36.9
November 1992	105.7	W	61.3	70.4	W	41.7
South Carolina						
November 1993	93.3	95.2	61.9	64.7	89.5	35.0
October 1993	W	96.4	64.6	65.9	W	36.7
November 1992	W	W	65.9	W	W	40.9
Virginia						
November 1993	W	93.7	57.3	63.5	69.4	37.5
October 1993	99.9	95.0	59.5	62.2	59.8	37.6
November 1992	W	W	61.2	63.8	72.3	43.1
West Virginia						
November 1993	W	90.8	W	W	W	W
October 1993	W	93.4	W	W	W	W
November 1992	W	W	73.5	W	W	38.5
PAD District II Average						
November 1993	93.8	94.1	57.9	60.8	66.3	35.5
October 1993	95.6	93.8	59.7	62.0	66.9	36.5
November 1992	96.4	97.2	61.9	65.1	60.7	35.3
Illinois						
November 1993	W	W	57.1	60.3	68.4	35.6
October 1993	W	W	58.9	60.6	64.3	37.5
November 1992	W	W	61.4	63.2	64.3	37.8
Indiana						
November 1993	95.4	94.5	55.9	59.3	66.7	37.4
October 1993	96.3	95.1	58.3	62.7	66.9	38.2
November 1992	98.2	95.8	60.3	62.2	61.2	40.1
Iowa						
November 1993	W	94.8	62.9	67.5	W	37.6
October 1993	W	95.0	63.0	68.7	W	37.8
November 1992	W	97.9	66.7	68.2	W	35.5
Kansas						
November 1993	W	92.6	60.0	64.2	W	32.9
October 1993	W	91.7	59.1	W	W	34.3
November 1992	W	96.5	59.9	W	W	31.9
Kentucky						
November 1993	W	91.5	60.3	58.8	W	33.0
October 1993	W	92.3	62.7	62.9	W	35.6
November 1992	W	100.0	63.6	67.0	NA	38.0
Michigan						
November 1993	W	W	57.8	60.5	76.8	37.7
October 1993	W	W	60.5	62.9	80.2	37.1
November 1992	W	W	62.4	65.9	78.7	37.5
Minnesota						
November 1993	W	94.0	59.3	60.9	W	36.8
October 1993	W	90.7	59.9	62.9	W	38.0
November 1992	W	98.3	63.7	67.1	W	35.4
Missouri						
November 1993	W	94.6	58.5	62.5	W	35.8
October 1993	W	93.9	59.6	63.8	W	37.7
November 1992	W	97.6	62.8	69.1	66.3	34.9
Nebraska						
November 1993	W	93.8	60.1	68.1	W	36.6
October 1993	W	94.1	61.9	66.6	W	37.3
November 1992	W	96.1	62.6	72.6	W	35.4
North Dakota						
November 1993	W	W	66.5	72.1	W	35.6
October 1993	95.4	W	67.0	70.7	W	37.1
November 1992	W	W	67.3	71.5	W	33.3

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						
November 1993	W	96.5	59.4	62.3	70.2	34.9
October 1993	W	97.9	60.8	63.1	68.2	36.0
November 1992	W	96.5	62.6	63.8	65.4	38.2
Oklahoma						
November 1993	W	90.3	56.6	58.5	38.6	34.0
October 1993	W	89.8	59.3	58.1	NA	34.7
November 1992	W	W	61.8	62.8	51.5	34.5
South Dakota						
November 1993	W	W	70.1	W	W	37.9
October 1993	W	W	68.3	W	W	38.2
November 1992	W	W	73.7	W	W	33.3
Tennessee						
November 1993	94.1	94.8	57.3	60.7	W	36.6
October 1993	95.0	93.7	58.4	65.6	W	39.4
November 1992	W	97.2	61.5	67.0	W	42.4
Wisconsin						
November 1993	-	94.8	58.5	61.4	66.9	38.2
October 1993	-	93.9	59.8	64.4	68.9	39.1
November 1992	W	98.2	62.6	66.5	67.9	36.0
PAD District III Average						
November 1993	90.6	80.8	56.0	55.5	35.2	29.6
October 1993	92.2	85.0	57.7	57.1	34.7	30.9
November 1992	99.8	91.6	60.3	58.4	41.7	34.8
Alabama						
November 1993	W	94.6	60.4	62.4	61.2	32.8
October 1993	W	95.9	62.8	64.6	NA	34.4
November 1992	104.0	99.5	64.6	67.0	76.7	39.0
Arkansas						
November 1993	W	W	62.9	64.6	W	37.5
October 1993	W	W	64.0	66.3	W	38.7
November 1992	W	W	W	69.7	W	40.8
Louisiana						
November 1993	W	88.1	56.1	55.9	36.0	29.1
October 1993	W	87.9	57.3	56.6	34.8	30.8
November 1992	W	100.5	61.4	58.5	39.9	34.9
Mississippi						
November 1993	W	93.6	55.4	56.5	61.0	31.6
October 1993	93.7	92.7	56.4	W	W	33.9
November 1992	101.0	W	60.3	57.6	W	37.8
New Mexico						
November 1993	W	W	66.8	61.7	34.7	31.9
October 1993	W	W	64.2	64.6	W	32.3
November 1992	W	W	63.2	63.8	35.0	33.2
Texas						
November 1993	89.8	76.7	55.4	55.2	28.5	28.8
October 1993	91.3	81.4	57.6	57.0	30.1	30.1
November 1992	99.0	89.2	59.6	58.3	34.3	34.3
PAD District IV Average						
November 1993	103.0	99.3	64.6	66.5	69.5	36.4
October 1993	101.9	100.0	65.5	69.0	72.7	36.3
November 1992	107.4	104.4	66.6	70.9	74.3	33.7
Colorado						
November 1993	W	96.9	59.6	61.4	70.9	36.1
October 1993	W	96.9	60.3	62.9	66.4	36.0
November 1992	W	102.7	62.1	66.3	67.9	34.2
Idaho						
November 1993	-	W	79.1	83.5	W	W
October 1993	W	W	W	82.1	W	NA
November 1992	W	W	77.6	79.8	W	35.5
Montana						
November 1993	W	W	79.7	W	W	34.9
October 1993	W	W	76.6	W	W	37.3
November 1992	W	W	75.3	W	W	32.2

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						
November 1993	W	101.4	72.8	78.4	63.2	39.6
October 1993	NA	101.5	72.1	75.2	W	38.5
November 1992	106.6	105.1	70.9	75.1	W	34.9
Wyoming						
November 1993	W	W	82.8	W	55.4	36.8
October 1993	W	W	80.2	W	45.5	35.5
November 1992	W	W	83.2	W	NA	33.4
PAD District V Average						
November 1993	104.6	100.9	64.9	63.5	71.6	41.8
October 1993	107.6	103.3	65.1	66.4	81.7	41.1
November 1992	112.4	108.5	65.8	64.5	78.3	41.7
Alaska						
November 1993	W	W	69.3	70.5	W	W
October 1993	W	118.8	69.2	72.2	W	W
November 1992	W	W	70.9	71.1	W	W
Arizona						
November 1993	W	98.4	64.6	67.0	W	39.8
October 1993	W	98.7	68.3	69.9	W	40.7
November 1992	W	106.0	66.7	67.7	W	W
California						
November 1993	101.5	98.0	63.8	62.5	W	43.4
October 1993	105.6	100.4	63.7	65.2	W	42.9
November 1992	113.1	106.5	64.1	63.9	W	42.0
Hawaii						
November 1993	W	W	65.8	W	W	W
October 1993	W	W	67.3	W	W	W
November 1992	W	W	69.5	W	W	W
Nevada						
November 1993	W	W	65.1	67.2	W	40.5
October 1993	W	W	67.1	68.5	W	46.4
November 1992	W	W	66.2	68.4	W	38.5
Oregon						
November 1993	W	97.6	65.4	69.4	W	46.8
October 1993	W	101.3	67.1	70.5	W	42.4
November 1992	W	106.9	66.1	68.6	W	42.5
Washington						
November 1993	108.9	98.9	65.2	68.4	W	34.5
October 1993	107.2	W	64.9	69.2	W	33.9
November 1992	W	W	65.2	65.5	W	32.7

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 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						
November 1993	79.5	82.4	74.6	71.0	62.4	57.5
October 1993	75.5	85.6	76.4	75.7	66.6	63.8
November 1992	83.3	64.5	72.0	68.7	64.5	59.6
PAD District I Average						
November 1993	75.5	61.6	74.1	62.2	60.3	54.2
October 1993	71.4	64.5	80.0	65.3	62.8	57.8
November 1992	79.6	65.2	68.2	64.1	64.5	59.0
Subdistrict IA Average						
November 1993	62.2	60.9	W	63.8	61.5	53.7
October 1993	67.3	65.2	67.1	67.1	64.2	57.0
November 1992	63.5	65.2	66.3	64.5	65.4	59.7
Connecticut						
November 1993	W	W	W	65.1	57.6	54.2
October 1993	W	W	-	W	61.3	57.0
November 1992	W	65.5	76.0	65.6	63.2	59.7
Maine						
November 1993	W	60.9	W	63.7	56.1	53.6
October 1993	W	65.8	W	66.4	W	57.6
November 1992	W	68.9	W	64.8	60.5	60.2
Massachusetts						
November 1993	W	57.9	-	W	63.0	53.1
October 1993	W	63.2	-	W	65.1	57.8
November 1992	W	61.1	W	W	67.3	60.2
New Hampshire						
November 1993	W	W	W	W	64.2	55.9
October 1993	W	W	W	W	66.8	57.5
November 1992	W	W	W	W	60.7	60.3
Rhode Island						
November 1993	W	W	W	W	62.9	54.0
October 1993	-	W	W	W	67.3	54.8
November 1992	-	W	W	W	65.0	58.4
Vermont						
November 1993	-	W	-	W	60.5	W
October 1993	-	W	-	W	63.8	61.2
November 1992	-	W	W	W	63.3	61.5
Subdistrict IB Average						
November 1993	71.3	61.3	76.6	62.7	61.8	53.6
October 1993	69.0	64.6	85.3	68.5	64.0	57.3
November 1992	76.8	64.1	68.8	63.6	65.9	58.8
Delaware						
November 1993	W	W	-	-	58.4	52.7
October 1993	-	W	-	-	61.2	57.1
November 1992	-	W	W	W	63.2	W
District of Columbia						
November 1993	-	-	-	-	W	53.8
October 1993	-	-	-	-	58.3	59.0
November 1992	-	W	-	-	59.5	59.4
Maryland						
November 1993	NA	61.3	67.8	W	56.7	54.7
October 1993	NA	64.3	W	-	59.4	59.5
November 1992	71.5	64.9	69.8	67.8	61.7	59.5
New Jersey						
November 1993	62.9	60.7	-	W	58.5	52.6
October 1993	65.4	62.8	-	-	61.6	55.7
November 1992	69.5	61.2	W	62.2	63.2	58.3
New York						
November 1993	73.3	63.1	W	W	63.8	54.5
October 1993	68.3	66.1	W	W	64.7	58.4
November 1992	77.0	65.6	65.8	64.0	69.4	59.6
Pennsylvania						
November 1993	75.0	60.5	82.3	62.9	64.5	53.9
October 1993	81.2	64.3	90.9	69.6	66.7	58.5
November 1992	82.6	64.6	72.8	63.4	66.1	58.9
Subdistrict IC Average						
November 1993	88.8	62.0	86.5	60.8	59.1	55.5
October 1993	NA	64.4	80.0	63.4	61.8	58.9
November 1992	99.8	66.0	68.5	64.6	63.6	59.0

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						
November 1993	76.8	63.9	-	W	59.0	56.4
October 1993	W	66.4	W	W	61.8	59.9
November 1992	106.2	66.4	W	W	63.7	59.2
Georgia						
November 1993	NA	61.5	-	64.4	59.3	55.4
October 1993	NA	62.5	-	W	61.6	58.3
November 1992	NA	65.0	W	W	64.7	58.6
North Carolina						
November 1993	NA	61.6	W	60.7	57.5	54.8
October 1993	NA	64.0	W	61.9	60.0	58.3
November 1992	102.2	66.3	W	61.5	61.7	58.4
South Carolina						
November 1993	NA	62.0	-	W	60.0	55.4
October 1993	NA	64.7	-	W	62.2	58.8
November 1992	109.3	66.7	-	W	62.8	59.0
Virginia						
November 1993	63.1	61.9	W	59.9	57.4	55.0
October 1993	65.1	64.7	W	62.2	60.2	58.0
November 1992	67.0	64.6	62.7	64.1	62.1	59.3
West Virginia						
November 1993	NA	65.6	87.2	70.5	63.3	57.6
October 1993	NA	70.8	87.3	75.6	67.6	64.7
November 1992	NA	70.1	84.8	73.2	66.5	61.3
PAD District II Average						
November 1993	85.5	67.1	68.2	66.5	61.2	58.1
October 1993	82.2	73.7	75.3	73.9	66.7	66.1
November 1992	92.9	66.2	66.1	65.8	33.0	59.6
Illinois						
November 1993	81.9	64.9	W	62.6	58.6	55.9
October 1993	NA	72.8	W	73.1	67.7	63.6
November 1992	85.8	65.1	W	62.5	61.0	58.4
Indiana						
November 1993	100.4	66.1	67.9	62.6	61.4	57.2
October 1993	104.7	73.6	NA	66.2	67.4	63.6
November 1992	W	66.9	67.3	63.4	62.9	58.5
Iowa						
November 1993	W	W	W	67.1	62.0	60.5
October 1993	-	81.6	W	75.9	69.8	70.9
November 1992	-	74.2	68.9	66.6	62.9	61.1
Kansas						
November 1993	-	75.9	65.5	65.9	59.5	58.1
October 1993	-	84.9	W	77.3	67.0	68.6
November 1992	-	72.5	65.2	64.0	60.7	58.7
Kentucky						
November 1993	80.1	67.6	90.4	63.7	60.1	57.4
October 1993	73.1	74.4	W	70.7	65.1	62.8
November 1992	92.8	70.7	81.6	68.0	64.0	59.9
Michigan						
November 1993	NA	70.3	67.6	66.0	61.0	57.9
October 1993	NA	75.4	W	70.8	65.8	66.5
November 1992	111.0	67.2	64.6	64.8	61.6	58.8
Minnesota						
November 1993	W	67.9	66.9	68.3	61.6	60.9
October 1993	W	81.2	77.4	78.5	70.0	70.5
November 1992	W	73.5	67.2	68.3	62.9	61.6
Missouri						
November 1993	W	67.4	W	65.8	62.3	59.8
October 1993	-	77.3	W	77.1	72.7	68.9
November 1992	-	68.6	W	66.1	64.0	59.6
Nebraska						
November 1993	-	69.9	W	67.3	55.7	61.5
October 1993	-	W	W	78.0	58.7	71.6
November 1992	-	80.0	W	67.2	W	61.8
North Dakota						
November 1993	W	W	W	71.3	59.7	63.1
October 1993	-	W	W	79.6	W	71.9
November 1992	W	-	W	71.3	W	63.9

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
Ohio						
November 1993	82.1	67.0	W	W	65.2	59.1
October 1993	80.7	72.8	95.5	71.2	70.2	66.1
November 1992	87.0	68.3	78.6	65.1	65.6	60.8
Oklahoma						
November 1993	-	W	W	60.3	57.4	56.5
October 1993	W	72.4	78.4	64.5	63.3	65.5
November 1992	-	67.1	64.1	62.5	60.2	58.4
South Dakota						
November 1993	-	W	W	69.7	64.7	63.8
October 1993	-	82.0	W	81.1	73.6	73.5
November 1992	-	W	W	70.1	63.5	63.6
Tennessee						
November 1993	85.0	63.5	-	59.0	59.1	55.5
October 1993	76.7	68.1	-	63.1	60.7	58.8
November 1992	102.5	67.2	66.2	64.2	62.3	58.2
Wisconsin						
November 1993	W	66.6	65.7	65.6	63.4	57.8
October 1993	W	W	NA	74.8	70.1	65.0
November 1992	W	74.7	64.2	65.8	61.8	59.3
PAD District III Average						
November 1993	81.6	55.6	64.2	70.9	59.8	54.5
October 1993	76.5	57.8	66.6	66.0	62.6	58.5
November 1992	77.7	58.4	63.4	69.5	62.9	57.5
Alabama						
November 1993	NA	62.8	-	63.8	56.7	55.4
October 1993	NA	63.4	-	W	59.7	58.0
November 1992	NA	66.6	65.5	W	61.4	57.6
Arkansas						
November 1993	W	58.6	-	W	60.4	55.8
October 1993	-	63.7	-	W	62.8	59.8
November 1992	W	67.8	W	W	63.0	58.1
Louisiana						
November 1993	W	55.1	-	W	56.2	52.3
October 1993	W	56.0	-	W	58.4	56.1
November 1992	W	60.3	-	W	61.5	56.5
Mississippi						
November 1993	W	W	-	-	56.1	52.2
October 1993	W	W	-	W	58.0	56.4
November 1992	W	W	63.3	W	59.8	56.7
New Mexico						
November 1993	-	NA	W	80.4	73.4	65.6
October 1993	-	W	W	92.9	81.3	77.7
November 1992	W	85.1	W	80.9	73.5	66.5
Texas						
November 1993	W	62.7	W	65.0	60.0	54.8
October 1993	W	67.1	W	68.5	62.8	58.6
November 1992	W	65.3	W	67.0	62.5	57.4
PAD District IV Average						
November 1993	W	88.1	91.2	87.7	75.9	77.0
October 1993	W	85.1	88.7	86.6	73.2	77.1
November 1992	W	W	80.6	78.1	71.0	70.7
Colorado						
November 1993	-	63.9	W	77.1	68.7	68.2
October 1993	-	W	90.2	83.6	70.9	75.5
November 1992	W	W	78.6	72.6	68.2	66.5
Idaho						
November 1993	-	W	W	94.7	W	84.8
October 1993	-	W	W	90.7	W	80.5
November 1992	-	W	W	83.3	W	76.6
Montana						
November 1993	-	-	88.8	91.6	77.1	79.8
October 1993	-	-	W	86.4	68.3	74.8
November 1992	-	-	80.1	80.4	68.6	69.2

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
Utah						
November 1993	-	W	95.4	94.2	79.5	83.3
October 1993	-	W	W	89.2	77.2	78.9
November 1992	-	W	79.7	81.3	73.0	73.6
Wyoming						
November 1993	W	-	89.7	87.8	77.8	76.5
October 1993	W	W	87.6	88.1	73.0	76.7
November 1992	-	-	82.5	80.1	72.2	69.6
PAD District V Average						
November 1993	83.4	71.9	77.7	78.2	69.9	65.3
October 1993	W	84.0	76.5	80.2	77.4	76.8
November 1992	-	71.0	78.5	76.1	68.2	62.6
Alaska						
November 1993	-	-	73.9	73.7	84.3	63.9
October 1993	-	-	73.3	73.7	81.1	66.8
November 1992	-	-	78.4	76.7	88.9	68.8
Arizona						
November 1993	W	W	W	75.0	73.0	63.9
October 1993	W	W	W	88.2	80.7	81.9
November 1992	-	-	83.9	79.7	71.3	67.0
California						
November 1993	-	76.5	W	76.4	70.2	65.0
October 1993	-	78.0	W	89.1	82.5	79.4
November 1992	-	71.6	W	68.5	67.0	61.0
Hawaii						
November 1993	-	-	W	-	W	77.5
October 1993	-	-	W	W	62.9	76.9
November 1992	-	-	W	W	71.2	73.1
Nevada						
November 1993	-	-	W	82.1	71.0	69.0
October 1993	-	-	W	93.2	83.4	79.2
November 1992	-	-	82.9	72.8	69.4	65.1
Oregon						
November 1993	-	W	W	78.7	70.5	65.9
October 1993	-	W	W	90.0	79.5	78.2
November 1992	-	W	79.3	76.4	66.0	64.0
Washington						
November 1993	W	W	95.0	83.4	67.8	65.1
October 1993	-	W	NA	88.4	69.3	69.7
November 1992	-	W	77.6	77.3	66.4	63.3

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									
November 1993	85.9	62.0	57.5	88.7	71.5	58.3	88.6	68.8	57.8
October 1993	84.6	66.4	63.8	88.7	75.7	63.1	88.7	73.1	63.5
November 1992	89.8	64.2	59.6	94.9	72.3	62.0	94.8	69.8	60.3
PAD District I Average									
November 1993	83.3	59.4	54.2	88.9	68.5	55.8	88.8	65.9	54.9
October 1993	82.5	62.2	57.8	88.7	70.6	59.0	88.5	68.1	58.3
November 1992	90.0	63.8	59.0	96.3	72.2	61.5	96.3	69.7	60.0
Subdistrict IA Average									
November 1993	W	58.8	53.7	85.5	69.7	55.1	85.5	68.2	54.5
October 1993	W	62.2	57.0	85.6	71.7	58.7	85.6	70.3	57.9
November 1992	W	62.3	59.7	93.0	75.1	61.7	92.9	73.6	60.9
Connecticut									
November 1993	-	57.6	54.2	88.7	70.5	55.7	88.7	68.5	55.0
October 1993	-	61.3	57.0	88.6	72.3	58.6	88.6	70.4	57.6
November 1992	-	63.2	59.7	95.8	76.3	61.1	95.8	74.7	60.4
Maine									
November 1993	-	56.1	53.6	80.6	69.6	55.5	80.6	69.0	54.8
October 1993	-	W	57.6	82.8	72.6	58.8	82.8	72.0	59.0
November 1992	-	60.5	60.2	88.3	74.7	62.6	88.3	73.9	61.8
Massachusetts									
November 1993	W	59.3	53.1	85.8	67.9	54.3	85.8	66.3	53.8
October 1993	W	62.2	57.8	86.1	70.1	58.2	86.1	68.4	58.0
November 1992	W	62.7	60.2	93.9	74.1	61.5	93.8	72.5	61.0
New Hampshire									
November 1993	-	64.2	55.9	77.3	71.0	55.6	77.3	70.4	55.6
October 1993	-	66.8	57.5	77.2	72.6	59.0	77.2	72.1	58.7
November 1992	-	60.7	60.3	87.6	75.9	62.0	87.6	74.9	61.7
Rhode Island									
November 1993	W	57.0	54.0	87.7	72.7	54.7	87.6	70.4	54.4
October 1993	W	61.3	54.8	86.0	72.7	58.1	86.0	71.2	56.3
November 1992	W	60.1	58.4	92.6	77.0	61.1	92.5	73.4	59.6
Vermont									
November 1993	-	60.5	W	85.9	75.0	59.5	85.9	74.3	58.7
October 1993	-	63.8	61.2	86.8	73.6	63.1	86.8	73.0	62.4
November 1992	-	63.3	61.5	92.6	75.8	65.1	92.6	74.9	63.6
Subdistrict IB Average									
November 1993	83.1	60.0	53.6	91.6	69.0	55.9	91.4	66.7	54.5
October 1993	81.5	62.9	57.3	91.0	71.1	58.5	90.8	68.9	57.8
November 1992	90.4	64.6	58.8	98.6	73.0	61.2	98.5	70.6	59.7
Delaware									
November 1993	-	58.4	52.7	88.6	65.9	54.9	88.6	64.3	53.2
October 1993	-	61.2	57.1	88.6	67.6	58.5	88.6	66.5	57.4
November 1992	-	63.2	W	92.8	71.0	62.7	92.8	69.1	58.5
District of Columbia									
November 1993	-	W	53.8	100.6	66.6	61.9	100.6	65.2	NA
October 1993	-	58.3	59.0	102.3	69.5	W	102.3	68.6	56.4
November 1992	-	59.5	59.4	105.7	69.5	W	105.7	69.1	63.3
Maryland									
November 1993	W	56.7	54.7	95.9	67.5	58.8	95.9	64.3	56.5
October 1993	W	59.4	59.5	94.2	70.2	56.4	94.2	67.1	57.6
November 1992	W	61.7	59.5	100.4	72.2	62.0	100.4	69.2	60.5
New Jersey									
November 1993	-	58.5	52.6	90.3	66.5	53.4	90.3	64.1	52.9
October 1993	-	61.6	55.7	88.7	68.4	56.8	88.7	66.1	56.0
November 1992	-	63.2	58.3	94.6	68.2	59.8	94.6	66.7	58.7
New York									
November 1993	W	61.3	54.5	96.0	72.3	55.9	95.8	69.9	55.1
October 1993	W	63.2	58.4	96.3	73.4	59.5	96.1	71.0	58.9
November 1992	W	66.7	59.6	104.9	78.4	62.0	104.7	74.9	60.6

