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Petroleum Marketing Monthly

August 1990

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
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Introduction

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
- First Sales of Petroleum Products for 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 First 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 type" 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.").
- 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).
- Beginning with the April 1989 PMM, all tables containing motor gasoline data by grade present unleaded midgrade gasoline data separately. In previous publications, unleaded midgrade prices and volumes were included in the unleaded regular gasoline data.

Highlights

Highlights

Overview

The invasion of Kuwait by Iraqi forces on August 2, 1990 dominated activity on all petroleum markets throughout the month. The impact of the invasion itself, and the subsequent international backlash against Iraq, quickly spread throughout crude oil and petroleum product markets worldwide.

Despite a world surplus of crude oil stocks at the time of the invasion, the removal from export markets of both Iraqi and Kuwaiti production (totaling 4.3 million

barrels per day) and refining capacity had an immediate and sustained impact on prices. Throughout most of August, the perception among traders of crude oil and petroleum products here and abroad was that supply could be constrained further by possible hostilities. Additionally, increased military fuel needs for the buildup in the Persian Gulf area, as well as an unknown amount of precautionary buying, brought on a temporary demand increase, straining already reduced supplies. Although crude oil production increases were promised by most suppliers with spare capacity, sig-

Table HL1. 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					
	August 1990		July 1990		August 1989		August 1990		July 1990		August 1989	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor Gasoline	92.2	63.0	80.6	61.8	76.9	62.5	85.6	284.5	70.6	278.9	62.7	272.2
Leaded Regular	89.3	2.3	78.3	2.4	74.1	4.3	85.2	14.5	71.0	14.6	60.0	27.5
Unleaded Regular	88.7	41.7	75.7	37.8	72.3	37.9	82.8	189.7	66.5	178.2	58.9	163.6
Unleaded Midgrade	95.6	7.9	83.7	8.1	79.9	6.0	87.2	25.9	72.5	25.2	66.2	18.8
Premium	103.7	11.1	92.7	13.4	88.6	14.2	94.9	54.4	82.0	60.9	73.1	62.3
Aviation Gasoline	112.6	.3	103.6	.3	102.0	.2	110.5	1.0	100.2	.9	97.6	.9
Kerosene-Type Jet Fuel	70.3	43.5	55.3	41.7	55.1	41.3	71.3	8.1	56.0	8.2	54.4	9.1
Propane (Consumer Grade)	63.1	2.3	55.6	1.8	59.8	1.8	36.3	26.5	27.3	22.0	21.6	23.3
Kerosene	87.4	.1	59.3	.2	58.0	.1	80.7	1.7	57.1	1.0	59.8	.9
No. 1 Distillate	79.2	.3	63.5	.3	58.7	.2	83.2	1.2	59.9	.7	60.9	.8
No. 2 Distillate	75.9	27.0	54.7	24.9	53.4	29.6	73.0	102.7	51.9	93.9	51.9	95.0
No. 2 Fuel Oil	74.3	3.6	53.6	3.8	51.9	4.1	72.2	45.0	51.9	39.7	51.2	42.3
No. 2 Diesel Fuel	76.2	23.4	54.9	21.1	53.7	25.5	73.6	57.7	52.0	54.2	52.5	52.6
No. 4 Fuel^a	65.4	.8	43.9	.9	46.2	.8	63.3	.7	43.4	.6	41.6	1.4
Residual Fuel Oil	44.1	29.4	31.9	28.9	37.1	25.9	44.2	18.7	29.1	19.4	34.6	15.5
Sulfur Content not > 1 %	50.7	12.2	36.3	12.9	39.4	13.0	49.6	7.2	33.4	9.1	36.7	6.7
Sulfur Content > 1 %	39.4	17.2	28.3	16.0	34.8	12.9	40.8	11.5	25.3	10.3	32.9	8.8

^a 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 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 HL1. Refiner Wholesale Motor Gasoline Prices and Volumes

Source: Energy Information Administration, "Petroleum Marketing Monthly," Tables 4 and 5.

nificant lead time would be required to bring new volume to market.

Due to the pace of international military and diplomatic developments during the month, and the impact of events and rumors on markets, prices rose and fell on a day-to-day basis throughout August. Over the month, spot prices for West Texas Intermediate crude oil at Cushing, Oklahoma rose \$6.88 to \$27.45 per barrel. At New York Harbor, spot prices for unleaded regular gasoline and No. 2 heating oil increased 30.7 and 18.6 cents per gallon, to 96.8 and 74.7 cents per gallon, respectively.

The composite refiner acquisition cost of crude oil in the United States climbed \$7.41 (45.9 percent) in August, to \$23.56 per barrel, the highest level since Jan-

uary 1986. Total refiner sales of the major petroleum products rose 4.3 percent from July.

August 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 August increased \$6.72 (40.8 percent) to \$23.20 per barrel. The average landed cost of foreign crude oil rose \$6.40 (37.2 percent) to \$23.61 per barrel. Domestic crude oil first purchase prices climbed \$7.80 (55.6 percent), to \$21.82 per barrel.

The average refiner acquisition cost of domestic crude oil in August was \$23.00 per barrel, an increase of \$7.13 (44.9 percent) from July. The average cost of imported crude oil to U.S. refiners rose \$7.78 (47.3 percent), to \$24.23 per barrel.

Motor Gasoline

Total refiner sales of finished motor gasoline in August increased 6.8 million gallons per day (2.0 percent) from July, to 347.5 million gallons per day. Wholesale sales climbed 5.6 million gallons per day (2.0 percent), while retail sales went up 1.2 million gallons per day (1.9 percent).

Motor gasoline prices rose in all categories in August. Average refiner prices for motor gasoline climbed 11.6 cents at retail and 15.0 cents at wholesale levels, to 92.2 and 85.6 cents per gallon, respectively. Including data reported by the sample of motor gasoline marketers, national average retail prices increased 13.1 cents to 95.3 cents per gallon at company-operated retail outlets, and 17.0 cents to 95.7 cents per gallon for sales to other end users. Average wholesale prices rose 15.4 cents to 86.4 cents per gallon.

No. 2 Distillate

Total refiner sales of No. 2 distillate climbed 10.9 million gallons per day (9.2 percent) to 129.6 million gallons per day in August. No. 2 fuel oil sales increased

5.2 million gallons per day (12.0 percent), and sales of No. 2 diesel fuel sales rose 5.7 million gallons per day (7.6 percent).

Average retail prices increased in all categories. The national average residential price climbed 15.1 cents, to 98.9 cents per gallon. The average wholesale price for No. 2 distillate went up 21.0 cents, to 73.8 cents per gallon.

Residual Fuel Oil

Total refiner sales of residual fuel oil declined 100,000 gallons per day (0.2 percent) in August, to 48.2 million gallons per day. Residual fuel sales decreased 2.6 million gallons per day (11.8 percent) for low-sulfur, while sales of high-sulfur increased 2.6 million gallons per day (9.9 percent), from July levels.

Residual fuel oil prices increased in all categories in August. Refiner retail prices rose 14.4 cents per gallon for low-sulfur and 11.1 cents per gallon for high-sulfur fuel. Residual fuel wholesale prices for sales by refiners climbed 16.2 cents per gallon for low-sulfur and 15.5 cents per gallon for the high-sulfur grade. Including data reported by the sample of residual fuel oil marketers, average retail prices increased 13.5 cents per gallon for low-sulfur and 11.3 cents per gallon for high-sulfur. Average wholesale prices climbed 15.5 and 15.7 cents per gallon for the low-sulfur and high-sulfur categories, respectively.

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	13.30	14.38	10.61	14.57	12.46
1979 Average	12.64	20.19	21.65	14.27	21.67	17.72
1980 Average	21.59	32.27	33.95	24.23	33.89	28.07
1981 Average	31.77	35.10	36.52	34.33	37.05	35.24
1982 Average	28.52	32.11	33.18	31.22	33.55	31.87
1983 Average	26.19	27.73	28.93	28.87	29.30	28.99
1984 Average	25.88	27.44	28.46	28.53	28.88	28.63
1985 Average	24.09	25.83	26.66	26.66	26.99	26.75
1986 Average	12.51	12.52	13.49	14.82	14.00	14.55
1987 Average	15.40	13.69	17.65	17.76	18.13	17.90
1988						
January	13.64	13.66	14.92	15.80	15.45	15.68
February	13.43	13.79	14.72	15.58	15.43	15.53
March	12.96	13.43	14.47	14.91	14.73	14.84
April	13.92	14.28	15.17	15.87	15.62	15.77
May	14.12	14.49	15.52	16.35	15.93	16.18
June	13.59	13.97	14.87	15.74	15.50	15.65
July	12.38	13.25	14.07	14.64	14.81	14.71
August	12.22	12.84	13.64	14.36	14.32	14.34
September	11.63	12.24	13.03	13.96	13.84	13.91
October	10.62	11.69	12.42	12.90	13.05	12.96
November	10.31	11.94	12.49	12.61	12.66	12.63
December	11.99	13.21	14.10	13.88	14.11	13.98
1988 Average	12.58	13.25	14.00	14.74	14.56	14.67
1989						
January	13.79	14.67	15.69	15.49	15.98	15.70
February	14.23	15.49	16.40	16.11	16.59	16.31
March	15.63	16.72	17.48	17.39	17.77	17.55
April	17.01	18.23	18.97	18.92	19.59	19.22
May	16.75	17.52	18.33	19.02	19.06	19.03
June	16.40	16.80	17.61	18.56	18.27	18.43
July	16.32	16.47	17.39	18.31	17.97	18.16
August	15.01	16.12	16.83	17.23	17.23	17.23
September	15.58	16.49	17.28	17.70	17.62	17.66
October	16.24	17.10	17.92	18.20	18.29	18.24
November	16.30	17.34	18.16	18.46	18.32	18.39
December	17.00	18.83	19.55	19.16	20.04	19.54
1989 Average	15.85	16.89	17.68	17.88	18.08	17.97
1990						
January	18.50	18.84	19.82	20.75	20.51	20.64
February	18.18	18.01	18.97	20.75	19.84	20.35
March	16.58	16.91	17.96	19.32	18.94	19.14
April	14.52	14.94	15.98	17.37	16.71	17.06
May	13.82	14.57	15.36	16.46	16.03	16.26
June	12.79	13.81	14.93	15.07	14.89	14.98
July	14.02	16.48	17.21	15.87	16.45	16.15
August	21.82	23.20	23.61	23.00	24.23	23.56

^a FOB = Free on Board. See Glossary.

^b Values through 1980 reflect the month of reporting; values since then reflect the month of loading.

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 Wholesale Product Prices

Source: Energy Information Administration, "Petroleum Marketing Monthly," Tables 1 and 4.

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

Year Month	No. 2 Distillate										
	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Fuel Oil	No. 2 Diesel Fuel	Average	No. 4 Fuel ^a	Residual Fuel Oil
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	66.9	90.7	54.3	70.1	77.0	60.4	58.1	55.1	55.6	51.3	42.3
1988											
January	64.9	88.4	56.4	72.6	84.1	58.8	63.0	54.2	56.1	50.5	36.7
February	63.3	88.2	55.0	75.5	84.6	55.5	60.1	51.9	53.5	51.3	35.6
March	62.5	87.7	53.9	73.6	77.5	56.6	57.6	51.3	52.3	46.6	32.9
April	66.0	87.6	52.3	68.9	82.2	60.0	58.5	53.8	54.4	48.5	32.4
May	68.4	89.2	53.1	65.2	61.2	58.8	55.5	53.6	53.9	46.6	33.9
June	68.1	87.2	52.7	70.0	55.4	56.0	49.3	50.8	50.6	43.5	33.6
July	69.9	89.7	50.3	70.7	56.0	52.3	46.3	47.2	47.1	42.5	32.3
August	71.8	92.2	49.1	68.9	56.3	53.2	47.7	47.3	47.3	41.9	33.2
September	70.0	90.8	48.4	69.9	66.1	54.6	48.3	47.3	47.4	42.9	32.1
October	68.0	88.7	46.3	69.4	71.8	53.5	48.0	45.4	45.8	41.6	30.5
November	67.6	89.2	47.6	71.5	71.1	54.7	51.5	47.4	48.1	43.3	32.3
December	66.1	89.2	51.0	73.5	74.1	57.0	58.1	50.5	52.0	46.3	34.3
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											
January	65.8	89.1	56.2	66.2	71.4	60.5	58.3	53.5	54.2	49.0	36.3
February	66.2	89.7	57.0	64.1	72.2	59.2	55.9	54.3	54.6	48.3	34.9
March	68.6	90.5	57.9	61.8	67.6	62.0	57.7	56.9	57.1	49.2	36.8
April	81.9	99.0	60.6	55.3	66.2	67.6	59.4	60.6	60.5	53.0	41.2
May	85.8	106.9	58.1	52.7	59.7	63.8	54.5	56.9	56.6	50.3	41.3
June	84.7	107.1	56.1	56.6	53.9	61.0	50.2	53.2	52.8	46.4	39.6
July	82.4	105.4	54.7	60.6	55.3	58.5	51.9	53.1	53.0	46.1	38.9
August	76.9	102.0	55.1	59.8	58.0	58.7	51.9	53.7	53.4	46.2	37.1
September	75.2	100.7	58.9	60.1	66.8	67.1	57.2	59.5	59.2	50.0	37.1
October	75.0	100.4	63.8	59.9	73.6	70.4	61.6	63.6	63.3	53.6	39.5
November	72.9	98.6	64.4	58.4	77.7	71.8	62.6	64.3	64.0	53.7	39.9
December	72.4	97.3	68.2	74.6	89.7	79.2	76.2	71.2	72.2	64.3	46.4
1989 Average	75.8	99.5	59.2	61.9	71.0	66.2	59.1	58.4	58.5	51.2	39.1
1990											
January	78.6	102.0	79.7	94.5	99.9	81.5	81.0	76.4	77.4	71.8	52.0
February	76.5	102.4	68.9	81.2	81.2	66.6	63.9	61.9	62.2	57.1	43.6
March	75.0	100.9	63.5	71.5	82.3	67.6	62.4	60.6	60.8	55.0	40.1
April	77.8	101.4	61.1	68.5	74.2	67.1	61.6	60.2	60.4	50.6	35.5
May	80.1	103.5	58.1	54.8	65.4	64.9	57.4	58.4	58.3	48.3	34.1
June	81.3	104.0	55.6	57.4	58.5	61.9	51.5	54.0	53.6	45.0	30.4
July	80.6	103.6	55.3	55.6	59.3	63.5	53.6	54.9	54.7	43.9	31.9
August	92.2	112.6	70.3	63.1	87.4	79.2	74.3	76.2	75.9	65.4	44.1

^a 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 2. Refiner Retail Product Prices

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 2.

Table 3. 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		Total	No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel			
1983 Average	51.1	0.4	30.8	3.1	0.2	0.5	3.7	23.3	27.0	0.7	28.3
1984 Average	57.6	.3	32.9	3.3	.3	.5	4.9	26.3	31.2	.7	32.9
1985 Average	57.5	.3	34.6	3.7	.3	.5	5.0	25.0	29.9	.5	25.2
1986 Average	61.4	.3	34.6	3.6	.3	.4	4.3	24.5	28.8	.6	31.7
1987 Average	61.0	.2	36.8	3.8	.3	.4	4.5	24.1	28.5	.8	29.0
1988											
January	57.0	.2	35.1	6.7	.6	1.0	5.2	22.1	28.3	1.6	34.7
February	59.9	.2	38.0	6.6	.4	1.0	5.8	24.3	30.2	1.5	33.7
March	61.6	.2	38.2	5.0	.3	.4	5.1	26.2	31.3	1.5	32.2
April	61.6	.2	37.3	3.7	.1	.2	3.8	24.2	28.0	.8	24.8
May	60.7	.2	37.8	3.3	.2	.2	3.6	24.0	27.6	.8	23.5
June	62.9	.3	37.9	2.6	.2	.2	3.7	24.2	27.9	.8	24.7
July	61.9	.3	39.0	2.2	.1	.2	3.9	23.6	27.5	.9	27.2
August	62.5	.3	40.1	2.6	.2	.2	4.7	26.2	30.9	1.1	30.4
September	61.0	.2	39.1	3.4	.2	.2	3.5	25.4	29.0	.6	28.1
October	60.4	.2	39.5	4.5	.3	.3	4.1	24.6	28.7	.7	29.3
November	59.8	.2	38.0	4.8	.4	.4	5.0	24.8	29.8	.9	33.0
December	63.1	.2	38.8	5.7	.7	.8	6.0	23.8	29.8	1.4	40.3
1988 Average	61.0	.2	38.2	4.3	.3	.4	4.6	24.5	29.1	1.1	30.2
1989											
January	55.6	.2	39.5	3.6	.5	.8	4.1	23.7	27.8	1.2	32.5
February	58.7	.2	39.9	4.2	.4	1.1	4.6	23.9	28.5	1.2	30.6
March	60.7	.2	38.3	3.2	.4	.5	4.7	25.7	30.4	1.1	32.9
April	60.7	.2	38.9	2.9	.2	.2	3.0	25.4	28.4	.7	29.8
May	62.2	.2	39.0	2.3	.2	.2	3.2	24.7	27.9	.7	26.0
June	63.6	.2	40.7	1.7	.4	.2	4.1	25.4	29.5	.8	27.2
July	61.9	.2	41.8	1.5	.2	.2	3.2	22.4	25.6	1.0	28.6
August	62.5	.2	41.3	1.8	.1	.2	4.1	25.5	29.6	.8	25.9
September	61.8	.2	41.6	2.1	.2	.2	3.9	23.5	27.4	.6	21.0
October	62.0	.2	41.1	2.9	.2	.3	3.5	24.8	28.3	.8	20.9
November	61.7	.2	40.6	3.4	.3	.5	4.7	24.3	29.0	.9	25.4
December	63.4	.2	38.2	4.0	.7	1.0	6.1	23.7	29.8	1.3	31.5
1989 Average	61.2	.2	40.1	2.8	.3	.4	4.1	24.4	28.5	.9	27.7
1990											
January	58.3	.2	39.5	3.9	.3	.9	5.6	22.5	28.1	.8	34.0
February	57.7	.2	41.2	3.5	.4	.9	4.2	23.6	27.8	.9	29.6
March	59.8	.2	42.4	2.8	.2	.5	3.7	23.4	27.1	.9	25.3
April	59.7	.2	40.8	2.6	.2	.3	3.0	22.6	25.6	.9	27.1
May	60.6	.2	41.7	2.3	.2	.3	3.5	22.6	26.1	.8	24.3
June	63.6	.2	40.7	1.9	.2	.3	3.5	22.7	26.1	.6	23.7
July	61.8	.3	41.7	1.8	.2	.3	3.8	21.1	24.9	.9	28.9
August	63.0	.3	43.5	2.3	.1	.3	3.6	23.4	27.0	.8	29.4

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

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

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 3.

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

Year Month	No. 2 Distillate										
	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Fuel Oil	No. 2 Diesel Fuel	Average	No. 4 Fuel*	Residual Fuel Oil
1978 Average	47.4	53.7	38.6	23.7	40.4	40.8	38.9	38.5	38.7	30.5	28.3
1979 Average	61.7	72.1	66.0	29.1	62.4	58.3	56.9	57.4	57.1	47.0	39.9
1980 Average	54.1	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	72.3	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											
January	53.4	85.9	54.2	26.8	59.2	57.7	52.0	51.0	51.6	47.6	32.4
February	53.8	84.2	52.4	26.6	57.1	54.5	48.9	49.0	48.9	45.9	32.2
March	53.9	84.2	50.4	25.6	54.3	54.7	47.6	49.2	48.4	45.4	28.6
April	58.6	84.2	50.4	25.2	54.2	59.4	50.7	51.9	51.3	44.0	30.2
May	59.9	85.0	51.4	24.9	53.3	58.0	50.1	51.3	50.8	45.7	31.5
June	59.3	85.1	51.0	24.3	50.0	54.0	46.6	47.9	47.3	41.6	31.0
July	62.4	86.1	47.5	21.8	48.3	51.0	43.3	44.0	43.7	39.5	29.5
August	61.4	86.7	47.9	22.1	48.9	51.6	44.3	45.0	44.7	40.8	30.6
September	58.0	85.7	46.9	22.5	49.8	51.8	43.3	44.7	44.0	42.1	29.5
October	57.3	83.8	45.2	22.1	49.4	50.6	41.9	42.0	42.0	31.4	25.6
November	58.1	83.5	46.4	22.1	52.8	53.5	45.1	44.6	44.8	38.5	28.0
December	54.9	83.7	50.1	22.9	57.8	56.5	49.9	48.0	49.0	41.7	29.8
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											
January	56.3	84.0	56.3	24.0	63.1	59.7	53.2	51.1	52.3	44.9	32.6
February	57.5	86.0	55.2	22.7	59.5	58.2	51.0	52.9	51.9	43.5	32.3
March	61.2	86.6	56.5	22.5	61.3	61.8	54.4	56.0	55.1	44.0	32.2
April	74.2	94.2	59.4	22.6	60.3	66.9	56.5	59.9	58.2	56.0	38.2
May	76.5	101.8	56.6	22.1	55.9	62.0	52.5	54.1	53.4	43.9	37.7
June	74.0	101.2	54.5	21.3	53.8	57.9	49.6	51.0	50.4	46.7	35.3
July	69.1	100.9	53.5	20.7	57.0	58.4	50.3	50.6	50.5	44.1	35.7
August	62.7	97.6	54.4	21.0	59.8	60.9	51.2	52.5	51.9	41.6	34.6
September	65.8	96.2	58.6	23.1	63.6	66.8	56.4	58.6	57.6	49.1	35.1
October	64.3	93.3	63.1	24.4	67.4	69.9	60.1	62.4	61.4	51.1	36.7
November	61.5	92.5	63.4	24.4	68.4	70.9	60.4	62.2	61.3	50.3	36.7
December	61.6	92.8	67.4	26.4	81.7	78.2	72.8	68.4	70.8	58.1	42.3
1989 Average	65.5	95.0	58.4	24.6	66.9	66.7	56.5	56.8	56.6	48.0	35.8
1990											
January	69.2	96.8	77.0	54.5	87.0	78.6	73.8	69.3	71.7	65.3	48.1
February	67.2	95.0	66.9	34.0	67.9	65.8	57.7	57.1	57.4	53.6	38.2
March	66.3	93.8	61.7	27.1	64.8	67.2	57.9	57.7	57.8	51.6	34.4
April	69.7	96.4	59.9	25.2	62.4	66.2	57.5	57.5	57.5	50.4	33.3
May	72.6	97.4	57.4	24.0	59.2	62.8	54.5	55.4	55.0	43.5	30.5
June	72.2	99.6	54.8	24.9	53.9	57.6	49.4	50.5	50.1	44.0	27.2
July	70.6	100.2	56.0	27.3	57.1	59.9	51.9	52.0	51.9	43.4	29.1
August	85.6	110.5	71.3	36.3	80.7	83.2	72.2	73.5	73.0	63.3	44.2

* 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.