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									
November 1993	W	61.6	53.9	85.5	68.3	57.6	85.3	66.5	55.5
October 1993	W	65.0	58.5	83.5	70.9	60.2	83.2	69.3	59.2
November 1992	85.8	64.9	58.9	89.7	72.0	61.3	89.6	70.1	59.9
Subdistrict IC Average^b									
November 1993	W	59.1	55.5	88.6	67.6	56.5	88.5	64.6	55.9
October 1993	W	61.8	58.9	87.8	69.7	60.0	87.7	67.0	59.3
November 1992	W	63.6	59.0	95.9	70.4	61.7	95.9	68.0	59.8
Virginia									
November 1993	W	57.4	55.0	84.2	67.1	57.2	84.2	64.8	55.5
October 1993	W	60.1	58.0	85.0	69.0	58.5	85.0	66.9	58.2
November 1992	W	62.1	59.3	92.1	71.3	60.6	92.1	68.9	59.6
West Virginia									
November 1993	W	63.2	57.6	84.7	67.4	62.0	84.6	65.5	58.8
October 1993	W	67.6	64.7	83.8	70.9	67.2	83.6	69.3	65.4
November 1992	W	66.4	61.3	88.2	72.2	66.8	88.0	69.6	62.2
PAD District II Average^b									
November 1993	81.5	61.1	58.1	84.0	71.0	61.6	84.0	68.1	59.2
October 1993	W	66.7	66.1	85.8	76.2	67.2	85.8	73.6	66.4
November 1992	W	62.9	59.6	85.1	72.9	61.9	85.1	69.5	60.2
Illinois									
November 1993	-	58.6	55.9	82.5	71.4	58.8	82.5	68.7	56.9
October 1993	-	67.7	63.6	87.0	76.7	65.2	87.0	75.2	64.2
November 1992	-	61.0	58.4	90.4	74.7	62.1	90.4	71.4	59.5
Indiana									
November 1993	W	61.3	57.2	80.7	70.9	57.5	80.7	67.8	57.3
October 1993	W	67.4	63.6	83.1	76.1	63.8	83.1	73.4	63.7
November 1992	W	62.9	58.5	82.7	72.9	60.6	82.7	68.5	59.2
Michigan									
November 1993	-	61.0	57.9	87.0	74.2	62.1	87.0	70.3	59.4
October 1993	-	65.8	66.5	89.7	80.3	70.4	89.7	75.7	67.8
November 1992	-	61.6	58.8	88.2	75.5	63.3	88.2	70.4	60.3
Minnesota									
November 1993	W	61.1	60.9	85.7	78.8	66.2	85.7	74.7	62.7
October 1993	-	70.0	70.5	87.1	83.8	71.0	87.1	81.1	70.7
November 1992	-	62.9	61.6	86.0	78.8	64.5	86.0	74.5	62.2
Ohio									
November 1993	W	65.1	59.1	84.7	73.1	59.1	84.6	68.8	59.1
October 1993	W	70.1	66.1	85.7	77.6	63.9	85.6	73.8	65.5
November 1992	W	65.4	60.8	84.6	72.5	61.6	84.6	68.7	61.0
Wisconsin									
November 1993	W	63.4	57.8	82.4	72.6	60.4	82.4	71.2	58.8
October 1993	-	70.1	65.0	82.0	78.7	69.6	82.0	77.5	66.6
November 1992	-	61.8	59.3	83.7	73.0	61.0	83.7	71.3	59.8
PAD District III Average									
November 1993	W	59.7	54.5	90.4	65.6	54.6	77.1	64.0	54.5
October 1993	-	62.6	58.5	82.7	68.3	57.8	82.7	66.6	58.3
November 1992	-	62.9	57.5	72.8	67.1	59.1	72.8	65.9	57.8
PAD District IV Average^b									
November 1993	-	75.9	77.0	97.3	86.5	77.4	97.3	83.2	77.1
October 1993	-	73.2	77.1	93.0	86.4	80.7	93.0	82.4	77.9
November 1992	-	71.0	70.7	90.3	81.4	72.4	90.3	77.7	71.1
Idaho									
November 1993	-	W	84.8	98.2	88.9	85.2	98.2	87.2	84.9
October 1993	-	W	80.5	94.8	90.8	82.6	94.8	88.3	80.8
November 1992	-	W	76.6	91.7	83.8	78.4	91.7	82.1	76.9

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 ¹ 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									
November 1993	96.9	69.0	65.3	100.6	81.9	69.3	100.2	78.6	66.2
October 1993	92.4	77.1	76.8	103.3	90.1	79.6	102.1	86.4	77.3
November 1992	91.4	67.7	62.6	96.8	75.9	69.2	96.2	73.4	63.9
Alaska									
November 1993	W	83.2	63.9	97.5	93.6	NA	94.0	92.0	NA
October 1993	W	79.0	66.8	100.5	90.5	NA	96.7	88.4	68.6
November 1992	W	89.1	68.8	102.2	87.8	84.8	97.7	88.1	74.8
Oregon									
November 1993	W	69.2	65.9	96.3	82.7	78.4	97.3	78.8	67.1
October 1993	W	79.1	78.2	99.7	90.3	83.8	100.2	87.3	78.8
November 1992	W	65.1	64.0	92.1	77.3	68.0	92.8	73.6	64.6
Washington									
November 1993	W	65.6	65.1	104.4	84.0	74.3	104.4	78.6	65.8
October 1993	W	68.2	69.7	105.9	85.6	83.1	105.5	80.2	70.6
November 1992	W	65.3	63.3	99.2	77.0	72.7	98.7	72.7	65.0

^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							
November 1993	88.6	63.7	68.1	75.0	72.6	72.9	57.8
October 1993	88.7	67.7	72.9	78.0	77.9	75.2	63.5
November 1992	94.8	65.3	69.0	74.9	73.9	75.1	60.3
PAD District I Average							
November 1993	88.8	63.8	65.5	71.8	64.9	75.2	54.9
October 1993	88.5	65.9	68.4	72.8	67.7	74.6	58.3
November 1992	96.3	68.0	68.6	75.3	69.2	80.7	60.0
Subdistrict IA Average							
November 1993	85.5	67.7	68.9	77.1	62.8	80.0	54.5
October 1993	85.6	69.7	69.9	77.6	66.7	79.5	57.9
November 1992	92.9	72.5	69.2	84.6	71.7	85.7	60.9
Connecticut							
November 1993	88.7	67.9	68.4	79.9	65.9	83.1	55.0
October 1993	88.6	69.6	69.3	81.3	70.4	82.0	57.6
November 1992	95.8	71.5	66.9	89.5	67.6	88.7	60.4
Maine							
November 1993	80.6	67.7	67.9	77.4	63.7	75.8	54.8
October 1993	82.8	70.1	69.6	77.3	72.0	77.4	59.0
November 1992	88.3	71.9	72.4	81.9	75.4	81.3	61.8
Massachusetts							
November 1993	85.8	66.3	70.5	76.9	60.8	79.7	53.8
October 1993	86.1	68.7	71.4	76.6	62.3	79.4	58.0
November 1992	93.8	72.4	69.0	82.1	69.4	85.1	61.0
New Hampshire							
November 1993	77.3	68.3	61.9	75.3	66.6	74.8	55.6
October 1993	77.2	68.8	63.8	77.0	73.6	75.0	58.7
November 1992	87.6	74.0	66.7	78.1	79.2	83.5	61.7
Rhode Island							
November 1993	87.6	72.2	65.7	79.0	58.0	83.6	54.4
October 1993	86.0	72.8	67.7	79.1	61.5	81.9	56.3
November 1992	92.5	75.1	70.8	78.8	61.8	88.2	59.6
Vermont							
November 1993	85.9	74.1	71.8	80.6	72.1	81.5	58.7
October 1993	86.8	72.5	71.0	79.0	72.8	79.9	62.4
November 1992	92.6	74.6	70.4	82.6	78.7	84.8	63.6
Subdistrict IB Average							
November 1993	91.4	65.3	66.5	74.1	64.4	78.6	54.5
October 1993	90.8	67.2	69.3	74.9	67.0	77.4	57.8
November 1992	98.5	69.6	69.4	78.1	68.4	85.1	59.7
Delaware							
November 1993	88.6	60.8	63.2	68.4	66.8	74.8	53.2
October 1993	88.6	63.6	68.2	67.7	69.8	72.3	57.4
November 1992	92.8	68.0	65.4	75.1	68.7	81.0	58.5
District of Columbia							
November 1993	100.6	65.1	W	W	66.7	73.5	NA
October 1993	102.3	68.8	W	W	68.3	73.3	56.4
November 1992	105.7	69.4	-	W	65.6	79.9	63.3
Maryland							
November 1993	95.9	62.5	64.7	74.0	63.8	75.3	56.5
October 1993	94.2	64.5	65.9	73.9	71.5	74.4	57.6
November 1992	100.4	68.1	68.3	78.8	68.7	81.0	60.5
New Jersey							
November 1993	90.3	61.3	67.9	72.7	NA	76.1	52.9
October 1993	88.7	63.1	72.1	71.4	NA	75.2	56.0
November 1992	94.6	65.8	65.3	76.8	63.4	79.7	58.7
New York							
November 1993	95.8	70.9	67.1	78.3	63.6	84.3	55.1
October 1993	96.1	71.8	69.7	79.6	64.5	83.1	58.9
November 1992	104.7	75.6	74.9	80.4	70.0	94.4	60.6

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							
November 1993	85.3	83.4	86.4	73.6	85.1	75.2	55.5
October 1993	83.2	86.5	89.2	75.6	87.9	74.0	59.2
November 1992	89.6	87.8	89.1	77.6	89.5	78.5	59.9
Subdistrict IC Average^d							
November 1993	88.5	80.6	84.0	70.2	85.8	66.8	55.9
October 1993	87.7	83.3	87.3	71.3	88.4	68.7	59.3
November 1992	95.9	83.9	87.9	73.0	89.3	71.8	59.8
Virginia							
November 1993	84.2	82.3	80.5	71.0	85.9	68.6	55.5
October 1993	85.0	84.2	85.1	71.4	89.3	70.1	58.2
November 1992	92.1	84.7	89.9	74.0	71.8	74.4	59.6
West Virginia							
November 1993	84.6	81.7	86.7	74.8	82.8	66.9	58.8
October 1993	83.6	86.7	70.6	74.6	87.0	70.3	65.4
November 1992	88.0	85.2	72.3	78.8	72.3	70.5	62.2
PAD District II Average^d							
November 1993	84.0	81.0	87.1	73.4	76.1	69.6	59.2
October 1993	85.8	86.6	72.6	77.7	81.4	74.3	66.4
November 1992	85.1	83.0	88.9	72.8	77.3	71.0	60.2
Illinois							
November 1993	82.5	80.5	74.1	77.2	76.6	69.5	56.9
October 1993	87.0	88.4	80.3	78.4	82.0	75.6	64.2
November 1992	90.4	85.2	73.5	74.7	76.2	72.1	59.5
Indiana							
November 1993	80.7	80.9	84.8	71.5	77.5	68.7	57.3
October 1993	83.1	88.5	88.9	74.8	81.9	73.9	63.7
November 1992	82.7	83.1	85.8	70.3	83.2	69.7	59.2
Michigan							
November 1993	87.0	87.4	87.5	78.9	70.4	73.3	59.4
October 1993	89.7	74.3	70.3	79.9	79.0	77.5	67.8
November 1992	88.2	83.4	72.0	74.8	76.9	74.7	60.3
Minnesota							
November 1993	85.7	88.7	72.4	76.5	79.5	77.3	62.7
October 1993	87.1	73.2	76.4	84.3	85.4	82.0	70.7
November 1992	86.0	85.6	71.6	75.4	81.4	77.4	62.2
Ohio							
November 1993	84.6	83.0	85.2	75.5	76.3	71.4	59.1
October 1993	85.6	88.7	70.0	79.4	79.1	74.9	65.5
November 1992	84.6	83.9	88.9	73.4	75.4	70.6	61.0
Wisconsin							
November 1993	82.4	88.5	88.3	74.3	75.3	74.2	58.8
October 1993	82.0	75.2	75.5	79.6	79.7	78.3	66.6
November 1992	83.7	84.2	86.0	74.1	80.5	74.4	59.8
PAD District III Average							
November 1993	77.1	57.9	61.3	72.0	66.0	64.0	54.5
October 1993	82.7	61.5	65.4	73.2	68.6	66.6	58.3
November 1992	72.8	60.2	65.0	73.4	72.5	65.9	57.8
PAD District IV Average^d							
November 1993	97.3	75.9	85.7	88.9	90.3	83.7	77.1
October 1993	93.0	76.0	82.1	88.2	87.2	82.7	77.9
November 1992	90.3	72.0	77.5	82.6	82.8	78.1	71.1
Idaho							
November 1993	98.2	80.6	93.3	84.3	93.7	88.3	84.9
October 1993	94.8	79.6	90.3	90.1	90.7	88.6	80.8
November 1992	91.7	76.3	77.8	85.5	86.0	83.0	76.9

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							
November 1993	100.2	73.3	78.8	87.2	79.6	80.3	66.2
October 1993	102.1	81.0	86.8	94.0	88.0	87.1	77.3
November 1992	96.2	68.6	74.4	80.7	74.1	74.5	63.9
Alaska							
November 1993	94.0	93.0	92.2	NA	84.9	92.7	NA
October 1993	96.7	88.9	88.4	86.0	87.3	90.8	68.6
November 1992	97.7	88.6	85.4	95.0	85.2	90.8	74.8
Oregon							
November 1993	97.3	72.3	72.1	86.3	82.1	81.2	67.1
October 1993	100.2	82.3	83.1	92.2	90.5	88.2	78.8
November 1992	92.8	68.8	74.3	82.3	78.7	75.5	64.6
Washington							
November 1993	104.4	NA	82.8	88.8	85.1	83.5	65.8
October 1993	105.5	74.7	85.4	89.4	85.7	83.0	70.6
November 1992	98.7	67.6	73.2	82.1	80.1	77.5	65.0

^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.

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 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						
November 1993	88.6	67.4	63.8	63.8	82.7	54.1
October 1993	88.7	68.4	64.7	66.4	82.1	58.4
November 1992	94.8	70.8	68.0	68.2	87.3	59.3
PAD District I Average						
November 1993	88.8	69.1	63.3	61.3	83.6	53.7
October 1993	88.5	69.7	63.8	64.1	83.0	56.6
November 1992	96.3	72.7	67.6	66.4	89.2	59.7
Subdistrict IA Average						
November 1993	85.5	69.2	66.8	60.8	82.2	53.9
October 1993	85.6	71.5	66.4	62.8	82.3	56.6
November 1992	92.9	74.0	69.3	68.9	86.3	60.6
Connecticut						
November 1993	88.7	72.0	68.0	57.1	86.1	54.1
October 1993	88.6	71.7	66.9	60.5	85.6	56.4
November 1992	95.8	73.6	65.3	64.1	91.7	60.2
Maine						
November 1993	80.6	68.7	66.4	68.3	77.9	54.1
October 1993	82.8	71.0	68.4	W	79.2	57.4
November 1992	88.3	74.7	73.1	W	83.9	61.5
Massachusetts						
November 1993	85.8	67.4	65.8	60.1	81.5	53.5
October 1993	86.1	72.0	63.7	61.4	82.2	57.0
November 1992	93.8	73.2	69.0	68.9	87.5	60.8
New Hampshire						
November 1993	77.3	68.5	60.2	W	75.7	54.3
October 1993	77.2	66.9	61.6	71.2	75.5	56.0
November 1992	87.6	75.1	64.7	W	85.5	61.1
Rhode Island						
November 1993	87.6	75.4	68.6	W	86.0	53.6
October 1993	86.0	74.6	70.3	W	84.3	55.6
November 1992	92.5	80.4	70.7	W	90.7	59.5
Vermont						
November 1993	85.9	75.4	73.1	58.4	83.8	56.1
October 1993	86.8	73.5	69.6	62.3	83.9	59.2
November 1992	92.6	76.8	72.3	76.0	89.2	62.7
Subdistrict IB Average						
November 1993	91.4	70.6	63.0	62.2	86.2	53.4
October 1993	90.8	69.6	63.1	63.4	84.9	56.1
November 1992	98.5	74.9	67.5	66.1	91.9	59.5
Delaware						
November 1993	88.6	64.1	60.8	57.2	82.5	52.1
October 1993	88.6	66.5	63.8	W	80.0	54.9
November 1992	92.8	74.1	63.9	W	86.8	58.2
District of Columbia						
November 1993	100.6	68.2	W	W	78.2	NA
October 1993	102.3	72.6	-	W	79.1	55.1
November 1992	105.7	39.6	-	W	81.8	63.1
Maryland						
November 1993	95.9	65.9	67.8	58.8	85.0	55.5
October 1993	94.2	67.1	65.1	62.5	84.8	55.0
November 1992	100.4	72.6	69.3	62.7	88.0	59.7
New Jersey						
November 1993	90.3	70.7	57.2	NA	85.4	52.0
October 1993	88.7	66.5	60.1	NA	83.3	55.1
November 1992	94.6	66.3	63.7	W	85.8	58.7
New York						
November 1993	95.8	72.8	63.5	63.3	89.6	54.3
October 1993	96.1	71.5	63.2	62.5	88.8	57.7
November 1992	104.7	79.2	68.2	71.4	98.9	60.7

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						
November 1993	85.3	89.3	87.4	81.8	82.6	53.9
October 1993	83.2	88.1	86.8	84.2	80.0	57.2
November 1992	89.6	76.5	88.4	87.7	85.6	59.5
Subdistrict IC Average^b						
November 1993	88.5	84.6	80.1	80.5	76.0	54.3
October 1993	87.7	87.4	82.7	88.2	77.8	58.0
November 1992	95.9	85.8	86.9	85.8	82.1	59.1
Virginia						
November 1993	84.2	83.8	59.0	58.6	76.3	53.7
October 1993	85.0	85.6	62.2	62.5	78.1	56.6
November 1992	92.1	87.0	73.6	63.2	82.4	59.3
West Virginia						
November 1993	84.6	80.8	80.1	80.6	68.9	56.6
October 1993	83.6	86.2	84.1	80.1	71.8	63.5
November 1992	88.0	89.4	89.3	86.3	76.3	60.1
PAD District II Average^b						
November 1993	84.0	81.0	82.7	87.4	76.0	56.2
October 1993	85.8	84.9	84.5	89.1	76.7	63.6
November 1992	85.1	82.8	89.2	72.5	77.3	59.4
Illinois						
November 1993	82.5	81.9	83.0	72.3	73.0	54.1
October 1993	87.0	70.7	86.9	75.0	78.0	61.1
November 1992	80.4	81.5	76.1	73.8	75.0	58.9
Indiana						
November 1993	80.7	W	57.5	82.1	69.5	55.6
October 1993	83.1	W	83.7	87.0	72.6	60.6
November 1992	82.7	83.1	87.4	79.7	72.9	57.9
Michigan						
November 1993	87.0	80.7	87.7	87.1	78.5	56.8
October 1993	89.7	85.5	NA	75.5	78.7	64.3
November 1992	88.2	83.5	78.6	87.7	82.0	59.4
Minnesota						
November 1993	85.7	89.7	89.4	71.5	80.1	58.6
October 1993	87.1	71.9	70.0	75.3	81.2	70.5
November 1992	86.0	82.9	88.6	76.1	82.0	62.3
Ohio						
November 1993	84.6	80.1	80.1	88.8	76.2	58.0
October 1993	85.6	83.7	83.3	85.5	74.6	63.2
November 1992	84.6	83.3	86.8	88.0	74.9	59.8
Wisconsin						
November 1993	82.4	88.0	88.1	82.3	80.8	55.4
October 1993	82.0	70.0	70.9	70.8	79.6	61.2
November 1992	83.7	83.6	71.0	77.6	80.0	59.1
PAD District III Average						
November 1993	77.1	54.4	NA	W	59.2	51.8
October 1993	82.7	55.4	81.4	NA	57.2	54.2
November 1992	72.8	59.6	59.4	W	60.4	56.9
PAD District IV Average^b						
November 1993	97.3	NA	W	81.6	94.3	73.8
October 1993	93.0	NA	W	86.8	88.4	74.5
November 1992	90.3	87.1	77.4	89.6	82.6	68.8
Idaho						
November 1993	98.2	NA	W	90.6	97.7	86.7
October 1993	94.8	NA	W	W	94.5	82.1
November 1992	91.7	83.4	W	90.3	91.2	75.2

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						
November 1993	100.2	82.9	73.9	76.6	96.1	67.7
October 1993	102.1	84.6	79.7	74.5	95.5	69.1
November 1992	96.2	82.6	72.9	80.8	92.0	67.2
Alaska						
November 1993	94.0	89.5	NA	NA	92.5	64.1
October 1993	96.7	85.1	89.2	91.8	93.9	67.0
November 1992	97.7	NA	W	W	96.0	75.1
Oregon						
November 1993	97.3	82.0	W	74.0	93.6	67.0
October 1993	100.2	81.9	W	W	95.9	NA
November 1992	92.8	81.9	W	W	89.5	66.8
Washington						
November 1993	104.4	78.0	71.0	NA	99.3	70.3
October 1993	105.5	81.1	76.1	NA	95.3	77.0
November 1992	98.7	73.3	72.4	W	94.6	62.9

^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								
November 1993	49.1	45.2	38.7	31.0	27.0	23.6	29.9	26.7
October 1993	49.6	45.2	38.7	32.4	29.4	25.7	32.0	28.7
November 1992	56.3	52.2	42.8	39.2	37.6	33.8	39.4	35.9
PAD District I Average								
November 1993	50.6	45.8	38.9	33.1	30.1	26.1	33.2	31.2
October 1993	50.5	45.7	38.8	35.4	31.9	29.0	34.7	33.3
November 1992	57.8	53.1	42.3	42.7	40.0	39.0	41.2	41.4
Subdistrict IA Average								
November 1993	W	W	W	W	36.3	W	38.9	W
October 1993	W	W	38.1	34.1	W	W	39.0	32.3
November 1992	W	W	40.3	W	W	W	40.3	40.9
Subdistrict IB Average								
November 1993	W	46.8	39.2	33.5	W	27.0	35.7	32.6
October 1993	50.5	47.9	W	37.0	30.6	29.5	36.2	34.6
November 1992	W	53.1	43.3	42.5	40.5	38.5	42.3	41.4
Subdistrict IC Average								
November 1993	47.7	W	35.2	W	30.1	25.0	30.4	25.3
October 1993	49.4	W	36.1	W	32.1	W	32.7	W
November 1992	52.0	W	W	W	39.7	W	39.9	42.7
PAD District II Average								
November 1993	W	W	42.0	W	31.7	24.6	32.8	24.4
October 1993	W	W	W	W	32.1	23.1	32.7	23.5
November 1992	56.7	W	40.0	W	34.3	30.6	35.4	31.1
PAD District III Average								
November 1993	W	-	-	26.8	23.5	21.6	23.5	22.7
October 1993	W	W	W	28.4	26.6	24.2	26.6	25.2
November 1992	W	W	W	35.1	35.0	31.4	35.0	32.7
PAD District IV Average								
November 1993	-	-	W	W	31.6	W	28.8	22.9
October 1993	-	-	W	W	W	W	W	22.0
November 1992	W	-	-	W	W	W	W	20.0
PAD District V Average								
November 1993	W	W	W	22.1	W	28.0	27.6	26.3
October 1993	W	W	38.6	24.1	28.5	26.5	31.0	26.0
November 1992	W	46.3	46.2	32.3	36.5	34.1	38.3	33.9