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. Refiner Wholesale Product Prices

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 4.

Table 5. 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		Total	No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel			
1983 Average	242.5	0.7	5.4	26.0	2.5	2.4	47.3	38.1	85.5	0.9	20.2
1984 Average	246.3	.8	6.6	26.7	2.2	2.6	51.4	42.8	94.2	1.7	21.3
1985 Average	256.9	.7	7.6	29.2	2.4	2.7	53.9	43.3	97.3	1.2	19.9
1986 Average	257.2	.7	10.1	26.3	2.4	2.4	54.5	46.8	101.1	1.2	18.7
1987 Average	257.2	.8	10.1	27.0	2.3	2.0	49.3	44.3	93.6	1.5	18.9
1988											
January	236.4	.5	11.7	37.4	6.5	6.4	68.3	46.5	114.8	2.0	20.4
February	250.1	.6	10.4	34.2	4.6	5.0	67.1	48.4	115.5	1.9	20.0
March	263.1	.7	10.7	28.5	2.6	2.2	60.9	53.0	113.9	1.6	18.1
April	262.1	.7	9.7	21.3	1.3	.8	45.1	45.1	90.1	1.4	18.9
May	265.7	.8	9.3	20.7	.6	.6	40.7	45.2	85.8	1.0	15.6
June	266.5	.9	10.1	21.5	.8	.6	37.1	49.0	86.1	.8	22.0
July	275.3	1.0	11.3	21.8	1.0	.7	40.3	46.5	86.9	.9	18.4
August	276.2	1.0	9.3	25.0	1.2	.8	41.6	49.0	90.6	.7	17.6
September	262.9	.8	10.6	27.5	1.9	1.8	42.9	46.7	89.6	1.0	15.0
October	258.6	.7	9.1	28.9	3.2	2.9	47.2	50.0	97.3	1.4	17.6
November	261.2	.6	8.5	28.4	3.6	4.2	51.1	47.8	98.9	.9	19.2
December	266.1	.5	8.8	37.0	5.6	5.6	59.0	46.1	105.0	1.4	24.5
1988 Average	263.7	.7	10.0	27.7	2.7	2.6	50.1	47.8	97.9	1.2	18.9
1989											
January	240.4	.5	9.8	31.6	4.8	4.9	60.9	45.4	106.2	2.0	22.1
February	245.0	.5	8.7	34.1	5.2	6.0	55.4	46.5	101.9	1.5	21.8
March	266.6	.7	8.1	28.8	2.9	2.5	56.0	49.4	105.4	1.5	21.6
April	252.1	.8	7.5	19.9	1.3	.8	42.9	45.8	88.7	.8	17.7
May	257.8	.7	8.0	18.1	.8	.6	37.4	47.5	85.0	1.3	18.7
June	271.5	.9	8.2	18.4	.6	.6	36.8	51.5	88.2	.7	16.9
July	259.5	.9	8.6	18.5	.6	.5	34.1	48.4	82.5	.5	16.4
August	272.2	.9	9.1	23.3	.9	.8	42.3	52.6	95.0	1.4	15.5
September	258.5	.8	9.1	23.7	2.0	1.5	42.3	49.7	92.0	.7	16.3
October	256.5	.7	9.1	27.8	2.7	2.5	44.1	51.6	95.7	1.1	20.5
November	257.5	.6	9.2	27.7	3.2	4.4	49.5	49.2	98.7	1.5	19.6
December	262.3	.5	9.2	40.3	7.2	7.4	65.4	53.0	118.3	1.9	24.3
1989 Average	258.4	.7	8.7	26.0	2.7	2.7	47.2	49.2	96.4	1.2	19.3
1990											
January	236.5	.5	9.6	32.2	4.0	3.9	50.9	46.0	96.9	1.5	23.1
February	250.4	.6	8.3	28.9	3.4	4.1	53.1	51.0	104.1	1.5	19.8
March	263.6	.6	9.0	24.4	2.6	1.8	45.1	50.3	95.5	1.0	19.5
April	262.3	.7	7.0	21.9	1.7	.9	42.5	51.7	94.2	1.0	16.8
May	273.7	.8	7.4	18.8	.7	.8	39.3	51.5	90.8	.8	15.1
June	279.3	1.0	8.8	19.7	.7	.7	42.3	54.4	96.7	.3	18.3
July	278.9	.9	8.2	22.0	1.0	.7	39.7	54.2	93.9	.6	19.4
August	284.5	1.0	8.1	26.5	1.7	1.2	45.0	57.7	102.7	.7	18.7

* 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. 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. Refiner Wholesale Product Volumes

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 5.

Figure 6. Refiner Retail Prices of Selected Products.

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 2.

Figure 7. Refiner Wholesale Prices of Selected Products

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 4.

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

Product	Major Refiners			Other Refiners			Average		
	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989
Motor Gasoline	92.2	81.5	77.7	92.3	78.0	74.2	92.2	80.6	76.9
Leaded Regular	87.8	79.6	74.4	91.0	77.0	73.6	89.3	78.3	74.1
Unleaded Regular	88.2	76.0	72.6	90.1	75.2	71.6	88.7	75.7	72.3
Unleaded Midgrade	95.6	84.0	80.2	95.7	82.1	75.8	95.6	83.7	79.9
Premium	103.6	93.8	89.6	103.8	88.5	84.2	103.7	92.7	88.6
Aviation Gasoline	112.8	103.8	102.0	W	W	W	112.6	103.6	102.0
Kerosene-Type Jet Fuel	70.3	55.3	55.0	69.9	55.2	55.8	70.3	55.3	55.1
Propane (Consumer Grade)	44.1	35.6	34.9	71.5	64.7	67.5	63.1	55.6	59.8
Kerosene	91.6	58.3	59.5	78.1	62.5	53.7	87.4	59.3	58.0
No. 1 Distillate	77.1	57.6	59.4	83.3	72.3	57.5	79.2	63.5	58.7
No. 2 Distillate	75.6	54.4	53.5	77.8	55.9	53.2	75.9	54.7	53.4
No. 2 Fuel Oil	73.5	53.0	51.8	77.4	55.2	52.4	74.3	53.6	51.9
No. 2 Diesel Fuel	75.9	54.6	53.7	77.9	56.1	53.4	76.2	54.9	53.7
No. 4 Fuel^a	66.4	43.8	46.6	60.3	45.1	44.7	65.4	43.9	46.2
Residual Fuel Oil	40.7	30.8	36.3	48.7	32.9	38.1	44.1	31.9	37.1
Sulfur Content not > 1 %	50.4	38.2	40.7	50.8	35.1	38.8	50.7	36.3	39.4
Sulfur Content > 1 %	37.8	27.1	34.4	44.5	30.0	36.1	39.4	28.3	34.8

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

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. Refiner Petroleum Product Prices for Resale by Seller Type
(Cents per Gallon Excluding Taxes)

Product	Major Refiners			Other Refiners			Average		
	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989
Motor Gasoline	86.1	72.3	64.5	83.9	65.1	56.5	85.6	70.6	62.7
Leaded Regular	84.4	72.7	61.0	86.8	68.0	58.1	85.2	71.0	60.0
Unleaded Regular	82.9	67.7	60.1	82.4	63.3	55.1	82.8	66.5	58.9
Unleaded Midgrade	87.2	73.0	66.4	87.6	67.2	60.1	87.2	72.5	66.2
Premium	95.1	83.0	74.6	93.0	74.6	62.1	94.9	82.0	73.1
Aviation Gasoline	110.8	100.2	97.6	103.2	100.3	98.2	110.5	100.2	97.6
Kerosene-Type Jet Fuel	72.1	57.1	55.7	70.5	54.6	52.9	71.3	56.0	54.4
Propane (Consumer Grade)	36.4	27.3	21.7	36.1	27.3	21.4	36.3	27.3	21.6
Kerosene	81.9	58.2	58.9	79.0	55.7	61.2	80.7	57.1	59.8
No. 1 Distillate	82.9	60.1	61.6	83.4	59.7	60.4	83.2	59.9	60.9
No. 2 Distillate	73.4	52.2	51.9	72.3	51.5	51.9	73.0	51.9	51.9
No. 2 Fuel Oil	72.1	52.1	51.2	72.4	51.5	51.3	72.2	51.9	51.2
No. 2 Diesel Fuel	74.5	52.3	52.5	72.2	51.4	52.5	73.6	52.0	52.5
No. 4 Fuel^a	W	W	W	69.9	43.4	41.5	63.3	43.4	41.6
Residual Fuel Oil	43.2	28.1	34.6	45.0	30.0	34.5	44.2	29.1	34.6
Sulfur Content not > 1 %	53.4	35.5	37.6	47.5	32.5	36.3	49.6	33.4	36.7
Sulfur Content > 1 %	38.8	25.2	33.2	42.8	25.5	32.6	40.8	25.3	32.9

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

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. Refiner Petroleum Product Volumes to End Users by Seller Type
(Thousand Gallons per Day)

Product	Major Refiners			Other Refiners			Total		
	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989
Motor Gasoline	47,654	45,724	47,958	15,328	16,040	14,589	62,981	61,765	62,548
Leaded Regular	1,259	1,235	2,558	1,013	1,136	1,768	2,272	2,371	4,326
Unleaded Regular	30,474	26,833	28,067	11,262	11,000	9,870	41,737	37,833	37,937
Unleaded Midgrade	6,800	6,895	5,675	1,084	1,218	364	7,883	8,113	6,039
Premium	9,120	10,761	11,658	1,969	2,687	2,588	11,089	13,448	14,246
Aviation Gasoline	W	W	W	W	W	W	262	254	245
Kerosene-Type Jet Fuel	39,194	37,290	37,598	4,286	4,447	3,670	43,480	41,737	41,268
Propane (Consumer Grade)	704	580	433	1,595	1,268	1,395	2,299	1,848	1,828
Kerosene	85	160	92	39	46	32	124	205	124
No. 1 Distillate	228	173	137	117	115	78	346	289	216
No. 2 Distillate	22,502	20,096	24,877	4,481	4,775	4,725	26,983	24,871	29,601
No. 2 Fuel Oil	2,879	2,776	3,108	738	998	948	3,617	3,774	4,055
No. 2 Diesel Fuel	19,623	17,320	21,769	3,743	3,776	3,777	23,366	21,097	25,546
No. 4 Fuel^a	658	836	628	132	109	162	790	946	790
Residual Fuel Oil	16,962	14,325	14,191	12,473	14,562	11,706	29,435	28,887	25,897
Sulfur Content not > 1 %	3,955	4,769	4,300	8,242	8,152	8,715	12,197	12,921	13,016
Sulfur Content > 1 %	13,007	9,556	9,891	4,231	6,410	2,990	17,238	15,966	12,881

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

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Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. 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. Refiner Petroleum Product Volumes for Resale by Seller Type
(Thousand Gallons per Day)

Product	Major Refiners			Other Refiners			Total		
	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989	Aug. 1990	July 1990	Aug. 1989
Motor Gasoline	224,658	213,968	212,317	59,816	64,954	59,851	284,475	278,922	272,168
Leaded Regular	9,669	9,286	17,690	4,832	5,356	9,814	14,501	14,641	27,503
Unleaded Regular	142,161	128,060	121,679	47,523	50,094	41,894	189,684	178,154	163,573
Unleaded Midgrade	24,064	23,122	13,111	1,792	2,098	642	25,856	25,221	18,753
Premium	48,763	53,500	54,838	5,669	7,407	7,501	54,432	60,906	62,339
Aviation Gasoline	910	842	862	42	41	52	952	882	914
Kerosene-Type Jet Fuel	4,191	4,647	4,997	3,959	3,569	4,098	8,150	8,216	9,084
Propane (Consumer Grade)	14,825	11,184	14,967	11,637	10,815	8,354	26,462	21,999	23,321
Kerosene	1,001	569	525	658	433	388	1,659	1,002	913
No. 1 Distillate	609	255	334	594	437	490	1,204	692	824
No. 2 Distillate	64,783	58,308	60,044	37,868	35,544	34,913	102,651	93,852	94,957
No. 2 Fuel Oil	28,663	23,642	26,376	16,320	16,027	15,968	44,983	39,669	42,343
No. 2 Diesel Fuel	36,121	34,666	33,668	21,548	19,517	18,946	57,669	54,182	52,614
No. 4 Fuel^a	W	W	W	W	W	W	686	579	1,405
Residual Fuel Oil	8,279	9,532	7,079	10,459	9,855	8,383	18,738	19,387	15,461
Sulfur Content not > 1 %	2,482	2,730	2,306	4,742	6,390	4,393	7,224	9,120	6,699
Sulfur Content > 1 %	5,796	6,802	4,773	5,717	3,465	3,990	11,514	10,267	8,762

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

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. Refiner Total Motor Gasoline Prices, Volumes, and Percentages by Seller Type

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									
August 1990	87.1	8,442	100.0	85.6	2,329	100.0	86.8	10,771	100.0
July 1990	73.9	8,050	100.0	67.6	2,511	100.0	72.4	10,561	100.0
August 1989	66.9	8,069	100.0	60.0	2,308	100.0	65.4	10,376	100.0
Sales to End Users									
August 1990	92.2	1,477	17.5	92.3	475	20.4	92.2	1,952	18.1
July 1990	81.5	1,417	17.6	78.0	497	19.8	80.6	1,915	18.1
August 1989	77.7	1,487	18.4	74.2	452	19.6	76.9	1,939	18.7
Through Company Outlets									
August 1990	92.6	1,398	16.6	92.8	449	19.3	92.7	1,847	17.1
July 1990	82.0	1,345	16.7	79.0	461	18.4	81.3	1,806	17.1
August 1989	78.4	1,414	17.5	75.5	413	17.9	77.8	1,827	17.6
Other End Users									
August 1990	85.0	79	.9	84.1	26	1.1	84.8	106	1.0
July 1990	71.1	73	.9	65.9	36	1.4	69.4	109	1.0
August 1989	63.5	73	.9	59.5	39	1.7	62.1	112	1.1
Sales for Resale									
August 1990	86.1	6,964	82.5	83.9	1,854	79.6	85.6	8,819	81.9
July 1990	72.3	6,633	82.4	65.1	2,014	80.2	70.6	8,647	81.9
August 1989	64.5	6,582	81.6	56.5	1,855	80.4	62.7	8,437	81.3

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, "Petroleum Marketing Monthly," Table 10, providing August 1990 data.

Table 11. 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 to End Users			Sales to End Users			Sales to End Users		
	Through Company Outlets	Other End Users	Sales for Resale	Through Company Outlets	Other End Users	Sales for Resale	Through Company Outlets	Other End Users	Sales for Resale	Through Company Outlets	Other End Users	Sales for Resale
1983 Average	91.2	88.1	85.0	98.0	91.5	89.5	NA	NA	NA	108.0	96.1	96.4
1984 Average	85.1	82.8	79.5	92.2	86.5	84.2	NA	NA	NA	102.1	93.7	91.8
1985 Average	84.6	82.0	79.3	92.5	86.1	84.3	NA	NA	NA	103.0	92.8	92.2
1986 Average	57.8	54.4	50.1	62.4	54.9	52.2	NA	NA	NA	74.8	63.0	61.0
1987 Average	62.3	57.4	56.5	65.9	56.4	56.9	NA	NA	NA	79.0	65.4	67.1
1988												
January	60.4	51.1	50.1	62.8	50.9	50.9	NA	NA	NA	77.4	60.2	62.6
February	58.6	51.9	50.6	61.2	51.8	51.3	NA	NA	NA	75.7	61.6	62.6
March	57.8	52.2	51.1	60.3	51.9	51.5	NA	NA	NA	74.8	59.7	62.3
April	61.5	57.9	56.2	63.9	55.9	56.0	NA	NA	NA	77.8	65.0	66.8
May	63.8	59.2	57.3	66.3	58.2	57.3	NA	NA	NA	79.9	67.2	68.5
June	63.4	58.7	56.7	65.6	57.8	56.5	NA	NA	NA	79.8	68.1	68.4
July	65.0	61.1	60.3	67.3	59.1	59.3	NA	NA	NA	81.5	69.6	71.7
August	67.2	62.1	59.2	69.5	59.8	58.2	NA	NA	NA	83.6	69.0	70.9
September	65.6	57.8	55.2	67.6	55.4	54.8	NA	NA	NA	82.3	66.0	68.1
October	63.6	53.6	54.0	65.5	53.0	54.0	NA	NA	NA	80.6	63.8	68.0
November	62.6	54.1	54.4	65.1	54.3	54.8	NA	NA	NA	80.1	66.3	68.8
December	61.1	50.0	50.6	63.3	51.6	51.5	NA	NA	NA	78.8	62.8	65.8
1988 Average	62.4	55.5	54.8	64.9	55.0	54.8	NA	NA	NA	79.4	64.9	67.2
1989												
January	60.3	51.5	52.4	62.1	52.4	52.4	72.0	64.0	62.3	78.6	63.5	66.8
February	61.4	54.9	54.0	62.5	53.7	53.5	71.7	64.1	62.9	79.1	64.6	67.3
March	64.3	60.0	58.6	65.0	57.2	57.5	73.3	60.4	64.7	81.1	68.8	70.5
April	78.9	76.6	72.7	78.9	72.2	70.7	85.7	81.8	75.7	93.1	82.0	83.7
May	82.8	74.4	74.1	82.9	73.5	73.1	89.9	83.7	79.0	97.5	84.4	86.2
June	81.6	74.2	72.2	81.4	72.4	70.6	88.6	79.9	76.6	96.7	82.6	83.5
July	80.2	67.5	67.8	78.9	67.2	65.3	85.8	72.0	71.7	94.5	77.2	79.2
August	75.4	59.5	60.0	73.2	59.7	58.9	80.3	68.8	66.2	89.4	70.6	73.1
September	71.9	64.1	63.6	71.2	63.3	62.3	78.6	69.4	68.5	87.4	73.2	75.2
October	70.9	63.4	61.7	70.8	63.1	60.5	78.5	67.7	67.0	87.3	71.8	74.1
November	68.6	59.3	58.9	68.6	59.6	57.5	76.7	65.4	64.3	85.5	69.0	71.1
December	67.3	61.5	58.3	67.6	59.4	57.5	76.0	64.7	64.7	84.9	69.5	71.1
1989 Average	71.8	64.1	63.1	72.3	62.8	61.9	80.1	69.4	68.6	87.8	73.4	75.0
1990												
January	71.3	64.4	63.8	74.4	66.8	65.5	84.1	74.5	73.1	91.6	77.5	78.9
February	71.1	65.7	63.2	72.3	65.4	63.4	80.7	71.3	70.4	89.2	76.3	77.4
March	71.3	66.3	64.0	70.5	63.9	62.6	78.6	69.5	68.6	87.8	74.5	76.0
April	73.6	68.0	67.5	73.4	68.0	66.0	81.4	73.8	71.9	90.3	77.6	79.4
May	75.9	71.3	70.3	75.9	70.5	69.1	83.8	76.7	74.7	92.6	81.6	82.6
June	78.7	NA	71.5	77.1	71.6	68.4	84.9	76.7	74.0	94.0	82.1	82.9
July	80.1	NA	71.0	76.3	67.0	66.5	83.9	75.1	72.5	93.6	77.8	82.0
August	89.8	81.5	85.2	89.1	82.4	82.8	95.9	88.8	87.2	104.2	93.8	94.9

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

Year Month	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
1983 Average	17.3	4.1	115.4	20.0	3.6	98.3	NA	NA	NA	5.0	1.2	28.7
1984 Average	17.5	3.1	105.8	24.3	3.5	106.8	NA	NA	NA	8.5	.7	33.7
1985 Average	15.0	2.7	99.2	26.2	3.6	119.7	NA	NA	NA	9.2	.7	38.0
1986 Average	14.4	2.3	84.9	30.9	3.9	128.1	NA	NA	NA	9.0	.9	45.0
1987 Average	11.8	1.4	62.3	32.7	3.4	141.9	NA	NA	NA	11.2	.5	53.0
1988												
January	9.3	1.0	46.0	31.0	2.7	135.8	NA	NA	NA	12.6	.4	54.5
February	9.8	.9	48.8	32.7	3.1	143.3	NA	NA	NA	12.9	.6	58.0
March	9.8	.8	52.4	33.7	3.3	149.6	NA	NA	NA	13.3	.7	61.0
April	9.5	.8	51.8	33.9	3.4	149.4	NA	NA	NA	13.3	.6	60.9
May	9.2	.6	52.2	33.8	3.1	151.6	NA	NA	NA	13.4	.5	62.0
June	9.3	.7	54.9	35.0	3.0	163.8	NA	NA	NA	14.4	.5	67.8
July	8.6	.6	48.9	34.7	3.0	161.9	NA	NA	NA	14.4	.5	64.4
August	8.4	.6	49.4	35.7	3.0	161.6	NA	NA	NA	14.2	.6	65.2
September	8.2	.6	46.6	34.5	3.1	153.2	NA	NA	NA	14.0	.6	63.1
October	7.6	.6	43.3	34.1	3.2	153.4	NA	NA	NA	14.2	.6	61.8
November	7.3	.6	40.1	34.3	3.0	158.1	NA	NA	NA	13.9	.7	63.0
December	7.2	.7	38.3	36.4	3.0	161.4	NA	NA	NA	15.2	.7	66.4
1988 Average	8.7	.7	47.7	34.2	3.1	153.6	NA	NA	NA	13.8	.6	62.4
1989												
January	6.3	.6	33.8	29.7	2.5	137.0	2.4	0.1	10.6	13.3	.7	59.0
February	6.2	.5	33.0	31.3	3.2	139.1	2.8	.1	11.2	13.8	.8	61.7
March	6.1	.6	36.2	32.4	3.4	152.3	3.2	.2	12.5	14.0	.8	65.6
April	5.9	.6	32.3	34.3	2.9	150.1	3.5	.1	13.0	12.6	.9	56.7
May	5.6	.5	31.3	35.7	2.9	154.4	4.2	.1	15.2	12.4	.8	56.9
June	5.1	.4	31.0	36.5	2.7	163.8	4.9	.1	17.1	13.0	.7	59.5
July	4.3	.4	27.2	35.7	2.2	157.9	5.4	.2	17.1	13.2	.6	57.3
August	4.0	.4	27.5	35.5	2.4	163.6	5.9	.2	18.8	13.6	.6	62.3
September	3.6	.3	23.9	35.0	2.3	156.3	6.2	.2	18.5	13.6	.6	59.8
October	3.3	.3	22.0	34.8	2.4	155.4	6.6	.2	19.4	13.7	.7	59.7
November	3.0	.3	18.8	34.4	2.3	155.1	6.8	.2	21.3	14.0	.6	62.2
December	2.9	.2	17.2	35.0	2.1	157.2	7.4	.2	21.8	15.1	.6	66.1
1989 Average	4.7	.4	27.8	34.2	2.6	153.6	4.9	.2	16.4	13.5	.7	60.6
1990												
January	2.6	.3	13.8	33.9	2.2	146.8	6.5	.2	19.9	12.2	.5	56.1
February	2.2	.2	14.7	33.2	2.4	157.2	6.9	.2	21.3	12.1	.6	57.2
March	2.3	.2	15.3	34.1	2.5	164.3	7.2	.2	22.7	12.7	.6	61.3
April	2.2	.2	14.9	34.1	2.2	165.3	7.4	.2	22.7	12.6	.8	59.4
May	2.2	.2	14.9	34.9	2.3	173.3	7.5	.2	24.2	12.5	.8	61.3
June	2.2	NA	14.9	36.6	2.7	178.4	7.9	.2	24.9	12.9	.7	61.1
July	2.1	NA	14.6	35.5	2.3	178.2	7.9	.2	25.2	12.7	.7	60.9
August	2.1	.2	14.5	39.3	2.4	189.7	7.6	.2	25.9	10.5	.6	54.4

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. Refiner Total Motor Gasoline Sales Volumes

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 12.