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						
November 1993	37.1	30.7	28.1	25.2	30.6	27.6
October 1993	39.1	32.3	30.6	27.3	32.8	29.2
November 1992	43.3	41.0	38.7	35.1	40.4	37.5
PAD District I Average						
November 1993	38.6	32.6	29.3	26.4	32.3	30.3
October 1993	39.4	35.8	31.6	28.0	34.1	32.4
November 1992	43.7	43.9	40.7	37.9	42.1	41.2
Subdistrict IA Average*						
November 1993	37.4	33.0	30.2	26.6	33.4	30.9
October 1993	39.0	34.3	30.4	28.4	32.8	32.2
November 1992	41.3	43.2	39.4	36.1	40.6	38.1
Connecticut						
November 1993	39.6	W	35.7	-	38.4	W
October 1993	37.8	36.3	W	-	38.8	36.3
November 1992	41.2	W	W	-	41.2	W
Maine						
November 1993	33.8	34.9	30.7	30.2	32.3	32.3
October 1993	40.0	W	31.5	31.4	33.5	W
November 1992	43.6	W	40.4	W	41.5	W
Massachusetts						
November 1993	39.3	32.0	30.4	W	34.5	30.1
October 1993	39.3	34.1	30.0	W	32.6	31.9
November 1992	42.8	42.7	38.7	39.6	40.7	39.6
New Hampshire						
November 1993	38.4	-	28.8	W	29.2	W
October 1993	39.1	W	29.1	W	29.7	W
November 1992	W	W	42.3	W	37.2	W
Rhode Island						
November 1993	38.0	W	W	-	38.1	W
October 1993	37.8	W	W	-	37.8	W
November 1992	44.0	W	W	-	44.0	W
Subdistrict IB Average*						
November 1993	40.3	32.5	30.2	25.7	34.9	30.6
October 1993	41.9	36.9	33.2	26.5	37.5	32.7
November 1992	45.8	44.0	42.8	38.3	44.5	42.8
Delaware						
November 1993	31.2	W	28.3	W	30.6	23.0
October 1993	35.4	W	28.8	NA	34.3	24.8
November 1992	43.4	W	41.2	-	42.6	W
Maryland						
November 1993	32.1	W	29.0	32.3	30.0	W
October 1993	36.4	W	31.8	W	34.8	W
November 1992	41.2	40.1	W	39.4	41.7	39.8
New Jersey						
November 1993	39.6	33.0	28.9	25.2	35.6	28.1
October 1993	40.9	39.9	29.2	24.2	36.5	26.7
November 1992	47.4	44.0	40.1	35.8	43.6	41.5
New York						
November 1993	43.4	33.1	30.8	31.9	36.4	33.0
October 1993	44.9	37.4	34.2	33.5	38.8	36.9
November 1992	45.7	45.4	43.9	W	45.0	44.9
Pennsylvania						
November 1993	40.8	32.1	29.6	28.3	33.5	31.0
October 1993	42.9	35.7	31.1	30.6	34.4	32.4
November 1992	47.9	41.3	41.0	38.6	43.5	40.3
Subdistrict IC Average*						
November 1993	34.1	W	28.5	27.5	29.2	27.6
October 1993	34.6	W	31.4	31.1	32.0	31.2
November 1992	40.4	W	39.7	39.1	39.8	39.7
Florida						
November 1993	33.3	-	27.7	W	28.4	W
October 1993	34.3	-	31.0	W	31.8	W
November 1992	39.8	W	39.0	W	39.2	W
Georgia						
November 1993	-	-	34.7	27.0	34.7	27.0
October 1993	-	-	35.2	W	35.2	W
November 1992	-	-	40.6	W	40.6	W

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						
November 1993	W	-	31.3	27.3	32.0	27.3
October 1993	W	-	32.7	26.7	33.4	26.7
November 1992	W	-	41.3	38.3	41.7	38.3
South Carolina						
November 1993	W	-	W	W	W	W
October 1993	W	-	W	W	W	W
November 1992	W	-	W	-	W	-
Virginia						
November 1993	37.5	W	29.0	27.9	29.9	28.3
October 1993	36.1	W	30.9	W	31.3	W
November 1992	53.6	W	41.4	W	41.6	W
PAD District II Average^a						
November 1993	39.9	30.0	31.9	25.0	33.3	25.5
October 1993	41.3	39.9	33.3	24.2	34.8	26.2
November 1992	38.5	39.4	36.3	31.2	37.2	32.1
Illinois						
November 1993	35.8	W	W	27.9	36.0	28.3
October 1993	W	W	W	W	37.3	W
November 1992	W	W	42.1	30.7	42.5	30.8
Indiana						
November 1993	35.4	W	27.5	W	29.5	W
October 1993	37.8	-	29.9	21.5	30.5	21.5
November 1992	W	W	39.1	W	37.0	36.1
Michigan						
November 1993	42.6	W	37.6	30.1	39.6	33.1
October 1993	42.7	W	34.3	W	39.0	W
November 1992	40.3	41.1	39.3	W	40.1	37.5
Minnesota						
November 1993	W	NA	33.8	W	34.2	W
October 1993	W	W	33.0	W	33.1	W
November 1992	W	-	33.5	W	33.6	W
Ohio						
November 1993	38.9	W	32.2	W	32.5	W
October 1993	39.5	W	33.4	W	34.2	W
November 1992	W	W	37.4	W	37.5	W
PAD District III Average^a						
November 1993	W	26.7	25.2	24.2	25.1	24.8
October 1993	W	27.7	27.9	26.8	27.9	27.1
November 1992	W	36.0	35.1	33.5	35.3	34.3
Alabama						
November 1993	NA	W	NA	NA	NA	W
October 1993	W	W	31.9	NA	32.0	NA
November 1992	-	W	37.2	W	37.2	W
Louisiana						
November 1993	W	W	25.8	22.7	25.3	23.2
October 1993	NA	32.0	27.7	25.4	27.7	25.6
November 1992	W	36.4	35.2	33.6	35.6	33.8
Mississippi						
November 1993	-	W	27.3	NA	27.3	W
October 1993	-	W	30.3	NA	30.3	W
November 1992	-	-	W	-	W	-
Texas						
November 1993	-	27.9	23.5	25.5	23.5	26.2
October 1993	NA	27.7	26.8	28.9	26.8	28.4
November 1992	W	36.0	34.7	33.4	34.8	34.5
PAD District IV Average						
November 1993	W	W	31.2	13.5	30.4	23.0
October 1993	W	W	31.4	W	28.2	22.0
November 1992	-	28.8	W	13.1	W	20.1
PAD District V Average^a						
November 1993	37.7	29.6	25.9	27.4	28.4	28.3
October 1993	38.8	25.9	29.0	28.3	31.1	28.0
November 1992	46.0	36.0	36.6	34.4	36.2	34.8

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
California						
November 1993	W	29.6	23.6	27.5	24.3	28.4
October 1993	W	25.8	29.2	30.2	29.3	28.8
November 1992	36.3	36.0	37.6	34.4	37.6	34.9
Hawaii						
November 1993	W	-	29.9	W	36.4	W
October 1993	W	-	29.3	37.0	36.6	37.0
November 1992	W	-	39.4	W	44.7	W
Oregon						
November 1993	W	-	NA	NA	NA	NA
October 1993	-	-	NA	NA	NA	NA
November 1992	W	-	W	40.6	W	40.6
Washington						
November 1993	W	-	25.9	25.4	26.7	25.4
October 1993	W	-	28.1	24.7	28.2	24.7
November 1992	-	-	35.0	33.7	35.0	33.7

■ 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									
November 1993	1,156,268	56,726	6,239,300	451,637	16,911	1,805,872	1,607,905	73,636	8,045,172
October 1993	1,198,038	56,904	6,328,813	444,149	18,298	1,852,690	1,642,187	75,202	8,181,503
November 1992	1,201,252	49,393	6,077,481	437,013	18,670	1,750,635	1,638,265	68,063	7,828,116
PAD District I Total									
November 1993	347,189	19,693	2,483,578	70,185	9,461	297,204	417,374	29,153	2,780,782
October 1993	363,063	20,709	2,465,245	72,389	9,775	274,806	435,452	30,484	2,740,051
November 1992	367,418	14,059	2,325,435	72,802	11,847	314,385	440,220	25,906	2,639,820
Subdistrict IA Total									
November 1993	17,984	W	337,821	-	W	35,412	17,984	2,686	373,233
October 1993	19,394	W	W	-	W	W	19,394	2,878	350,002
November 1992	19,138	W	306,600	-	W	36,224	19,138	4,329	342,824
Connecticut									
November 1993	W	W	W	-	W	W	W	225	102,995
October 1993	W	W	W	-	W	W	W	375	98,463
November 1992	W	W	W	-	W	W	W	531	105,078
Maine									
November 1993	-	120	W	-	-	W	-	120	37,831
October 1993	-	W	W	-	-	W	-	W	45,779
November 1992	-	W	W	-	W	W	-	216	37,295
Massachusetts									
November 1993	9,955	W	W	-	W	W	9,955	1,643	176,697
October 1993	10,944	W	W	-	W	W	10,944	1,805	150,823
November 1992	10,325	W	W	-	W	W	10,325	2,664	141,912
New Hampshire									
November 1993	2,353	W	W	-	W	W	2,353	W	11,982
October 1993	2,552	W	W	-	W	W	2,552	253	14,302
November 1992	W	W	W	-	W	W	W	W	17,046
Rhode Island									
November 1993	W	W	W	-	W	W	W	372	38,086
October 1993	W	W	W	-	W	W	W	270	33,560
November 1992	2,283	W	W	-	W	W	2,283	229	37,354
Vermont									
November 1993	-	-	W	-	W	W	-	W	5,642
October 1993	-	W	W	-	W	W	-	W	7,075
November 1992	-	W	W	-	W	W	-	W	4,139
Subdistrict IB Total									
November 1993	124,963	W	1,048,733	28,233	W	112,240	153,196	11,446	1,160,973
October 1993	133,605	W	W	29,745	W	W	163,350	12,043	1,136,223
November 1992	124,390	W	989,812	28,131	W	124,549	152,521	10,560	1,114,361
Delaware									
November 1993	W	W	W	-	-	W	W	W	26,014
October 1993	W	225	W	-	W	W	W	W	25,439
November 1992	W	256	W	-	-	W	W	256	22,627
District of Columbia									
November 1993	-	W	W	-	-	W	-	W	12,134
October 1993	-	W	W	-	-	W	-	W	13,057
November 1992	-	W	11,660	-	-	-	-	W	11,660
Maryland									
November 1993	-	W	138,240	W	W	15,750	W	1,921	153,990
October 1993	-	W	140,850	W	W	17,810	W	1,848	158,660
November 1992	-	925	W	-	W	W	-	W	150,444
New Jersey									
November 1993	W	W	270,576	W	W	20,988	33,530	2,344	291,564
October 1993	W	W	260,713	W	W	23,068	34,361	2,522	283,781
November 1992	W	W	276,120	W	W	31,726	31,607	2,186	307,846
New York									
November 1993	W	W	306,260	W	W	32,867	56,630	2,694	339,127
October 1993	W	W	290,672	W	W	30,161	59,777	3,197	320,833
November 1992	45,001	W	277,413	W	W	27,914	W	2,326	305,327
Pennsylvania									
November 1993	49,276	1,479	298,049	12,735	2,451	40,095	62,011	3,930	338,144
October 1993	54,848	1,686	297,580	13,348	2,278	36,873	66,196	3,964	334,453
November 1992	48,953	1,189	273,345	12,648	3,154	43,112	61,601	4,343	316,457

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 IC Total									
November 1993	204,242	11,478	1,097,024	41,952	3,545	149,552	246,194	15,021	1,246,576
October 1993	210,064	11,924	1,107,873	42,644	3,639	145,953	252,708	15,563	1,253,826
November 1992	223,890	7,559	1,029,023	44,671	3,458	153,612	268,561	11,017	1,182,635
Florida									
November 1993	97,011	W	338,158	11,324	W	53,110	108,335	6,381	391,268
October 1993	98,249	W	332,504	11,026	W	48,845	109,275	6,666	379,349
November 1992	112,366	W	312,639	11,261	W	57,915	123,627	5,075	370,554
Georgia									
November 1993	40,978	W	203,476	5,082	W	31,400	46,060	2,507	234,876
October 1993	41,914	2,576	203,651	4,782	-	32,428	46,896	2,576	236,079
November 1992	43,094	W	190,541	5,453	W	30,597	48,547	1,685	221,138
North Carolina									
November 1993	W	W	217,131	W	W	25,128	22,636	1,876	242,259
October 1993	W	1,846	224,195	W	-	26,573	23,898	1,846	250,768
November 1992	W	1,209	212,992	W	-	23,168	23,341	1,209	236,160
South Carolina									
November 1993	W	971	108,233	W	-	14,033	27,753	971	122,266
October 1993	W	942	112,292	W	-	12,439	28,671	942	124,731
November 1992	W	658	94,270	W	-	12,697	27,770	658	106,967
Virginia									
November 1993	W	1,683	208,757	W	401	20,852	26,432	2,084	229,609
October 1993	W	1,815	212,067	W	380	22,679	28,300	2,195	234,746
November 1992	W	W	198,489	W	W	24,385	30,316	1,242	222,854
West Virginia									
November 1993	W	W	21,269	W	W	5,029	14,978	1,202	26,298
October 1993	W	W	23,184	W	W	4,989	15,868	1,338	28,153
November 1992	W	W	20,112	W	W	4,850	14,960	1,148	24,962
PAD District II Total									
November 1993	424,770	19,919	1,661,452	168,991	1,572	588,553	593,761	21,491	2,250,005
October 1993	443,676	21,033	1,679,829	175,696	1,988	624,178	619,372	23,021	2,304,005
November 1992	436,843	18,834	1,571,931	172,427	1,065	580,896	609,270	19,899	2,152,827
Illinois									
November 1993	W	743	256,933	W	-	53,852	77,894	743	310,785
October 1993	W	927	249,739	W	-	58,425	80,233	927	308,164
November 1992	W	W	233,895	W	W	60,925	76,043	1,262	294,820
Indiana									
November 1993	W	W	131,799	W	W	25,670	50,542	429	157,469
October 1993	W	W	134,205	W	W	32,230	52,327	626	166,435
November 1992	W	W	128,303	W	W	27,670	49,772	692	155,973
Iowa									
November 1993	2,382	W	57,968	6,687	-	44,999	9,069	W	102,967
October 1993	2,458	W	57,330	6,744	-	47,072	9,202	W	104,402
November 1992	2,398	W	56,888	8,202	-	41,520	10,600	W	98,408
Kansas									
November 1993	8,198	W	36,948	11,386	W	70,178	19,584	686	107,126
October 1993	8,099	W	35,068	11,633	W	71,135	19,732	742	106,203
November 1992	8,373	W	32,837	10,530	W	70,485	18,903	W	103,322
Kentucky									
November 1993	23,710	2,382	107,020	1,912	-	6,514	25,622	2,382	113,534
October 1993	25,257	2,425	108,790	1,970	-	9,251	27,227	2,425	118,041
November 1992	22,551	1,863	98,398	3,294	-	8,586	25,845	1,863	106,984
Michigan									
November 1993	W	W	234,362	W	W	40,754	85,426	4,649	275,116
October 1993	W	W	246,468	W	W	40,940	89,315	4,686	287,408
November 1992	W	W	217,282	W	W	41,833	89,616	3,639	259,115
Minnesota									
November 1993	33,199	W	69,151	10,164	W	54,344	43,363	602	123,495
October 1993	34,661	W	73,116	10,505	W	56,283	45,166	702	129,399
November 1992	31,611	W	67,258	10,455	W	44,712	42,066	524	111,970
Missouri									
November 1993	18,160	W	105,636	16,994	W	44,487	35,154	1,293	150,123
October 1993	19,512	W	107,239	17,706	W	56,544	37,218	1,427	163,783
November 1992	21,274	W	98,915	16,468	W	51,066	37,742	1,141	149,981

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									
November 1993	W	W	28,258	W	W	28,995	5,591	238	57,253
October 1993	W	W	28,040	W	W	29,308	5,718	250	57,348
November 1992	W	W	26,032	W	W	28,127	6,252	281	54,159
North Dakota									
November 1993	328	W	14,056	-	-	13,800	328	W	27,856
October 1993	W	W	14,110	W	-	13,727	470	W	27,837
November 1992	623	W	12,810	W	-	12,022	W	W	24,832
Ohio									
November 1993	W	W	223,648	W	W	13,406	152,464	7,382	237,054
October 1993	W	W	225,156	W	W	18,322	160,659	7,811	243,478
November 1992	W	W	199,858	W	W	13,622	157,907	7,158	213,480
Oklahoma									
November 1993	16,197	W	86,989	7,227	W	103,347	23,424	1,362	190,336
October 1993	16,146	1,206	89,156	7,450	554	98,781	23,596	1,760	187,937
November 1992	16,848	1,230	117,050	7,192	305	86,182	24,040	1,535	203,232
South Dakota									
November 1993	W	W	15,754	W	W	14,670	485	135	30,424
October 1993	W	W	15,860	W	W	15,824	731	130	31,684
November 1992	W	W	15,338	W	W	13,432	W	47	28,770
Tennessee									
November 1993	24,494	951	190,362	15,356	172	29,961	39,850	1,123	220,323
October 1993	26,388	836	191,674	15,619	184	30,307	42,007	1,020	221,981
November 1992	27,893	695	168,082	14,651	164	34,214	42,544	859	202,296
Wisconsin									
November 1993	W	W	102,568	W	W	43,576	24,965	321	146,144
October 1993	W	W	103,878	W	W	46,027	25,771	332	149,905
November 1992	W	W	98,985	W	W	46,500	26,573	182	145,485
PAD District III Total									
November 1993	145,026	4,057	834,987	103,103	3,371	603,932	248,129	7,428	1,438,919
October 1993	151,944	5,938	840,196	89,725	3,505	612,970	241,669	9,443	1,453,166
November 1992	155,896	5,231	907,410	92,184	1,381	570,790	248,080	6,612	1,478,200
Alabama									
November 1993	9,687	1,081	118,960	3,128	105	26,466	12,815	1,186	145,426
October 1993	10,002	W	117,845	2,992	W	26,621	12,994	1,313	144,466
November 1992	10,988	W	110,108	3,124	W	32,188	14,112	933	142,296
Arkansas									
November 1993	W	W	64,205	W	W	49,290	9,706	104	113,495
October 1993	W	W	64,797	W	W	45,106	9,955	118	109,903
November 1992	W	106	58,848	W	29	35,738	10,459	135	94,586
Louisiana									
November 1993	18,325	1,011	119,054	4,647	14	62,241	22,972	1,025	181,295
October 1993	19,261	1,125	115,112	3,970	22	81,459	23,231	1,147	196,571
November 1992	19,803	1,005	111,417	4,384	67	56,496	24,187	1,072	167,913
Mississippi									
November 1993	W	289	79,431	W	152	39,713	3,866	441	119,144
October 1993	W	547	82,307	W	167	35,621	3,946	714	117,928
November 1992	W	350	89,342	W	187	41,773	4,141	537	131,115
New Mexico									
November 1993	2,826	W	26,672	6,927	W	22,025	9,753	151	48,697
October 1993	2,975	W	29,445	6,359	W	20,747	9,334	228	50,192
November 1992	2,972	368	28,765	6,483	118	22,509	9,455	486	51,274
Texas									
November 1993	109,647	W	426,665	79,370	W	404,197	189,017	4,521	830,862
October 1993	115,125	2,745	430,690	67,084	3,178	403,416	182,209	5,923	834,106
November 1992	117,264	W	508,930	68,462	W	382,086	185,726	3,449	891,016
PAD District IV Total									
November 1993	36,237	728	123,021	32,776	574	81,354	69,013	1,302	204,375
October 1993	36,899	521	141,812	28,148	578	83,832	65,047	1,099	225,644
November 1992	36,711	677	122,645	26,092	780	93,953	62,803	1,457	216,598

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									
November 1993	24,642	W	46,354	30,134	W	33,120	54,776	241	79,474
October 1993	25,555	W	50,931	25,342	W	33,564	50,897	215	84,495
November 1992	25,766	W	41,794	23,417	W	36,946	49,183	387	78,740
Idaho									
November 1993	-	W	19,871	W	-	12,834	W	W	32,705
October 1993	-	W	24,385	W	-	12,399	W	W	36,784
November 1992	-	W	22,819	W	-	13,232	W	W	36,051
Montana									
November 1993	-	W	18,282	W	W	10,452	W	181	28,734
October 1993	-	W	20,105	W	W	11,596	W	174	31,701
November 1992	W	W	18,642	W	W	14,896	W	244	33,538
Utah									
November 1993	W	W	31,327	W	W	16,081	11,958	670	47,408
October 1993	W	W	37,675	W	W	16,274	11,505	548	53,949
November 1992	W	W	32,150	W	W	19,309	10,439	601	51,459
Wyoming									
November 1993	W	63	7,187	W	W	8,867	1,749	W	16,054
October 1993	W	83	8,716	W	W	9,999	2,056	W	18,715
November 1992	W	43	7,240	W	W	9,570	1,784	W	16,810
PAD District V Total									
November 1993	203,046	12,329	1,136,262	76,582	1,933	234,829	279,628	14,262	1,371,091
October 1993	202,456	8,703	1,201,731	78,191	2,452	256,906	280,647	11,155	1,458,637
November 1992	204,384	10,592	1,150,060	73,508	3,597	190,611	277,892	14,189	1,340,671
Alaska									
November 1993	W	W	W	W	W	W	6,093	W	8,986
October 1993	W	W	W	W	W	W	6,280	W	10,568
November 1992	W	W	W	W	W	W	5,290	1,261	8,165
Arizona									
November 1993	W	W	70,333	W	W	10,660	29,811	723	80,993
October 1993	W	W	76,402	W	W	10,840	29,239	938	87,242
November 1992	W	619	76,836	W	754	13,555	32,907	1,373	90,391
California									
November 1993	132,091	W	800,632	58,582	W	179,034	190,673	9,273	979,666
October 1993	131,828	W	834,329	59,393	W	195,478	191,221	5,326	1,029,807
November 1992	123,739	6,946	792,139	53,650	569	135,231	177,389	7,515	927,370
Hawaii									
November 1993	W	W	W	W	W	W	5,192	W	21,243
October 1993	W	W	W	W	W	W	5,426	W	21,816
November 1992	W	W	W	W	W	W	5,634	W	20,863
Nevada									
November 1993	W	W	48,394	W	W	12,020	3,804	508	60,414
October 1993	W	W	47,756	W	W	12,422	3,854	480	60,178
November 1992	W	W	40,564	W	W	11,676	4,282	380	52,240
Oregon									
November 1993	W	W	68,955	W	W	13,576	11,088	330	82,531
October 1993	W	W	74,690	W	W	17,613	11,487	332	92,303
November 1992	W	238	79,740	W	W	9,943	12,835	W	89,683
Washington									
November 1993	W	325	122,762	W	-	14,496	32,967	325	137,258
October 1993	W	320	142,421	W	-	14,302	33,130	320	156,723
November 1992	W	624	136,132	W	-	15,827	39,555	624	151,959

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."