Table 13. Refiner Total Motor Gasoline Prices by Seller Type
(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	46.2	43.8	48.2	45.8	42.1	48.9	46.1	43.4
1979 Average	72.8	68.0	64.3	71.0	67.5	61.8	72.1	67.9	63.7
1980 Average	105.6	98.7	95.1	103.0	97.8	91.3	104.6	98.5	94.1
1981 Average	117.0	109.4	107.5	114.2	108.4	103.2	115.9	109.2	106.4
1982 Average	108.2	101.1	98.3	105.6	100.2	94.3	107.2	100.9	97.3
1983 Average	97.0	90.6	89.0	95.2	89.7	85.6	96.4	90.5	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	64.1	57.6	54.4	61.2	52.7	48.7	63.2	55.8	53.1
1987 Average	68.7	59.2	60.1	65.3	55.2	55.0	67.8	57.5	58.9
1988									
January	67.0	52.9	55.2	62.9	49.8	47.5	65.9	51.9	53.4
February	65.3	54.5	55.4	61.2	50.1	48.5	64.1	53.0	53.8
March	64.4	53.9	55.4	60.4	51.4	49.2	63.2	53.1	53.9
April	67.8	58.1	59.9	64.2	56.2	54.3	66.8	57.4	58.6
May	70.1	60.0	61.3	66.5	58.3	55.4	69.1	59.5	59.9
June	69.8	59.9	60.8	66.0	58.0	54.8	68.7	59.3	59.3
July	71.6	62.4	63.8	67.6	58.6	58.2	70.5	60.8	62.4
August	73.6	62.5	62.9	69.8	59.7	56.5	72.6	61.5	61.4
September	72.1	58.6	59.8	67.9	54.9	52.3	71.0	57.2	58.0
October	70.2	57.1	59.2	66.0	51.3	51.5	69.1	54.7	57.3
November	69.6	59.1	60.0	65.7	52.0	52.6	68.5	56.1	58.1
December	68.2	55.5	56.9	64.0	49.8	49.1	67.1	53.2	54.9
1988 Average	69.2	57.8	59.3	65.2	54.1	52.7	68.1	56.4	57.7
1989									
January	67.8	56.4	58.0	62.7	51.8	51.0	66.6	54.6	56.3
February	68.3	58.2	58.8	63.3	53.2	52.7	67.1	55.9	57.5
March	70.5	61.0	62.4	65.8	57.8	57.0	69.4	59.6	61.2
April	83.1	75.0	75.2	80.4	74.9	70.6	82.5	74.9	74.2
May	87.3	77.8	77.7	84.3	73.5	72.4	86.5	76.0	76.5
June	86.2	75.4	75.4	82.6	73.2	69.4	85.3	74.6	74.0
July	83.8	70.5	70.7	81.0	67.3	63.7	83.2	69.3	69.1
August	78.4	63.5	64.5	75.5	59.5	56.5	77.8	62.1	62.7
September	76.5	66.0	67.0	73.5	64.5	61.9	75.8	65.5	65.8
October	76.4	66.0	65.6	72.8	63.4	59.8	75.6	65.1	64.3
November	74.6	62.6	62.9	70.2	60.0	56.3	73.6	61.7	61.5
December	74.0	61.7	63.0	69.1	61.9	56.5	72.9	61.8	61.6
1989 Average	77.4	66.2	66.9	73.6	63.5	60.8	76.6	65.2	65.5
1990									
January	80.3	69.8	70.6	75.6	66.6	64.2	79.2	68.8	69.2
February	77.9	68.1	68.5	74.3	66.9	62.3	77.0	67.8	67.2
March	76.5	66.6	67.6	72.4	65.5	61.8	75.5	66.3	66.3
April	79.0	71.0	70.9	75.8	69.3	65.6	78.2	70.6	69.7
May	81.4	73.7	73.9	78.1	72.2	68.5	80.6	73.3	72.6
June	82.5	74.2	73.8	79.7	NA	67.1	81.8	73.8	72.2
July	82.0	71.1	72.3	79.0	65.9	65.1	81.3	69.4	70.6
August	92.6	85.0	86.1	92.8	84.1	83.9	92.7	84.8	85.6

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," January 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

Table 14. Refiner Total Motor Gasoline Volumes by Seller Type
(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	240.3
1985 Average	35.8	5.4	194.7	14.7	1.8	62.1	50.5	7.0	250.9
1986 Average	38.3	4.5	196.2	16.0	2.7	61.1	54.2	7.1	267.2
1987 Average	40.2	3.1	198.5	15.5	2.2	58.7	55.7	5.3	257.2
1988									
January	38.2	2.8	182.1	14.8	1.3	54.4	52.0	4.1	230.4
February	39.8	3.0	192.1	15.6	1.5	57.9	55.4	4.5	250.1
March	41.0	3.2	200.2	15.8	1.5	62.8	56.8	4.8	263.1
April	40.7	3.0	199.9	16.1	1.8	62.2	56.8	4.8	262.1
May	40.8	3.1	201.3	15.6	1.1	64.4	56.5	4.2	265.7
June	42.3	2.9	216.0	16.3	1.3	70.5	58.7	4.2	286.5
July	41.6	2.4	206.6	16.1	1.7	68.7	57.7	4.1	275.3
August	42.2	2.6	210.7	16.0	1.6	65.5	58.3	4.2	276.2
September	40.9	2.7	200.0	15.9	1.6	62.9	56.8	4.3	262.9
October	40.6	2.6	195.7	15.4	1.8	62.9	56.0	4.4	258.6
November	40.2	2.6	194.9	15.2	1.8	66.3	55.4	4.3	261.2
December	42.5	2.5	198.7	16.3	1.8	67.4	58.8	4.3	266.1
1988 Average	40.9	2.8	199.9	15.8	1.6	63.8	56.7	4.4	263.7
1989									
January	39.3	2.4	184.7	12.4	1.5	55.7	51.7	3.0	240.4
February	41.3	2.5	192.6	12.8	2.1	52.4	54.1	4.6	245.0
March	42.7	2.8	205.2	13.0	2.2	61.3	55.7	5.0	266.6
April	42.8	2.5	196.2	13.4	2.0	56.0	56.2	4.5	252.1
May	43.9	2.5	200.0	13.9	1.8	57.8	57.8	4.4	257.8
June	46.1	2.6	208.4	13.5	1.4	63.1	59.6	4.0	271.5
July	45.2	2.1	200.2	13.4	1.2	59.3	58.6	3.3	259.5
August	45.6	2.3	212.3	13.3	1.3	59.9	59.0	3.6	272.2
September	45.2	2.3	200.8	13.2	1.1	57.7	58.4	3.4	258.5
October	44.7	2.4	197.1	13.6	1.2	59.4	58.3	3.6	256.5
November	45.0	2.2	201.3	13.3	1.2	56.1	58.3	3.4	257.5
December	46.7	2.2	204.2	13.6	.9	58.1	60.3	3.1	262.3
1989 Average	44.1	2.4	200.3	13.3	1.5	58.1	57.3	3.9	258.4
1990									
January	42.3	2.2	183.9	12.9	1.0	52.7	55.1	3.2	236.5
February	40.9	2.5	196.6	13.5	.8	53.8	54.4	3.3	250.4
March	42.5	2.5	205.3	13.8	1.0	58.3	56.3	3.5	263.6
April	42.3	2.5	202.9	14.0	.8	59.3	56.3	3.3	262.3
May	42.6	2.5	210.4	14.5	1.0	63.4	57.1	3.5	273.7
June	44.9	2.4	214.3	14.8	NA	65.0	59.7	3.9	279.3
July	43.4	2.3	214.0	14.9	1.2	65.0	58.2	3.5	278.9
August	45.1	2.6	224.7	14.5	.9	59.8	59.6	3.4	284.5

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 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. No. 2 Distillate Prices
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users					Average	Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c		
1983 Average	107.8	88.3	88.3	94.3	89.7	93.3	81.0
1984 Average	109.1	85.7	87.0	92.0	89.2	92.6	81.9
1985 Average	105.3	82.1	83.4	88.6	85.3	89.0	78.1
1986 Average	83.6	51.4	53.7	59.8	56.9	61.4	48.0
1987 Average	80.3	58.6	59.7	64.4	63.1	64.3	53.5
1988							
January	84.7	57.4	58.3	65.2	60.1	69.3	52.0
February	83.9	54.4	56.6	63.5	59.4	66.6	49.8
March	83.1	53.4	55.6	62.6	61.2	64.0	49.1
April	83.1	55.6	58.1	63.8	63.2	63.9	51.8
May	81.9	54.7	57.2	64.1	62.1	61.6	51.4
June	79.1	51.2	54.4	62.4	59.4	57.7	48.1
July	76.7	47.9	51.2	60.9	56.6	54.8	44.6
August	73.7	48.3	51.1	60.1	56.2	54.7	45.4
September	75.9	48.4	51.2	59.2	56.9	55.8	44.8
October	75.5	47.3	50.4	58.4	56.2	56.4	42.8
November	77.2	49.9	52.5	59.0	55.6	59.2	45.6
December	81.4	54.0	55.4	61.4	57.1	64.9	50.1
1988 Average	81.3	51.9	54.2	61.6	58.7	61.2	48.2
1989							
January	85.0	57.1	58.6	63.6	59.8	68.1	53.2
February	85.5	57.0	59.3	64.4	61.5	68.7	52.4
March	87.1	59.5	62.2	66.1	65.2	69.5	55.6
April	87.8	61.0	64.3	70.7	69.0	69.6	57.8
May	86.7	57.9	60.2	69.1	66.4	65.3	53.8
June	84.2	54.5	56.7	66.3	62.5	60.9	51.1
July	82.1	54.7	56.4	65.1	62.0	60.4	51.2
August	81.6	55.6	58.1	64.3	63.2	61.2	52.6
September	81.4	60.5	64.0	68.7	68.4	66.4	57.8
October	85.6	64.4	67.8	71.3	71.9	70.7	61.3
November	88.3	65.2	68.0	72.4	71.7	72.9	61.5
December	107.6	77.1	77.8	81.4	79.4	89.0	72.1
1989 Average	90.0	60.8	63.3	68.5	66.9	69.5	57.2
1990							
January	114.0	80.2	80.4	89.4	80.8	92.0	74.0
February	96.3	64.1	66.5	75.7	69.0	76.3	59.0
March	94.7	62.7	65.6	71.4	69.1	73.2	58.6
April	93.1	62.1	65.3	71.1	70.0	71.2	58.2
May	90.7	59.4	63.6	69.5	67.7	67.0	55.7
June	86.4	55.1	59.1	66.4	63.3	61.9	50.9
July	83.8	56.7	60.0	66.7	64.2	62.8	52.8
August	98.9	78.4	83.1	88.5	86.3	84.8	73.8

^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. No. 2 Distillate Average Retail Prices

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 15.

Table 16. Prices of No. 2 Distillate to Residences
(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	47.0	50.7	49.2	49.6	50.1	48.0	49.1
1979 Average	72.0	68.0	70.9	72.8	72.8	72.5	68.2	74.2	70.1	71.0	71.2	69.8	70.4
1980 Average	90.3	86.3	87.8	100.4	101.1	101.5	95.4	102.6	97.9	97.9	98.2	96.4	98.8
1981 Average	121.7	120.4	121.3	123.7	123.8	125.4	117.3	127.4	121.4	121.8	123.2	118.1	120.5
1982 Average	118.3	115.5	117.8	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	110.8	112.9	108.0	117.0	110.3	107.9	112.1	108.8	108.7
1984 Average	112.1	103.9	111.8	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	105.7	107.7	104.6	114.3	108.8	105.9	111.3	102.3	105.3
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	86.8
1987 Average	83.4	74.7	80.6	78.5	82.5	81.1	79.3	91.8	86.6	84.3	85.2	78.9	79.5
1988													
January	88.9	80.3	85.6	82.5	87.1	85.9	83.9	95.8	90.9	88.1	89.1	82.9	82.7
February	89.0	79.7	84.1	81.6	88.4	85.9	83.2	96.0	90.3	87.7	88.4	82.0	83.4
March	87.4	79.2	83.3	80.3	84.7	85.0	81.5	93.1	88.2	88.8	87.3	81.1	83.8
April	88.1	78.7	83.2	79.0	85.4	85.0	82.5	91.8	89.1	85.8	86.7	80.5	83.0
May	87.6	77.6	82.3	78.3	85.1	84.4	82.5	93.9	87.9	85.4	84.9	79.1	81.7
June	86.4	75.4	78.3	79.3	81.4	83.8	80.9	89.7	86.8	82.5	83.5	74.6	79.1
July	83.5	73.3	77.1	76.6	78.3	81.3	73.4	87.6	85.0	80.9	81.7	71.1	77.3
August	81.9	75.7	74.2	73.8	79.7	80.3	73.9	85.9	84.2	78.6	78.0	63.9	77.0
September	80.8	71.7	80.0	73.3	78.4	78.5	72.6	85.8	78.0	76.3	83.0	68.6	75.8
October	79.9	69.0	77.7	71.5	75.5	77.0	71.8	84.1	78.3	77.8	81.7	69.5	74.8
November	80.5	72.0	77.9	72.3	79.7	77.8	74.8	85.6	81.3	78.8	83.3	70.9	77.1
December	84.4	80.2	82.8	77.3	83.4	81.6	79.6	89.8	85.0	84.0	87.8	76.5	79.6
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													
January	88.5	85.5	87.1	83.0	87.4	86.0	84.4	94.0	88.0	87.3	90.9	81.6	82.0
February	88.8	87.3	88.3	83.8	88.3	86.9	84.1	95.1	88.7	87.0	92.1	82.2	82.3
March	89.8	88.2	88.1	84.8	90.0	88.2	82.9	96.0	89.3	88.9	93.2	83.2	82.4
April	89.4	87.2	87.8	83.2	89.9	87.8	84.8	95.0	90.6	87.8	93.7	83.2	82.1
May	88.1	81.0	86.8	83.1	88.8	86.9	83.4	92.1	89.6	87.2	92.7	82.2	81.4
June	85.7	73.5	83.4	79.4	87.6	84.3	80.3	92.0	88.4	83.0	91.7	77.6	79.4
July	85.0	71.9	81.1	77.8	85.4	82.9	78.9	90.7	85.7	82.3	90.5	74.1	78.7
August	84.6	70.0	81.1	78.2	84.1	82.0	78.8	90.1	85.3	80.1	90.1	72.6	78.1
September	85.2	74.6	84.9	79.2	86.5	82.5	78.8	91.4	83.4	81.8	86.5	74.2	79.9
October	88.9	82.7	88.5	82.9	90.3	85.1	82.4	92.0	88.5	87.3	91.0	78.9	83.8
November	89.9	86.7	91.1	86.7	92.4	86.3	86.1	94.7	91.5	89.7	93.7	81.6	80.1
December	112.5	106.0	115.2	111.7	114.0	109.8	111.6	110.8	110.8	108.5	113.0	103.1	105.2
1989 Average	92.9	89.4	92.6	89.3	93.9	90.8	88.1	98.5	93.8	91.8	95.7	85.1	88.9
1990													
January	119.8	115.4	116.9	118.6	122.6	121.5	119.8	119.0	120.0	117.3	122.2	113.7	118.1
February	100.8	84.8	99.7	90.0	98.5	98.4	97.1	104.9	101.4	99.5	103.1	93.4	101.7
March	97.7	83.4	98.8	92.9	97.3	95.6	93.2	94.4	98.8	98.5	101.6	90.3	96.8
April	96.3	82.9	95.1	89.9	95.9	94.2	91.8	93.1	97.5	96.5	100.2	87.6	95.8
May	92.7	81.0	92.4	86.9	93.9	91.7	89.9	94.2	95.0	94.4	99.2	84.4	90.6
June	87.0	76.2	88.9	82.8	89.1	86.9	83.2	93.2	99.5	88.6	94.8	78.3	88.2
July	85.4	74.2	88.0	80.7	86.9	85.4	77.9	97.6	86.2	85.4	93.3	74.3	89.7
August	104.1	97.7	102.3	99.1	102.3	97.4	94.0	109.8	100.3	102.1	102.6	92.5	102.6

See footnotes at end of table.

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

Year Month	WV	IL	IN	MI	MN	OH	WI	ID	AK	OR	WA	U.S. Average
1970 Average	40.2	40.5	40.5	47.9	47.0	47.4	44.7	43.0	53.2	40.0	46.0	49.0
1979 Average	55.1	55.0	72.7	70.9	72.4	55.0	57.3	52.1	55.2	55.0	55.7	70.4
1980 Average	92.2	95.0	99.0	97.0	99.9	91.0	91.0	91.0	97.0	97.3	100.0	97.4
1981 Average	115.0	114.9	110.5	110.3	110.4	113.2	109.1	110.4	110.0	111.4	110.5	119.4
1982 Average	109.3	110.9	114.3	113.9	115.1	110.2	107.0	110.4	117.4	111.0	117.0	116.0
1983 Average	101.0	100.4	100.7	105.4	103.1	101.3	101.2	101.0	105.0	103.6	109.0	107.0
1984 Average	102.1	100.1	103.1	105.0	104.1	102.1	101.0	98.5	105.9	99.3	102.0	109.1
1985 Average	95.0	97.5	99.1	102.1	101.9	99.7	95.3	97.2	105.3	97.1	101.1	105.3
1986 Average	74.0	NA	74.0	81.0	79.2	77.7	75.0	73.0	94.9	70.4	77.5	83.0
1987 Average	75.4	79.0	75.4	77.5	74.0	74.7	75.1	80.0	85.5	72.5	79.5	80.3
1988												
January	78.7	85.4	78.3	81.2	75.5	77.2	70.9	74.4	88.3	76.0	83.2	84.7
February	70.1	80.1	70.7	80.0	74.4	77.1	70.0	71.7	85.0	74.9	82.1	83.0
March	75.6	80.1	77.4	78.2	72.0	70.1	75.0	70.0	88.7	73.5	81.3	83.1
April	74.6	87.4	79.0	78.0	73.1	77.1	77.7	73.3	80.0	75.0	82.1	83.1
May	73.0	86.7	78.0	77.5	74.3	74.5	76.8	71.9	88.9	74.0	82.3	81.9
June	71.0	82.9	80.1	73.7	73.5	71.9	74.0	70.5	88.1	73.9	78.0	79.1
July	70.3	83.0	74.0	73.3	75.7	70.0	72.7	67.7	85.5	66.4	73.5	70.7
August	67.9	80.3	74.1	73.9	72.2	69.2	71.2	64.3	85.7	64.3	70.1	73.7
September	69.3	80.0	69.5	74.2	72.4	72.0	68.8	67.4	89.7	64.0	73.9	75.0
October	71.3	80.4	71.2	75.4	71.1	71.2	60.0	60.0	86.2	62.4	71.0	75.5
November	74.1	70.6	72.1	75.0	72.7	73.0	69.9	60.0	85.3	63.4	73.4	77.2
December	73.9	73.1	75.3	77.0	73.0	75.2	71.0	60.9	85.0	64.2	75.7	81.4
1988 Average	74.2	77.0	75.4	77.5	73.5	74.7	73.0	60.0	86.9	70.9	78.5	81.3
1989												
January	76.1	76.0	77.0	79.1	75.4	78.0	73.9	68.0	37.0	66.7	70.5	85.0
February	70.0	75.0	77.2	79.4	75.7	70.7	74.0	71.4	91.2	78.8	86.0	85.5
March	77.1	76.5	77.9	81.0	77.0	77.5	75.0	78.2	98.0	84.3	92.9	87.1
April	77.0	79.0	80.2	83.1	82.3	79.4	76.3	85.0	99.5	87.4	94.1	87.8
May	77.4	78.5	78.1	83.0	82.1	78.5	78.0	83.5	100.0	79.7	87.2	86.7
June	80.9	77.0	78.4	80.1	81.1	79.3	78.0	79.1	101.5	75.0	78.0	84.2
July	78.1	74.5	78.1	80.3	80.0	79.4	75.7	77.3	105.0	71.2	74.6	82.1
August	73.0	78.3	75.0	79.1	79.4	78.1	75.5	77.0	108.1	71.2	78.1	81.6
September	79.3	77.4	80.1	82.9	80.0	77.5	76.5	80.3	96.3	81.5	83.9	81.4
October	81.7	81.9	83.3	86.4	82.4	78.4	79.5	82.7	103.9	86.5	91.7	85.6
November	83.1	82.9	84.0	88.2	88.4	78.8	82.7	84.8	98.0	86.4	93.4	88.3
December	100.0	94.0	98.6	102.3	95.6	97.2	97.0	84.4	98.2	86.0	93.1	107.0
1989 Average	83.1	80.9	83.3	85.6	82.4	81.7	81.0	77.7	97.4	80.3	87.3	90.0
1990												
January	109.2	95.2	99.7	103.5	100.9	96.0	91.0	85.7	98.6	88.7	96.0	114.0
February	89.4	83.2	85.6	92.0	88.1	82.8	83.9	80.8	90.6	83.9	89.0	96.3
March	87.1	83.4	83.1	88.7	85.5	81.2	83.1	80.9	104.2	84.4	88.6	94.7
April	83.7	82.2	83.7	86.5	85.0	80.8	82.9	81.7	97.9	85.1	90.0	93.1
May	83.0	78.3	82.4	81.7	85.2	81.9	81.0	79.4	101.7	84.6	84.3	90.7
June	83.4	73.8	72.8	81.1	80.4	82.6	79.5	74.0	102.1	81.9	85.0	88.4
July	79.2	76.7	74.7	82.4	83.0	81.6	77.5	70.5	97.8	79.3	78.3	83.8
August	98.1	97.2	98.1	100.3	102.1	93.3	92.0	90.6	114.7	95.3	91.0	98.9

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, "Retailer/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. 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	27.8	24.6	29.8	28.3
1979 Average	48.8	48.0	38.9	30.8	43.8	39.9
1980 Average	67.8	60.8	62.3	47.9	60.7	52.8
1981 Average	82.9	74.8	67.3	62.2	75.8	66.3
1982 Average	74.7	69.5	61.1	57.2	67.8	61.2
1983 Average	69.5	64.3	61.1	59.1	65.1	60.9
1984 Average	72.0	68.5	66.9	63.9	68.7	65.4
1985 Average	64.4	61.0	68.2	68.0	61.0	57.7
1986 Average	37.2	32.8	31.7	28.9	34.3	30.5
1987 Average	44.7	41.2	39.8	38.2	42.3	38.6
1988						
January	41.9	38.5	31.8	27.7	38.7	32.4
February	40.2	35.2	31.4	27.4	35.8	32.2
March	38.9	32.4	29.0	25.0	32.9	28.8
April	35.8	33.5	30.2	27.5	32.4	30.2
May	36.8	34.0	32.2	29.8	33.9	31.5
June	35.3	32.9	32.3	29.0	33.6	31.0
July	35.7	31.8	30.0	27.7	32.3	29.5
August	36.0	32.7	30.7	28.4	33.2	30.8
September	34.7	31.4	30.1	28.4	32.1	29.5
October	34.4	29.2	28.7	23.5	30.5	25.6
November	36.1	31.9	27.2	24.5	32.3	28.0
December	38.8	35.6	28.6	27.0	34.3	29.8
1988 Average	37.2	33.3	30.0	27.1	33.4	30.0
1989						
January	41.7	37.8	31.3	29.2	38.3	32.6
February	39.8	36.5	30.2	28.9	34.9	32.3
March	41.8	38.0	30.1	27.5	36.8	32.2
April	46.6	43.9	35.5	33.2	41.2	38.2
May	46.5	42.9	37.0	34.5	41.3	37.7
June	42.8	38.1	36.6	34.0	39.8	35.3
July	42.1	38.4	35.7	33.5	38.9	35.7
August	39.4	36.7	34.8	32.9	37.1	34.6
September	40.2	37.9	34.7	31.8	37.1	35.1
October	43.2	39.6	36.5	33.8	39.5	36.7
November	44.1	40.3	38.7	33.7	39.9	36.7
December	53.4	46.9	39.9	37.7	46.4	42.3
1989 Average	43.6	40.0	34.9	32.5	39.1	35.8
1990						
January	60.0	58.0	45.1	41.9	52.0	48.1
February	51.3	44.6	37.2	34.7	43.6	38.2
March	45.3	39.8	35.4	31.2	40.1	34.4
April	39.6	36.1	32.5	31.1	35.5	33.3
May	37.9	34.2	31.4	28.5	34.1	30.5
June	34.2	31.4	27.6	24.8	30.4	27.2
July	36.3	33.4	28.3	25.3	31.9	29.1
August	50.7	49.6	39.4	40.8	44.1	44.2

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.

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. Refiner Residual Fuel Oil Prices

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 17.

Table 18. 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						
January	17.0	10.9	17.7	9.5	34.7	20.4
February	15.9	12.2	17.8	7.8	33.7	20.0
March	15.7	9.0	16.5	9.2	32.2	18.1
April	9.8	8.4	15.0	10.5	24.8	18.9
May	8.7	6.5	14.8	9.1	23.5	15.6
June	10.5	11.3	14.2	10.7	24.7	22.0
July	11.0	7.8	16.3	10.6	27.2	18.4
August	14.1	9.1	16.3	8.5	30.4	17.6
September	12.5	5.4	15.6	9.5	28.1	15.0
October	14.5	6.5	14.8	11.0	29.3	17.6
November	18.7	9.0	14.4	10.2	33.0	19.2
December	22.4	8.1	17.9	16.4	40.3	24.5
1988 Average	14.2	8.7	15.9	10.3	30.2	18.9
1989						
January	15.6	8.8	16.8	13.3	32.5	22.1
February	15.1	9.6	15.6	12.1	30.6	21.8
March	18.8	9.6	14.1	12.0	32.9	21.6
April	15.2	8.2	14.6	9.5	29.8	17.7
May	11.9	7.3	14.1	11.4	26.0	18.7
June	13.1	5.5	14.1	11.4	27.2	16.9
July	14.1	7.5	14.5	9.0	28.6	16.4
August	13.0	6.7	12.9	8.8	25.9	15.5
September	9.2	8.9	11.7	7.4	21.0	16.3
October	9.4	10.3	11.5	10.2	20.9	20.5
November	11.2	8.9	14.2	10.8	25.4	19.6
December	15.0	12.2	16.4	12.1	31.5	24.3
1989 Average	13.5	8.6	14.2	10.7	27.7	19.3
1990						
January	15.8	10.2	18.2	13.0	34.0	23.1
February	13.3	7.0	16.3	12.8	29.6	19.8
March	11.9	7.3	13.4	12.2	25.3	18.5
April	11.3	7.3	15.9	9.5	27.1	16.8
May	9.9	5.2	14.4	9.9	24.3	15.1
June	10.2	6.5	13.5	11.8	23.7	18.3
July	12.9	9.1	16.0	10.3	28.9	19.4
August	12.2	7.2	17.2	11.5	29.4	18.7

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. 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. Refiner Residual Fuel Oil Total Volumes

Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 18.

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									
January	15.64	15.24	15.50	16.25	16.16	16.22	15.80	15.45	15.68
February	15.43	15.38	15.41	16.02	15.62	15.89	15.58	15.43	15.53
March	14.69	14.76	14.72	15.52	14.62	15.20	14.91	14.73	14.84
April	15.81	15.74	15.78	16.04	15.28	15.76	15.87	15.62	15.77
May	16.23	15.93	16.10	16.67	15.93	16.41	16.35	15.93	16.18
June	15.58	15.52	15.55	16.19	15.43	15.91	15.74	15.50	15.65
July	14.43	14.91	14.62	15.19	14.48	14.94	14.64	14.81	14.71
August	14.22	14.26	14.24	14.72	14.49	14.63	14.36	14.32	14.34
September	13.84	13.89	13.86	14.26	13.69	14.05	13.96	13.84	13.91
October	12.69	13.17	12.89	13.43	12.70	13.15	12.90	13.05	12.96
November	12.35	12.59	12.45	13.27	12.90	13.12	12.61	12.66	12.63
December	13.86	14.03	13.93	13.96	14.35	14.11	13.88	14.11	13.98
1988 Average	14.59	14.57	14.58	15.12	14.55	14.91	14.74	14.56	14.67
1989									
January	15.42	15.88	15.62	15.69	16.30	15.93	15.49	15.98	15.70
February	15.96	16.63	16.25	16.51	16.46	16.49	16.11	16.59	16.31
March	17.29	17.75	17.49	17.67	17.81	17.72	17.39	17.77	17.55
April	18.91	19.72	19.29	18.94	19.12	19.01	18.92	19.59	19.22
May	18.89	18.98	18.93	19.33	19.32	19.33	19.02	19.06	19.03
June	18.43	18.22	18.33	18.90	18.47	18.73	18.56	18.27	18.43
July	18.18	17.82	18.01	18.68	18.45	18.59	18.31	17.97	18.16
August	17.02	17.18	17.10	17.79	17.43	17.64	17.23	17.23	17.23
September	17.61	17.59	17.60	17.92	17.74	17.85	17.70	17.62	17.66
October	18.10	18.28	18.19	18.44	18.35	18.41	18.20	18.29	18.24
November	18.28	18.27	18.27	18.90	18.50	18.75	18.46	18.32	18.39
December	19.06	20.37	19.65	19.40	18.90	19.22	19.16	20.04	19.54
1989 Average	17.76	18.08	17.90	18.20	18.09	18.16	17.88	18.08	17.97
1990									
January	20.67	20.62	20.65	20.95	20.13	20.61	20.75	20.51	20.64
February	20.62	19.93	20.30	21.05	19.55	20.47	20.75	19.84	20.35
March	19.13	18.94	19.04	19.79	18.95	19.45	19.32	18.94	19.14
April	17.06	16.66	16.86	18.07	16.88	17.62	17.37	16.71	17.06
May	16.27	16.01	16.14	16.88	16.10	16.56	16.46	16.03	16.26
June	14.71	14.99	14.85	15.85	14.54	15.33	15.07	14.89	14.98
July	15.74	16.71	16.23	16.18	15.55	15.93	15.87	16.45	16.15
August	23.27	24.88	24.03	22.34	21.91	22.17	23.00	24.23	23.56

NA = Not available.

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

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

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

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

Year Month	U.S. Average		PAD District I				PAD District II						
	Total U.S.	Less Alaska North Slope	PAD I Average	New York	Pennsylvania	West Virginia	PAD II Average	Illinois	Indiana	Kansas	Kentucky	Michigan	Nebraska
1978 Average	9.00	9.56	12.25	W	14.72	14.48	11.91	13.81	13.70	13.20	13.73	11.86	11.40
1979 Average	12.64	13.01	14.30	W	24.13	23.35	18.33	23.49	23.28	21.57	22.55	14.47	18.13
1980 Average	21.59	22.65	22.66	W	37.46	36.92	30.12	35.78	35.91	34.20	34.98	23.54	30.60
1981 Average	31.77	33.71	35.22	W	36.03	35.63	35.63	36.03	36.07	35.80	35.90	35.74	35.32
1982 Average	28.52	30.43	31.77	30.91	30.77	29.98	31.65	31.69	31.66	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	14.78	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													
January	13.64	15.05	14.80	W	15.99	15.02	15.79	15.93	15.80	15.71	15.51	16.08	15.27
February	13.43	14.84	14.91	15.84	16.03	15.08	15.62	15.73	15.54	15.51	15.32	15.89	14.89
March	12.96	14.31	14.62	15.84	16.00	15.01	15.02	15.05	15.07	14.89	14.68	15.20	14.53
April	13.92	15.24	15.16	16.31	16.26	15.43	16.11	16.27	16.32	16.05	16.04	16.28	15.72
May	14.12	15.59	15.39	15.78	16.02	15.21	16.25	16.41	16.49	16.19	16.11	16.55	15.87
June	13.59	15.01	15.21	W	15.99	15.07	15.55	15.62	15.65	15.44	15.32	15.86	15.03
July	12.38	13.66	14.27	W	15.08	14.12	14.19	14.34	14.29	14.14	14.03	14.55	13.76
August	12.22	13.56	14.22	W	15.00	14.05	14.13	14.20	14.13	14.01	14.06	14.60	13.64
September	11.63	13.08	13.50	W	14.21	13.24	13.60	13.75	13.73	13.51	13.73	13.92	13.17
October	10.62	12.07	12.31	14.10	14.08	13.08	12.63	12.71	12.64	12.51	12.74	12.86	12.11
November	10.31	11.73	12.08	W	14.00	13.03	12.33	12.78	12.88	12.30	12.85	12.59	11.93
December	11.99	13.30	13.15	W	13.95	13.05	14.22	14.51	14.62	14.06	14.54	14.30	13.74
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													
January	13.79	15.22	15.27	15.93	16.18	15.28	16.14	16.55	16.63	16.03	16.57	16.27	15.71
February	14.23	15.46	15.21	16.30	16.10	15.14	16.28	16.77	16.85	16.23	16.81	16.37	15.86
March	15.63	16.74	16.57	17.61	17.57	16.63	17.81	18.37	18.34	17.92	18.29	17.83	17.45
April	17.01	18.23	18.05	W	18.97	W	19.13	19.65	19.64	19.26	19.61	19.18	18.68
May	16.75	18.00	17.88	W	19.03	18.04	18.57	18.97	18.95	18.64	19.01	18.69	18.10
June	16.40	17.72	17.80	W	18.99	18.09	18.53	18.89	18.89	18.67	18.94	18.53	18.05
July	16.32	17.63	17.76	W	18.98	18.02	18.58	18.71	18.67	18.82	18.78	18.61	17.87
August	15.01	16.22	16.67	18.83	18.43	17.44	17.13	17.28	17.35	17.23	17.21	17.15	16.25
September	15.58	16.92	17.21	18.42	18.29	17.26	17.96	18.13	18.16	18.02	18.14	17.94	17.07
October	16.24	17.59	17.77	W	18.24	17.38	18.66	18.83	18.86	18.75	18.74	18.74	17.78
November	16.30	17.53	17.56	W	18.25	17.33	18.43	18.76	18.73	18.75	18.75	18.51	17.41
December	17.00	18.22	18.26	18.14	18.47	W	19.30	19.65	19.60	19.68	19.62	19.34	18.32
1989 Average	15.85	17.12	17.16	W	18.15	17.18	18.04	18.36	18.37	18.18	18.36	18.08	17.36
1990													
January	18.50	19.98	20.36	W	20.82	19.91	20.90	21.37	21.36	21.19	21.15	21.06	20.00
February	18.18	19.74	20.34	W	21.01	20.13	20.56	20.92	20.78	20.86	20.67	20.71	19.72
March	16.58	18.18	19.09	W	20.19	19.21	19.01	19.42	19.38	19.27	19.09	19.08	18.19
April	14.52	16.06	17.10	W	18.23	17.34	17.09	17.57	17.64	17.35	17.23	17.07	16.18
May	13.82	15.53	16.76	18.16	17.93	16.97	16.92	17.30	17.32	17.17	17.13	16.96	15.95
June	12.79	14.25	15.63	17.72	17.06	16.18	15.55	16.05	15.92	15.73	15.66	15.54	14.37
July	14.02	15.39	16.21	17.17	16.86	15.90	17.04	17.59	17.54	17.30	17.34	17.02	16.03
August	21.82	23.50	23.70	24.34	23.65	22.72	25.28	25.89	26.00	25.58	24.09	25.50	24.48

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					New Mexico	Texas	Federal Offshore Gulf
	North Dakota	Ohio	Oklahoma	South Dakota	PAD III Average	Alabama	Arkansas	Louisiana	Mississippi				
1978 Average	9.75	13.80	11.30	12.16	9.37	10.52	10.63	9.03	7.91	10.17	9.29	9.86	
1979 Average	13.64	22.79	17.53	15.35	12.33	11.97	14.72	11.42	10.74	14.33	12.65	11.23	
1980 Average	26.42	36.64	29.25	28.81	21.24	20.57	24.17	19.87	20.85	24.06	21.84	18.87	
1981 Average	35.63	36.11	35.43	35.55	35.00	35.80	33.69	35.45	30.47	35.04	35.06	35.07	
1982 Average	31.89	30.90	32.04	31.63	31.92	32.32	30.12	32.44	29.04	31.82	31.77	32.61	
1983 Average	29.27	28.14	29.67	29.10	29.45	30.07	28.28	30.02	26.76	29.26	29.35	29.77	
1984 Average	28.39	27.71	29.11	28.36	29.03	29.39	28.15	29.67	27.26	28.69	28.87	29.36	
1985 Average	25.32	25.11	26.28	25.79	26.91	25.77	25.79	27.22	25.51	26.84	26.80	27.33	
1986 Average	13.54	15.51	14.47	13.81	14.89	13.91	14.54	15.32	13.63	14.93	14.73	15.27	
1987 Average	16.76	17.42	17.62	16.96	17.57	16.80	17.23	17.97	16.78	17.57	17.55	17.54	
1988													
January	15.19	15.96	15.97	15.35	15.94	15.12	15.23	16.34	15.34	15.95	15.90	15.97	
February	14.96	15.92	15.82	14.98	15.80	14.94	15.21	16.28	15.16	15.77	15.75	15.83	
March	15.08	15.89	15.32	14.42	15.12	14.21	14.67	15.59	14.40	15.12	15.09	15.09	
April	15.02	16.25	16.33	15.69	16.10	15.03	15.92	16.63	15.35	16.10	16.08	15.99	
May	15.50	16.09	16.47	15.70	16.42	15.58	16.07	16.86	15.60	16.48	16.39	16.34	
June	14.83	16.03	15.76	15.05	15.83	14.88	15.34	16.16	14.91	15.82	15.82	15.87	
July	13.43	14.83	14.37	13.57	14.35	13.51	14.04	14.87	13.54	14.43	14.25	14.47	
August	13.32	14.91	14.34	13.52	14.23	13.41	13.92	14.68	13.51	14.29	14.19	14.19	
September	12.79	14.01	13.80	12.94	13.67	12.81	13.43	14.10	12.94	13.76	13.62	13.70	
October	11.84	13.94	12.81	11.95	12.74	11.89	12.44	13.12	12.04	12.81	12.71	12.69	
November	11.55	13.90	12.36	11.65	12.43	11.52	12.19	12.95	11.78	12.49	12.38	12.37	
December	13.31	14.03	14.54	13.58	14.06	13.32	13.95	14.61	13.48	14.13	14.10	13.71	
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													
January	15.31	16.20	16.35	15.48	16.10	15.23	15.94	16.63	15.45	16.08	16.07	16.03	
February	15.44	16.15	16.48	15.75	16.30	15.59	15.83	16.73	15.58	16.25	16.18	16.55	
March	16.87	17.53	17.97	17.14	17.68	16.93	17.27	18.25	16.97	17.64	17.63	17.65	
April	18.21	19.02	19.26	18.39	19.00	18.36	18.56	19.51	18.28	18.95	19.00	18.87	
May	17.76	18.98	18.68	17.97	18.61	18.17	17.95	19.15	17.68	18.51	18.50	18.79	
June	17.58	19.00	18.66	17.73	18.38	17.89	17.84	18.91	17.54	18.35	18.30	18.45	
July	17.57	18.96	18.77	17.89	18.31	17.68	17.64	18.81	17.49	18.35	18.28	18.25	
August	16.05	18.32	17.35	16.23	16.78	16.27	16.12	17.27	15.93	16.92	16.73	16.75	
September	16.95	18.24	18.23	17.16	17.63	17.10	17.08	18.15	16.75	17.68	17.64	17.46	
October	17.74	18.27	18.94	17.83	18.33	17.78	17.81	18.70	17.35	18.33	18.35	18.21	
November	17.51	17.84	18.58	17.59	18.20	17.84	17.62	18.68	17.06	18.21	18.14	18.26	
December	18.46	18.53	19.43	18.75	18.93	18.52	18.60	19.34	17.87	19.03	18.98	18.67	
1989 Average	17.12	18.06	18.23	17.33	17.85	17.26	17.34	18.34	17.00	17.86	17.81	17.82	
1990													
January	19.86	20.96	21.01	20.28	20.66	20.09	20.15	21.24	19.50	20.67	20.60	20.71	
February	19.64	20.82	20.63	19.92	20.30	19.88	19.53	21.00	18.96	20.26	20.20	20.39	
March	18.20	20.11	19.02	18.13	18.68	18.50	17.86	19.48	17.31	18.66	18.51	18.89	
April	16.16	18.18	17.16	16.34	16.68	16.61	15.73	17.30	15.43	16.74	16.55	16.83	
May	15.91	18.03	17.03	16.22	16.36	16.17	15.60	16.88	15.25	16.49	16.30	16.37	
June	14.66	17.12	15.62	14.91	14.96	14.64	14.17	15.45	13.68	15.09	14.89	15.03	
July	16.04	16.85	17.18	16.18	16.27	15.95	15.79	16.85	15.15	16.46	16.26	16.08	
August	24.29	23.82	25.49	24.76	24.48	24.57	24.18	25.11	23.34	24.64	24.54	24.01	

See footnotes at end of table.