**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								
November 1993	-	-	1,091,419	5,525,010	273,464	867,567	316,658	1,652,595
October 1993	-	-	1,121,946	5,670,098	279,611	878,252	315,832	1,633,153
November 1992	18,316	100,177	1,116,116	5,397,473	267,255	811,126	304,641	1,519,340
PAD District I Total								
November 1993	-	-	262,100	1,675,448	82,441	382,138	101,987	723,196
October 1993	-	-	275,362	1,618,056	85,691	388,091	104,883	733,904
November 1992	W	-	280,833	1,544,610	W	379,922	100,054	715,288
Subdistrict IA Total								
November 1993	-	-	11,294	235,182	4,104	48,097	5,272	89,954
October 1993	-	-	12,268	212,536	4,349	47,402	5,655	90,062
November 1992	-	-	13,626	208,624	4,247	43,079	5,594	91,121
Connecticut								
November 1993	-	-	2,077	59,300	717	17,784	W	25,911
October 1993	-	-	2,140	53,590	792	15,369	W	29,504
November 1992	-	-	2,423	59,519	873	13,534	W	32,025
Maine								
November 1993	-	-	94	25,871	W	4,820	W	7,140
October 1993	-	-	W	30,289	W	5,266	W	10,224
November 1992	-	-	W	25,609	W	4,211	W	7,475
Massachusetts								
November 1993	-	-	6,174	112,983	2,367	18,381	3,057	45,333
October 1993	-	-	6,936	94,678	2,501	19,098	3,312	37,047
November 1992	-	-	7,648	85,862	2,347	17,693	2,994	38,357
New Hampshire								
November 1993	-	-	W	7,432	511	2,107	590	2,443
October 1993	-	-	1,659	9,100	522	2,327	624	2,875
November 1992	-	-	1,901	11,078	W	2,574	731	3,334
Rhode Island								
November 1993	-	-	1,371	25,977	W	4,189	540	7,920
October 1993	-	-	1,364	20,396	W	4,305	596	8,859
November 1992	-	-	1,424	23,860	500	4,509	588	8,985
Vermont								
November 1993	-	-	W	3,619	-	816	-	1,207
October 1993	-	-	W	4,485	-	1,037	-	1,553
November 1992	-	-	W	2,696	-	558	-	885
Subdistrict IB Total								
November 1993	-	-	101,084	691,673	26,631	142,214	36,928	327,086
October 1993	-	-	108,194	650,474	28,146	146,765	39,053	338,984
November 1992	W	-	102,471	634,355	W	140,653	33,889	339,353
Delaware								
November 1993	-	-	W	16,261	240	4,859	W	4,894
October 1993	-	-	W	15,321	248	5,200	W	4,918
November 1992	-	-	W	12,854	235	4,740	223	5,033
District of Columbia								
November 1993	-	-	W	3,769	W	2,487	W	5,878
October 1993	-	-	W	3,918	W	2,670	W	6,469
November 1992	-	-	W	3,876	W	2,474	W	5,310
Maryland								
November 1993	-	-	1,433	80,497	W	30,605	321	42,888
October 1993	-	-	1,323	79,917	W	33,645	356	45,098
November 1992	-	-	761	75,625	70	30,642	W	44,177
New Jersey								
November 1993	-	-	19,963	160,119	5,463	30,520	10,448	100,925
October 1993	-	-	20,350	149,715	5,679	30,434	10,854	103,632
November 1992	-	-	18,660	172,927	5,865	30,111	9,268	104,808
New York								
November 1993	-	-	38,877	210,890	8,142	33,731	12,305	94,506
October 1993	-	-	41,145	186,734	8,643	34,697	13,186	99,402
November 1992	W	-	40,258	170,725	8,402	32,659	12,070	101,943
Pennsylvania								
November 1993	-	-	40,026	220,137	12,361	40,012	13,554	77,995
October 1993	-	-	44,638	214,869	13,199	40,119	14,323	79,465
November 1992	W	-	41,833	198,348	12,057	40,027	W	78,082
Subdistrict IC Total								
November 1993	-	-	149,722	748,593	51,706	191,827	59,787	306,156
October 1993	-	-	154,900	755,044	53,196	193,924	60,175	304,858
November 1992	W	-	164,736	701,631	W	196,190	60,571	284,814

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								
November 1993	-	-	60,495	216,110	22,938	64,924	31,283	110,234
October 1993	-	-	61,755	209,641	23,396	62,547	30,790	107,161
November 1992	-	-	69,672	204,167	25,571	65,444	33,459	100,943
Georgia								
November 1993	-	-	28,297	146,234	9,805	33,962	10,465	54,680
October 1993	-	-	29,069	147,892	9,965	34,157	10,238	54,030
November 1992	-	-	30,785	137,847	9,554	34,964	9,893	48,327
North Carolina								
November 1993	-	-	15,462	155,632	4,797	33,387	4,253	53,240
October 1993	-	-	16,294	160,668	4,986	35,705	4,464	54,395
November 1992	-	-	16,354	149,121	4,548	36,542	3,648	50,497
South Carolina								
November 1993	-	-	18,439	80,737	5,309	17,019	4,976	24,510
October 1993	-	-	19,180	82,571	5,455	17,117	4,978	25,043
November 1992	-	-	19,183	70,636	5,014	16,141	4,231	20,190
Virginia								
November 1993	-	-	16,323	132,547	5,817	38,490	6,376	58,572
October 1993	-	-	17,045	135,879	6,196	39,864	7,254	59,003
November 1992	-	-	18,228	124,188	6,415	38,977	6,915	59,689
West Virginia								
November 1993	-	-	10,706	17,333	3,040	4,045	2,434	4,920
October 1993	-	-	11,557	18,393	3,198	4,534	2,451	5,226
November 1992	W	-	10,514	15,672	W	4,122	2,425	5,168
PAD District II Total								
November 1993	-	-	419,756	1,721,743	95,258	188,371	100,238	339,891
October 1993	-	-	448,024	1,770,901	98,703	192,097	95,666	341,007
November 1992	W	5,937	440,640	1,678,597	W	171,210	90,366	297,083
Illinois								
November 1993	-	-	50,477	225,413	12,702	30,175	15,458	55,197
October 1993	-	-	53,322	221,880	13,143	30,683	14,695	55,601
November 1992	-	W	51,928	213,456	12,721	W	12,656	50,134
Indiana								
November 1993	-	-	33,880	111,866	7,872	18,773	9,219	26,830
October 1993	-	-	36,383	120,188	8,174	18,979	8,396	27,268
November 1992	W	W	35,054	113,078	7,845	W	W	22,513
Iowa								
November 1993	-	-	8,009	95,024	W	816	824	7,127
October 1993	-	-	8,166	96,935	W	843	794	6,824
November 1992	W	-	8,683	89,665	1,022	1,095	1,004	7,648
Kansas								
November 1993	-	-	16,278	96,585	1,578	1,672	2,394	8,869
October 1993	-	-	16,669	95,775	1,573	1,708	2,232	8,720
November 1992	W	W	15,053	91,439	1,693	W	2,656	8,865
Kentucky								
November 1993	-	-	17,935	70,261	4,841	20,620	5,228	22,653
October 1993	-	-	19,240	74,708	5,055	20,896	5,357	22,437
November 1992	W	W	18,151	71,445	W	W	4,957	19,306
Michigan								
November 1993	-	-	64,777	202,991	11,491	26,330	13,807	45,795
October 1993	-	-	70,392	214,601	11,779	27,072	11,830	45,735
November 1992	W	909	70,036	194,742	11,799	24,288	W	39,176
Minnesota								
November 1993	-	-	33,923	105,781	5,419	5,530	4,623	12,184
October 1993	-	-	35,585	111,616	5,420	5,994	4,863	11,789
November 1992	W	-	32,504	97,342	5,314	4,407	W	10,221
Missouri								
November 1993	-	-	25,841	116,193	5,066	8,582	5,540	25,348
October 1993	-	-	27,755	127,558	5,300	8,792	5,590	27,433
November 1992	W	-	26,926	117,796	W	9,296	6,135	22,889
Nebraska								
November 1993	-	-	5,077	54,013	264	W	488	W
October 1993	-	-	5,205	54,273	252	W	511	W
November 1992	W	W	4,505	51,125	1,471	W	W	2,634
North Dakota								
November 1993	-	-	298	25,306	W	W	W	W
October 1993	-	-	421	25,435	W	W	W	W
November 1992	W	W	565	22,277	48	W	78	1,169

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								
November 1993	-	-	102,769	169,533	30,445	29,065	26,632	38,456
October 1993	-	-	111,458	175,505	32,023	29,654	24,989	38,319
November 1992	W	W	112,692	161,232	29,892	W	W	31,867
Oklahoma								
November 1993	-	-	17,258	168,009	3,644	1,795	3,884	20,532
October 1993	-	-	17,732	164,847	3,608	2,084	4,016	21,006
November 1992	W	967	17,512	180,214	W	2,729	4,299	19,322
South Dakota								
November 1993	-	-	567	28,190	W	W	W	W
October 1993	-	-	804	29,282	W	W	W	W
November 1992	-	W	736	26,529	W	W	W	1,635
Tennessee								
November 1993	-	-	23,538	135,049	8,661	34,879	8,774	50,395
October 1993	-	-	24,980	137,641	9,059	34,609	8,988	49,731
November 1992	-	-	25,836	128,520	8,915	32,093	8,652	41,683
Wisconsin								
November 1993	-	-	19,129	117,529	2,866	8,857	3,291	19,758
October 1993	-	-	19,912	120,657	2,870	9,653	3,321	19,595
November 1992	-	-	20,459	119,737	2,914	7,727	3,382	18,021
PAD District III Total								
November 1993	-	-	153,682	1,019,621	48,855	141,479	53,020	277,819
October 1993	-	-	150,209	1,070,303	48,218	140,035	52,685	242,828
November 1992	1,459	12,391	152,703	1,115,282	48,273	137,272	52,257	213,255
Alabama								
November 1993	-	-	8,077	93,384	2,899	19,427	3,025	32,615
October 1993	-	-	8,268	94,402	3,017	19,599	3,022	30,465
November 1992	-	-	9,170	95,512	3,090	19,534	2,785	27,250
Arkansas								
November 1993	-	-	6,746	83,010	1,780	10,112	1,284	20,373
October 1993	-	-	6,924	79,970	1,831	9,795	1,318	20,138
November 1992	-	W	7,237	68,392	1,993	W	1,364	16,801
Louisiana								
November 1993	-	-	13,089	124,434	5,089	19,449	5,819	37,412
October 1993	-	-	13,305	142,465	5,115	19,479	5,958	34,627
November 1992	-	-	13,757	109,708	5,302	22,831	6,200	35,374
Mississippi								
November 1993	-	-	2,699	73,677	802	12,986	806	32,481
October 1993	-	-	2,960	79,440	W	13,034	W	25,454
November 1992	W	W	2,989	96,785	W	W	816	22,952
New Mexico								
November 1993	-	-	8,418	41,688	419	2,221	1,067	4,788
October 1993	-	-	8,088	43,408	W	1,550	W	5,234
November 1992	W	8,218	7,417	37,662	W	633	1,033	4,761
Texas								
November 1993	-	-	114,653	603,428	37,866	77,284	41,019	150,150
October 1993	-	-	110,664	630,618	36,993	76,578	40,475	126,910
November 1992	463	4,081	112,133	707,223	36,520	73,595	40,059	106,117
PAD District IV Total								
November 1993	-	-	47,500	156,743	12,079	10,976	10,736	36,656
October 1993	-	-	43,566	178,109	11,866	11,386	10,714	36,149
November 1992	2,291	25,108	42,750	152,446	8,898	7,413	10,321	31,631
Colorado								
November 1993	-	-	38,283	56,983	9,690	7,591	7,044	14,900
October 1993	-	-	34,427	65,211	9,507	7,436	7,178	11,848
November 1992	W	3,788	33,858	56,458	W	5,854	7,112	12,640
Idaho								
November 1993	-	-	301	27,803	W	W	W	W
October 1993	-	-	261	31,320	-	W	W	W
November 1992	W	7,483	304	25,060	-	-	32	3,508
Montana								
November 1993	-	-	401	24,071	-	-	W	4,663
October 1993	-	-	448	26,454	-	-	W	5,247
November 1992	182	6,474	968	22,829	-	-	W	4,235

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								
November 1993	-	-	7,108	34,350	2,282	3,006	3,238	10,052
October 1993	-	-	6,771	39,358	W	3,371	W	11,220
November 1992	W	W	6,283	35,470	W	W	2,647	9,150
Wyoming								
November 1993	-	-	1,407	13,536	W	W	356	W
October 1993	-	-	1,659	15,766	W	W	411	W
November 1992	228	W	1,337	12,629	-	W	W	2,098
PAD District V Total								
November 1993	-	-	208,381	951,455	34,831	144,603	50,678	275,033
October 1993	-	-	204,785	1,032,729	35,133	146,643	51,884	279,265
November 1992	14,162	56,741	199,190	906,538	27,086	115,309	51,643	262,083
Alaska								
November 1993	-	-	5,743	7,682	-	-	W	1,124
October 1993	-	-	5,920	9,366	-	-	W	1,202
November 1992	738	349	5,167	6,988	-	-	646	828
Arizona								
November 1993	-	-	24,810	66,089	223	1,752	5,501	13,152
October 1993	-	-	24,195	71,942	145	W	5,837	W
November 1992	4,239	15,014	24,503	62,800	166	446	5,372	12,131
California								
November 1993	-	-	132,421	644,034	33,069	135,109	34,456	200,523
October 1993	-	-	128,567	689,011	33,303	137,041	34,677	203,755
November 1992	W	-	124,464	622,641	W	108,379	35,258	196,350
Hawaii								
November 1993	-	-	4,720	11,569	W	2,531	2,055	7,143
October 1993	-	-	5,015	11,799	W	2,603	2,201	7,414
November 1992	-	-	5,128	11,497	1,013	2,167	W	7,199
Nevada								
November 1993	-	-	3,200	43,459	570	4,991	542	11,964
October 1993	-	-	3,218	43,261	585	5,424	531	11,493
November 1992	W	131	3,403	37,964	667	4,298	W	9,847
Oregon								
November 1993	-	-	9,663	69,149	W	-	W	13,382
October 1993	-	-	9,977	79,998	W	-	W	12,305
November 1992	2,163	16,538	9,210	62,038	W	W	1,723	W
Washington								
November 1993	-	-	27,824	109,293	-	220	5,468	27,745
October 1993	-	-	27,893	127,352	W	W	W	W
November 1992	7,016	24,709	27,315	102,610	W	W	W	W

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."

**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						
November 1993	6,027	15,502	1,300,170	287,067	176,657	959,675
October 1993	6,762	19,383	1,307,820	235,521	145,488	881,485
November 1992	5,337	14,120	1,202,013	261,363	162,297	1,000,562
PAD District I Total						
November 1993	2,549	3,636	384,642	45,468	25,921	128,987
October 1993	2,732	4,111	368,716	39,931	24,269	121,381
November 1992	2,346	3,254	325,006	39,377	W	126,731
Subdistrict IA Total						
November 1993	W	447	31,574	2,246	W	6,226
October 1993	W	W	33,255	2,220	W	6,797
November 1992	W	W	28,365	2,093	W	7,105
Connecticut						
November 1993	W	44	7,249	W	W	1,176
October 1993	W	W	5,824	W	W	939
November 1992	W	-	4,757	338	W	2,391
Maine						
November 1993	W	-	W	W	W	320
October 1993	W	-	W	W	W	379
November 1992	W	-	W	W	W	W
Massachusetts						
November 1993	W	W	18,904	1,454	W	478
October 1993	W	W	21,717	1,584	W	658
November 1992	W	W	18,750	1,690	W	2,478
New Hampshire						
November 1993	W	W	690	280	W	W
October 1993	W	W	670	W	W	W
November 1992	W	W	704	W	W	1,220
Rhode Island						
November 1993	W	W	1,383	W	-	W
October 1993	W	W	1,474	W	-	W
November 1992	-	W	1,681	W	-	W
Vermont						
November 1993	W	W	W	W	W	1,027
October 1993	W	W	W	W	W	983
November 1992	W	W	W	-	W	665
Subdistrict IB Total						
November 1993	W	1,129	186,838	28,973	W	41,362
October 1993	W	W	186,406	26,456	W	40,261
November 1992	W	W	168,232	27,645	W	45,313
Delaware						
November 1993	W	-	W	W	-	W
October 1993	W	W	106	W	-	W
November 1992	W	W	88	W	-	W
District of Columbia						
November 1993	-	-	W	-	-	-
October 1993	W	-	-	-	-	-
November 1992	W	-	-	-	-	-
Maryland						
November 1993	W	W	7,894	W	W	W
October 1993	W	W	6,924	W	W	W
November 1992	W	W	5,642	W	W	W
New Jersey						
November 1993	W	W	136,464	20,274	2,228	6,624
October 1993	W	W	132,443	17,700	1,759	7,324
November 1992	161	W	123,656	18,879	388	8,752
New York						
November 1993	W	234	10,050	2,387	W	7,723
October 1993	W	353	15,552	2,196	W	8,301
November 1992	W	W	8,212	1,474	W	9,886
Pennsylvania						
November 1993	W	308	29,593	5,579	W	20,247
October 1993	W	294	31,381	6,081	W	19,988
November 1992	W	W	30,634	6,570	W	20,332
Subdistrict IC Total						
November 1993	1,602	2,060	166,230	14,249	16,372	81,399
October 1993	1,610	2,460	150,055	11,255	18,009	74,323
November 1992	1,486	2,579	128,409	9,639	W	74,313

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						
November 1993	951	1,062	79,980	7,648	5,174	19,851
October 1993	946	1,072	63,904	6,541	W	15,785
November 1992	919	1,538	57,197	4,502	W	15,902
Georgia						
November 1993	188	337	41,722	2,340	3,430	17,745
October 1993	133	W	42,485	1,540	3,598	14,543
November 1992	124	408	30,502	1,430	W	17,646
North Carolina						
November 1993	W	W	9,573	930	5,369	20,497
October 1993	W	W	6,720	1,030	7,931	22,891
November 1992	157	W	7,657	552	W	19,665
South Carolina						
November 1993	142	211	W	W	W	16,677
October 1993	W	211	W	W	W	14,688
November 1992	W	W	2,020	W	W	13,606
Virginia						
November 1993	W	71	32,269	2,941	1,430	W
October 1993	198	222	34,399	1,712	1,677	W
November 1992	W	W	30,631	2,709	1,216	6,397
West Virginia						
November 1993	W	W	W	W	W	W
October 1993	W	54	W	W	W	W
November 1992	W	W	402	W	W	1,097
PAD District II Total						
November 1993	1,407	3,904	234,985	31,705	66,849	370,943
October 1993	1,754	5,167	244,741	26,139	49,157	355,906
November 1992	1,085	3,554	247,065	24,330	86,053	454,069
Illinois						
November 1993	W	W	36,820	2,642	8,608	40,314
October 1993	W	W	40,118	2,965	10,042	42,357
November 1992	W	W	31,930	2,408	11,080	50,552
Indiana						
November 1993	126	605	46,679	3,872	7,204	22,102
October 1993	96	896	50,733	1,475	5,270	21,471
November 1992	47	501	47,549	4,026	9,339	26,296
Iowa						
November 1993	W	238	1,411	562	W	29,675
October 1993	W	293	1,318	606	W	26,595
November 1992	W	249	1,113	954	W	41,049
Kansas						
November 1993	W	272	4,504	1,170	W	89,788
October 1993	W	390	5,259	W	W	106,884
November 1992	W	259	8,966	W	W	125,323
Kentucky						
November 1993	W	102	15,382	2,476	W	14,330
October 1993	W	139	18,042	1,510	W	12,740
November 1992	W	95	18,823	1,308	798	11,287
Michigan						
November 1993	W	W	31,894	1,868	14,646	16,048
October 1993	W	W	26,105	2,704	10,080	8,404
November 1992	W	W	27,389	1,321	14,497	15,539
Minnesota						
November 1993	W	318	24,385	1,446	W	34,567
October 1993	W	427	25,566	1,599	W	33,477
November 1992	W	248	23,060	1,466	W	43,004
Missouri						
November 1993	W	304	10,848	1,909	W	28,092
October 1993	W	389	10,544	2,449	W	20,576
November 1992	W	295	8,231	1,946	915	23,978
Nebraska						
November 1993	W	167	1,491	476	W	12,074
October 1993	W	197	1,403	567	W	12,607
November 1992	W	157	1,539	429	W	18,950
North Dakota						
November 1993	W	W	498	W	W	9,882
October 1993	67	W	495	153	W	7,074
November 1992	W	W	577	106	W	9,984

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						
November 1993	W	225	25,407	5,705	5,028	18,362
October 1993	W	297	28,311	2,921	4,437	18,926
November 1992	W	209	27,636	3,895	7,908	28,989
Oklahoma						
November 1993	W	301	13,454	7,570	731	19,249
October 1993	W	320	13,710	6,931	841	17,534
November 1992	W	W	32,460	3,776	250	19,352
South Dakota						
November 1993	W	W	384	W	W	7,776
October 1993	W	W	395	W	W	4,818
November 1992	W	W	364	W	W	9,128
Tennessee						
November 1993	171	233	17,616	812	W	6,349
October 1993	202	311	18,009	669	W	5,556
November 1992	W	354	13,660	1,224	W	6,618
Wisconsin						
November 1993	-	350	4,212	786	4,997	22,335
October 1993	-	467	4,733	721	3,293	16,887
November 1992	W	331	3,768	928	5,273	22,020
PAD District III Total						
November 1993	683	3,318	276,363	138,447	63,651	371,313
October 1993	732	3,819	232,782	111,941	61,739	329,974
November 1992	565	2,499	264,997	119,548	41,613	335,785
Alabama						
November 1993	W	272	3,166	618	2,943	15,849
October 1993	W	264	3,002	724	2,400	13,146
November 1992	84	228	W	499	1,686	14,268
Arkansas						
November 1993	W	W	355	670	W	9,783
October 1993	W	W	307	W	W	8,509
November 1992	W	W	W	566	W	7,559
Louisiana						
November 1993	W	147	72,962	23,394	6,083	28,520
October 1993	W	143	54,387	6,901	7,804	22,099
November 1992	W	76	74,095	16,608	8,192	22,539
Mississippi						
November 1993	W	103	16,733	9,611	W	27,799
October 1993	111	147	18,738	W	W	22,667
November 1992	91	W	11,760	10,654	W	20,529
New Mexico						
November 1993	W	W	9,238	697	6,506	22,787
October 1993	W	W	6,289	714	W	19,505
November 1992	W	W	3,677	933	5,926	14,941
Texas						
November 1993	288	2,459	173,909	103,457	42,871	266,575
October 1993	304	2,695	150,059	96,496	41,795	244,049
November 1992	218	1,843	171,534	90,288	21,864	255,949
PAD District IV Total						
November 1993	197	740	37,852	3,829	4,480	31,619
October 1993	280	1,043	43,234	4,125	3,059	25,133
November 1992	232	695	36,642	2,982	W	28,191
Colorado						
November 1993	W	369	24,876	2,755	108	13,135
October 1993	W	464	25,425	2,293	72	8,685
November 1992	W	346	19,562	1,760	51	10,022
Idaho						
November 1993	-	W	1,244	206	W	W
October 1993	W	W	W	241	W	52
November 1992	W	W	867	262	W	73
Montana						
November 1993	W	W	1,610	W	W	6,004
October 1993	W	W	1,584	W	W	5,244
November 1992	W	W	1,843	W	W	5,738

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						
November 1993	W	205	10,011	565	1,875	W
October 1993	23	396	14,866	1,221	W	1,983
November 1992	44	195	14,234	661	W	3,979
Wyoming						
November 1993	W	W	111	W	631	9,448
October 1993	W	W	W	W	565	9,169
November 1992	W	W	136	W	483	8,379
PAD District V Total						
November 1993	1,191	3,904	366,328	67,618	15,756	56,813
October 1993	1,264	5,243	417,347	53,365	7,264	49,091
November 1992	1,109	4,118	328,303	75,126	11,055	55,786
Alaska						
November 1993	W	W	43,811	W	W	W
October 1993	W	601	55,017	3,840	W	W
November 1992	W	W	38,149	W	W	W
Arizona						
November 1993	W	343	14,716	3,101	W	749
October 1993	W	499	16,369	2,371	W	922
November 1992	W	369	18,319	2,249	W	W
California						
November 1993	617	2,386	222,434	51,925	W	40,126
October 1993	598	2,788	250,647	40,290	W	33,167
November 1992	608	2,399	183,688	60,809	W	38,528
Hawaii						
November 1993	W	W	22,070	W	W	W
October 1993	W	W	24,983	W	W	W
November 1992	W	W	26,343	W	W	W
Nevada						
November 1993	W	W	14,889	1,796	W	1,381
October 1993	W	W	15,689	1,780	W	666
November 1992	W	W	13,594	2,179	W	1,765
Oregon						
November 1993	W	266	9,642	2,225	W	557
October 1993	W	487	10,871	W	W	306
November 1992	W	253	8,665	1,368	W	212
Washington						
November 1993	63	305	38,766	2,743	W	11,843
October 1993	82	W	43,771	2,937	W	11,738
November 1992	W	W	37,545	7,537	W	8,882

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.