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

Year Month	PAD District IV					PAD District V				
	PAD IV Average	Colorado	Montana	Utah	Wyoming	PAD V Average	Alaska North Slope	Alaska Other	California	Federal Offshore California
1978 Average	9.50	10.84	9.04	9.98	9.16	6.60	5.21	5.45	8.58	6.10
1979 Average	11.98	13.28	12.03	11.41	11.73	11.17	10.57	6.22	12.78	8.06
1980 Average	21.29	22.91	20.53	19.79	21.34	19.09	16.87	10.25	23.87	16.28
1981 Average	33.38	35.69	34.69	34.14	32.30	24.79	23.23	30.15	26.80	24.56
1982 Average	30.14	31.56	31.25	30.50	29.37	21.84	19.92	27.74	24.58	23.37
1983 Average	27.81	28.92	28.80	28.12	27.19	19.66	17.69	23.59	22.61	20.54
1984 Average	27.18	28.09	28.07	27.21	26.73	19.62	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										
January	15.04	15.89	15.04	15.22	14.79	10.03	9.35	13.83	11.40	9.34
February	14.86	15.74	14.94	15.18	14.52	9.81	9.17	13.52	11.11	8.73
March	14.32	15.14	14.20	14.53	14.07	9.60	8.98	13.05	10.94	8.94
April	15.27	16.23	15.31	15.33	14.99	10.47	9.88	13.98	11.68	9.77
May	15.60	16.47	15.42	16.00	15.29	10.55	9.65	14.52	12.30	11.07
June	14.81	15.85	14.75	15.21	14.42	10.15	9.18	14.41	11.98	10.34
July	13.36	14.46	13.42	13.66	12.97	9.39	8.47	12.83	11.11	10.02
August	13.22	14.29	13.29	13.69	12.76	9.25	8.25	13.12	11.19	9.56
September	12.68	13.72	12.78	13.12	12.24	8.69	7.48	12.11	11.08	9.66
October	11.78	12.82	11.79	12.54	11.27	7.52	6.40	10.91	9.70	8.33
November	11.43	12.57	11.47	11.78	11.01	7.17	6.18	10.66	9.16	7.63
December	13.36	14.73	13.23	14.00	12.83	8.76	8.13	12.03	9.93	9.55
1988 Average	13.85	14.83	13.84	14.24	13.47	9.28	8.43	12.92	10.97	9.41
1989										
January	15.43	16.74	15.06	16.28	14.92	10.18	9.54	14.21	11.27	11.64
February	15.59	16.89	15.29	16.49	15.08	11.15	10.57	15.12	12.25	10.55
March	17.01	18.28	16.88	17.74	16.50	12.19	11.70	15.88	12.98	11.39
April	18.34	19.76	18.12	19.25	17.77	13.89	13.34	18.05	14.96	13.26
May	18.02	19.46	17.65	19.11	17.44	13.98	13.10	18.00	15.67	14.46
June	17.89	19.42	17.67	19.28	17.23	13.30	12.38	17.28	15.00	13.46
July	17.92	19.58	17.46	19.62	17.17	12.96	11.98	16.72	14.66	13.04
August	16.47	18.13	15.94	18.20	15.71	12.15	11.31	14.86	13.74	12.52
September	17.21	18.85	16.88	18.75	16.49	12.31	11.54	14.89	13.86	11.80
October	18.00	19.68	17.62	19.57	17.25	12.97	12.26	15.68	14.35	12.88
November	17.80	19.36	17.51	19.33	17.12	13.33	12.64	16.17	14.70	12.90
December	18.62	20.24	18.30	20.14	17.92	14.08	13.50	16.94	15.18	13.89
1989 Average	17.35	18.84	17.03	18.60	16.73	12.71	11.99	16.15	14.05	12.66
1990										
January	20.16	21.60	19.86	21.51	19.52	15.02	13.98	18.66	17.09	15.09
February	19.79	21.08	19.53	20.82	19.22	14.76	13.40	18.27	17.39	15.19
March	18.00	19.54	17.84	19.14	17.39	13.22	11.71	17.09	16.09	14.58
April	16.11	17.52	15.87	17.09	15.47	11.05	9.86	15.11	13.34	11.42
May	15.77	17.16	15.64	16.78	15.18	9.66	8.61	13.66	11.65	10.33
June	14.38	15.75	14.22	15.37	13.78	9.04	7.90	11.85	10.98	9.62
July	15.76	17.16	15.56	16.69	15.14	10.10	9.61	12.85	11.00	9.75
August	24.11	25.39	23.92	25.21	23.49	17.30	16.48	21.74	18.63	18.23

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
(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	14.10	13.64	12.65	13.24	14.04	12.70	13.82	12.45	13.35	13.28	13.30
1979 Average	20.65	19.35	23.71	20.29	21.80	17.63	21.20	17.37	21.43	19.25	19.91
1980 Average	36.57	32.37	-	31.11	35.82	28.53	34.58	24.78	34.24	31.61	32.25
1981 Average	39.09	35.93	-	33.13	38.53	32.48	36.08	28.86	36.69	34.73	35.11
1982 Average	34.23	35.27	30.93	28.07	35.13	33.50	33.46	23.77	31.98	33.84	33.45
1983 Average	30.06	29.93	28.25	25.19	29.78	28.03	29.84	21.48	27.96	28.38	28.45
1984 Average	28.04	29.10	26.93	26.37	29.39	27.60	28.90	24.16	27.65	27.68	27.59
1985 Average	26.84	27.12	W	25.33	28.04	22.04	27.63	23.64	26.11	24.30	25.66
1986 Average	13.62	13.19	W	11.84	14.35	11.36	13.84	10.92	13.32	11.59	12.21
1987 Average	16.79	17.40	W	16.36	18.47	15.12	18.28	15.08	17.11	15.80	16.43
1988											
January	W	16.62	-	12.79	17.04	11.41	16.23	12.37	14.96	12.17	13.26
February	W	16.16	-	12.91	15.80	12.78	W	12.31	14.59	13.16	13.73
March	W	13.65	-	11.81	15.72	12.90	14.68	12.67	13.82	13.18	13.80
April	W	14.59	-	13.65	16.10	12.77	15.20	13.44	14.70	13.37	14.23
May	W	15.63	-	13.68	16.06	W	16.10	13.54	14.91	13.61	14.44
June	W	15.26	-	12.82	15.60	12.75	15.32	13.80	14.17	13.23	14.12
July	W	14.06	-	12.17	15.14	11.27	14.43	13.18	13.57	12.23	13.40
August	W	13.58	-	12.37	14.93	10.15	14.86	12.65	13.07	11.57	12.72
September ..	W	12.84	-	11.69	13.71	9.44	W	12.38	12.33	10.32	12.15
October	W	11.47	-	10.00	13.66	W	12.69	12.93	11.51	11.36	12.32
November	W	11.48	-	10.16	13.74	W	W	12.45	11.80	12.92	12.80
December	W	W	-	12.31	15.56	W	13.59	13.46	12.78	13.51	13.85
1988 Average	W	13.81	-	12.18	15.16	12.16	14.80	12.96	13.45	12.57	13.43
1989											
January	W	14.52	-	13.98	16.11	W	W	13.10	15.08	14.91	14.77
February	W	17.14	-	14.25	17.15	W	16.33	14.00	15.83	16.35	15.98
March	W	17.05	-	14.98	18.37	W	W	16.62	17.29	17.45	17.37
April	W	17.78	-	17.44	19.81	W	W	17.77	18.73	16.85	18.34
May	W	W	-	16.97	18.60	W	W	16.78	17.97	15.98	17.28
June	W	17.78	-	16.62	17.68	15.54	W	15.42	17.12	16.01	16.49
July	W	17.61	-	16.41	17.67	W	17.66	14.34	16.74	15.66	16.02
August	W	W	-	15.22	17.25	W	17.11	15.82	16.08	15.91	16.36
September ..	W	16.37	-	15.37	18.00	W	17.22	16.02	16.62	16.50	16.68
October	W	16.35	-	16.12	18.99	W	17.78	15.45	17.37	17.06	17.20
November	W	17.28	-	16.44	19.11	18.09	18.37	15.56	17.45	17.53	17.52
December	W	W	-	17.74	19.93	W	19.57	19.32	18.50	18.85	19.30
1989 Average	W	17.01	-	15.96	18.31	16.29	17.89	16.09	17.13	16.73	17.06
1990											
January	W	19.25	-	18.03	21.22	W	21.00	16.73	19.20	18.03	18.71
February	W	19.43	-	16.68	20.41	W	W	16.01	18.36	16.64	18.11
March	W	18.98	-	16.24	18.41	W	W	15.95	16.82	14.98	16.85
April	W	17.38	-	13.30	16.79	12.37	16.13	15.57	14.77	13.24	15.10
May	W	16.19	-	12.11	16.50	12.97	15.69	14.60	14.39	12.82	14.78
June	W	15.20	-	10.68	15.58	W	W	13.11	13.92	14.63	14.58
July	W	15.06	-	12.84	17.26	W	15.10	16.66	17.68	20.05	18.15
August	W	19.98	-	20.68	26.10	23.80	21.18	24.51	22.20	24.61	24.68

^a FOB = Free on Board. See Glossary.

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

^c Includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

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Table 22. Landed Costs of Imported Crude Oil
(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	14.91	14.50	14.84	13.88	13.54	14.86	13.92	-	12.83	14.58	14.36	14.34
1979 Average	21.90	20.43	20.69	25.02	20.86	22.98	19.15	22.16	18.18	23.18	20.79	21.29
1980 Average	37.90	30.47	33.92	-	31.80	37.05	30.02	35.88	25.86	36.02	32.97	33.56
1981 Average	40.49	32.16	37.57	-	33.78	39.70	34.19	37.24	29.87	38.54	36.22	36.60
1982 Average	35.28	26.92	36.75	32.40	28.84	36.17	35.00	34.28	24.82	34.03	35.15	34.81
1983 Average	31.26	25.63	31.57	29.81	25.78	30.84	29.76	30.87	22.94	29.68	30.03	29.87
1984 Average	29.08	26.59	30.84	28.67	26.87	30.50	29.50	29.60	25.15	29.20	29.12	28.93
1985 Average	27.46	25.71	28.87	25.79	25.83	28.96	24.72	28.35	24.43	27.33	25.88	26.85
1986 Average	14.82	13.43	14.63	12.38	12.17	15.29	12.84	14.63	11.52	14.25	13.14	13.48
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												
January	W	14.58	17.99	W	13.16	17.91	13.23	17.59	13.10	16.28	14.16	14.61
February	W	14.37	17.44	-	13.30	16.59	14.00	16.70	13.05	15.91	14.23	14.59
March	W	13.66	15.13	-	12.22	16.47	14.07	15.72	13.50	15.13	14.29	14.74
April	W	14.39	16.30	-	13.97	16.88	14.12	16.11	14.18	15.77	14.70	15.27
May	W	15.12	16.94	-	14.09	17.00	14.51	16.97	14.24	16.04	15.05	15.50
June	W	14.67	16.40	-	13.21	16.59	13.91	16.29	14.32	15.20	14.31	15.00
July	W	13.31	15.11	-	12.58	15.68	13.17	15.52	13.78	14.68	13.63	14.25
August	W	13.13	14.90	-	12.77	15.55	12.44	15.72	13.28	14.07	13.12	13.69
September	W	12.89	14.05	-	12.09	14.49	11.78	14.38	12.96	13.21	12.05	12.92
October	W	11.73	12.60	-	10.42	14.32	11.93	13.33	13.58	12.66	11.99	12.74
November	W	11.58	12.82	-	10.56	14.49	12.79	14.02	13.12	12.51	12.44	12.87
December	W	12.57	14.05	-	12.81	16.31	14.62	15.12	14.34	13.97	14.44	14.67
1988 Average	W	13.50	15.15	W	12.58	15.88	13.37	15.82	13.66	14.45	13.60	14.18
1989												
January	W	14.47	16.30	-	14.48	17.54	15.91	17.17	14.05	15.88	15.74	15.99
February	W	14.97	17.86	-	14.55	18.19	16.60	17.82	14.62	17.22	16.52	16.74
March	W	15.88	18.67	-	15.37	19.32	17.00	17.90	17.30	18.33	17.33	17.80
April	22.13	17.42	19.11	-	17.78	20.53	18.89	20.00	18.45	19.40	18.91	19.24
May	W	17.81	19.37	-	17.37	19.64	17.43	20.04	17.32	18.79	17.58	18.15
June	W	17.69	18.92	-	16.99	18.90	16.82	18.74	16.13	17.96	17.00	17.45
July	W	17.89	18.92	-	16.84	18.66	16.72	18.81	15.13	17.45	16.73	17.12
August	W	16.62	W	-	15.62	18.01	16.42	18.20	16.50	16.89	16.45	16.86
September	W	17.00	17.82	-	15.76	18.72	16.84	18.11	16.67	17.54	16.97	17.29
October	W	17.43	17.70	-	16.52	19.82	17.90	18.71	16.13	18.25	17.82	17.97
November	18.55	17.08	18.16	-	16.85	20.14	18.08	19.31	16.38	18.74	18.16	18.27
December	W	17.48	19.20	-	18.01	20.98	19.27	20.32	20.16	19.88	19.55	19.96
1989 Average	19.13	16.81	18.35	-	16.35	19.19	17.33	18.74	16.78	18.08	17.41	17.78
1990												
January	W	18.52	20.86	-	18.48	22.36	19.18	21.56	17.86	20.50	19.36	19.79
February	W	18.52	21.21	-	17.13	21.46	18.32	W	16.69	19.59	18.28	18.99
March	W	17.30	20.65	-	16.64	19.69	16.67	20.71	16.64	18.28	16.69	17.72
April	W	15.65	18.98	-	13.83	18.06	14.58	17.92	16.30	16.19	14.74	15.86
May	W	15.52	17.83	-	12.78	17.53	14.21	17.12	15.47	15.38	14.13	15.21
June	W	14.00	16.43	-	11.23	16.63	16.04	17.01	14.00	15.25	15.45	15.47
July	17.67	15.03	15.96	-	13.37	18.16	18.13	16.68	17.40	18.32	18.81	18.36
August	W	21.26	20.33	-	20.99	27.20	25.61	23.80	25.23	22.35	24.69	25.11

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

^b Includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

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

Year Month	20.0 ^o or Less	20.1 ^o to 25.0 ^o	25.1 ^o to 30.0 ^o	30.1 ^o to 35.0 ^o	35.1 ^o to 40.0 ^o	40.1 ^o to 45.0 ^o	45.1 ^o or Greater
1978 Average	11.98	11.74	12.51	13.06	13.62	14.00	14.01
1979 Average	14.43	18.54	19.91	19.54	21.24	21.85	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	10.86	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							
January	12.00	12.05	11.62	14.82	15.48	16.93	15.59
February	11.57	12.13	12.68	14.54	15.52	16.23	16.38
March	11.40	11.50	12.72	14.60	14.78	15.51	15.96
April	12.35	12.83	13.23	14.84	15.33	16.20	16.22
May	12.75	13.25	13.95	14.74	15.63	16.65	16.54
June	12.78	12.55	13.04	14.41	14.90	15.21	W
July	12.22	11.68	12.25	13.57	14.36	14.98	15.17
August	12.49	11.59	11.59	13.10	14.02	15.23	13.73
September	11.58	11.16	11.14	12.83	12.76	13.51	14.14
October	10.20	10.03	11.79	12.13	12.64	12.47	13.65
November	9.42	9.91	12.42	12.77	12.91	12.82	W
December	11.62	11.04	13.39	13.99	14.55	14.09	13.90
1988 Average	11.92	11.65	12.48	13.82	14.38	14.89	15.25
1989							
January	11.41	12.47	14.38	15.63	16.07	16.37	16.03
February	11.54	12.72	16.05	16.38	16.99	16.87	W
March	13.21	14.24	17.47	17.91	17.92	18.38	18.55
April	14.80	16.44	17.69	19.67	19.59	19.32	19.34
May	14.39	15.94	16.95	18.47	18.64	18.66	18.76
June	14.79	15.38	16.74	17.02	17.82	18.87	17.78
July	14.31	15.09	16.15	16.75	17.60	18.55	17.18
August	13.56	14.49	16.40	16.36	17.05	17.18	18.06
September	14.18	14.69	16.55	16.81	17.57	17.46	18.29
October	14.31	15.02	17.39	17.46	18.44	18.80	17.12
November	14.32	14.90	17.49	17.86	18.78	18.82	17.80
December	15.81	16.96	18.61	19.35	19.63	19.37	20.76
1989 Average	14.00	14.89	16.95	17.51	18.09	18.23	18.05
1990							
January	14.93	16.29	19.25	18.82	20.67	19.95	19.86
February	14.98	15.29	17.88	18.12	19.88	19.95	19.05
March	12.87	14.64	16.80	16.97	18.47	18.23	19.58
April	10.78	13.13	15.17	14.74	16.20	17.82	18.32
May	10.24	12.24	14.79	14.81	16.01	17.04	17.60
June	9.11	10.55	14.91	15.16	15.07	16.08	14.81
July	11.23	12.44	17.89	18.13	17.51	18.38	16.52
August	18.70	20.23	24.96	24.33	23.39	26.51	25.05

^a FOB Free on Board. See Glossary.

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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	13.75	14.10	14.89	14.87	15.15
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	39.07
1982 Average	24.17	28.46	32.62	34.76	35.43	36.78	35.81
1983 Average	23.17	24.95	28.62	30.25	30.96	31.28	31.27
1984 Average	25.08	25.97	28.38	29.58	30.16	30.16	29.05
1985 Average	24.33	24.65	26.17	27.10	28.29	28.39	27.73
1986 Average	11.30	11.49	13.28	13.59	14.99	14.80	15.37
1987 Average	16.14	15.87	17.21	18.16	18.72	18.89	18.57
1988							
January	12.84	12.62	13.91	15.66	16.83	17.45	17.13
February	12.47	12.61	14.06	14.98	16.42	17.30	17.32
March	12.30	11.92	14.09	15.16	15.74	16.41	17.11
April	13.06	13.19	14.57	15.48	16.18	16.37	17.38
May	13.58	13.75	15.21	15.64	16.60	17.44	17.48
June	13.44	13.05	14.21	15.12	15.82	16.45	17.76
July	12.97	12.10	13.47	14.43	15.17	15.86	15.81
August	13.26	12.05	12.92	13.91	14.82	15.90	15.03
September	12.42	11.60	12.24	13.32	13.73	14.36	15.07
October	11.05	10.41	12.22	12.75	13.24	13.55	14.67
November	10.78	10.27	12.41	12.84	13.28	14.11	13.76
December	12.51	11.68	13.83	14.70	14.89	15.38	15.13
1988 Average	12.75	12.11	13.54	14.35	15.21	15.74	16.24
1989							
January	12.54	13.00	15.41	16.00	16.83	16.62	16.97
February	12.68	13.20	16.68	16.83	17.58	18.05	17.42
March	14.41	14.72	17.58	17.97	18.39	19.67	19.25
April	15.69	16.72	18.83	19.49	19.94	19.88	19.99
May	15.34	16.49	17.90	18.44	19.57	19.52	19.82
June	15.58	15.92	17.75	17.54	18.58	19.67	19.15
July	15.28	15.78	17.29	17.33	18.40	19.17	18.83
August	14.86	15.01	16.68	16.82	17.89	17.96	19.24
September	14.98	15.21	17.01	17.35	18.32	18.42	19.21
October	15.06	15.61	17.81	18.02	19.21	19.86	19.03
November	15.04	15.48	18.34	18.30	19.42	19.78	19.11
December	16.62	17.21	19.15	19.95	20.35	21.07	21.38
1989 Average	14.90	15.42	17.58	17.87	18.74	19.05	19.13
1990							
January	16.25	16.82	20.07	19.87	21.23	21.39	21.11
February	15.50	16.19	19.16	18.80	20.68	21.33	21.00
March	13.78	15.20	18.22	17.58	19.59	19.43	21.01
April	11.72	13.59	16.01	15.74	17.26	18.28	19.58
May	11.19	12.81	15.14	15.29	16.68	18.40	19.20
June	10.01	11.33	15.06	15.77	16.30	16.92	16.48
July	12.09	13.09	17.78	18.00	18.40	19.06	18.73
August	19.43	20.88	25.03	23.98	23.61	27.26	24.98

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

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
1978 Average	1.26	3.57	7.93	38.79	31.66	13.40	3.31
1979 Average	1.65	3.96	8.45	38.98	30.84	13.36	2.98
1980 Average	1.70	6.10	9.25	38.43	27.02	13.58	3.08
1981 Average	2.19	8.80	9.46	37.37	26.80	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	7.83	20.46	11.19	27.14	24.93	4.02	4.65
1986 Average	5.51	19.36	14.12	27.49	25.74	3.65	4.11
1987 Average	5.54	19.68	16.88	26.91	24.79	3.87	3.85
1988							
January	3.12	22.94	18.06	27.83	20.77	3.86	3.41
February	3.90	18.33	19.70	31.52	18.19	4.47	3.88
March	4.47	18.01	20.24	24.38	28.20	2.76	1.93
April	4.79	15.63	16.64	24.29	32.52	3.20	2.92
May	5.46	20.17	12.13	26.20	26.55	3.68	5.82
June	4.18	19.29	11.85	27.53	30.55	4.69	1.90
July	3.82	18.61	15.54	31.92	21.97	4.51	3.63
August	3.91	20.54	16.53	30.94	21.33	3.28	3.47
September	2.92	14.93	18.52	31.47	24.72	4.77	2.67
October	2.03	18.25	13.68	33.92	25.88	3.90	2.34
November	1.67	16.31	16.35	38.72	19.95	4.81	2.20
December	2.35	17.10	13.69	38.13	22.03	4.36	2.33
1988 Average	3.52	18.27	15.99	30.72	24.45	4.04	3.02
1989							
January	2.68	13.62	14.92	34.85	26.62	4.61	2.70
February	2.20	15.82	17.00	31.64	26.14	4.35	2.85
March	3.57	15.55	15.99	36.40	21.42	4.77	2.31
April	3.13	15.55	15.93	34.68	24.57	2.86	3.27
May	1.88	14.83	15.66	38.90	21.56	4.21	2.86
June	3.22	14.75	17.62	36.31	22.92	3.13	2.05
July	2.28	14.56	13.79	40.53	24.74	2.48	1.62
August	1.83	14.95	18.18	35.97	21.88	4.91	2.28
September	2.58	12.60	18.21	36.22	24.80	2.82	2.77
October	3.19	13.69	19.47	34.27	22.52	3.12	3.75
November	1.91	14.33	16.81	37.75	23.92	1.86	3.42
December	2.23	13.03	18.07	34.64	26.28	3.80	1.94
1989 Average	2.56	14.41	16.85	36.09	23.87	3.56	2.65
1990							
January	2.67	13.01	15.75	38.54	22.13	5.20	2.70
February	3.31	15.31	17.32	33.33	23.27	4.04	3.41
March	3.39	12.02	18.31	33.85	26.05	4.01	2.36
April	3.22	12.32	18.69	33.22	27.38	2.22	2.95
May	3.50	12.52	16.19	36.74	25.47	3.48	2.09
June	3.39	16.08	15.85	32.71	27.01	2.04	2.92
July	3.32	14.24	15.58	39.00	22.99	2.36	2.52
August	4.17	15.82	21.49	33.33	18.17	3.50	3.42

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

Year Quarter Month	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 Average	W	13.32	-	W	12.87	13.24	-
1979 Average	W	20.35	-	W	27.59	20.29	21.50
1980 Average	35.81	33.24	W	35.92	34.61	32.70	28.73
1981 Average	38.38	35.55	W	37.51	32.06	38.23	30.82
1982 Average	32.58	31.86	W	33.73	32.38	32.50	25.29
1983 Average	29.86	28.14	24.54	29.03	28.22	29.41	23.89
1984 Average	27.77	27.58	24.70	28.58	28.16	29.00	25.35
1985 Average	26.57	26.30	23.79	26.88	26.12	27.25	24.23
1986 Average	13.25	13.39	12.77	13.84	13.32	13.88	10.93
1987 Average	16.86	17.31	15.12	W	18.53	17.94	15.72
1988							
January	W	W	12.29	W	W	14.85	11.83
February	W	W	12.15	W	W	14.85	11.99
March	W	13.39	11.33	-	-	14.31	10.85
1st Quarter Average	W	14.14	11.92	W	W	14.69	11.50
April	W	W	12.17	W	W	15.83	12.72
May	W	W	13.13	-	W	15.81	13.08
June	W	W	12.72	-	W	W	12.10
2nd Quarter Average	W	15.80	12.66	W	W	15.84	12.63
July	W	W	11.27	W	W	13.81	11.25
August	W	-	11.23	W	W	13.67	11.62
September	W	-	W	W	W	12.94	10.92
3rd Quarter Average	W	W	11.16	W	W	13.47	11.30
October	W	-	W	W	11.60	11.75	8.83
November	W	-	W	-	W	11.54	9.14
December	W	W	W	-	W	13.89	10.48
4th Quarter Average	W	W	W	W	11.54	12.40	9.43
1988 Average	W	14.52	11.28	14.28	12.96	14.23	11.26
1989							
January	W	-	W	-	W	W	12.42
February	W	-	W	-	W	W	12.50
March	W	W	W	-	-	17.17	13.39
1st Quarter Average	W	W	W	-	W	16.30	12.80
April	W	W	W	W	W	W	15.91
May	W	W	W	W	-	W	15.81
June	W	W	W	W	W	18.24	15.38
2nd Quarter Average	W	W	W	18.01	W	18.79	15.71
July	W	W	W	W	W	W	15.37
August	W	W	W	W	W	W	14.34
September	W	W	W	W	15.55	W	14.44
3rd Quarter Average	W	W	W	18.58	16.09	W	14.70
October	W	W	W	W	W	W	15.10
November	W	W	W	-	W	W	15.08
December	W	-	W	W	W	W	16.54
4th Quarter Average	W	17.85	W	W	16.63	W	15.49
1989 Average	W	17.15	W	17.46	16.32	W	14.71
1990							
January	W	W	W	-	W	W	16.32
February	W	-	W	W	W	19.18	14.92
March	W	-	W	-	-	18.15	14.05
1st Quarter Average	W	W	W	W	W	19.10	15.15
April	W	W	W	-	-	15.05	11.95
May	W	W	W	-	-	W	11.18
June	W	-	12.02	W	-	13.59	9.55
2nd Quarter Average	W	W	12.14	W	-	14.33	10.77
July	W	-	14.87	-	W	15.50	11.42
August	W	-	21.62	-	W	W	19.51

See footnotes at end of table.

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

Year Quarter Month	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 Average	14.17	14.11	13.91	12.74	12.07	-	W
1979 Average	21.89	28.88	21.38	17.33	15.83	21.92	W
1980 Average	35.57	37.71	35.88	27.79	26.14	33.13	18.58
1981 Average	38.84	38.19	37.72	32.82	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	28.30	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	18.23	11.79	11.00	14.07	9.44
1987 Average	18.32	18.45	18.25	14.48	14.85	18.37	15.75
1988							
January	W	18.70	W	W	11.00	-	-
February	W	15.70	W	W	12.31	W	W
March	W	16.02	W	W	12.42	-	W
1st Quarter Average	16.44	16.04	15.93	13.08	11.98	W	W
April	W	16.11	W	W	W	W	12.15
May	16.82	16.29	-	W	W	W	W
June	W	15.90	W	W	W	-	W
2nd Quarter Average	16.50	16.10	15.75	W	W	W	12.88
July	W	16.12	15.02	-	W	-	12.89
August	W	14.64	14.91	W	W	-	12.89
September	W	14.16	W	W	W	W	W
3rd Quarter Average	14.33	14.94	14.88	W	W	W	12.88
October	W	13.18	12.53	-	W	W	W
November	W	14.27	W	-	W	W	W
December	W	15.22	W	-	W	W	W
4th Quarter Average	W	14.34	12.58	-	W	13.18	W
1988 Average	15.39	15.33	14.58	12.98	11.68	14.40	12.29
1989							
January	W	16.19	15.80	-	W	-	-
February	17.05	17.79	W	-	W	W	W
March	18.77	18.71	W	-	W	-	W
1st Quarter Average	17.79	17.68	16.88	-	W	W	W
April	W	19.87	W	-	W	W	W
May	18.09	18.36	W	W	W	-	-
June	W	17.82	-	W	W	W	13.38
2nd Quarter Average	18.72	18.74	19.43	W	W	W	13.46
July	W	W	-	-	W	W	12.83
August	17.82	17.21	W	-	W	W	W
September	-	18.56	W	-	W	W	11.56
3rd Quarter Average	17.94	17.70	W	-	W	17.77	12.34
October	19.06	W	W	W	W	W	11.76
November	W	19.11	W	W	W	W	W
December	W	20.41	-	W	W	W	W
4th Quarter Average	19.13	19.59	19.06	W	W	19.72	11.88
1989 Average	18.42	18.58	17.80	18.28	W	18.38	12.27
1990							
January	20.79	21.61	-	-	W	W	W
February	20.60	20.52	-	-	W	-	W
March	18.89	18.52	-	W	W	W	W
1st Quarter Average	20.21	19.95	-	W	W	W	W
April	17.81	16.89	W	-	W	-	W
May	17.86	16.55	-	W	W	W	8.88
June	16.01	15.81	-	W	W	-	7.84
2nd Quarter Average	17.00	16.35	W	W	W	W	8.51
July	W	17.38	W	-	W	15.15	8.92
August	25.39	W	W	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 1990 reflect the month of reporting; prices since then reflect the month of loading.

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							
January	W	W	13.16	W	15.63	15.27	12.18
February	W	W	13.40	W	W	15.28	12.36
March	W	14.59	12.22	-	14.56	14.75	11.04
1st Quarter Average	W	15.28	12.90	16.98	15.16	15.12	11.87
April	W	W	13.08	W	W	16.16	13.04
May	W	W	14.02	W	W	16.29	13.47
June	W	W	13.59	W	14.74	W	12.49
2nd Quarter Average	W	16.83	13.55	15.08	15.73	16.05	13.01
July	W	14.88	12.14	W	14.34	14.30	11.65
August	W	W	12.00	15.05	W	14.15	12.02
September	W	-	W	W	13.10	13.43	11.30
3rd Quarter Average	W	14.81	12.00	14.79	13.87	13.96	11.70
October	W	-	W	W	12.35	12.37	9.25
November	W	W	W	W	11.55	12.02	9.52
December	W	W	W	-	12.92	14.43	10.99
4th Quarter Average	W	W	W	W	12.19	12.92	9.88
1988 Average	W	14.96	12.21	15.21	13.77	14.69	11.65
1989							
January	W	W	12.80	-	15.54	W	12.86
February	W	-	13.28	-	16.92	W	12.89
March	W	18.57	14.07	W	17.04	17.63	13.86
1st Quarter Average	W	17.45	13.39	W	16.33	16.80	13.24
April	W	18.75	W	W	19.46	W	16.26
May	W	18.80	W	W	18.73	W	16.27
June	W	W	W	W	17.99	18.75	15.78
2nd Quarter Average	W	18.59	W	19.30	18.77	19.29	16.11
July	W	W	W	W	17.62	W	15.83
August	W	16.95	W	W	16.90	W	14.76
September	W	W	W	17.76	16.98	W	14.85
3rd Quarter Average	W	17.17	W	17.77	17.18	W	15.13
October	W	19.20	W	W	17.74	W	15.52
November	18.56	W	W	-	18.13	W	15.49
December	W	W	W	W	W	W	16.90
4th Quarter Average	W	19.49	15.60	19.57	18.26	W	15.93
1989 Average	W	18.13	15.36	18.71	17.69	W	15.14
1990							
January	W	W	W	-	W	W	16.82
February	W	W	W	W	15.99	19.88	15.53
March	W	W	15.76	-	W	18.77	14.56
1st Quarter Average	W	21.70	16.28	W	19.86	19.74	15.68
April	W	W	13.78	W	W	15.67	12.41
May	W	W	13.30	-	14.36	16.09	11.72
June	W	W	13.19	W	W	14.23	10.13
2nd Quarter Average	W	17.44	13.38	W	14.30	15.36	11.31
July	W	-	15.96	-	18.61	16.24	11.92
August	W	W	22.80	W	27.86	W	19.94

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							
January	W	17.50	W	14.24	12.74	W	-
February	W	16.33	W	14.21	13.60	16.85	W
March	W	16.79	W	14.08	13.63	15.81	W
1st Quarter Average	17.41	16.78	16.93	14.19	13.33	16.58	W
April	W	16.93	W	14.91	13.46	16.04	13.14
May	17.22	17.35	-	15.22	14.19	17.15	W
June	W	16.98	W	14.23	13.30	W	W
2nd Quarter Average	16.92	17.06	16.69	14.78	13.51	16.47	13.83
July	16.05	16.32	15.90	14.11	12.76	W	13.74
August	16.25	15.49	15.72	14.41	11.90	-	13.75
September	W	14.93	W	12.94	10.94	14.78	W
3rd Quarter Average	15.46	15.56	15.73	13.73	11.82	15.27	13.55
October	13.79	14.23	13.43	12.33	11.48	13.26	W
November	W	14.85	13.56	12.49	12.62	14.15	W
December	15.75	16.26	W	14.99	14.04	15.11	W
4th Quarter Average	14.89	15.06	13.51	13.65	12.61	13.97	W
1988 Average	16.06	16.02	15.45	14.04	12.80	15.84	13.23
1989							
January	18.49	18.12	16.75	16.40	15.21	17.36	-
February	18.02	18.63	17.90	16.93	W	17.95	W
March	19.63	19.48	18.61	18.20	15.76	17.94	W
1st Quarter Average	18.75	18.72	17.83	17.08	W	17.79	W
April	20.43	20.91	19.68	19.64	17.13	20.23	W
May	19.25	19.51	20.07	17.97	16.78	W	-
June	W	19.29	-	17.51	16.06	W	14.44
2nd Quarter Average	19.53	19.89	19.83	18.33	16.74	20.05	14.47
July	18.79	18.62	-	17.27	15.90	19.03	13.52
August	18.43	18.16	W	17.12	15.66	18.61	W
September	-	19.07	17.99	17.64	15.77	18.20	12.54
3rd Quarter Average	18.54	18.63	17.72	17.32	15.74	18.59	13.17
October	19.87	19.89	19.50	18.32	17.37	18.87	12.67
November	W	20.08	W	18.91	W	19.77	W
December	21.90	20.92	W	20.39	W	W	W
4th Quarter Average	20.75	20.41	19.62	19.02	W	19.46	12.53
1989 Average	19.31	19.39	18.67	17.95	16.53	17.83	13.16
1990							
January	21.71	22.80	W	19.73	W	21.67	W
February	21.75	21.41	-	18.71	16.46	W	W
March	19.87	19.58	W	16.76	W	21.03	W
1st Quarter Average	21.22	21.08	19.62	18.67	16.19	21.34	W
April	19.32	18.16	W	14.86	13.22	18.51	W
May	18.73	17.35	-	14.72	13.07	18.30	10.03
June	16.96	16.85	-	15.48	14.55	17.37	8.87
2nd Quarter Average	18.24	17.39	W	15.00	13.51	18.04	9.60
July	W	18.32	W	18.79	W	17.45	10.00
August	26.67	W	W	27.37	25.35	25.68	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 loading.

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
(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										
August 1990	96.5	86.9	92.1	83.5	98.1	88.5	106.5	95.8	95.3	86.4
July 1990	81.7	72.1	77.6	67.0	84.5	73.6	93.6	82.4	81.8	71.0
August 1989	76.6	61.6	74.0	59.5	79.9	67.1	88.8	73.5	77.8	63.3
PAD District I Average										
August 1990	98.0	89.7	89.7	84.0	98.0	88.5	106.3	96.5	94.5	87.9
July 1990	85.3	73.3	76.9	67.8	85.9	74.9	94.8	83.6	82.9	73.4
August 1989	76.1	59.8	74.6	60.3	82.0	68.5	91.3	75.1	80.1	65.8
Subdistrict IA Average										
August 1990	104.0	90.8	95.4	84.9	103.4	90.7	112.1	99.9	99.9	89.5
July 1990	86.3	72.7	80.8	69.6	89.7	77.9	99.1	87.8	86.7	75.3
August 1989	82.0	59.6	81.9	62.5	88.5	71.0	98.6	77.9	87.4	68.2
Connecticut										
August 1990	109.7	W	94.3	84.0	102.7	90.2	111.3	99.2	100.0	88.9
July 1990	88.9	W	79.9	70.8	89.7	77.7	98.6	87.6	86.8	76.8
August 1989	83.8	59.9	87.7	63.0	95.1	72.8	105.6	75.8	93.9	68.8
Maine										
August 1990	-	W	98.4	83.8	105.3	87.9	114.2	96.9	101.9	86.8
July 1990	-	W	86.6	69.8	94.1	74.5	102.1	83.7	90.8	73.4
August 1989	80.2	57.6	83.4	60.7	87.9	66.2	98.0	72.6	86.9	64.0
Massachusetts										
August 1990	94.7	W	93.7	85.2	102.7	91.5	111.4	100.7	98.5	90.0
July 1990	78.8	W	77.1	68.2	87.1	79.4	97.7	88.8	83.9	74.0
August 1989	80.1	57.5	78.4	62.1	86.9	71.9	95.9	80.4	84.9	68.6
New Hampshire										
August 1990	W	89.0	96.0	86.7	103.8	91.4	113.1	101.2	100.5	90.7
July 1990	W	72.7	82.3	73.3	90.7	78.3	100.5	88.4	88.0	78.4
August 1989	W	64.2	79.3	66.9	86.2	71.3	96.5	80.7	84.7	71.9
Rhode Island										
August 1990	102.3	W	93.4	84.8	102.2	89.8	108.9	98.9	98.0	89.5
July 1990	82.7	W	79.3	71.0	90.1	76.5	97.7	86.2	85.5	76.9
August 1989	W	59.5	78.1	60.9	85.9	68.4	93.4	76.9	83.7	66.9
Vermont										
August 1990	W	95.1	98.9	90.5	104.4	96.7	114.1	104.8	102.6	95.1
July 1990	W	74.5	85.4	76.3	91.7	81.5	101.8	91.1	90.2	81.1
August 1989	89.1	70.4	85.8	70.4	89.1	73.9	100.6	81.7	90.2	74.0
Subdistrict IB Average										
August 1990	101.0	89.8	89.8	84.0	98.2	88.6	106.2	96.7	94.7	88.3
July 1990	89.8	74.3	77.5	68.7	87.1	76.6	95.2	85.5	83.6	74.8
August 1989	81.0	63.4	75.1	61.6	82.8	70.0	92.9	77.5	80.9	67.8
Delaware										
August 1990	-	-	89.0	80.5	98.0	85.2	110.4	93.3	95.2	84.4
July 1990	-	-	77.4	69.0	86.4	73.8	97.9	82.0	84.5	73.5
August 1989	80.1	67.4	71.5	62.8	80.4	68.8	90.1	76.1	77.9	67.6
District of Columbia										
August 1990	-	NA	82.4	82.3	86.5	87.5	101.8	96.4	88.4	90.1
July 1990	-	-	71.6	75.5	75.3	80.9	87.3	89.9	77.5	83.8
August 1989	73.3	67.3	62.5	71.4	62.7	77.1	77.4	85.4	68.9	79.6
Maryland										
August 1990	W	NA	90.0	82.5	96.4	87.3	106.2	95.4	95.0	87.3
July 1990	77.5	-	78.5	71.8	86.1	77.6	95.2	86.2	84.6	77.7
August 1989	78.9	59.9	74.0	66.2	82.3	74.1	88.4	80.8	79.3	72.3
New Jersey										
August 1990	W	-	87.4	83.6	98.4	88.8	105.0	95.9	94.6	87.6
July 1990	W	W	77.8	66.1	89.4	77.9	95.4	84.4	85.7	71.9
August 1989	83.2	58.3	76.9	58.2	90.3	71.4	97.4	74.3	85.4	64.7
New York										
August 1990	NA	92.8	92.1	85.5	100.8	90.4	107.6	98.2	96.2	90.2
July 1990	90.4	76.2	79.6	72.2	89.3	79.5	96.6	88.8	84.8	78.8
August 1989	80.8	69.6	77.1	65.9	83.5	74.9	93.4	83.7	81.9	73.0
Pennsylvania										
August 1990	102.0	87.9	88.2	84.0	97.2	88.5	105.3	96.7	93.2	88.0
July 1990	85.6	70.6	75.0	68.0	85.4	73.8	93.6	82.3	81.3	73.1
August 1989	81.8	61.4	72.6	59.2	80.6	64.0	91.1	72.0	78.6	63.7
Subdistrict IC Average										
August 1990	93.4	89.0	88.1	83.7	96.5	88.0	105.0	95.1	93.0	87.0
July 1990	79.5	71.0	75.4	66.3	84.4	73.0	93.6	80.1	81.6	71.2
August 1989	74.8	59.1	73.1	58.2	80.2	66.2	89.4	71.5	78.4	63.0

See footnotes at end of table.

Table 28. Refiner/Reseller Motor Gasoline Prices by Grade (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
Florida										
August 1990	93.5	W	87.6	82.1	96.1	88.6	102.7	94.0	92.7	86.2
July 1990	79.0	W	76.5	66.2	84.8	73.5	92.9	81.9	82.7	72.4
August 1989	77.1	59.9	73.6	59.4	81.8	69.2	90.0	75.2	80.0	65.9
Georgia										
August 1990	NA	W	86.6	84.7	94.9	88.8	103.0	95.6	91.2	87.9
July 1990	83.6	W	73.1	65.8	81.8	71.6	90.7	78.5	78.9	70.1
August 1989	74.5	58.8	73.2	56.5	79.5	62.7	87.7	68.1	77.7	60.5
North Carolina										
August 1990	86.5	88.1	87.8	84.2	96.4	88.5	105.9	95.4	92.5	87.1
July 1990	74.2	72.2	74.7	65.6	84.0	73.7	93.5	78.8	80.7	70.5
August 1989	72.5	59.6	70.5	57.2	76.7	62.9	87.4	68.0	75.0	60.8
South Carolina										
August 1990	NA	W	89.7	83.6	99.0	88.6	109.8	95.7	94.6	86.7
July 1990	80.0	W	75.3	66.3	85.4	71.6	97.0	79.2	81.7	70.2
August 1989	74.2	57.7	71.9	56.9	72.2	63.2	88.6	68.1	75.6	60.3
Virginia										
August 1990	92.9	91.3	88.3	82.9	96.1	87.5	106.2	95.0	93.7	86.8
July 1990	80.4	70.7	76.2	67.0	84.8	73.3	94.7	80.6	82.7	72.1
August 1989	73.8	58.0	74.3	59.2	83.0	67.7	90.5	72.6	79.9	64.2
West Virginia										
August 1990	91.9	W	93.5	85.9	101.9	89.8	110.9	98.0	97.7	88.9
July 1990	79.1	W	80.0	69.3	89.6	75.9	98.9	81.4	85.5	73.3
August 1989	76.1	62.4	77.4	63.0	85.3	68.7	94.7	75.8	82.4	67.4
PAD District II Average										
August 1990	100.3	88.5	93.3	85.2	99.6	89.8	106.6	95.8	95.8	87.0
July 1990	81.3	65.7	75.4	64.4	82.8	72.1	90.2	77.1	78.7	66.8
August 1989	78.1	59.5	72.2	58.4	77.7	65.4	85.6	70.6	75.3	60.7
Illinois										
August 1990	103.6	88.0	92.0	84.8	98.3	89.2	105.1	95.1	94.7	86.8
July 1990	84.5	66.8	75.0	64.4	83.0	74.9	90.4	80.1	78.8	67.8
August 1989	74.9	58.0	72.0	58.3	80.8	68.5	86.5	73.2	75.7	61.7
Indiana										
August 1990	103.7	90.5	92.7	83.4	103.1	89.8	108.6	96.8	96.9	85.8
July 1990	83.6	67.1	74.3	64.1	82.8	70.9	88.9	77.4	78.6	67.1
August 1989	74.6	57.6	65.1	56.1	68.9	62.5	78.5	69.2	68.6	59.1
Iowa										
August 1990	97.2	88.6	94.5	87.3	97.4	90.5	104.8	95.3	95.6	88.1
July 1990	79.9	66.0	77.2	64.6	81.0	72.2	87.8	74.4	78.6	65.8
August 1989	79.6	58.4	78.1	58.2	82.9	68.4	88.2	70.2	79.0	59.2
Kansas										
August 1990	99.4	86.3	96.8	83.7	102.7	83.9	105.4	90.5	97.8	84.5
July 1990	76.5	62.4	74.2	61.2	82.9	70.1	86.5	70.2	75.8	62.2
August 1989	74.6	56.3	71.9	56.9	77.0	65.7	82.0	65.1	73.6	57.4
Kentucky										
August 1990	104.0	96.0	94.4	87.3	100.3	90.4	109.7	97.8	97.8	89.6
July 1990	83.2	74.9	77.7	67.5	84.4	72.0	94.2	79.8	81.9	70.8
August 1989	75.0	64.2	72.0	59.5	75.3	63.1	86.9	71.4	75.6	62.7
Michigan										
August 1990	103.9	90.2	92.1	86.1	98.6	90.6	105.7	97.9	94.7	88.1
July 1990	84.3	70.0	74.8	66.3	81.8	73.0	89.3	79.8	78.1	69.3
August 1989	81.0	64.2	72.3	60.6	78.5	67.5	84.7	73.1	75.3	63.5
Minnesota										
August 1990	98.3	89.4	97.1	88.8	100.9	91.8	105.5	97.2	98.1	89.6
July 1990	84.8	66.9	82.5	65.9	89.2	73.8	93.1	76.0	84.2	67.3
August 1989	84.9	62.3	83.6	62.0	NA	76.9	95.5	72.3	85.4	63.3
Missouri										
August 1990	99.9	87.0	91.9	85.2	98.9	89.3	104.2	94.0	94.5	86.7
July 1990	78.2	63.6	73.7	63.4	83.7	71.1	88.9	73.9	77.4	65.7
August 1989	75.7	58.8	70.5	57.0	81.8	67.2	85.5	68.3	74.1	59.4
Nebraska										
August 1990	99.4	87.3	98.8	86.6	W	W	103.0	94.0	99.4	87.1
July 1990	79.7	64.5	78.3	63.8	W	W	86.6	72.9	79.4	64.4
August 1989	79.0	58.3	79.3	57.8	W	W	89.2	69.7	80.0	58.5
North Dakota										
August 1990	104.7	89.6	102.2	87.3	104.1	W	110.5	92.5	103.2	88.0
July 1990	86.7	66.8	84.9	65.7	89.9	W	94.3	74.3	85.9	66.5
August 1989	88.2	65.3	84.7	64.6	95.9	W	96.1	70.6	86.7	65.3

See footnotes at end of table.