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						
November 1993	6,878	97,333	12,787	110,757	711,970	2,988,397
October 1993	5,917	87,272	8,854	52,285	743,071	3,141,448
November 1992	5,826	85,911	17,832	121,037	700,296	2,989,462
PAD District I Total						
November 1993	4,192	53,605	360	6,706	223,799	980,808
October 1993	3,829	39,262	250	3,822	213,388	926,957
November 1992	3,966	49,745	1,753	9,495	217,295	1,003,924
Subdistrict IA Total						
November 1993	190	5,858	W	1,524	14,815	155,231
October 1993	134	3,704	44	497	12,888	128,298
November 1992	694	5,251	371	2,566	14,160	142,746
Connecticut						
November 1993	W	W	W	119	3,321	35,363
October 1993	W	W	-	W	3,050	48,553
November 1992	W	1,427	108	153	2,832	42,302
Maine						
November 1993	W	3,205	W	1,121	730	19,809
October 1993	W	1,816	W	361	W	14,467
November 1992	W	1,715	W	1,355	945	12,795
Massachusetts						
November 1993	W	1,120	-	W	8,809	75,597
October 1993	W	913	-	W	7,374	34,706
November 1992	W	1,615	W	W	8,004	53,810
New Hampshire						
November 1993	W	W	W	W	693	W
October 1993	W	W	W	W	650	4,276
November 1992	W	W	W	W	586	4,412
Rhode Island						
November 1993	W	W	W	W	1,003	18,940
October 1993	-	W	W	W	720	24,074
November 1992	-	W	W	W	1,281	26,235
Vermont						
November 1993	-	W	-	W	259	W
October 1993	-	W	-	W	W	2,222
November 1992	-	W	W	W	512	3,192
Subdistrict IB Total						
November 1993	2,888	20,728	169	2,470	83,263	510,739
October 1993	3,012	14,313	106	1,045	79,253	475,703
November 1992	2,386	20,097	819	4,508	75,601	567,197
Delaware						
November 1993	W	W	-	-	W	17,002
October 1993	-	W	-	-	1,310	15,594
November 1992	-	W	W	W	1,176	W
District of Columbia						
November 1993	-	-	-	-	W	1,501
October 1993	-	-	-	-	172	734
November 1992	-	W	-	-	67	W
Maryland						
November 1993	W	W	15	W	12,223	30,457
October 1993	6	2,284	W	-	10,084	24,587
November 1992	33	2,223	144	82	8,686	32,328
New Jersey						
November 1993	590	2,775	-	W	16,409	186,856
October 1993	481	W	-	-	17,177	200,027
November 1992	355	4,735	W	405	16,085	213,356
New York						
November 1993	1,771	5,818	W	W	21,031	129,993
October 1993	2,267	3,747	W	W	20,291	93,757
November 1992	1,599	5,619	229	1,806	22,391	123,230
Pennsylvania						
November 1993	486	9,631	113	1,178	31,659	144,930
October 1993	258	6,477	78	567	30,219	141,004
November 1992	399	7,506	300	2,079	27,196	173,560
Subdistrict IC Total						
November 1993	1,114	27,019	W	2,712	125,721	314,838
October 1993	683	21,245	100	2,280	121,247	322,958
November 1992	886	24,397	563	2,421	127,534	293,981

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						
November 1993	349	2,113	-	W	37,740	75,807
October 1993	W	983	W	W	35,655	70,785
November 1992	112	1,833	W	W	42,264	74,156
Georgia						
November 1993	146	1,724	-	72	28,536	62,817
October 1993	78	1,368	-	W	28,884	70,089
November 1992	165	1,682	W	W	26,286	46,923
North Carolina						
November 1993	130	12,613	W	241	20,104	68,266
October 1993	W	10,526	W	68	19,381	71,610
November 1992	150	10,565	W	795	19,011	62,814
South Carolina						
November 1993	168	4,929	-	W	10,765	27,631
October 1993	79	3,790	-	W	10,919	29,209
November 1992	174	4,358	-	W	10,637	23,812
Virginia						
November 1993	204	4,983	W	1,528	17,084	66,959
October 1993	114	4,231	W	1,554	16,771	67,924
November 1992	137	5,201	180	1,200	17,979	72,440
West Virginia						
November 1993	117	657	63	267	11,492	13,358
October 1993	79	347	56	212	11,637	13,339
November 1992	148	758	96	245	11,357	13,836
PAD District II Total						
November 1993	2,071	26,845	5,902	71,707	252,360	867,136
October 1993	1,655	15,155	4,457	31,675	264,461	970,971
November 1992	1,667	17,440	7,383	77,047	238,426	762,158
Illinois						
November 1993	172	1,364	W	5,719	19,152	102,207
October 1993	127	1,000	W	1,556	17,688	112,768
November 1992	193	884	W	6,212	17,480	90,225
Indiana						
November 1993	173	2,297	201	2,982	31,277	104,527
October 1993	86	1,111	45	1,111	34,035	103,417
November 1992	W	1,752	417	5,447	32,389	79,227
Iowa						
November 1993	W	W	W	7,565	7,576	54,502
October 1993	-	274	W	2,386	8,536	62,710
November 1992	-	115	114	7,012	8,565	48,032
Kansas						
November 1993	-	349	82	7,051	14,277	52,844
October 1993	-	139	W	2,550	10,795	58,882
November 1992	-	140	201	6,645	15,104	39,038
Kentucky						
November 1993	330	2,569	174	W	23,936	43,767
October 1993	323	1,531	W	427	25,225	45,449
November 1992	219	2,137	292	1,210	22,099	43,094
Michigan						
November 1993	166	3,385	935	5,463	17,383	70,223
October 1993	91	2,825	W	6,468	20,786	71,834
November 1992	154	2,526	721	7,746	15,266	60,028
Minnesota						
November 1993	W	2,902	1,041	9,611	9,824	46,620
October 1993	W	638	821	2,854	9,849	65,294
November 1992	W	308	1,185	9,556	10,781	50,619
Missouri						
November 1993	W	587	W	1,528	10,697	49,107
October 1993	-	253	W	887	10,514	54,626
November 1992	-	396	W	1,793	8,897	41,465
Nebraska						
November 1993	-	210	W	6,692	9,181	24,989
October 1993	-	W	W	1,879	11,930	30,450
November 1992	-	51	W	5,802	W	23,404
North Dakota						
November 1993	W	W	W	5,081	5,223	14,509
October 1993	-	W	W	1,571	W	21,626
November 1992	W	-	W	3,453	W	11,888

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						
November 1993	891	6,618	W	W	55,387	80,391
October 1993	766	4,478	79	444	57,681	90,742
November 1992	817	6,326	263	1,610	52,964	80,129
Oklahoma						
November 1993	-	W	W	1,717	13,031	78,856
October 1993	W	39	116	3,012	13,168	89,207
November 1992	-	133	115	6,099	11,011	64,758
South Dakota						
November 1993	-	W	W	6,246	219	17,902
October 1993	-	89	W	2,304	W	22,866
November 1992	-	W	W	4,508	221	13,434
Tennessee						
November 1993	232	3,795	-	950	27,211	64,190
October 1993	221	2,456	-	645	29,982	73,876
November 1992	144	2,616	222	1,011	25,272	60,082
Wisconsin						
November 1993	W	420	219	9,082	7,986	62,502
October 1993	W	W	NA	3,581	8,137	67,224
November 1992	W	45	255	8,943	6,836	56,735
PAD District III Total						
November 1993	W	15,551	809	2,004	115,371	672,187
October 1993	117	12,222	799	1,772	129,393	710,776
November 1992	W	17,272	665	3,380	115,543	747,253
Alabama						
November 1993	32	1,119	-	47	15,540	42,340
October 1993	19	852	-	W	13,598	44,944
November 1992	33	761	26	W	13,665	44,556
Arkansas						
November 1993	W	199	-	W	11,588	42,504
October 1993	-	83	-	W	11,815	56,949
November 1992	W	W	W	W	9,111	30,166
Louisiana						
November 1993	W	7,081	-	W	14,469	127,355
October 1993	W	6,435	-	W	15,534	149,332
November 1992	W	1,673	-	W	13,775	141,242
Mississippi						
November 1993	W	W	-	-	6,531	71,129
October 1993	W	W	-	W	8,312	62,304
November 1992	W	W	46	W	6,459	72,977
New Mexico						
November 1993	-	NA	W	801	7,323	19,025
October 1993	-	W	W	276	6,549	20,203
November 1992	W	214	W	963	8,109	19,145
Texas						
November 1993	W	594	W	1,086	59,920	369,834
October 1993	W	469	W	366	73,585	377,044
November 1992	W	804	W	1,552	64,424	439,167
PAD District IV Total						
November 1993	W	247	2,107	17,118	33,224	82,557
October 1993	W	203	971	7,354	36,612	111,630
November 1992	W	W	2,313	18,004	27,361	81,757
Colorado						
November 1993	-	193	W	4,851	8,110	26,843
October 1993	-	W	590	2,367	10,062	29,600
November 1992	W	W	617	6,600	7,557	22,582
Idaho						
November 1993	-	W	W	2,944	W	12,280
October 1993	-	W	W	781	W	17,093
November 1992	-	W	W	2,741	W	13,035
Montana						
November 1993	-	-	145	3,873	W	12,196
October 1993	-	-	W	1,881	W	19,611
November 1992	-	-	W	2,800	W	11,957

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						
November 1993	-	W	418	2,484	8,969	17,983
October 1993	-	W	W	983	9,398	25,404
November 1992	-	W	722	3,072	6,910	18,809
Wyoming						
November 1993	W	-	418	2,988	9,375	13,275
October 1993	W	W	153	1,342	10,663	19,922
November 1992	-	-	611	2,791	6,948	15,374
PAD District V Total						
November 1993	354	1,085	3,609	13,222	87,216	385,709
October 1993	W	430	2,377	7,662	99,217	421,114
November 1992	-	W	5,738	13,111	101,671	394,370
Alaska						
November 1993	-	-	2,481	5,172	W	10,133
October 1993	-	-	1,621	4,507	2,966	17,981
November 1992	-	-	4,868	6,058	2,603	9,906
Arizona						
November 1993	W	W	W	116	9,034	26,521
October 1993	W	W	W	56	10,472	23,323
November 1992	-	-	37	84	9,272	22,115
California						
November 1993	-	263	W	1,032	30,941	204,171
October 1993	-	236	W	697	41,385	211,041
November 1992	-	380	W	1,052	53,397	233,292
Hawaii						
November 1993	-	-	W	-	W	4,619
October 1993	-	-	W	W	10,750	4,274
November 1992	-	-	W	W	8,335	5,055
Nevada						
November 1993	-	-	W	439	3,014	16,894
October 1993	-	-	W	259	2,785	20,093
November 1992	-	-	244	499	2,351	19,337
Oregon						
November 1993	-	W	W	2,140	14,552	47,077
October 1993	-	W	W	797	12,802	58,731
November 1992	-	W	114	2,232	11,491	40,500
Washington						
November 1993	W	W	137	4,323	17,812	76,294
October 1993	-	W	93	1,343	18,057	85,671
November 1992	-	W	226	2,904	14,222	64,165

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								
November 1993	18,610	11,880	97,271	143,636	290,172	192,972	387,443	336,608
October 1993	17,456	12,919	116,310	192,284	305,692	241,351	422,002	433,635
November 1992	15,774	15,080	212,332	171,222	407,569	258,774	619,901	429,996
PAD District I Total								
November 1993	14,263	11,245	71,423	102,338	134,875	38,047	208,298	140,385
October 1993	13,137	9,226	76,687	127,455	114,521	63,656	191,208	191,111
November 1992	12,778	13,107	181,872	100,063	177,310	53,063	359,182	153,126
Subdistrict IA Total								
November 1993	W	W	W	W	W	W	11,240	W
October 1993	W	W	W	W	W	W	11,382	102,762
November 1992	W	W	W	W	W	W	54,402	25,092
Subdistrict IB Total								
November 1993	W	8,293	W	74,870	W	13,065	88,667	87,935
October 1993	11,574	4,745	W	56,827	W	W	86,750	W
November 1992	W	10,944	115,821	80,221	61,029	32,474	176,850	112,695
Subdistrict IC Total								
November 1993	598	W	7,385	W	99,006	W	106,391	W
October 1993	W	W	14,558	W	78,518	W	93,076	W
November 1992	1,421	W	W	W	W	W	127,930	15,339
PAD District II Total								
November 1993	W	W	437	W	3,979	W	4,416	22,023
October 1993	W	W	W	W	W	W	5,502	21,109
November 1992	1,722	W	W	W	3,915	W	W	12,274
PAD District III Total								
November 1993	W	-	-	28,108	63,366	108,495	63,366	136,601
October 1993	W	W	W	37,457	65,239	107,051	W	144,508
November 1992	W	W	W	53,549	W	99,945	101,666	153,494
PAD District IV Total								
November 1993	-	-	W	W	W	W	955	2,934
October 1993	-	-	W	W	W	W	W	16,869
November 1992	W	-	-	W	W	W	W	3,759
PAD District V Total								
November 1993	W	W	W	10,069	W	24,596	112,408	34,665
October 1993	W	W	38,624	11,284	120,442	48,754	159,066	60,036
November 1992	W	1,688	29,141	15,259	124,833	92,084	153,974	107,343

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					
November 1993	-	6,590,066	1,180,231	1,958,738	9,729,035
October 1993	-	6,792,113	1,200,413	1,954,122	9,946,648
November 1992	120,287	6,602,939	1,120,702	1,812,091	9,656,019
PAD District I Total					
November 1993	-	2,033,105	508,576	880,741	3,422,422
October 1993	-	2,087,735	519,338	892,074	3,499,147
November 1992	139	1,984,442	496,736	810,018	3,291,335
Subdistrict IA Total					
November 1993	-	289,235	66,913	112,246	468,394
October 1993	-	305,498	70,204	115,259	490,961
November 1992	-	290,181	61,116	106,610	457,907
Connecticut					
November 1993	-	64,826	18,564	28,182	111,572
October 1993	-	68,422	19,654	29,797	117,873
November 1992	-	73,574	16,519	27,642	117,735
Maine					
November 1993	-	40,885	7,712	10,178	58,775
October 1993	-	46,113	8,290	11,354	65,757
November 1992	-	42,417	6,995	10,407	59,819
Massachusetts					
November 1993	-	121,809	27,735	52,734	202,278
October 1993	-	125,891	28,962	51,218	206,071
November 1992	-	109,512	24,823	47,620	181,955
New Hampshire					
November 1993	-	21,565	4,551	6,276	32,392
October 1993	-	24,060	4,820	6,993	35,873
November 1992	-	22,239	4,467	6,535	33,241
Rhode Island					
November 1993	-	27,765	5,911	11,068	44,744
October 1993	-	27,094	5,812	11,405	44,311
November 1992	-	31,025	6,243	11,163	48,431
Vermont					
November 1993	-	12,385	2,440	3,808	18,633
October 1993	-	13,918	2,666	4,492	21,076
November 1992	-	11,414	2,069	3,243	16,726
Subdistrict IB Total					
November 1993	-	797,535	185,865	381,544	1,364,944
October 1993	-	813,869	191,787	396,807	1,402,463
November 1992	W	794,459	W	361,219	1,335,200
Delaware					
November 1993	-	18,766	6,602	6,086	31,454
October 1993	-	19,715	6,889	6,025	32,629
November 1992	-	17,121	6,099	6,305	29,525
District of Columbia					
November 1993	-	4,261	2,592	6,059	12,912
October 1993	-	4,400	2,767	6,643	13,810
November 1992	-	4,934	2,699	5,658	13,291
Maryland					
November 1993	-	88,020	31,725	44,574	164,319
October 1993	-	86,917	32,747	46,335	165,999
November 1992	-	83,626	31,270	39,697	154,593
New Jersey					
November 1993	-	166,015	39,408	110,144	315,567
October 1993	-	167,159	39,860	113,563	320,582
November 1992	-	190,307	37,834	110,531	338,672
New York					
November 1993	-	255,411	48,058	123,043	426,512
October 1993	-	267,897	50,980	126,276	445,153
November 1992	W	237,261	W	110,405	393,163
Pennsylvania					
November 1993	-	265,062	57,480	91,638	414,180
October 1993	-	267,781	58,544	95,965	422,290
November 1992	W	261,211	W	88,624	405,957

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					
November 1993	-	946,335	255,798	386,951	1,589,084
October 1993	-	968,368	257,347	380,008	1,605,723
November 1992	W	899,802	W	342,188	1,498,227
Florida					
November 1993	-	275,125	90,225	143,920	509,270
October 1993	-	280,667	88,287	140,686	509,640
November 1992	-	278,673	91,998	135,998	506,669
Georgia					
November 1993	-	194,506	48,199	71,002	313,707
October 1993	-	195,964	48,127	69,430	313,521
November 1992	W	178,475	W	61,203	285,946
North Carolina					
November 1993	-	182,965	40,625	60,865	284,455
October 1993	-	187,373	42,577	59,818	289,768
November 1992	-	174,993	41,777	50,489	267,258
South Carolina					
November 1993	-	104,445	22,484	30,563	157,492
October 1993	-	107,110	22,456	30,739	160,305
November 1992	-	95,566	22,383	25,650	143,599
Virginia					
November 1993	-	156,536	46,851	72,122	275,509
October 1993	-	162,364	47,746	70,527	280,637
November 1992	-	144,183	46,253	60,817	251,253
West Virginia					
November 1993	-	32,758	7,414	8,479	48,651
October 1993	-	34,890	8,154	8,808	51,852
November 1992	W	27,912	W	8,032	43,502
PAD District II Total					
November 1993	-	2,124,680	289,800	447,646	2,862,107
October 1993	-	2,194,285	297,333	432,159	2,923,778
November 1992	6,030	2,144,953	276,674	400,725	2,828,382
Illinois					
November 1993	-	262,201	46,638	69,510	378,348
October 1993	-	261,453	46,943	68,808	377,204
November 1992	W	300,611	W	74,677	423,278
Indiana					
November 1993	-	155,215	27,888	38,966	222,070
October 1993	-	166,492	28,790	36,723	232,005
November 1992	W	151,972	W	30,183	210,525
Iowa					
November 1993	-	107,164	1,316	8,299	116,779
October 1993	-	111,826	1,348	8,012	121,186
November 1992	W	99,170	W	8,398	110,153
Kansas					
November 1993	-	105,999	4,098	12,395	122,492
October 1993	-	103,781	3,937	10,219	117,937
November 1992	14	96,088	4,062	11,736	111,900
Kentucky					
November 1993	-	103,121	25,366	32,320	160,807
October 1993	-	108,343	27,081	32,180	167,584
November 1992	W	97,687	W	27,215	147,721
Michigan					
November 1993	-	274,530	37,563	59,490	371,583
October 1993	-	291,498	38,886	57,788	388,172
November 1992	958	266,091	36,026	50,919	353,994
Minnesota					
November 1993	-	144,689	10,757	15,120	170,566
October 1993	-	150,557	11,353	14,751	176,662
November 1992	149	132,140	10,391	15,006	157,636
Missouri					
November 1993	-	161,501	18,115	34,383	213,999
October 1993	-	170,479	18,912	34,509	223,900
November 1992	30	156,776	18,519	30,425	205,750

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					
November 1993	-	61,172	267	3,804	65,243
October 1993	-	59,582	253	3,654	63,489
November 1992	255	55,842	1,713	3,094	60,904
North Dakota					
November 1993	-	27,610	W	W	30,306
October 1993	-	27,174	W	W	29,677
November 1992	W	22,644	W	1,232	25,320
Ohio					
November 1993	-	275,879	58,333	65,008	399,220
October 1993	-	284,708	60,585	62,984	408,277
November 1992	W	275,202	W	54,169	379,282
Oklahoma					
November 1993	-	121,909	6,132	24,842	152,883
October 1993	-	127,928	6,222	20,880	155,030
November 1992	975	173,226	6,299	22,760	203,260
South Dakota					
November 1993	-	28,508	W	W	30,832
October 1993	-	30,973	W	W	33,482
November 1992	W	27,805	W	1,684	30,099
Tennessee					
November 1993	-	150,673	39,838	56,012	246,523
October 1993	-	151,690	39,498	54,675	245,863
November 1992	-	147,705	38,649	47,444	233,798
Wisconsin					
November 1993	-	144,489	12,161	23,805	180,455
October 1993	-	147,801	12,159	23,350	183,310
November 1992	W	141,994	W	21,803	174,712
PAD District III Total					
November 1993	-	1,021,250	190,011	275,748	1,487,009
October 1993	-	1,025,185	188,191	263,601	1,476,977
November 1992	13,778	1,154,020	185,995	250,009	1,603,802
Alabama					
November 1993	-	106,176	22,745	36,568	165,489
October 1993	-	105,552	22,986	34,390	162,928
November 1992	-	105,994	22,736	30,581	159,311
Arkansas					
November 1993	-	91,985	12,451	22,954	127,390
October 1993	-	93,020	11,907	22,401	127,328
November 1992	W	78,916	W	18,644	108,952
Louisiana					
November 1993	-	95,417	24,146	40,489	160,052
October 1993	-	102,722	24,391	40,059	167,172
November 1992	-	115,097	27,955	41,049	184,101
Mississippi					
November 1993	-	73,202	14,869	22,769	110,840
October 1993	-	77,233	14,623	20,234	112,090
November 1992	-	98,749	12,934	16,869	128,552
New Mexico					
November 1993	-	56,406	2,372	6,168	64,946
October 1993	-	58,257	1,843	6,589	66,689
November 1992	9,313	45,871	946	5,938	62,068
Texas					
November 1993	-	598,065	113,428	146,800	858,293
October 1993	-	588,401	112,441	139,928	840,770
November 1992	W	709,393	W	136,928	960,818
PAD District IV Total					
November 1993	-	214,452	23,582	43,421	281,455
October 1993	-	239,382	23,529	47,234	310,145
November 1992	28,160	200,094	16,217	42,290	286,761
Colorado					
November 1993	-	95,079	17,473	18,189	130,741
October 1993	-	99,490	17,232	19,448	136,170
November 1992	5,569	92,657	12,993	20,204	131,423