Table 28. Refiner/Reseller Motor Gasoline Prices by Grade (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
Ohio										
August 1990	101.5	91.7	91.4	85.1	99.9	91.0	109.3	97.9	94.8	87.4
July 1990	81.7	72.4	74.0	65.3	82.9	71.9	92.7	78.8	78.4	68.2
August 1989	79.2	59.7	70.0	58.9	78.1	65.2	87.6	72.8	74.5	62.2
Oklahoma										
August 1990	97.8	86.8	94.3	80.7	98.5	99.9	102.9	91.9	95.8	82.5
July 1990	74.1	63.9	71.0	60.8	77.3	76.2	81.3	69.4	73.1	62.1
August 1989	71.8	58.3	70.0	56.5	71.6	57.6	77.7	63.9	71.4	57.4
South Dakota										
August 1990	99.5	88.7	101.0	87.0	-	W	110.8	95.9	101.5	87.8
July 1990	84.8	67.6	86.1	65.9	-	W	95.9	77.7	86.6	67.1
August 1989	85.5	62.3	86.5	61.4	-	W	98.9	74.8	86.6	62.3
Tennessee										
August 1990	93.5	82.8	87.9	84.6	96.6	88.7	105.6	95.8	92.3	87.4
July 1990	75.7	68.5	73.4	65.1	82.9	70.8	93.1	78.2	79.1	69.0
August 1989	70.8	56.6	70.4	55.2	78.2	61.3	88.1	67.0	75.4	58.7
Wisconsin										
August 1990	103.9	92.3	94.3	84.7	100.2	88.4	107.9	96.5	96.7	86.6
July 1990	84.4	67.5	75.1	63.4	81.3	69.7	89.0	75.6	78.0	65.7
August 1989	79.0	60.0	71.9	58.6	79.6	67.3	84.0	71.0	74.9	60.9
PAD District III Average										
August 1990	96.8	87.8	90.8	79.2	97.0	87.5	105.0	90.7	94.4	81.8
July 1990	81.9	70.0	77.7	62.7	84.5	70.9	93.4	76.4	82.1	65.8
August 1989	74.4	60.6	72.9	55.8	78.4	63.1	85.9	66.4	76.5	58.6
Alabama										
August 1990	W	W	94.2	85.0	102.3	89.6	113.2	96.4	99.3	87.8
July 1990	W	79.1	79.3	66.0	87.5	73.1	98.1	79.5	85.0	70.0
August 1989	79.3	59.9	77.6	58.1	78.8	64.5	90.2	69.3	80.6	61.3
Arkansas										
August 1990	100.6	86.1	96.7	85.2	103.7	89.1	109.9	94.2	99.4	87.0
July 1990	79.0	63.5	76.4	63.8	81.7	70.1	92.2	75.0	80.0	66.7
August 1989	71.2	59.0	70.6	57.0	76.3	59.2	82.1	67.7	73.0	59.5
Louisiana										
August 1990	95.0	83.9	88.6	79.5	94.9	87.3	102.6	88.0	92.7	82.4
July 1990	83.2	73.8	75.8	63.6	82.4	71.3	90.3	76.4	80.8	67.7
August 1989	74.4	60.8	71.6	57.0	76.5	64.8	83.6	68.7	75.4	60.8
Mississippi										
August 1990	96.3	NA	91.7	83.3	98.7	90.7	108.9	91.7	95.5	86.1
July 1990	79.4	W	78.1	63.1	87.3	70.4	96.8	74.5	83.0	66.1
August 1989	76.8	59.9	73.5	55.9	78.9	60.4	90.8	65.2	78.3	58.9
New Mexico										
August 1990	97.8	90.1	96.9	87.9	96.6	W	106.5	95.1	97.8	89.1
July 1990	83.0	73.7	82.3	72.6	84.8	W	92.9	80.6	83.5	73.8
August 1989	82.6	69.1	83.4	68.5	W	W	92.6	77.9	84.0	69.5
Texas										
August 1990	95.3	86.3	88.8	77.2	95.5	86.1	102.4	89.6	92.5	79.5
July 1990	82.7	68.4	77.4	61.6	84.3	70.3	92.7	75.9	81.8	64.3
August 1989	72.3	59.5	71.6	54.6	78.9	62.6	85.3	64.7	75.5	56.9
PAD District IV Average										
August 1990	97.0	87.0	95.8	86.8	96.9	88.2	106.0	93.5	97.4	87.7
July 1990	78.8	69.1	78.3	68.2	80.0	71.9	88.7	75.9	80.0	69.6
August 1989	81.3	65.7	81.1	64.6	85.4	W	90.8	72.6	82.4	65.9
Colorado										
August 1990	96.8	88.6	96.2	87.8	96.8	87.5	107.8	94.6	98.0	88.9
July 1990	78.0	66.6	77.5	65.7	79.8	71.4	89.8	74.7	79.8	67.6
August 1989	78.4	59.8	79.0	59.0	W	W	90.2	68.8	80.5	60.6
Idaho										
August 1990	97.5	86.4	97.0	86.9	-	-	108.0	93.7	97.8	87.4
July 1990	77.7	69.7	78.0	69.5	-	-	90.9	77.9	78.7	70.3
August 1989	82.8	68.9	83.4	69.3	W	-	93.7	78.8	83.9	69.7
Montana										
August 1990	100.7	89.2	99.7	88.9	W	W	107.2	94.7	101.0	89.6
July 1990	82.2	69.9	81.8	68.5	W	W	89.3	75.5	83.0	69.9
August 1989	84.9	68.2	84.3	67.1	W	-	89.4	72.5	95.1	68.0
Utah										
August 1990	90.3	83.6	89.4	83.7	92.8	W	98.8	90.3	91.1	84.5
July 1990	76.8	70.1	77.3	69.7	79.2	W	84.5	76.4	78.6	70.9
August 1989	81.4	67.7	81.2	67.2	W	-	90.1	75.2	82.5	68.3

See footnotes at end of table.

Table 28. Refiner/Reseller Motor Gasoline Prices by Grade (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
Wyoming										
August 1990	100.4	88.7	99.6	88.6	101.6	92.5	108.5	96.1	100.9	89.6
July 1990	81.3	69.6	80.9	69.2	86.1	74.5	89.8	77.2	82.2	70.4
August 1989	85.2	65.3	85.8	64.6	-	-	96.3	73.2	86.6	65.8
PAD District V Average										
August 1990	93.5	86.1	94.2	84.1	90.3	83.4	108.5	98.3	96.3	87.1
July 1990	82.9	76.5	85.4	76.4	85.8	79.1	99.0	91.0	87.5	79.5
August 1989	74.5	63.6	77.3	64.3	83.5	W	90.6	78.6	79.0	67.3
Alaska										
August 1990	127.9	101.3	115.8	99.0	W	-	118.0	107.8	114.8	100.0
July 1990	108.9	89.9	102.5	87.4	W	-	107.2	95.9	102.1	88.6
August 1989	99.6	84.9	101.2	84.3	W	-	105.7	96.0	100.9	85.1
Arizona										
August 1990	89.3	85.3	90.0	84.2	W	W	102.0	96.2	91.6	86.2
July 1990	80.8	75.6	82.4	75.7	W	W	94.3	88.1	84.2	77.7
August 1989	72.5	62.9	75.2	62.2	-	-	88.2	73.4	76.4	64.0
California										
August 1990	93.4	85.6	94.2	83.3	83.6	82.1	109.3	98.1	96.7	86.6
July 1990	82.8	77.0	85.7	76.2	80.8	77.7	99.2	91.3	88.0	79.9
August 1989	72.0	61.6	76.5	63.4	83.2	W	90.3	78.6	78.4	66.8
Hawaii										
August 1990	-	-	96.9	93.9	99.3	99.4	111.9	107.4	101.6	99.4
July 1990	-	-	92.4	91.9	96.3	96.9	107.7	105.6	97.4	97.6
August 1989	95.5	87.4	91.7	88.1	-	-	104.2	101.4	95.8	93.5
Nevada										
August 1990	90.0	86.5	93.7	86.2	-	W	107.6	98.3	94.8	88.0
July 1990	79.8	75.1	82.9	75.4	-	W	97.7	88.0	84.4	77.5
August 1989	75.7	62.9	77.9	63.7	W	-	91.8	76.9	79.3	65.4
Oregon										
August 1990	97.1	87.4	97.9	86.0	W	-	110.5	100.0	98.9	88.0
July 1990	85.0	76.3	87.3	76.0	W	-	102.6	89.1	88.5	77.8
August 1989	80.1	68.0	81.9	68.5	-	-	95.5	81.7	82.8	70.0
Washington										
August 1990	92.2	84.8	93.6	84.2	113.8	W	107.4	96.6	95.1	86.3
July 1990	82.0	74.9	83.9	74.8	105.5	W	98.4	87.9	85.6	77.0
August 1989	74.8	63.3	75.4	62.9	82.0	W	88.4	73.7	77.3	64.9

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 29. Refiner/Reseller Motor Gasoline Prices to End Users
by Grade**
(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										
August 1990	95.4	99.5	92.0	92.7	98.3	96.5	106.7	104.6	95.3	95.7
July 1990	82.0	81.0	77.9	75.5	84.8	81.2	94.4	87.3	82.2	78.7
August 1989	77.1	75.0	74.9	67.8	80.8	72.0	90.2	78.8	78.8	71.5
PAD District I Average										
August 1990	97.0	100.1	89.8	88.7	98.3	95.4	106.8	103.1	94.7	93.2
July 1990	83.7	88.9	77.3	73.7	86.3	81.7	95.7	87.7	83.5	78.7
August 1989	76.8	73.3	75.9	66.2	83.4	72.0	93.0	79.5	81.5	70.9
Subdistrict IA Average										
August 1990	107.9	100.6	95.9	90.6	104.1	98.2	112.8	106.1	100.4	95.4
July 1990	90.8	80.8	81.3	75.5	90.7	82.2	100.2	90.6	87.3	80.7
August 1989	89.0	72.1	82.9	73.9	90.1	74.6	99.6	91.0	88.6	78.7
Connecticut										
August 1990	W	W	94.5	92.7	103.1	99.1	111.5	109.7	99.9	100.1
July 1990	W	80.1	79.9	79.7	90.2	83.9	99.0	96.1	86.8	86.5
August 1989	94.7	79.0	88.1	85.9	96.7	77.6	108.3	103.6	94.5	91.8
Maine										
August 1990	-	-	99.5	92.0	107.2	97.4	116.4	105.3	103.2	95.6
July 1990	-	-	88.0	77.6	96.5	82.0	104.7	90.1	92.4	81.3
August 1989	93.4	W	84.3	72.7	89.7	74.0	99.8	78.5	88.2	73.5
Massachusetts										
August 1990	W	93.8	94.2	88.0	103.2	98.2	111.9	104.1	99.0	92.9
July 1990	W	74.7	77.6	71.2	87.9	81.4	98.7	87.1	84.6	77.3
August 1989	84.9	64.8	80.1	63.3	88.5	73.1	97.7	75.3	86.7	67.8
New Hampshire										
August 1990	-	W	96.4	89.4	104.3	99.0	113.6	107.0	100.8	95.4
July 1990	-	W	82.7	74.8	91.6	81.5	101.2	91.2	88.4	80.7
August 1989	NA	W	80.6	64.1	88.5	67.2	97.9	74.9	86.2	66.9
Rhode Island										
August 1990	W	W	93.5	92.2	102.1	W	109.5	97.2	98.1	96.1
July 1990	W	W	79.6	76.1	90.0	W	98.0	88.8	86.0	79.3
August 1989	W	W	78.7	64.8	86.1	73.4	94.1	75.3	84.6	67.7
Vermont										
August 1990	W	W	99.6	93.5	105.1	99.2	115.1	106.1	103.5	97.0
July 1990	W	W	86.1	80.6	93.2	84.4	102.9	92.9	91.2	83.9
August 1989	90.4	81.5	87.9	76.9	90.5	82.6	102.0	90.6	92.1	80.5
Subdistrict IB Average										
August 1990	NA	104.5	89.8	89.6	98.8	94.7	106.7	103.3	94.8	94.0
July 1990	88.2	92.3	78.1	74.3	87.8	82.6	96.2	88.6	84.3	79.5
August 1989	82.5	76.9	76.8	65.9	84.5	74.2	95.7	77.7	82.9	70.6
Delaware										
August 1990	-	-	90.7	78.8	99.3	92.6	111.5	103.2	96.7	86.6
July 1990	-	-	78.4	73.3	87.7	79.8	99.6	91.0	85.7	79.2
August 1989	W	W	71.9	68.4	81.6	74.9	91.4	77.1	78.7	71.6
District of Columbia										
August 1990	-	-	W	82.0	W	NA	W	101.4	W	87.7
July 1990	-	-	W	71.4	W	72.5	W	86.7	W	77.0
August 1989	W	67.7	W	59.9	-	62.7	W	74.8	W	66.5
Maryland										
August 1990	W	-	90.9	88.0	98.2	92.2	107.9	101.6	96.3	91.8
July 1990	W	W	80.9	73.5	87.8	81.9	97.9	87.4	87.1	78.6
August 1989	81.0	75.2	78.8	63.4	84.2	70.5	94.1	75.0	83.8	68.1
New Jersey										
August 1990	-	W	86.9	91.0	97.6	101.7	104.5	107.3	93.6	99.5
July 1990	W	W	78.1	76.1	89.3	89.7	96.2	92.0	85.8	85.2
August 1989	85.0	78.1	78.5	67.3	92.2	78.3	99.8	80.4	87.4	72.7
New York										
August 1990	NA	107.3	92.2	90.7	101.3	92.7	108.4	101.0	96.4	93.7
July 1990	88.4	96.4	79.9	76.9	89.7	80.3	97.7	85.9	85.3	80.0
August 1989	82.7	76.1	79.0	65.4	85.6	70.6	96.9	74.6	84.1	68.9
Pennsylvania										
August 1990	W	96.8	87.9	90.7	97.7	94.4	105.6	102.5	93.2	93.6
July 1990	W	82.3	75.4	72.2	86.0	79.8	94.1	88.0	81.9	76.5
August 1989	82.1	80.2	73.3	67.4	81.8	75.2	92.4	82.5	79.5	73.1

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users
by Grade (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										
August 1990	93.8	92.0	88.2	87.6	96.7	95.1	105.3	102.2	93.1	92.1
July 1990	78.5	83.2	75.7	72.6	84.7	80.8	94.3	86.1	82.0	77.3
August 1989	75.3	72.3	74.2	65.1	81.5	69.8	90.8	78.5	79.6	69.8
Florida										
August 1990	93.4	W	87.8	85.0	96.2	94.1	103.0	98.7	92.9	89.6
July 1990	79.0	W	77.1	67.9	84.9	80.4	93.6	81.6	83.2	73.2
August 1989	76.9	78.7	74.6	59.2	82.3	72.2	91.0	75.6	80.9	66.8
Georgia										
August 1990	NA	-	86.7	85.3	94.9	94.5	103.3	100.3	91.2	91.6
July 1990	83.6	-	73.3	69.2	82.1	76.6	91.5	81.0	79.2	74.3
August 1989	75.4	70.9	74.0	66.0	79.6	75.5	89.2	75.8	78.7	69.8
North Carolina										
August 1990	85.7	W	87.7	88.0	96.5	95.7	106.0	105.4	92.4	92.6
July 1990	72.8	W	74.8	73.8	84.4	81.6	94.2	88.9	81.1	78.1
August 1989	73.4	70.3	71.8	65.0	78.9	69.0	89.0	79.4	76.6	68.8
South Carolina										
August 1990	NA	-	89.7	89.6	99.5	94.5	110.6	101.3	94.7	92.9
July 1990	80.0	-	75.4	73.2	85.6	81.1	97.7	85.4	82.0	77.4
August 1989	74.5	71.3	72.6	66.8	75.1	65.0	89.9	81.8	76.4	70.1
Virginia										
August 1990	NA	93.4	88.3	88.5	96.3	94.3	106.9	101.5	93.9	92.4
July 1990	76.9	85.6	76.3	75.1	85.0	82.3	95.4	88.9	83.1	79.9
August 1989	74.8	72.6	75.7	68.0	84.0	72.5	92.8	80.7	81.7	72.3
West Virginia										
August 1990	-	91.9	94.0	89.8	102.8	97.0	111.9	106.7	98.2	94.9
July 1990	W	79.4	80.6	74.4	91.0	80.2	100.7	87.7	86.3	78.8
August 1989	78.5	73.0	78.9	67.6	87.7	75.1	98.5	80.2	84.2	72.7
PAD District II Average										
August 1990	99.7	101.2	93.1	94.5	99.7	99.4	106.9	104.3	95.7	96.8
July 1990	81.2	81.4	75.6	74.5	82.9	81.6	90.7	84.5	79.0	77.2
August 1989	78.3	77.8	72.9	67.8	78.2	72.4	86.5	78.5	75.9	71.7
Illinois										
August 1990	106.0	99.9	91.9	92.7	98.5	96.1	105.2	104.1	94.8	94.6
July 1990	84.4	84.8	75.0	74.8	83.2	81.6	90.7	85.5	79.0	77.2
August 1989	75.0	74.7	72.5	67.8	81.0	77.4	86.9	80.3	76.3	71.0
Indiana										
August 1990	108.4	102.8	92.5	94.2	103.6	99.0	109.2	105.9	96.5	98.5
July 1990	88.3	82.4	74.7	71.7	83.3	79.0	89.9	83.2	78.9	76.9
August 1989	77.6	71.3	67.3	59.3	70.2	64.6	79.7	74.5	70.5	63.6
Iowa										
August 1990	96.8	97.5	94.3	95.2	97.9	W	104.6	105.6	95.3	96.3
July 1990	80.6	79.2	77.2	77.4	79.7	W	87.5	89.3	78.5	79.0
August 1989	80.3	77.6	78.3	76.5	84.0	W	88.3	87.2	79.4	77.2
Kansas										
August 1990	98.4	101.1	95.2	103.3	102.8	W	105.9	98.9	96.6	102.7
July 1990	77.5	75.1	74.1	74.4	82.9	-	86.9	W	76.1	74.6
August 1989	74.3	76.3	72.3	67.2	77.0	W	82.4	68.0	73.9	70.2
Kentucky										
August 1990	104.5	94.7	94.8	89.7	100.9	95.8	110.5	103.4	90.2	93.6
July 1990	83.7	75.2	78.2	71.8	85.2	77.9	95.6	83.1	82.5	75.7
August 1989	76.2	71.9	73.0	67.6	76.1	69.8	88.4	80.9	76.7	70.9
Michigan										
August 1990	102.6	105.5	92.4	89.8	98.7	97.6	106.2	101.4	94.9	93.2
July 1990	84.4	84.2	74.9	73.4	82.0	80.4	89.8	84.5	78.2	76.9
August 1989	81.3	80.4	72.5	69.5	78.9	76.5	85.2	79.0	75.5	73.7
Minnesota										
August 1990	97.9	99.0	96.7	100.0	103.5	NA	105.5	105.4	97.9	99.7
July 1990	85.1	84.2	82.8	79.3	88.6	NA	93.5	84.8	84.6	81.5
August 1989	85.7	82.8	84.4	71.6	NA	-	96.5	NA	86.2	77.1
Missouri										
August 1990	97.6	103.9	91.7	94.5	98.6	101.7	104.3	100.2	94.2	97.2
July 1990	77.1	80.5	73.5	76.1	83.7	W	89.0	83.5	77.3	77.9
August 1989	73.7	80.8	70.4	72.6	81.9	W	85.7	77.0	73.9	76.8

See footnotes at end of table.

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

Geographic Area Month	Lended 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										
August 1990	99.6	98.6	98.6	99.2	W	-	103.0	W	99.6	99.2
July 1990	79.6	80.3	78.5	77.6	W	-	86.4	W	79.6	78.4
August 1989	80.8	74.2	80.6	71.2	W	W	88.8	W	81.3	73.2
North Dakota										
August 1990	105.8	104.3	103.7	100.5	107.3	102.3	108.8	113.4	104.3	102.3
July 1990	87.1	86.5	87.6	82.2	92.5	84.9	95.1	91.6	87.9	84.0
August 1989	87.8	86.3	86.8	82.1	96.8	NA	99.6	91.5	87.9	85.9
Ohio										
August 1990	102.9	100.4	91.4	92.1	99.5	103.7	109.8	106.1	94.6	96.4
July 1990	84.3	79.8	74.0	74.3	82.8	83.8	93.3	86.6	78.4	77.9
August 1989	78.5	79.7	70.4	67.2	78.4	74.6	89.1	80.7	74.8	72.2
Oklahoma										
August 1990	97.9	97.7	94.5	91.8	98.6	96.2	103.4	98.9	96.0	94.2
July 1990	74.7	71.7	72.2	63.8	77.3	W	82.4	72.7	74.2	66.1
August 1989	73.1	63.8	70.6	63.4	71.6	W	78.6	63.8	72.2	63.6
South Dakota										
August 1990	102.0	95.3	103.5	94.4	-	-	111.0	105.8	104.1	94.8
July 1990	86.0	82.6	87.1	82.8	-	-	95.9	97.1	87.8	82.9
August 1989	87.4	82.9	88.8	80.6	-	-	99.4	W	88.9	81.5
Tennessee										
August 1990	93.5	-	87.6	91.3	96.5	97.9	105.7	104.3	92.2	94.2
July 1990	75.7	-	73.5	72.8	83.1	79.5	93.5	87.3	79.3	76.4
August 1989	73.1	NA	71.2	NA	78.3	72.4	89.3	70.8	76.4	NA
Wisconsin										
August 1990	103.4	104.6	94.3	94.4	99.1	104.0	107.7	109.2	96.6	97.2
July 1990	84.8	84.0	75.5	73.3	81.2	81.8	89.0	88.4	78.3	76.7
August 1989	79.6	78.2	71.6	74.7	78.3	84.6	83.5	90.3	74.4	77.3
PAD District III Average										
August 1990	96.3	98.7	90.8	90.6	97.2	95.0	105.4	99.0	94.6	92.8
July 1990	81.7	83.2	78.1	73.1	84.9	77.8	94.1	82.8	82.6	76.0
August 1989	75.3	70.1	73.5	67.5	79.1	69.4	87.2	75.0	77.3	69.7
Alabama										
August 1990	W	-	94.6	89.9	102.6	97.1	114.2	104.2	99.7	94.2
July 1990	W	-	79.8	73.3	87.7	85.3	99.3	85.8	85.5	78.4
August 1989	79.6	NA	78.3	71.3	79.5	74.1	91.0	85.0	81.3	75.5
Arkansas										
August 1990	100.7	NA	95.7	105.0	102.2	NA	109.9	NA	98.6	NA
July 1990	79.5	68.7	76.9	72.7	82.6	74.8	92.7	85.2	80.6	74.5
August 1989	71.0	72.2	70.6	69.9	76.3	-	82.4	79.2	73.1	72.6
Louisiana										
August 1990	95.1	W	88.1	92.0	94.8	95.5	102.6	102.2	92.5	94.8
July 1990	84.0	W	76.3	72.3	82.9	77.4	91.6	82.9	81.4	76.4
August 1989	75.0	68.4	72.9	62.6	78.2	68.8	86.3	70.6	76.9	66.3
Mississippi										
August 1990	97.6	NA	91.7	91.9	98.6	100.5	109.3	103.0	95.0	94.3
July 1990	79.9	W	78.2	76.7	87.4	85.6	97.3	86.7	83.3	79.1
August 1989	78.0	70.2	74.0	69.2	79.2	72.9	91.2	87.0	78.9	73.4
New Mexico										
August 1990	96.2	103.0	96.8	97.7	96.5	W	107.3	101.7	97.5	99.9
July 1990	82.6	84.6	82.2	82.5	84.8	W	93.7	87.8	83.5	83.7
August 1989	82.5	82.7	83.9	79.0	W	-	93.7	84.2	84.4	80.8
Texas										
August 1990	95.2	95.9	89.1	86.1	95.9	89.8	103.0	94.1	92.9	88.0
July 1990	82.6	83.3	77.8	71.5	84.7	75.2	93.3	79.8	82.3	73.8
August 1989	73.4	68.1	72.2	66.8	79.3	W	86.5	72.1	76.4	68.0
PAD District IV Average										
August 1990	96.3	98.8	95.9	95.0	96.2	103.6	106.7	101.4	97.5	97.0
July 1990	78.8	78.6	78.7	75.8	79.7	81.9	89.3	83.9	80.5	77.8
August 1989	81.7	79.7	81.9	75.2	85.1	W	91.4	82.7	83.2	77.7
Colorado										
August 1990	96.0	100.5	96.5	94.0	96.5	W	108.5	101.0	98.2	96.7
July 1990	77.8	79.2	77.9	74.3	79.7	W	90.5	83.2	80.2	77.1
August 1989	78.8	74.4	79.9	67.7	W	-	90.7	70.1	81.4	70.1