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					
November 1993	-	33,150	W	W	37,947
October 1993	-	38,603	W	W	44,125
November 1992	7,721	26,136	-	3,580	37,437
Montana					
November 1993	-	25,458	W	W	30,474
October 1993	-	31,290	-	5,299	36,589
November 1992	6,591	23,736	-	4,404	34,731
Utah					
November 1993	-	43,297	5,310	13,097	61,704
October 1993	-	50,336	5,583	14,093	70,012
November 1992	5,737	42,682	W	W	63,403
Wyoming					
November 1993	-	17,468	137	2,984	20,589
October 1993	-	19,663	W	W	23,249
November 1992	2,542	14,683	W	W	19,767
PAD District V Total					
November 1993	-	1,196,599	166,262	311,181	1,676,043
October 1993	-	1,245,526	172,022	319,054	1,736,602
November 1992	72,180	1,119,430	145,080	309,049	1,645,739
Alaska					
November 1993	-	14,341	-	2,036	16,377
October 1993	-	15,883	-	2,482	18,365
November 1992	1,067	12,181	-	1,474	14,742
Arizona					
November 1993	-	105,959	1,844	19,042	126,845
October 1993	-	104,823	1,673	20,003	126,499
November 1992	19,663	89,435	719	17,752	127,569
California					
November 1993	-	765,347	156,725	224,153	1,146,225
October 1993	-	782,231	160,229	228,423	1,170,883
November 1992	W	759,175	136,248	W	1,122,180
Hawaii					
November 1993	-	16,313	3,516	9,227	29,056
October 1993	-	16,820	3,652	9,625	30,097
November 1992	-	16,632	3,178	9,403	29,213
Nevada					
November 1993	-	45,849	5,863	10,159	61,871
October 1993	-	45,948	6,318	9,371	61,637
November 1992	166	40,946	4,852	10,401	56,365
Oregon					
November 1993	-	90,022	W	W	103,207
October 1993	-	106,994	W	W	121,116
November 1992	W	71,595	W	12,850	103,309
Washington					
November 1993	-	158,768	W	W	192,460
October 1993	-	172,827	W	W	208,005
November 1992	32,446	129,466	W	W	192,361

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							
November 1993	23,448	1,591,381	93,752	1,229,505	326,171	601,273	927,445
October 1993	27,125	1,580,406	94,530	1,095,259	361,014	677,421	1,038,435
November 1992	19,894	1,524,851	144,765	1,247,196	446,605	791,861	1,238,466
PAD District I Total							
November 1993	6,196	423,828	W	195,920	247,044	331,967	579,011
October 1993	6,802	409,980	W	178,053	272,574	369,684	642,258
November 1992	5,660	366,821	W	185,348	343,312	338,011	681,323
Subdistrict IA Total							
November 1993	664	33,867	W	13,673	56,867	68,229	125,096
October 1993	865	36,037	W	12,297	74,813	99,577	174,390
November 1992	613	30,456	W	19,095	61,124	75,965	137,089
Connecticut							
November 1993	103	7,693	W	2,036	3,984	-	3,984
October 1993	143	6,134	-	1,832	6,575	-	6,575
November 1992	W	5,094	-	4,164	W	W	19,597
Maine							
November 1993	W	W	-	1,932	17,327	18,120	35,447
October 1993	W	W	-	1,759	7,743	22,242	29,985
November 1992	W	W	W	1,868	8,945	18,443	27,388
Massachusetts							
November 1993	115	21,401	W	2,749	29,861	33,122	62,983
October 1993	281	23,381	-	2,835	56,664	57,601	114,265
November 1992	W	20,457	W	4,944	10,061	51,378	61,439
New Hampshire							
November 1993	34	895	-	3,198	659	16,122	16,781
October 1993	77	965	-	3,038	1,193	18,929	20,122
November 1992	54	697	-	4,689	W	W	23,232
Rhode Island							
November 1993	W	1,450	W	888	W	W	4,933
October 1993	W	1,865	W	687	W	W	2,540
November 1992	W	1,686	-	943	W	W	4,414
Vermont							
November 1993	43	W	-	2,870	W	W	968
October 1993	46	W	-	2,146	W	W	903
November 1992	39	W	-	2,487	W	W	1,019
Subdistrict IB Total							
November 1993	1,869	213,644	W	61,690	164,150	95,551	259,700
October 1993	1,860	215,674	W	55,044	145,911	108,015	253,926
November 1992	982	196,817	W	59,476	254,724	107,111	361,835
Delaware							
November 1993	W	W	-	W	16,834	7,474	24,308
October 1993	W	232	W	W	18,771	7,753	26,524
November 1992	W	262	W	W	W	2,801	W
District of Columbia							
November 1993	-	W	-	-	W	-	W
October 1993	W	-	-	-	W	-	W
November 1992	W	-	-	W	W	-	W
Maryland							
November 1993	W	8,288	W	W	W	18,445	W
October 1993	218	7,561	W	W	W	4,852	W
November 1992	149	5,769	W	3,634	22,673	17,069	39,742
New Jersey							
November 1993	787	156,308	W	9,562	25,025	20,075	45,099
October 1993	595	158,460	W	8,738	17,520	18,573	36,093
November 1992	323	143,719	-	9,628	54,695	22,928	77,623
New York							
November 1993	366	12,537	-	16,398	86,885	28,744	115,629
October 1993	443	12,600	-	14,009	76,307	50,738	127,045
November 1992	225	9,821	W	16,013	160,974	45,726	206,700
Pennsylvania							
November 1993	568	35,541	-	25,831	25,226	20,813	46,039
October 1993	568	36,821	-	24,704	12,161	26,099	38,260
November 1992	228	37,246	-	24,530	11,004	18,567	29,591

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							
November 1993	3,663	176,117	W	120,557	26,028	168,187	194,215
October 1993	4,077	158,269	-	110,712	51,850	162,092	213,942
November 1992	4,065	139,548	-	106,777	27,484	154,935	182,399
Florida							
November 1993	2,013	84,342	-	28,325	24,589	112,181	136,770
October 1993	2,019	67,433	-	22,903	50,201	109,362	159,563
November 1992	2,458	61,816	-	26,524	22,697	92,848	115,545
Georgia							
November 1993	525	44,343	-	28,125	-	10,243	10,243
October 1993	607	44,365	-	24,650	W	W	11,073
November 1992	532	32,308	-	25,877	-	10,789	10,789
North Carolina							
November 1993	444	10,953	-	33,219	W	W	22,682
October 1993	544	7,964	-	35,999	W	W	19,211
November 1992	448	8,832	-	27,783	W	25,672	W
South Carolina							
November 1993	353	2,563	W	18,065	W	W	W
October 1993	327	2,481	-	15,295	W	W	W
November 1992	282	2,452	-	14,953	W	W	W
Virginia							
November 1993	225	33,386	-	11,138	284	14,587	14,871
October 1993	424	35,498	-	10,076	497	14,170	14,667
November 1992	258	33,878	-	10,025	732	16,526	17,258
West Virginia							
November 1993	103	530	-	1,685	W	W	W
October 1993	156	528	-	1,789	W	W	W
November 1992	87	462	-	1,615	W	W	4,174
PAD District II Total							
November 1993	4,844	262,102	24,039	488,013	W	W	27,632
October 1993	7,943	280,026	25,470	440,358	1,288	21,463	22,751
November 1992	4,819	271,280	26,114	590,578	7,279	19,883	27,162
Illinois							
November 1993	W	25,457	W	54,986	W	W	3,216
October 1993	621	30,280	W	58,977	W	W	174
November 1992	W	24,824	W	78,305	W	W	11,012
Indiana							
November 1993	731	48,256	W	38,030	W	W	6,916
October 1993	879	54,299	5,704	33,673	-	4,007	4,007
November 1992	730	51,553	W	49,634	W	W	1,088
Iowa							
November 1993	W	1,965	W	54,750	-	W	W
October 1993	309	1,924	W	41,791	-	W	W
November 1992	265	2,066	W	81,305	-	W	W
Kansas							
November 1993	303	5,042	W	77,117	W	-	W
October 1993	406	5,889	W	89,719	-	-	-
November 1992	283	9,337	W	99,729	W	-	W
Kentucky							
November 1993	145	18,009	-	17,837	-	W	W
October 1993	252	19,595	-	14,773	-	W	W
November 1992	123	20,154	-	12,671	W	W	433
Michigan							
November 1993	634	33,690	W	33,005	W	W	2,279
October 1993	942	28,781	-	21,634	W	W	W
November 1992	610	28,709	-	38,081	96	1,271	1,367
Minnesota							
November 1993	W	23,945	W	45,349	W	NA	NA
October 1993	453	32,812	W	39,358	-	4,719	4,719
November 1992	251	24,526	W	61,073	W	W	6,335
Missouri							
November 1993	323	26,775	W	37,027	-	W	W
October 1993	413	28,045	W	29,485	W	W	W
November 1992	312	19,700	W	31,794	W	W	1,211

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							
November 1993	180	1,965	-	13,281	-	W	W
October 1993	222	1,970	-	13,704	-	W	W
November 1992	176	1,967	-	20,818	-	W	W
North Dakota							
November 1993	W	666	W	9,871	-	W	W
October 1993	W	648	W	7,302	-	W	W
November 1992	W	683	-	10,165	-	-	-
Ohio							
November 1993	623	32,874	W	33,424	W	W	4,325
October 1993	752	32,117	W	30,317	W	W	2,680
November 1992	467	32,362	W	35,404	W	W	1,420
Oklahoma							
November 1993	338	17,095	W	22,230	-	W	W
October 1993	354	17,783	W	21,073	W	-	W
November 1992	W	35,178	8,291	21,416	-	W	W
South Dakota							
November 1993	W	635	W	9,944	-	W	W
October 1993	W	647	W	5,948	-	W	W
November 1992	W	536	W	11,074	-	W	W
Tennessee							
November 1993	403	20,614	W	9,559	W	W	857
October 1993	1,565	19,753	W	9,034	W	W	1,182
November 1992	480	14,976	W	9,030	W	W	1,121
Wisconsin							
November 1993	W	5,114	-	31,603	W	W	3,444
October 1993	475	5,483	-	23,570	W	W	5,520
November 1992	331	4,709	-	32,079	-	2,216	2,216
PAD District III Total							
November 1993	3,641	401,241	47,148	421,943	36,627	129,203	165,830
October 1993	4,241	352,492	45,923	379,465	35,343	138,398	173,741
November 1992	3,062	417,873	68,188	381,794	47,727	192,967	240,694
Alabama							
November 1993	387	3,846	W	19,968	W	W	6,776
October 1993	381	4,576	W	16,922	W	W	11,683
November 1992	312	4,188	W	16,804	W	W	6,783
Arkansas							
November 1993	196	514	W	16,448	-	W	W
October 1993	331	919	W	12,516	-	-	-
November 1992	W	894	W	12,727	-	W	W
Louisiana							
November 1993	269	99,643	28,176	30,408	W	W	62,194
October 1993	283	67,962	26,208	27,449	W	W	64,807
November 1992	173	87,726	24,741	27,776	7,509	88,559	96,068
Mississippi							
November 1993	W	19,546	W	31,089	W	W	W
October 1993	W	19,996	5,508	22,963	W	W	11,044
November 1992	149	33,716	5,595	21,554	-	W	W
New Mexico							
November 1993	W	9,935	W	25,033	W	W	240
October 1993	W	7,764	W	21,281	W	W	753
November 1992	W	4,610	6,037	20,856	W	W	198
Texas							
November 1993	2,371	267,757	13,374	298,997	15,168	59,739	74,907
October 1993	2,644	251,275	11,463	278,334	21,837	63,617	85,454
November 1992	2,060	286,739	29,048	262,077	40,120	96,937	137,057
PAD District IV Total							
November 1993	946	41,012	10,183	36,502	W	W	3,833
October 1993	1,337	47,229	10,660	26,729	2,105	476	2,581
November 1992	927	39,629	W	31,382	2,372	1,309	3,681
Colorado							
November 1993	426	26,891	W	14,180	-	-	-
October 1993	534	27,532	W	8,693	-	-	-
November 1992	379	21,322	W	11,057	-	-	-

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							
November 1993	W	1,468	W	3,013	-	-	-
October 1993	W	1,479	-	2,299	-	-	-
November 1992	W	1,130	W	2,664	-	-	-
Montana							
November 1993	W	1,812	W	5,398	-	W	W
October 1993	W	1,871	W	4,723	W	W	W
November 1992	W	2,063	W	5,355	-	W	W
Utah							
November 1993	246	10,608	4,039	5,544	W	W	667
October 1993	420	16,114	4,753	3,374	W	W	W
November 1992	239	14,905	5,182	5,150	W	W	W
Wyoming							
November 1993	86	213	W	8,367	W	W	W
October 1993	73	233	W	7,640	W	W	W
November 1992	76	209	W	7,156	W	W	W
PAD District V Total							
November 1993	7,821	483,397	W	87,127	39,803	111,336	151,139
October 1993	6,802	490,679	W	70,854	49,704	147,400	197,104
November 1992	5,226	429,248	31,490	78,094	45,915	239,691	285,606
Alaska							
November 1993	W	42,779	W	W	-	W	W
October 1993	1,298	58,760	W	W	-	W	W
November 1992	W	38,811	W	W	-	W	W
Arizona							
November 1993	501	17,740	-	3,939	W	-	W
October 1993	689	18,681	W	3,185	-	W	W
November 1992	559	20,715	W	7,066	W	W	W
California							
November 1993	2,913	288,814	W	51,562	14,765	57,967	72,732
October 1993	3,297	294,584	W	42,717	W	W	80,762
November 1992	3,006	253,196	30,782	45,230	16,925	117,537	134,462
Hawaii							
November 1993	W	26,228	-	W	W	W	33,060
October 1993	W	25,784	-	W	W	W	48,006
November 1992	W	26,665	-	W	W	W	34,986
Nevada							
November 1993	196	16,642	-	3,860	W	W	W
October 1993	W	17,204	-	2,022	W	W	W
November 1992	287	15,773	W	4,164	W	W	W
Oregon							
November 1993	283	11,859	-	4,580	-	8,645	8,645
October 1993	507	13,498	-	3,420	-	W	W
November 1992	265	10,033	-	3,916	-	24,036	24,036
Washington							
November 1993	356	59,335	-	15,089	-	35,726	35,726
October 1993	682	62,168	-	14,242	-	56,928	56,928
November 1992	470	62,055	-	13,167	-	70,813	70,813

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							
November 1993	109,992	126,944	1,210,426	2,659,176	3,869,602	44,077	4,150,616
October 1993	81,055	64,530	1,118,783	2,842,801	3,961,584	29,271	4,136,439
November 1992	99,954	141,915	1,778,825	2,140,696	3,919,521	46,337	4,207,727
PAD District I Total							
November 1993	71,839	10,189	789,976	722,322	1,512,298	38,103	1,632,428
October 1993	56,847	8,010	623,571	721,195	1,344,766	23,894	1,433,516
November 1992	65,452	13,551	1,046,420	473,180	1,519,600	41,603	1,640,206
Subdistrict IA Total							
November 1993	12,727	W	241,795	70,658	312,453	W	336,603
October 1993	7,766	522	161,223	67,836	229,059	4,998	242,345
November 1992	11,496	2,719	269,231	44,889	314,120	10,894	339,229
Connecticut							
November 1993	1,664	117	56,504	16,767	73,271	1,710	76,762
October 1993	1,029	31	33,178	16,186	49,364	1,108	51,532
November 1992	1,410	262	67,201	10,222	77,423	1,940	81,035
Maine							
November 1993	6,052	W	26,837	15,504	42,341	W	49,951
October 1993	3,046	340	23,849	11,100	34,949	437	38,772
November 1992	4,847	1,223	31,051	5,911	36,962	702	43,734
Massachusetts							
November 1993	2,735	W	97,194	21,100	118,294	W	126,065
October 1993	2,062	W	60,731	22,662	83,393	W	87,488
November 1992	2,900	253	100,839	15,785	116,624	6,018	125,795
New Hampshire							
November 1993	1,448	W	22,522	9,565	32,087	W	34,358
October 1993	1,007	W	17,057	9,549	26,606	W	28,030
November 1992	1,151	W	27,424	7,739	35,163	W	37,405
Rhode Island							
November 1993	397	W	33,110	5,533	38,643	W	40,796
October 1993	W	W	22,264	5,907	28,171	818	29,223
November 1992	204	W	35,012	3,209	38,221	W	40,142
Vermont							
November 1993	431	W	5,628	2,189	7,817	W	8,671
October 1993	W	W	4,144	2,432	6,576	207	7,300
November 1992	984	146	7,704	2,023	9,727	261	11,118
Subdistrict IB Total							
November 1993	28,447	6,431	407,470	273,346	680,817	26,774	742,469
October 1993	23,694	4,660	316,536	276,914	593,450	18,014	639,818
November 1992	27,004	7,665	593,365	149,593	744,958	28,805	808,432
Delaware							
November 1993	W	-	9,310	8,636	17,946	W	18,620
October 1993	W	-	7,443	11,178	18,621	W	19,068
November 1992	W	W	17,527	7,823	25,350	W	26,110
District of Columbia							
November 1993	W	W	4,883	622	5,505	W	6,438
October 1993	W	W	2,684	535	3,219	W	5,687
November 1992	W	-	6,271	452	6,723	W	6,890
Maryland							
November 1993	3,237	W	32,616	29,938	62,554	W	66,880
October 1993	2,324	W	21,857	33,348	55,205	W	58,296
November 1992	2,534	228	44,212	15,026	59,230	206	62,206
New Jersey							
November 1993	3,357	W	122,309	71,533	193,842	W	202,229
October 1993	3,674	W	106,592	72,974	179,566	W	186,777
November 1992	5,199	1,801	206,897	34,190	241,087	5,295	253,382
New York							
November 1993	12,056	1,564	145,104	55,179	200,283	21,778	235,681
October 1993	10,015	636	98,821	61,835	160,656	13,248	184,555
November 1992	9,702	2,239	165,838	31,183	197,021	22,919	231,881
Pennsylvania							
November 1993	9,117	W	93,248	107,436	200,684	W	212,621
October 1993	7,226	W	79,139	97,044	176,183	W	185,435
November 1992	8,948	W	154,620	60,919	215,539	W	227,983

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							
November 1993	30,665	W	140,711	378,317	519,028	W	553,355
October 1993	25,387	2,828	145,812	376,445	522,257	882	551,354
November 1992	26,952	3,167	181,824	278,698	460,522	1,904	492,545
Florida							
November 1993	2,290	W	17,218	111,490	128,708	W	131,492
October 1993	1,074	208	18,992	108,423	127,415	314	129,011
November 1992	1,945	529	27,717	98,607	126,324	327	129,125
Georgia							
November 1993	2,041	W	NA	81,872	109,000	W	111,234
October 1993	1,490	W	27,358	77,141	104,499	W	106,219
November 1992	2,010	36	19,227	62,374	81,601	195	83,842
North Carolina							
November 1993	10,802	NA	24,501	74,663	99,164	W	110,493
October 1993	10,564	W	28,492	73,933	102,425	W	113,309
November 1992	10,991	W	45,810	42,363	88,173	W	100,199
South Carolina							
November 1993	5,640	W	16,043	32,257	48,300	W	54,009
October 1993	4,109	W	14,580	32,281	46,861	W	51,359
November 1992	4,428	W	17,694	18,872	36,566	W	41,065
Virginia							
November 1993	8,495	NA	41,668	64,367	106,035	NA	116,514
October 1993	7,240	1,822	44,012	68,608	112,620	NA	121,821
November 1992	6,516	1,387	62,197	39,293	101,490	1,115	110,508
West Virginia							
November 1993	1,397	395	14,153	13,668	27,821	-	29,613
October 1993	910	W	12,378	16,059	28,437	W	29,635
November 1992	1,062	376	9,179	17,189	26,368	-	27,806
PAD District II Total							
November 1993	28,880	W	287,739	832,025	1,119,764	W	1,229,715
October 1993	16,690	36,263	337,540	918,852	1,256,392	3,996	1,313,341
November 1992	20,311	84,795	462,488	589,956	1,052,444	1,772	1,159,322
Illinois							
November 1993	1,379	W	46,696	86,672	133,369	W	145,458
October 1993	1,101	W	49,231	97,622	146,853	W	154,506
November 1992	1,160	8,788	73,137	66,701	139,838	-	149,786
Indiana							
November 1993	2,516	W	33,604	87,895	121,299	W	128,199
October 1993	1,266	W	29,122	99,719	128,841	W	132,327
November 1992	1,914	W	45,838	61,475	107,313	W	118,069
Iowa							
November 1993	1,135	8,737	13,452	49,838	63,290	-	73,162
October 1993	230	2,537	19,787	54,441	74,228	-	76,995
November 1992	215	8,035	26,026	34,576	60,602	-	68,852
Kansas							
November 1993	349	5,053	8,309	42,422	50,731	-	56,133
October 1993	300	2,007	16,452	45,071	61,523	-	63,830
November 1992	183	5,591	20,078	27,898	47,976	-	53,750
Kentucky							
November 1993	3,734	W	23,707	60,799	84,506	W	89,128
October 1993	2,473	W	24,461	67,250	91,711	W	94,835
November 1992	2,890	W	21,529	49,242	70,771	W	75,212
Michigan							
November 1993	3,758	6,920	38,300	50,824	89,124	-	99,802
October 1993	3,061	7,376	34,761	59,861	94,622	-	105,059
November 1992	2,789	W	50,531	27,308	77,839	W	89,298
Minnesota							
November 1993	2,970	W	17,395	55,309	72,704	W	88,411
October 1993	662	W	30,567	57,812	88,379	W	93,386
November 1992	312	W	31,015	33,247	64,262	W	76,568
Missouri							
November 1993	784	1,525	8,555	63,446	72,001	-	74,310
October 1993	309	982	11,182	71,359	82,541	-	83,832
November 1992	459	W	18,675	44,520	63,195	W	66,329

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							
November 1993	210	6,754	3,158	32,914	36,072	-	43,036
October 1993	W	W	7,935	35,854	43,789	-	45,765
November 1992	51	6,057	9,805	21,969	31,774	-	37,882
North Dakota							
November 1993	W	W	2,779	14,573	17,352	-	22,713
October 1993	W	W	7,619	17,871	25,490	-	27,231
November 1992	W	W	8,238	6,792	15,030	-	18,683
Ohio							
November 1993	7,244	W	42,343	96,106	138,449	W	147,187
October 1993	4,769	W	41,106	109,239	150,345	W	156,030
November 1992	6,938	W	53,702	79,541	133,243	W	142,188
Oklahoma							
November 1993	W	W	5,932	55,870	61,802	-	63,471
October 1993	41	2,616	9,699	57,859	67,558	-	70,215
November 1992	133	4,175	28,909	40,390	69,299	-	73,607
South Dakota							
November 1993	W	W	2,952	14,507	17,459	-	24,293
October 1993	81	2,282	6,827	16,656	23,483	-	25,846
November 1992	W	W	7,152	6,660	13,812	-	18,345
Tennessee							
November 1993	3,065	NA	9,974	78,146	88,120	W	92,118
October 1993	2,045	W	17,364	82,213	99,577	W	102,410
November 1992	3,153	W	23,678	67,118	90,796	W	95,194
Wisconsin							
November 1993	474	W	30,581	42,903	73,484	W	82,292
October 1993	170	3,452	31,427	46,025	77,452	-	81,074
November 1992	102	8,763	44,175	22,519	66,694	-	75,559
PAD District III Total							
November 1993	7,503	W	114,695	533,178	647,873	W	658,328
October 1993	6,729	W	124,741	591,601	716,342	W	724,779
November 1992	12,584	4,069	225,066	524,113	749,179	-	765,832
Alabama							
November 1993	W	W	8,134	51,035	59,169	-	60,375
October 1993	W	W	10,507	50,103	60,610	-	61,494
November 1992	832	444	11,631	47,743	59,374	-	60,650
Arkansas							
November 1993	W	W	1,885	58,387	60,272	-	60,571
October 1993	W	W	4,487	69,245	73,732	-	73,920
November 1992	155	51	W	W	43,028	-	43,234
Louisiana							
November 1993	W	W	11,816	96,200	108,016	-	113,184
October 1993	W	W	16,112	119,348	135,460	-	140,539
November 1992	W	W	13,666	115,437	129,103	-	130,018
Mississippi							
November 1993	W	-	W	W	50,414	W	50,706
October 1993	W	-	W	W	53,961	W	54,137
November 1992	279	50	16,043	35,626	51,669	-	51,998
New Mexico							
November 1993	W	W	W	W	27,548	-	28,660
October 1993	W	W	W	W	28,114	-	28,598
November 1992	W	W	W	W	28,924	-	30,225
Texas							
November 1993	625	1,752	84,249	258,205	342,454	-	344,831
October 1993	522	W	82,519	281,946	364,465	W	366,091
November 1992	10,626	2,000	178,087	258,994	437,081	-	449,707
PAD District IV Total							
November 1993	400	19,470	3,563	116,996	120,559	-	140,429
October 1993	196	8,599	9,330	144,607	153,937	-	162,732
November 1992	W	20,508	20,361	89,904	110,265	W	131,057
Colorado							
November 1993	193	5,939	W	W	36,271	-	42,403
October 1993	W	W	2,740	38,475	41,215	-	44,550
November 1992	W	W	9,608	21,787	31,395	-	39,042

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							
November 1993	W	W	200	16,422	16,622	-	19,830
October 1993	W	W	W	W	22,893	-	23,696
November 1992	W	W	W	W	15,363	-	18,306
Montana							
November 1993	-	3,992	W	W	16,520	-	20,512
October 1993	-	1,965	W	W	22,831	-	24,796
November 1992	-	2,912	W	W	15,452	-	18,364
Utah							
November 1993	W	W	W	W	27,207	-	30,123
October 1993	W	W	W	W	34,431	-	35,471
November 1992	W	3,786	2,567	22,875	25,442	W	29,280
Wyoming							
November 1993	W	W	W	W	23,939	-	27,561
October 1993	W	W	330	32,237	32,567	-	34,219
November 1992	-	3,452	1,673	20,940	22,613	-	26,065
PAD District V Total							
November 1993	1,370	17,315	14,453	454,656	469,109	1,923	489,717
October 1993	593	W	23,601	466,546	490,147	W	502,071
November 1992	W	18,992	24,490	463,543	488,033	W	511,310
Alaska							
November 1993	-	W	9,599	2,988	12,587	W	21,811
October 1993	-	6,090	13,436	W	W	W	27,311
November 1992	-	W	6,869	5,568	12,437	W	24,884
Arizona							
November 1993	W	131	W	37,257	W	-	37,783
October 1993	W	W	W	W	38,199	-	38,435
November 1992	W	154	W	31,457	W	-	31,947
California							
November 1993	263	W	W	W	257,721	W	259,608
October 1993	244	W	W	W	246,518	W	248,395
November 1992	W	1,346	W	W	278,002	W	280,997
Hawaii							
November 1993	-	W	W	13,724	W	-	14,487
October 1993	-	W	W	14,616	W	-	15,474
November 1992	-	W	W	12,869	W	-	13,662
Nevada							
November 1993	-	882	W	W	20,230	-	21,112
October 1993	-	364	W	W	22,602	-	22,966
November 1992	-	751	W	W	20,897	-	21,648
Oregon							
November 1993	W	W	1,099	53,785	54,884	-	57,508
October 1993	W	W	2,469	61,356	63,825	-	64,910
November 1992	W	W	3,310	48,934	52,244	-	55,257
Washington							
November 1993	W	W	3,218	69,140	72,358	-	77,408
October 1993	W	1,391	6,153	77,012	83,165	W	84,580
November 1992	W	3,169	12,188	67,392	79,580	W	82,915

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								
November 1993	0.2	0.4	0.2	0.1	0.3	0.5	0.3	0.5
October 1993	.1	.4	.1	.1	.2	.4	.2	.4
PAD District I Average								
November 1993	.3	.6	.3	.1	.4	.8	.4	.5
October 1993	.2	.5	.2	.1	.3	.6	.3	.4
Subdistrict IA Average								
November 1993	.7	2.2	.7	.1	.7	2.9	.8	.5
October 1993	.5	1.3	.6	.2	.6	1.9	.7	.6
Connecticut								
November 1993	1.1	1.0	1.0	.5	1.2	1.1	1.2	2.0
October 1993	.9	.7	.8	.7	1.0	.8	.9	2.7
Maine								
November 1993	.5	1.6	.5	.1	.5	1.6	.5	.3
October 1993	.5	1.7	.5	.2	.5	1.8	.5	.8
Massachusetts								
November 1993	.7	3.6	1.0	.1	.8	5.0	1.2	.4
October 1993	.5	1.5	.8	.1	.4	2.6	.9	.3
New Hampshire								
November 1993	3.0	.3	2.9	.4	3.5	.2	3.5	.8
October 1993	1.1	.5	1.1	.4	1.3	.6	1.3	.6
Rhode Island								
November 1993	3.2	1.5	2.7	.1	3.4	2.2	3.2	.2
October 1993	3.3	1.0	2.9	.1	3.7	2.3	3.4	.2
Vermont								
November 1993	.5	.8	.5	.5	.5	.8	.5	.6
October 1993	.4	.9	.5	.4	.4	.9	.5	.6
Subdistrict IB Average								
November 1993	.4	.7	.3	.2	.6	.8	.5	.9
October 1993	.3	.7	.2	.1	.4	.8	.4	.5
Delaware								
November 1993	.1	1.7	.2	.3	.2	1.8	.2	1.7
October 1993	.2	1.9	.3	.1	.2	2.0	.3	.5
District of Columbia								
November 1993	NA	.6	1.4	.3	NA	1.4	1.0	1.7
October 1993	NA	.5	1.3	.2	NA	1.0	1.1	2.4
Maryland								
November 1993	.6	2.3	.5	.2	.6	2.5	.6	1.0
October 1993	.4	1.4	.3	.1	.4	1.4	.3	.5
New Jersey								
November 1993	.3	1.4	.4	.8	.8	2.3	1.1	4.5
October 1993	.3	1.8	.4	.5	.8	3.0	1.2	2.2
New York								
November 1993	.4	1.1	.5	.2	.7	1.3	.7	.8
October 1993	.3	1.6	.3	.1	.6	1.8	.5	.6
Pennsylvania								
November 1993	.5	.9	.4	.3	.7	1.1	.7	1.2
October 1993	.4	1.0	.4	.2	.5	1.1	.5	1.1
Subdistrict IC Average								
November 1993	.4	1.0	.4	.2	.7	1.2	.6	.7
October 1993	.3	.6	.3	.1	.4	.8	.4	.6
Florida								
November 1993	.9	2.9	.9	.3	1.5	NA	1.5	3.8
October 1993	.6	1.4	.6	.3	1.0	2.4	1.0	2.2
Georgia								
November 1993	.8	1.4	.8	.4	1.1	1.7	1.1	1.3
October 1993	.4	1.1	.5	.4	.6	.9	.7	1.2
North Carolina								
November 1993	.9	1.8	.8	.4	1.1	1.9	1.0	1.1
October 1993	.6	1.2	.6	.3	.7	1.4	.7	.9
South Carolina								
November 1993	1.0	2.5	.9	.5	1.6	2.5	1.5	1.5
October 1993	.8	2.9	.7	.4	1.3	3.8	1.1	1.0

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								
November 1993	0.6	1.4	0.6	0.2	0.9	1.7	0.8	1.1
October 1993	.8	1.1	.8	.2	.8	1.2	.8	.8
West Virginia								
November 1993	.7	.5	.6	.3	1.1	.9	1.0	1.0
October 1993	.5	.4	.4	.4	1.2	.7	1.1	1.2
PAD District II Average								
November 1993	.2	.7	.2	.1	.4	.8	.4	.5
October 1993	.2	.5	.2	.1	.4	.5	.3	.3
Illinois								
November 1993	.8	1.2	.8	.2	1.5	1.3	1.4	1.1
October 1993	.9	1.0	.8	.2	1.4	1.0	1.3	.9
Indiana								
November 1993	.5	1.4	.5	.5	.9	1.5	.8	1.3
October 1993	.3	1.0	.3	.4	.5	1.0	.5	1.5
Iowa								
November 1993	.8	1.6	.7	.2	1.0	1.6	.9	.7
October 1993	.5	1.2	.4	.2	.6	1.3	.5	.7
Kansas								
November 1993	.5	1.5	.4	.3	.6	1.2	.6	1.0
October 1993	.4	1.4	.4	.3	.6	1.2	.6	.7
Kentucky								
November 1993	1.5	6.3	1.7	.3	2.3	8.1	2.7	1.3
October 1993	1.0	2.8	1.1	.3	1.6	3.4	1.7	1.1
Michigan								
November 1993	.7	.9	.6	.2	1.6	1.7	1.5	1.1
October 1993	.4	.6	.4	.1	1.0	.8	.9	.5
Minnesota								
November 1993	.6	1.5	.6	.5	1.3	1.5	1.2	.6
October 1993	.8	1.4	.7	.4	1.6	1.4	1.3	1.5
Missouri								
November 1993	.9	1.0	.8	1.4	1.3	1.0	1.2	0.6
October 1993	.6	1.4	.6	.5	.8	1.7	.8	1.5
Nebraska								
November 1993	.7	4.6	.8	.4	.9	4.7	1.0	1.1
October 1993	.9	1.3	.8	.4	1.0	1.3	.9	1.0
North Dakota								
November 1993	3.1	3.0	2.2	.5	3.2	3.0	2.2	1.4
October 1993	1.8	6.2	2.7	.3	1.9	6.2	2.8	.7
Ohio								
November 1993	.4	1.3	.4	.2	1.2	2.0	1.1	.8
October 1993	.4	.9	.3	.2	.9	1.3	.8	.9
Oklahoma								
November 1993	.7	1.1	.7	.3	1.1	1.0	1.1	1.4
October 1993	.7	1.0	.6	.2	1.0	1.2	1.0	1.2
South Dakota								
November 1993	1.4	1.8	1.2	.7	1.5	1.8	1.2	3.5
October 1993	1.3	1.1	1.2	.6	1.4	1.1	1.2	2.2
Tennessee								
November 1993	.5	1.9	.5	.5	.9	2.4	.9	2.5
October 1993	.4	1.2	.4	.4	.7	1.5	.7	1.5
Wisconsin								
November 1993	.5	1.9	.6	.3	.7	2.0	.7	.8
October 1993	.5	1.7	.5	.3	.7	1.7	.7	.7
PAD District III Average								
November 1993	.4	1.1	.4	.3	.6	1.2	.6	1.3
October 1993	.4	1.0	.4	.2	.6	1.2	.6	1.0
Alabama								
November 1993	.6	1.4	.7	.7	.7	1.8	.8	2.2
October 1993	.6	1.8	.7	.7	.7	2.6	.8	1.8
Arkansas								
November 1993	1.3	3.0	1.3	.6	1.8	3.0	1.6	NA
October 1993	.7	2.4	.7	.5	.9	2.4	.9	2.0

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								
November 1993	1.0	2.2	1.1	0.4	1.7	2.4	1.7	1.8
October 1993	1.2	1.9	1.2	.4	1.9	2.1	1.7	1.9
Mississippi								
November 1993	1.8	2.5	1.6	.6	2.0	2.7	1.8	1.9
October 1993	1.2	2.0	1.1	.4	1.3	2.1	1.2	1.6
New Mexico								
November 1993	1.9	1.7	1.7	.5	2.6	1.8	2.3	2.0
October 1993	1.5	1.4	1.3	.5	2.1	1.5	1.9	1.1
Texas								
November 1993	.4	2.0	.4	.5	.8	2.4	.8	1.6
October 1993	.5	2.2	.5	.3	1.0	2.7	.9	1.0
PAD District IV Average								
November 1993	.3	1.0	.3	.2	.7	1.1	.6	.7
October 1993	.3	.8	.3	.2	.5	.8	.5	1.0
Colorado								
November 1993	.4	1.8	.4	.3	1.0	1.9	1.2	1.0
October 1993	.4	1.7	.4	.3	1.1	1.7	.9	1.6
Idaho								
November 1993	1.2	1.7	1.0	.2	1.2	1.7	1.1	.8
October 1993	1.1	1.7	1.1	.5	1.2	1.7	1.1	1.6
Montana								
November 1993	1.0	.7	.9	.1	1.1	.6	.9	.4
October 1993	.8	1.2	.8	.2	.8	1.1	.8	.4
Utah								
November 1993	1.2	NA	1.2	.3	1.7	NA	1.7	2.0
October 1993	.7	.7	.6	.2	1.0	.6	.9	1.0
Wyoming								
November 1993	.6	2.4	.7	.5	.7	2.4	.8	2.0
October 1993	.6	1.7	.5	.3	.7	1.7	.6	1.5
PAD District V Average								
November 1993	.3	1.6	.4	.2	.8	2.0	.9	1.7
October 1993	.3	1.3	.3	.2	.7	1.6	.7	1.4
Alaska								
November 1993	.6	4.1	.9	.9	5.1	7.5	4.4	3.8
October 1993	.8	2.1	.7	.9	4.2	4.2	2.9	4.1
Arizona								
November 1993	.3	3.3	.4	.4	.4	4.0	.5	2.0
October 1993	.4	2.3	.5	.2	.5	2.8	.8	1.4
California								
November 1993	.5	2.3	.6	.3	2.0	2.9	2.0	2.5
October 1993	.4	2.0	.5	.3	1.8	2.4	1.6	1.7
Hawaii								
November 1993	.1	3.9	.2	.1	.1	4.2	.1	1.7
October 1993	.1	3.8	.5	.1	.1	5.4	.4	2.1
Nevada								
November 1993	1.4	2.3	1.5	.3	1.6	2.8	1.7	1.3
October 1993	1.0	2.1	1.3	.4	1.2	2.7	1.6	1.9
Oregon								
November 1993	.9	2.2	1.1	.2	1.5	2.5	1.7	1.3
October 1993	.6	1.0	.6	.2	.9	1.1	.8	1.3
Washington								
November 1993	.6	2.7	.6	.2	1.5	2.9	1.3	1.6
October 1993	.6	1.4	.5	.1	1.3	1.5	1.1	1.7

^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												
November 1993	-	-	-	0.2	0.4	0.1	0.2	0.7	0.1	0.2	0.7	0.1
October 1993	-	-	-	.1	.4	.1	.1	.6	.1	.1	.6	.1
PAD District I Average												
November 1993	-	-	-	.3	.5	.1	.3	.7	.1	.4	1.1	.2
October 1993	-	-	-	.2	.5	.1	.2	.7	.1	.2	.8	.1
Subdistrict IA Average												
November 1993	-	-	-	.7	1.8	.1	.9	.7	.1	1.0	5.0	.1
October 1993	-	-	-	.5	1.2	.2	.8	.9	.1	.9	2.1	.1
Connecticut												
November 1993	-	-	-	1.0	1.0	.5	1.3	.9	.3	1.1	1.7	.3
October 1993	-	-	-	.9	.6	.9	1.0	.7	.2	1.0	1.0	.3
Maine												
November 1993	-	-	-	.7	1.5	.1	.5	1.9	.1	.6	2.6	.1
October 1993	-	-	-	.6	1.6	.2	.7	2.7	.3	1.0	1.9	.2
Massachusetts												
November 1993	-	-	-	.7	1.6	.1	.7	1.6	.1	.6	8.5	.2
October 1993	-	-	-	.5	1.0	.1	.5	2.5	.1	.4	2.2	.1
New Hampshire												
November 1993	-	-	-	3.7	.4	.4	1.9	.3	.1	3.1	1.1	.5
October 1993	-	-	-	1.4	.6	.2	.7	.6	.5	1.9	.8	.8
Rhode Island												
November 1993	-	-	-	2.8	.7	.1	4.5	1.5	.1	4.4	4.8	.1
October 1993	-	-	-	3.0	.7	.1	4.5	1.6	.1	4.3	1.0	.2
Vermont												
November 1993	-	-	-	.5	1.0	.4	.5	.7	.6	.5	.9	.6
October 1993	-	-	-	.5	1.1	.4	.5	1.5	.5	.7	.8	.6
Subdistrict IB Average												
November 1993	-	-	-	.3	.6	.1	.4	.8	.1	.4	.9	.4
October 1993	-	-	-	.3	.7	.1	.3	1.0	.1	.3	1.0	.2
Delaware												
November 1993	-	-	-	.1	1.0	.3	.3	1.9	.2	.1	3.4	.3
October 1993	-	-	-	.2	1.1	.1	.1	1.9	.1	.2	3.9	.1
District of Columbia												
November 1993	-	-	-	NA	.8	.4	NA	.3	.2	NA	NA	.1
October 1993	-	-	-	NA	.5	.3	NA	.4	.1	NA	NA	.1
Maryland												
November 1993	-	-	-	.5	2.2	.2	.8	1.5	.2	1.0	3.3	.3
October 1993	-	-	-	.4	1.3	.1	.6	1.2	.1	.6	2.0	.1
New Jersey												
November 1993	-	-	-	.3	1.2	.5	.4	2.2	.2	.4	2.0	1.3
October 1993	-	-	-	.2	1.5	.3	.3	1.9	.2	.4	2.4	.6
New York												
November 1993	-	-	-	.5	1.0	.1	.3	1.7	.2	.4	1.6	.3
October 1993	-	-	-	.3	1.4	.1	.2	2.7	.1	.3	2.1	.2
Pennsylvania												
November 1993	-	-	-	.4	.9	.2	.6	1.1	.4	.6	1.2	.3
October 1993	-	-	-	.3	1.0	.2	.4	1.4	.3	.5	1.2	.2
Subdistrict IC Average												
November 1993	-	-	-	.4	.8	.2	.4	1.3	.2	.6	1.7	.2
October 1993	-	-	-	.3	.6	.1	.3	1.2	.2	.3	1.1	.2
Florida												
November 1993	-	-	-	.9	2.4	.3	.8	3.0	.3	.7	5.4	.3
October 1993	-	-	-	.6	1.5	.3	.5	2.0	.3	.4	3.0	.3
Georgia												
November 1993	-	-	-	.5	1.2	.3	1.0	3.0	.5	1.8	2.2	.5
October 1993	-	-	-	.2	1.0	.3	.6	1.8	.4	1.1	2.4	.4
North Carolina												
November 1993	-	-	-	.7	1.2	.3	.8	1.4	.5	1.0	2.1	.5
October 1993	-	-	-	.4	.9	.3	.6	1.7	.4	.8	1.8	.4

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												
November 1993	-	-	-	1.0	1.9	0.6	1.0	3.8	0.6	1.3	3.3	0.6
October 1993	-	-	-	.8	1.9	.4	.9	7.2	.3	1.0	3.6	.4
Virginia												
November 1993	-	-	-	.5	1.1	.2	.6	2.1	.2	.7	1.9	.2
October 1993	-	-	-	.4	.9	.2	.6	1.7	.2	.7	1.2	.2
West Virginia												
November 1993	-	-	-	.6	.4	.3	.7	.8	.3	.6	.7	.6
October 1993	-	-	-	.4	.3	.3	.6	.6	.4	.5	.6	.8
PAD District II Average												
November 1993	-	-	-	.2	.6	.1	.3	1.1	.3	.3	1.2	.2
October 1993	-	-	-	.2	.5	.1	.2	1.0	.2	.2	.7	.1
Illinois												
November 1993	-	-	-	1.0	1.3	.2	.9	1.8	.5	.8	2.3	.2
October 1993	-	-	-	1.2	1.0	.2	.7	1.2	.5	.6	1.7	.2
Indiana												
November 1993	-	-	-	.4	1.5	.5	.6	1.7	.6	.7	1.8	.5
October 1993	-	-	-	.3	1.1	.4	.3	1.4	.5	.5	1.3	.5
Iowa												
November 1993	-	-	-	.7	1.7	.1	1.3	1.6	1.3	1.6	3.5	.3
October 1993	-	-	-	.4	1.3	.1	.5	1.1	1.1	.7	1.1	.4
Kansas												
November 1993	-	-	-	.4	1.4	.4	.7	2.3	.9	.7	2.8	.4
October 1993	-	-	-	.4	1.5	.3	.7	1.0	.8	.7	2.0	.4
Kentucky												
November 1993	-	-	-	1.4	6.0	.3	1.5	6.6	.3	1.6	6.9	.4
October 1993	-	-	-	.8	2.6	.3	1.0	3.0	.3	1.3	3.4	.4
Michigan												
November 1993	-	-	-	.6	1.0	.2	.5	1.5	.2	.8	1.0	.2
October 1993	-	-	-	.4	.8	.1	.4	1.2	.1	.4	.6	.1
Minnesota												
November 1993	-	-	-	.6	1.6	.3	1.2	2.4	.9	.7	NA	.5
October 1993	-	-	-	.8	1.5	.3	1.1	2.1	2.6	.7	2.2	.2
Missouri												
November 1993	-	-	-	.8	1.2	1.4	1.2	.4	1.9	1.3	NA	1.3
October 1993	-	-	-	.5	1.2	.5	.9	3.2	.9	.9	2.0	.5
Nebraska												
November 1993	-	-	-	.9	4.5	.4	1.1	5.5	.9	1.1	4.9	.7
October 1993	-	-	-	.9	1.3	.3	1.2	2.1	1.2	1.5	1.3	.1
North Dakota												
November 1993	-	-	-	3.1	2.8	.6	2.8	3.3	.1	.7	.7	.2
October 1993	-	-	-	1.8	5.9	.3	1.3	3.5	.1	1.0	1.3	.1
Ohio												
November 1993	-	-	-	.3	1.0	.2	.4	2.3	.2	.5	1.1	.2
October 1993	-	-	-	.3	1.1	.2	.4	1.8	.2	.5	.9	.2
Oklahoma												
November 1993	-	-	-	.7	1.0	.2	.8	2.3	1.1	1.2	1.9	.4
October 1993	-	-	-	.7	1.3	.2	.5	2.3	.8	1.0	1.3	.4
South Dakota												
November 1993	-	-	-	1.7	2.8	.7	2.5	3.3	.7	1.1	.1	1.3
October 1993	-	-	-	1.5	1.7	.5	2.2	.6	.9	1.2	.2	1.5
Tennessee												
November 1993	-	-	-	.4	1.5	.4	.6	2.4	.7	.5	NA	.7
October 1993	-	-	-	.3	.9	.2	.5	1.3	.6	.6	2.6	.6
Wisconsin												
November 1993	-	-	-	.6	1.9	.3	.7	2.9	.2	.6	2.7	.3
October 1993	-	-	-	.6	1.7	.3	.5	2.4	.3	.6	2.1	.3
PAD District III Average												
November 1993	-	-	-	.3	1.3	.3	.4	1.5	.3	.4	1.4	.3
October 1993	-	-	-	.3	1.3	.2	.4	1.4	.3	.4	1.4	.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												
November 1993	-	-	-	0.6	1.5	0.8	0.7	2.3	0.9	0.7	2.3	0.7
October 1993	-	-	-	.5	2.0	.8	.5	2.3	.6	.6	3.1	.7
Arkansas												
November 1993	-	-	-	1.1	3.2	.6	1.9	2.4	.6	1.3	2.9	.6
October 1993	-	-	-	.5	2.6	.6	1.1	2.1	.9	.9	3.2	.4
Louisiana												
November 1993	-	-	-	.9	2.1	.4	.7	3.8	.6	.9	3.0	.5
October 1993	-	-	-	.9	1.7	.3	1.1	3.1	.4	1.6	2.7	.6
Mississippi												
November 1993	-	-	-	1.4	1.8	.7	2.4	5.2	.7	1.9	4.5	.7
October 1993	-	-	-	1.0	2.0	.4	1.4	2.6	.5	1.4	2.5	1.1
New Mexico												
November 1993	-	-	-	1.8	1.8	.6	2.7	2.8	.3	2.5	2.5	.3
October 1993	-	-	-	1.4	1.6	.5	1.3	2.2	.1	2.7	1.0	.4
Texas												
November 1993	-	-	-	.4	2.6	.4	.5	1.9	.5	.4	1.6	.4
October 1993	-	-	-	.5	2.7	.2	.5	2.7	.4	.5	2.7	.3
PAD District IV Average												
November 1993	-	-	-	.3	.9	.2	.4	3.2	.3	.4	NA	.2
October 1993	-	-	-	.3	.8	.2	.2	1.5	.1	.3	1.2	.2
Colorado												
November 1993	-	-	-	.3	1.9	.3	.3	1.4	.4	.4	2.0	.2
October 1993	-	-	-	.4	1.7	.3	.2	1.1	.2	.4	2.2	.4
Idaho												
November 1993	-	-	-	.9	1.6	.2	.4	.2	.1	2.2	1.7	.1
October 1993	-	-	-	1.0	1.7	.5	.2	NA	.2	1.7	2.1	.5
Montana												
November 1993	-	-	-	1.1	.8	.1	3.0	NA	NA	.9	1.1	.1
October 1993	-	-	-	.8	1.2	.2	NA	NA	NA	.9	2.4	.2
Utah												
November 1993	-	-	-	1.5	NA	.3	.4	4.4	.5	1.0	NA	.4
October 1993	-	-	-	.7	1.0	.2	.3	1.9	.2	.7	1.2	.2
Wyoming												
November 1993	-	-	-	.7	2.2	.5	.6	-	1.1	.6	4.5	.6
October 1993	-	-	-	.6	1.6	.3	1.0	-	NA	.5	2.2	.4
PAD District V Average												
November 1993	-	-	-	.3	1.5	.2	.4	2.5	.3	.3	1.8	.2
October 1993	-	-	-	.3	1.3	.2	.4	1.5	.3	.2	1.5	.1
Alaska												
November 1993	-	-	-	.7	4.4	.9	-	NA	NA	.6	4.2	.8
October 1993	-	-	-	.9	2.7	.9	-	-	-	.5	1.0	.8
Arizona												
November 1993	-	-	-	.3	3.5	.4	1.4	1.3	.3	.4	3.8	.3
October 1993	-	-	-	.3	2.7	.2	1.8	1.1	1.2	.5	1.9	.3
California												
November 1993	-	-	-	.5	2.1	.3	.5	2.9	.3	.5	2.5	.2
October 1993	-	-	-	.4	2.1	.2	.4	1.8	.3	.4	2.2	.2
Hawaii												
November 1993	-	-	-	.1	4.1	.2	.1	1.3	.1	.1	4.4	.1
October 1993	-	-	-	.1	4.2	.2	.1	1.0	.1	.1	4.0	.1
Nevada												
November 1993	-	-	-	1.5	2.2	.2	.6	2.1	.2	1.5	2.9	.4
October 1993	-	-	-	1.2	2.5	.4	.4	1.6	.4	1.2	1.6	.2
Oregon												
November 1993	-	-	-	1.0	2.3	.2	.5	NA	NA	.6	2.6	.2
October 1993	-	-	-	.6	1.1	.2	.3	NA	NA	.6	1.3	.2
Washington												
November 1993	-	-	-	.7	2.7	.2	NA	NA	.3	.5	4.3	.2
October 1993	-	-	-	.6	1.3	.1	.1	NA	.3	.4	1.9	.1

^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							
November 1993	0.8	0.5	0.7	0.4	0.5	0.4	0.2
October 1993	.6	.5	.6	.4	.5	.4	.1
PAD District I Average							
November 1993	1.0	.4	.6	.4	.7	.7	.1
October 1993	.7	.3	.5	.7	.6	.4	.1
Subdistrict IA Average							
November 1993	1.1	.7	1.0	.5	.5	.9	.1
October 1993	.8	.6	1.0	.5	.7	.7	.1
Connecticut							
November 1993	2.3	1.2	1.6	1.2	2.2	1.5	.5
October 1993	2.1	.9	1.9	1.8	2.2	1.4	.1
Maine							
November 1993	.9	1.0	5.9	.8	1.2	1.0	.3
October 1993	1.0	.9	4.5	.9	.8	1.0	.2
Massachusetts							
November 1993	2.2	1.5	1.0	1.2	.5	2.1	.1
October 1993	1.2	1.5	.8	.8	.4	1.6	.1
New Hampshire							
November 1993	1.3	1.3	2.8	1.2	.4	.9	.1
October 1993	1.3	1.1	3.0	.7	.5	.7	.3
Rhode Island							
November 1993	2.6	1.5	2.4	.8	1.4	2.2	.1
October 1993	2.9	1.0	1.6	.3	.8	2.2	.1
Vermont							
November 1993	.9	.5	1.7	.6	2.4	.6	.2
October 1993	.8	.7	.7	.8	2.0	.6	.2
Subdistrict IB Average							
November 1993	1.5	.7	1.1	.5	.9	1.2	.1
October 1993	1.2	.5	1.0	.4	.9	.8	.1
Delaware							
November 1993	1.5	1.1	1.5	1.1	1.6	1.6	.1
October 1993	.6	.8	1.2	1.3	2.8	.8	.1
District of Columbia							
November 1993	.1	1.6	NA	NA	1.7	1.3	.0
October 1993	.6	2.2	NA	NA	2.8	1.9	.0
Maryland							
November 1993	1.7	.9	2.1	1.0	1.7	1.0	.3
October 1993	1.2	.7	1.3	1.7	2.6	.7	.3
New Jersey							
November 1993	2.4	1.2	3.6	.9	NA	2.5	.1
October 1993	2.2	1.1	2.0	.6	NA	2.0	.1
New York							
November 1993	3.0	1.8	1.2	1.5	1.1	2.6	.2
October 1993	2.1	1.3	2.3	.9	1.6	1.7	.1
Pennsylvania							
November 1993	1.2	.8	1.8	.5	1.9	.9	.2
October 1993	.8	.7	1.6	.5	1.5	.5	.2
Subdistrict IC Average							
November 1993	1.8	.6	.9	.7	1.2	.5	.1
October 1993	1.1	.6	.7	1.1	1.0	.5	.1
Virginia							
November 1993	1.0	1.1	2.4	.6	1.3	.8	.2
October 1993	.7	1.0	1.3	.5	1.1	.5	.1
West Virginia							
November 1993	1.6	.3	.6	1.0	.7	.4	.4
October 1993	1.6	.3	.7	.8	.7	.3	.3
PAD District II Average							
November 1993	.8	1.0	1.2	.5	.7	.8	.5
October 1993	.6	1.0	1.0	.5	.6	.8	.1
Illinois							
November 1993	1.7	2.3	3.4	.6	1.9	1.6	.4
October 1993	1.1	1.8	4.0	.9	1.3	1.7	.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							
November 1993	1.3	1.6	3.9	0.9	2.1	1.1	0.2
October 1993	1.1	1.0	2.4	.8	1.7	1.0	.2
Michigan							
November 1993	1.8	2.0	2.0	1.6	1.8	1.2	.5
October 1993	1.7	2.2	1.8	1.4	1.8	1.3	.4
Minnesota							
November 1993	1.6	1.9	2.2	2.0	2.4	1.0	1.0
October 1993	1.2	.8	2.2	2.1	1.9	1.0	.1
Ohio							
November 1993	2.1	.6	.9	.4	3.4	.9	.2
October 1993	1.1	.6	1.1	.3	2.7	.7	.4
Wisconsin							
November 1993	2.1	3.7	2.7	2.0	1.7	1.4	.3
October 1993	1.3	1.9	1.5	1.3	1.7	.8	.3
PAD District III Average							
November 1993	1.4	.7	.9	.9	1.2	.6	.1
October 1993	3.6	1.1	.9	1.0	1.3	.8	.2
PAD District IV Average							
November 1993	1.5	1.4	1.3	1.7	1.8	1.1	.3
October 1993	2.0	.9	1.1	.9	1.6	.6	.4
Idaho							
November 1993	2.1	2.4	2.1	6.0	1.9	2.2	.2
October 1993	1.5	2.0	2.7	3.2	1.3	1.5	.2
PAD District V Average							
November 1993	1.2	1.0	2.3	.9	1.3	.8	.2
October 1993	1.3	.9	1.9	.9	.9	.6	.1
Alaska							
November 1993	1.9	2.0	2.0	2.3	2.1	1.1	1.0
October 1993	1.9	1.7	1.2	1.0	1.7	1.0	.3
Oregon							
November 1993	2.2	.8	3.0	3.2	5.1	1.4	.6
October 1993	1.9	1.0	1.8	3.0	3.2	1.1	.3
Washington							
November 1993	1.8	NA	5.8	1.0	5.1	1.2	.3
October 1993	2.3	2.0	2.7	1.6	2.2	1.3	.3

^a Sales prices shown in Table 38.

^b No. 2 fuel oil only.

^c No. 2 diesel fuel only.

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 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						
November 1993	0.8	0.8	0.6	0.8	0.7	0.1
October 1993	.6	.7	.5	1.0	.5	.1
PAD District I Average						
November 1993	1.0	1.0	.8	.7	.9	.1
October 1993	.7	.9	.7	.9	.7	.1
Subdistrict IA Average						
November 1993	1.1	1.0	1.1	.6	.9	.1
October 1993	.8	.9	.8	.4	.7	.1
Connecticut						
November 1993	2.3	1.5	1.5	.6	1.8	.6
October 1993	2.1	1.4	1.7	.4	1.7	.2
Maine						
November 1993	.9	1.2	3.2	4.0	.9	.3
October 1993	1.0	.8	1.6	NA	1.0	.3
Massachusetts						
November 1993	2.2	2.2	2.3	.6	2.1	.1
October 1993	1.2	2.1	1.5	.3	1.5	.1
New Hampshire						
November 1993	1.3	1.4	3.9	NA	1.2	.2
October 1993	1.3	1.7	2.9	.1	1.0	.1
Rhode Island						
November 1993	2.6	3.0	2.5	NA	2.4	.1
October 1993	2.9	2.5	2.6	NA	2.6	.1
Vermont						
November 1993	.9	.6	2.3	.2	.7	.2
October 1993	.8	.9	.7	1.7	.6	.2
Subdistrict IB Average						
November 1993	1.5	1.7	.8	1.1	1.4	.1
October 1993	1.2	1.4	.6	1.4	1.1	.1
Delaware						
November 1993	1.5	1.2	.9	1.5	1.7	.2
October 1993	.6	1.3	2.3	NA	.6	.3
District of Columbia						
November 1993	.1	.9	NA	NA	1.3	.0
October 1993	.6	2.2	-	NA	1.9	.0
Maryland						
November 1993	1.7	1.3	2.6	1.5	1.2	.4
October 1993	1.2	1.0	2.1	1.9	.8	.2
New Jersey						
November 1993	2.4	2.6	.7	NA	2.4	.1
October 1993	2.2	3.3	.3	NA	2.2	.1
New York						
November 1993	3.0	3.3	1.4	1.1	2.8	.2
October 1993	2.1	2.6	1.2	2.0	2.0	.1
Pennsylvania						
November 1993	1.2	2.0	2.2	4.2	1.1	.2
October 1993	.8	1.3	1.4	3.8	.7	.1
Subdistrict IC Average						
November 1993	1.8	2.3	2.2	1.3	1.3	.1
October 1993	1.1	3.2	2.3	2.2	1.2	.1
Virginia						
November 1993	1.0	1.8	1.9	1.6	1.1	.1
October 1993	.7	1.1	1.9	1.7	.9	.1
West Virginia						
November 1993	1.6	.5	.4	.5	1.3	.1
October 1993	1.6	.6	.3	.7	.8	.1
PAD District II Average						
November 1993	.8	.6	1.4	1.9	.7	.1
October 1993	.6	.4	.8	2.0	.6	.1
Illinois						
November 1993	1.7	2.5	3.2	5.0	1.6	.1
October 1993	1.1	.8	.4	1.9	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						
November 1993	1.3	NA	1.9	4.4	1.2	0.1
October 1993	1.1	NA	1.0	4.8	1.1	.1
Michigan						
November 1993	1.8	2.3	3.9	3.6	1.9	.7
October 1993	1.7	1.2	.8	4.3	1.7	.6
Minnesota						
November 1993	1.6	2.8	6.8	4.5	1.9	.4
October 1993	1.2	2.6	3.9	2.8	1.9	.2
Ohio						
November 1993	2.1	.2	1.4	.8	2.4	.1
October 1993	1.1	.2	.7	3.6	1.1	.1
Wisconsin						
November 1993	2.1	3.7	3.4	1.9	1.8	.3
October 1993	1.3	1.1	1.7	6.4	.9	.3
PAD District III Average						
November 1993	1.4	.3	NA	NA	1.0	.1
October 1993	3.6	.2	1.9	NA	.8	.1
PAD District IV Average						
November 1993	1.5	3.8	NA	2.1	1.4	.7
October 1993	2.0	6.2	NA	4.3	2.0	.1
Idaho						
November 1993	2.1	2.8	NA	.2	1.9	2.2
October 1993	1.5	1.0	NA	NA	1.3	.7
PAD District V Average						
November 1993	1.2	1.9	2.0	2.0	1.1	.4
October 1993	1.3	1.6	2.1	2.1	1.4	.3
Alaska						
November 1993	1.9	5.9	NA	6.1	1.8	.1
October 1993	1.9	3.4	7.3	2.9	1.6	.1
Oregon						
November 1993	2.2	2.9	NA	3.4	2.2	.6
October 1993	1.9	1.0	NA	NA	1.9	.2
Washington						
November 1993	1.8	1.6	.3	NA	1.8	2.3
October 1993	2.3	1.4	1.5	NA	3.0	.8

^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, "Refiner/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						
November 1993	1.0	0.6	0.3	0.1	0.4	0.2
October 1993	.2	.2	.1	1.0	.1	.5
PAD District I Average						
November 1993	.9	.3	.2	.2	.5	.1
October 1993	.3	.1	.2	.1	.2	.1
Subdistrict IA Average						
November 1993	.3	.0	.2	.0	.1	.0
October 1993	.2	.0	.2	.0	.1	.0
Connecticut						
November 1993	.2	NA	5.4	-	1.2	NA
October 1993	.1	.0	NA	-	.9	.0
Maine						
November 1993	.4	.0	.1	.0	.1	.0
October 1993	.6	NA	.2	.0	.2	NA
Massachusetts						
November 1993	.1	.0	.1	NA	.1	.0
October 1993	.1	.0	.1	NA	.1	.0
New Hampshire						
November 1993	.0	-	.0	NA	.0	NA
October 1993	.0	NA	.1	NA	.1	NA
Rhode Island						
November 1993	.0	NA	NA	-	.0	NA
October 1993	.0	NA	NA	-	.0	NA
Subdistrict IB Average						
November 1993	1.4	.3	.6	.4	1.0	.3
October 1993	.3	.1	.3	.3	.2	.2
Delaware						
November 1993	.1	NA	.1	NA	.1	.6
October 1993	.1	NA	.1	NA	.1	1.3
Maryland						
November 1993	.1	NA	.1	.0	.1	NA
October 1993	.1	NA	.1	NA	.1	NA
New Jersey						
November 1993	.1	.5	.4	.7	.2	.4
October 1993	.1	.1	.1	.4	.1	.7
New York						
November 1993	1.8	.6	.9	.1	1.5	.5
October 1993	.4	.1	.4	.0	.2	.1
Pennsylvania						
November 1993	1.6	.0	.0	.0	.9	.0
October 1993	1.6	.1	.1	.0	.8	.1
Subdistrict IC Average						
November 1993	.2	NA	.2	.0	.2	.0
October 1993	.3	NA	.1	.2	.2	.2
Florida						
November 1993	.1	-	.2	NA	.2	NA
October 1993	.3	-	.2	NA	.2	NA
Georgia						
November 1993	-	-	.1	.0	.1	.0
October 1993	-	-	.0	NA	.0	NA
North Carolina						
November 1993	NA	-	.0	.0	.0	.0
October 1993	NA	-	.2	1.0	.2	1.0
South Carolina						
November 1993	NA	-	NA	NA	NA	NA
October 1993	NA	-	NA	NA	NA	NA
Virginia						
November 1993	.9	NA	.2	.0	.2	.0
October 1993	.1	NA	.1	NA	.1	NA
PAD District II Average						
November 1993	.3	.0	.5	.1	.4	.1
October 1993	.3	.0	.6	.0	.4	.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						
November 1993	0.0	NA	NA	0.0	0.0	0.0
October 1993	NA	NA	NA	NA	.0	NA
Indiana						
November 1993	.0	NA	0.0	NA	.0	NA
October 1993	.0	-	.0	.0	.0	.0
Michigan						
November 1993	.7	NA	1.9	.0	1.3	.0
October 1993	.4	NA	1.3	NA	.7	NA
Minnesota						
November 1993	NA	NA	.0	NA	.0	NA
October 1993	NA	NA	.0	NA	.1	NA
Ohio						
November 1993	.0	NA	.0	NA	.0	NA
October 1993	.0	NA	.0	NA	.0	NA
PAD District III Average						
November 1993	NA	1.2	.5	.4	.4	.3
October 1993	NA	.3	.5	2.3	.5	1.5
Alabama						
November 1993	NA	NA	NA	NA	NA	NA
October 1993	NA	NA	.3	NA	.3	NA
Louisiana						
November 1993	NA	NA	.8	.3	.6	.5
October 1993	NA	.8	1.2	.3	1.2	.3
Mississippi						
November 1993	-	NA	.1	NA	.1	NA
October 1993	-	NA	.1	NA	.1	NA
Texas						
November 1993	-	.5	.1	.5	.1	.3
October 1993	NA	.3	.4	4.2	.4	2.3
PAD District IV Average						
November 1993	NA	NA	.0	.0	.0	.0
October 1993	NA	NA	.7	NA	.4	.0
PAD District V Average						
November 1993	.9	.1	.1	.1	.1	.1
October 1993	.1	.4	.1	.1	.1	.1
California						
November 1993	NA	.1	.1	.1	.5	.1
October 1993	NA	.4	.1	.2	.1	.2
Hawaii						
November 1993	NA	-	.0	NA	.0	NA
October 1993	NA	-	.0	.0	.0	.0
Oregon						
November 1993	NA	-	NA	NA	NA	NA
October 1993	-	-	NA	NA	NA	NA
Washington						
November 1993	NA	-	.1	.0	.1	.0
October 1993	NA	-	.1	.1	.1	.1

^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	
	November 1993	October 1993	November 1993	October 1993	November 1993	October 1993
U.S. Average	97.5	98.1	84.3	86.0	98.4	99.3
PAD District I Average	97.8	98.9	84.7	88.2	98.8	99.4
Subdistrict 1A Average	98.2	99.0	83.4	88.2	98.8	99.1
Connecticut	100.0	100.0	88.9	89.7	100.0	100.0
Maine	100.0	100.0	82.6	91.3	97.0	97.2
Massachusetts	95.2	100.0	79.5	85.7	100.0	97.7
New Hampshire	100.0	100.0	79.5	85.7	100.0	100.0
Rhode Island	94.7	94.4	83.3	85.1	100.0	100.0
Vermont	100.0	100.0	89.5	94.8	100.0	100.0
Subdistrict 1B Average	96.7	98.7	84.4	87.9	98.9	99.6
Delaware	100.0	100.0	87.3	89.8	100.0	100.0
District of Columbia	100.0	100.0	76.7	89.6	100.0	100.0
Maryland	100.0	100.0	84.5	88.2	100.0	100.0
New Jersey	96.5	100.0	78.1	83.3	98.2	100.0
New York	90.6	97.2	87.1	88.0	98.5	100.0
Pennsylvania	97.1	97.1	86.1	89.5	98.3	98.3
Subdistrict 1C Average	98.5	99.0	86.3	88.5	98.0	99.3
Florida	100.0	100.0	89.4	88.8	98.0	100.0
Georgia	100.0	97.0	86.8	83.1	98.0	100.0
North Carolina	94.3	100.0	82.5	86.1	98.2	100.0
South Carolina	96.7	100.0	85.5	88.1	97.8	100.0
Virginia	100.0	97.6	85.7	91.4	96.7	96.7
West Virginia	100.0	100.0	89.7	93.8	100.0	100.0
PAD District II Average	98.6	99.0	84.3	87.6	98.0	99.6
Illinois	97.2	100.0	84.0	88.3	98.3	98.2
Indiana	100.0	100.0	86.4	89.3	98.1	100.0
Iowa	100.0	96.8	84.0	88.3	98.1	100.0
Kansas	100.0	100.0	89.6	90.9	98.1	100.0
Kentucky	100.0	100.0	83.1	85.7	100.0	98.0
Michigan	100.0	100.0	82.3	86.5	97.8	100.0
Minnesota	91.2	97.0	81.7	85.0	97.6	97.7
Missouri	100.0	100.0	82.7	84.7	98.1	100.0
Nebraska	100.0	100.0	84.5	85.8	97.4	100.0
North Dakota	100.0	100.0	85.2	90.3	96.8	100.0
Ohio	100.0	100.0	85.7	89.2	100.0	100.0
Oklahoma	97.6	97.7	86.8	85.7	98.1	100.0
South Dakota	96.4	100.0	80.3	88.1	97.2	100.0
Tennessee	100.0	97.2	84.7	88.5	96.1	100.0
Wisconsin	96.5	96.7	83.8	87.9	97.5	100.0
PAD District III Average	97.3	97.4	85.0	81.4	98.2	99.4
Alabama	97.4	100.0	86.9	86.4	95.8	100.0
Arkansas	97.0	97.2	86.7	86.7	97.8	100.0
Louisiana	100.0	98.0	87.6	79.5	98.4	100.0
Mississippi	92.8	95.2	78.5	78.5	98.1	98.1
New Mexico	96.5	100.0	80.0	77.0	100.0	97.3
Texas	98.6	95.6	87.0	79.7	98.9	100.0
PAD District IV Average	97.3	97.4	85.7	83.9	99.3	100.0
Colorado	100.0	100.0	88.0	85.3	97.8	100.0
Idaho	100.0	93.8	82.8	84.8	100.0	100.0
Montana	92.8	87.5	90.0	88.5	100.0	100.0
Utah	100.0	100.0	77.2	77.2	100.0	100.0
Wyoming	91.7	100.0	90.9	83.6	100.0	100.0
PAD District V Average	93.3	94.9	81.0	79.2	97.9	97.6
Alaska	92.8	92.8	76.5	72.7	94.1	94.4
Arizona	93.1	92.8	87.5	77.2	100.0	100.0
California	97.3	95.0	77.1	77.5	97.8	95.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0
Nevada	95.0	91.3	87.8	84.0	100.0	100.0
Oregon	82.6	95.8	81.1	80.9	96.4	96.5
Washington	94.7	100.0	78.0	79.1	96.3	96.8

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,

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

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	2,829	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 EIA-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	1	--	--
-from selected countries	21	--	--
-by API gravity	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

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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, prices, and future concession rights. Current members are 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 the product to local distributors, local retailers, or 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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