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users
by Grade (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										
August 1990	98.0	97.0	98.1	95.8	-	-	108.6	107.1	98.7	96.8
July 1990	79.9	75.9	80.3	75.3	-	-	90.9	90.8	81.0	76.1
August 1989	84.3	80.6	84.7	79.6	W	W	94.8	89.0	85.3	80.5
Montana										
August 1990	99.7	101.8	99.9	99.3	-	W	107.3	106.7	100.8	101.3
July 1990	82.4	82.0	82.4	80.2	-	W	89.6	88.2	83.6	82.0
August 1989	84.8	85.1	84.1	84.9	-	W	89.7	87.5	85.1	85.2
Utah										
August 1990	90.3	90.8	89.7	85.0	92.9	W	99.5	90.6	91.4	87.2
July 1990	76.9	73.8	77.6	70.4	79.2	-	85.4	74.1	78.9	72.4
August 1989	81.9	73.7	81.7	72.7	W	-	90.4	81.9	82.9	73.9
Wyoming										
August 1990	101.5	98.7	100.7	95.0	W	W	110.6	98.8	102.2	96.0
July 1990	82.3	78.3	81.9	77.3	W	W	90.6	83.8	83.3	78.1
August 1989	89.7	77.4	90.4	75.2	-	-	99.4	86.5	91.2	76.9
PAD District V Average										
August 1990	92.7	97.2	94.0	95.0	90.3	90.2	107.9	111.0	96.0	98.1
July 1990	83.5	80.5	86.3	81.0	85.9	84.8	100.7	91.0	88.5	83.0
August 1989	75.4	70.9	78.8	69.7	86.4	80.0	92.6	80.2	80.4	71.9
Alaska										
August 1990	140.0	113.7	116.8	114.4	W	W	118.8	NA	115.1	114.1
July 1990	114.5	102.1	104.7	98.2	W	W	108.7	98.8	103.1	99.2
August 1989	101.2	97.8	101.5	100.9	-	W	107.0	W	101.9	99.9
Arizona										
August 1990	88.7	97.1	89.6	93.9	W	-	101.5	109.6	91.3	96.3
July 1990	80.3	86.1	82.3	83.5	W	-	94.1	97.8	84.0	85.9
August 1989	72.5	71.8	76.4	71.4	-	-	88.5	81.8	76.7	72.7
California										
August 1990	92.3	98.0	94.1	94.9	82.5	90.2	109.3	113.3	96.2	98.9
July 1990	84.4	77.7	87.2	79.5	80.7	W	101.6	90.9	89.7	81.7
August 1989	73.9	65.3	79.0	64.9	87.6	W	93.3	77.8	80.9	67.9
Hawaii										
August 1990	-	-	103.4	88.2	111.6	88.0	124.0	99.8	109.7	91.9
July 1990	-	-	98.7	83.8	106.1	85.8	118.8	95.5	105.3	87.7
August 1989	104.6	84.0	104.0	78.9	-	-	120.7	90.3	108.6	83.0
Nevada										
August 1990	89.3	94.5	93.3	95.8	-	-	107.8	107.4	94.5	96.3
July 1990	80.3	77.3	83.8	79.0	-	-	98.5	88.8	85.5	79.3
August 1989	76.2	73.8	79.2	72.6	W	-	92.2	87.7	80.4	74.0
Oregon										
August 1990	97.4	95.0	98.2	95.9	W	-	110.7	109.1	99.4	96.5
July 1990	85.0	85.3	87.6	85.3	W	-	103.0	99.3	88.7	86.7
August 1989	80.7	76.7	82.5	76.7	-	-	95.8	92.0	83.5	77.8
Washington										
August 1990	90.8	96.0	93.5	94.0	W	W	108.0	104.6	94.8	96.2
July 1990	81.4	84.0	84.0	83.7	101.2	NA	98.8	95.7	85.7	85.2
August 1989	74.4	76.6	75.8	72.9	W	W	88.8	84.5	77.6	75.6

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller Type**
(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												
August 1990	82.6	86.0	86.1	82.8	84.1	83.9	82.7	84.8	85.6	87.6	88.2	88.8
July 1990	82.0	71.1	72.3	79.0	85.9	85.1	81.3	89.4	70.6	83.1	81.0	72.2
August 1989	78.4	63.5	64.5	75.5	59.5	56.5	77.8	62.1	62.7	79.7	73.7	65.0
PAD District I Average												
August 1990	91.0	84.1	88.9	90.9	87.5	88.9	91.0	85.1	86.9	97.4	95.7	90.9
July 1990	81.9	72.1	74.0	79.1	70.4	65.7	81.5	71.6	72.9	84.8	80.9	74.5
August 1989	80.7	62.5	66.3	78.7	56.4	55.3	80.5	60.3	65.1	82.1	73.3	67.7
Subdistrict 1A Average												
August 1990	94.3	86.9	89.7	-	W	88.5	94.3	87.2	89.5	101.8	96.0	89.4
July 1990	85.7	77.9	78.4	-	W	83.4	85.7	75.3	78.2	87.6	82.0	73.6
August 1989	90.5	66.1	70.7	-	W	55.2	90.5	63.0	69.6	88.1	82.4	65.6
Connecticut												
August 1990	W	87.3	89.1	-	W	W	W	87.1	89.1	101.5	102.9	88.4
July 1990	W	81.7	77.7	-	W	W	W	81.3	77.5	87.2	88.7	75.0
August 1989	W	67.4	71.7	-	W	W	W	65.7	71.5	93.5	94.3	63.8
Maine												
August 1990	W	85.4	85.6	-	W	W	W	82.8	85.6	103.9	95.9	88.4
July 1990	W	70.0	72.0	-	W	W	W	69.2	71.8	92.9	81.5	75.9
August 1989	W	70.8	61.0	-	W	W	W	69.1	60.0	88.3	74.0	68.5
Massachusetts												
August 1990	95.4	88.7	91.4	-	W	85.9	95.4	88.4	91.0	100.0	94.6	87.9
July 1990	86.6	77.1	80.9	-	W	61.7	86.6	74.0	76.2	84.0	78.7	70.7
August 1989	88.6	64.4	73.3	-	W	54.7	88.6	61.3	70.9	85.9	71.3	63.3
New Hampshire												
August 1990	W	W	88.9	-	W	W	W	82.7	89.0	102.7	100.9	92.7
July 1990	84.5	W	78.0	-	W	W	84.5	70.2	77.8	89.2	85.3	78.9
August 1989	89.3	62.8	71.7	-	W	W	89.3	60.7	71.2	85.2	71.3	72.6
Rhode Island												
August 1990	95.9	W	89.9	-	W	W	95.8	96.3	89.7	99.4	96.1	88.5
July 1990	86.1	81.8	78.1	-	W	W	86.1	73.9	77.2	85.9	80.3	75.6
August 1989	92.9	72.2	70.0	-	W	W	92.9	68.0	69.5	82.1	80.5	60.4
Vermont												
August 1990	W	W	W	-	-	W	W	W	89.6	103.7	97.5	96.8
July 1990	W	W	W	-	-	W	W	W	77.3	91.4	84.3	82.5
August 1989	W	W	W	-	-	W	W	W	70.0	92.1	80.8	75.5
Subdistrict 1B Average												
August 1990	91.0	W	87.6	92.2	88.7	88.8	91.2	87.3	87.7	99.1	95.7	90.5
July 1990	82.3	W	76.6	80.7	72.9	67.2	82.0	74.7	75.3	88.8	80.8	73.6
August 1989	83.1	W	69.9	79.8	61.2	56.0	82.6	63.3	68.2	83.2	71.0	66.5
Delaware												
August 1990	W	W	83.5	-	-	W	W	W	83.6	95.8	87.1	87.9
July 1990	W	80.0	73.4	-	-	W	W	80.0	73.0	84.5	78.5	75.1
August 1989	90.6	W	67.7	-	-	W	90.6	W	67.5	76.9	74.2	67.9
District of Columbia												
August 1990	-	82.6	80.1	-	-	-	-	82.6	90.1	W	NA	NA
July 1990	-	74.1	W	-	-	W	-	74.1	84.2	W	78.6	W
August 1989	-	58.4	80.1	-	-	W	-	58.4	80.1	W	89.9	63.6
Maryland												
August 1990	-	83.0	W	W	W	85.4	W	83.1	86.8	98.4	93.5	90.1
July 1990	-	70.0	78.3	W	W	75.6	W	70.0	78.0	87.1	80.1	76.5
August 1989	-	59.0	73.2	-	W	72.2	-	59.0	73.1	83.8	70.4	69.1
New Jersey												
August 1990	92.2	87.3	87.3	W	W	89.8	92.3	86.0	87.8	99.1	102.3	87.0
July 1990	85.4	73.3	78.8	W	W	64.8	85.5	73.1	73.7	87.2	87.8	67.9
August 1989	89.4	63.1	70.1	W	W	W	89.2	62.4	66.5	82.1	74.5	60.5
New York												
August 1990	91.7	90.2	89.3	W	W	88.9	91.2	88.7	89.3	102.8	94.9	93.1
July 1990	82.4	81.7	79.2	W	W	70.0	81.4	78.3	78.5	89.4	80.3	79.7
August 1989	W	75.8	74.7	W	61.7	56.6	82.2	69.1	73.2	85.8	88.9	72.6
Pennsylvania												
August 1990	89.3	88.3	86.7	95.7	90.8	88.6	90.4	89.8	86.8	98.9	94.8	92.1
July 1990	79.8	75.3	73.0	W	74.1	67.9	80.4	74.4	72.5	83.9	77.2	75.1
August 1989	79.1	64.6	63.7	78.9	61.3	56.7	79.0	62.7	63.1	80.3	75.3	66.0

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller Type (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												
August 1990	90.6	82.7	85.5	90.1	86.4	84.9	90.5	83.6	85.4	95.1	95.4	91.7
July 1990	81.2	88.9	70.3	77.9	80.3	64.7	80.7	88.7	89.6	82.9	80.5	76.0
August 1989	78.4	81.0	61.5	77.9	54.5	54.7	78.3	58.5	60.6	80.4	72.7	69.7
Florida												
August 1990	90.8	84.3	85.8	95.3	W	84.4	91.7	85.2	85.7	95.7	96.8	91.8
July 1990	82.0	89.5	73.3	80.4	W	65.0	82.6	88.7	72.0	84.1	81.6	76.1
August 1989	78.6	82.5	64.7	77.5	W	54.3	78.6	58.9	63.0	82.3	75.0	73.7
Georgia												
August 1990	89.8	82.7	85.3	W	W	85.5	89.8	82.6	85.3	92.8	95.7	91.8
July 1990	78.9	88.2	68.4	76.5	W	64.1	78.5	88.2	67.8	79.8	76.7	73.7
August 1989	76.3	82.9	58.7	W	W	54.6	76.0	60.6	58.1	80.4	71.8	68.0
North Carolina												
August 1990	89.4	78.8	85.1	W	W	86.2	89.0	78.8	85.2	93.5	95.2	91.6
July 1990	79.5	85.4	67.6	W	W	64.5	78.9	85.4	67.3	81.7	80.2	78.1
August 1989	75.3	56.2	58.0	W	W	55.1	75.3	58.1	57.8	77.2	71.0	70.9
South Carolina												
August 1990	88.5	84.0	84.9	W	-	81.9	88.3	84.0	84.5	99.8	95.9	92.1
July 1990	75.6	89.7	67.6	W	-	63.7	75.4	89.7	67.1	87.0	80.6	77.3
August 1989	73.0	63.2	58.2	W	W	54.3	74.7	61.7	57.7	77.3	71.1	66.3
Virginia												
August 1990	91.4	81.0	85.8	W	W	86.4	90.5	81.6	85.8	95.3	95.3	91.0
July 1990	84.4	89.2	71.8	W	W	65.3	83.2	88.4	71.3	83.0	82.3	75.8
August 1989	82.8	59.7	64.5	82.3	56.2	55.1	82.7	59.1	63.7	81.0	73.9	66.7
West Virginia												
August 1990	97.8	97.0	85.8	90.6	W	88.4	97.6	95.7	85.9	98.8	94.5	93.1
July 1990	87.5	78.2	71.6	76.0	W	67.3	87.1	76.9	70.8	85.6	80.0	76.8
August 1989	86.6	69.3	65.6	76.1	W	57.6	86.2	66.5	64.9	79.4	75.8	70.3
PAD District II Average												
August 1990	94.4	84.2	86.6	92.2	88.0	85.0	93.8	84.4	86.2	97.5	98.0	89.1
July 1990	79.4	88.1	67.6	74.7	67.3	62.8	78.2	88.1	66.2	79.7	78.9	68.4
August 1989	75.5	63.9	61.1	72.6	57.3	56.6	74.8	63.5	59.9	77.1	73.0	63.2
Illinois												
August 1990	93.7	78.7	86.0	W	-	84.3	93.0	78.7	85.8	96.8	95.9	90.1
July 1990	82.7	87.1	69.8	W	-	61.9	80.4	87.1	68.2	77.3	77.9	66.9
August 1989	78.2	83.1	62.3	W	-	56.0	77.0	63.1	62.0	75.3	71.7	61.1
Indiana												
August 1990	92.3	85.7	86.9	W	W	81.7	91.9	85.4	85.5	100.0	99.1	87.1
July 1990	75.4	86.4	67.4	W	W	64.8	74.6	86.0	66.8	82.0	77.6	68.6
August 1989	67.7	59.3	59.4	W	W	58.7	67.3	58.3	58.9	74.5	63.7	59.9
Iowa												
August 1990	98.8	86.5	88.0	94.8	-	86.3	95.7	86.5	87.3	95.1	97.6	90.3
July 1990	80.3	W	65.9	75.4	-	62.5	76.5	W	64.3	79.2	81.0	69.7
August 1989	81.6	56.3	59.9	76.8	-	56.1	78.0	56.3	58.2	79.7	78.8	62.0
Kansas												
August 1990	98.9	83.8	86.0	94.6	W	83.4	98.3	83.9	84.2	96.8	103.7	85.7
July 1990	79.1	84.6	64.1	73.7	W	60.6	75.9	84.2	61.7	76.2	75.0	65.4
August 1989	73.4	57.1	59.3	72.4	W	55.3	72.8	57.3	56.5	74.3	74.2	61.0
Kentucky												
August 1990	96.8	91.1	88.8	95.1	W	85.3	96.5	91.1	88.5	99.3	98.1	94.0
July 1990	82.6	73.6	70.0	78.4	-	67.0	81.9	73.6	69.7	82.9	77.4	75.0
August 1989	76.6	64.7	61.0	74.6	W	58.9	76.3	64.7	60.6	77.1	73.0	68.0
Michigan												
August 1990	92.0	78.4	87.3	W	W	87.2	92.0	78.4	87.3	97.3	96.3	90.2
July 1990	76.6	70.4	68.7	W	-	64.6	75.7	70.4	68.0	80.3	78.1	72.3
August 1989	73.8	65.1	63.3	W	-	58.5	73.4	65.1	62.5	78.1	76.1	67.2
Minnesota												
August 1990	96.9	82.2	87.1	94.7	W	88.2	96.5	82.8	87.8	98.8	101.3	92.4
July 1990	83.6	64.1	67.2	80.6	W	64.2	83.0	64.1	66.0	85.5	83.8	68.9
August 1989	87.2	61.5	64.4	84.6	W	59.1	86.7	61.5	62.2	85.9	81.0	65.8
Missouri												
August 1990	94.4	70.0	86.0	92.7	W	84.7	93.7	70.2	85.5	94.6	99.9	89.3
July 1990	81.2	66.9	66.8	75.7	W	62.1	78.9	66.5	65.1	76.3	78.8	67.0
August 1989	74.7	65.6	59.8	70.2	W	55.1	72.9	63.9	58.0	74.5	78.8	63.1

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller Type (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												
August 1990	W	84.0	87.7	94.4	-	86.3	88.3	84.0	87.0	100.0	100.6	87.3
July 1990	W	81.9	85.0	75.2	-	82.4	79.5	81.9	83.7	79.7	79.5	88.0
August 1989	85.7	W	59.1	78.4	-	59.3	81.9	W	57.7	81.1	75.2	61.8
North Dakota												
August 1990	104.3	W	88.7	W	-	88.9	104.0	W	88.8	104.3	102.8	87.0
July 1990	90.7	W	88.5	W	-	84.8	90.1	W	86.5	87.7	84.8	86.5
August 1989	84.4	83.7	88.7	W	-	82.1	83.5	83.7	85.3	88.8	88.9	85.4
Ohio												
August 1990	95.0	87.9	86.9	W	W	84.4	94.8	88.1	86.8	94.7	101.0	89.8
July 1990	79.0	73.2	88.0	W	W	85.1	78.5	73.2	87.8	78.3	81.1	89.7
August 1989	75.6	69.5	82.8	W	W	55.7	75.0	88.8	82.0	73.9	73.1	82.8
Oklahoma												
August 1990	95.9	83.7	83.0	92.1	88.7	81.2	94.9	84.1	82.2	96.7	97.5	83.2
July 1990	75.1	59.5	61.8	73.0	W	61.1	74.5	59.6	61.4	74.0	72.7	63.0
August 1989	69.1	56.2	56.2	68.8	59.4	55.0	68.9	56.5	55.8	74.6	67.8	60.4
South Dakota												
August 1990	W	W	88.5	W	W	86.3	95.7	W	87.5	104.3	97.2	89.3
July 1990	W	W	88.7	W	W	84.5	80.7	W	86.8	88.0	84.5	89.1
August 1989	W	81.3	85.1	W	W	58.9	W	61.2	61.7	89.0	83.0	84.8
Tennessee												
August 1990	91.2	83.1	86.2	91.4	W	86.2	91.2	83.8	86.2	94.2	96.1	91.2
July 1990	80.5	80.3	88.4	77.8	W	84.1	79.6	67.8	67.7	78.8	78.3	79.1
August 1989	76.9	58.2	58.5	75.4	W	54.3	76.4	58.1	57.8	76.4	NA	63.2
Wisconsin												
August 1990	95.5	86.0	86.0	W	W	87.1	94.0	86.2	86.4	98.0	97.5	86.9
July 1990	77.5	85.1	85.4	W	W	83.4	76.1	84.8	84.7	79.6	77.0	87.4
August 1989	73.6	59.4	60.4	W	W	57.7	72.9	59.3	59.5	75.4	77.8	83.9
PAD District III Average												
August 1990	92.5	W	82.6	91.7	83.2	79.7	92.3	83.2	81.8	96.4	94.5	82.6
July 1990	84.0	W	86.5	80.1	85.5	82.1	82.7	67.2	84.0	82.6	77.4	80.7
August 1989	78.8	W	58.5	75.2	58.3	55.1	77.7	59.5	57.2	76.9	70.9	61.9
Alabama												
August 1990	92.3	83.0	85.8	90.9	84.5	85.9	92.0	83.0	85.8	102.2	97.8	93.1
July 1990	80.7	87.8	88.2	79.0	88.4	85.0	80.3	67.9	87.5	87.1	81.2	77.4
August 1989	82.0	58.2	58.7	82.7	56.8	54.8	82.2	58.1	57.9	80.7	77.6	70.3
Arkansas												
August 1990	96.8	90.8	86.0	93.8	W	84.6	94.8	91.4	85.5	99.8	NA	91.4
July 1990	83.0	85.7	86.5	76.6	W	82.8	78.4	86.5	85.0	81.3	74.9	71.5
August 1989	80.9	58.6	58.1	W	83.2	55.0	75.7	58.9	56.9	71.6	73.7	64.5
Louisiana												
August 1990	91.4	81.3	82.5	93.6	94.2	82.0	91.6	92.3	82.4	93.3	97.5	82.3
July 1990	82.3	W	67.0	79.0	W	82.6	81.8	67.3	85.7	81.0	77.8	76.0
August 1989	78.1	55.9	58.7	75.9	67.0	54.9	77.7	57.3	57.3	76.3	67.2	72.9
Mississippi												
August 1990	92.8	83.7	84.8	W	87.0	87.8	92.9	84.2	85.4	96.2	95.8	90.9
July 1990	80.3	87.6	86.3	W	86.9	83.0	79.6	67.4	85.5	84.2	80.8	70.7
August 1989	W	59.2	58.5	W	55.5	55.1	75.7	58.1	56.3	79.4	75.3	71.1
New Mexico												
August 1990	W	W	85.7	W	88.6	87.4	94.7	86.8	86.4	98.6	102.8	89.3
July 1990	W	74.5	72.4	W	72.7	70.8	81.0	73.9	71.6	84.6	84.7	81.3
August 1989	85.2	70.9	68.1	82.5	W	65.9	83.9	68.8	67.1	84.6	82.5	80.6
Texas												
August 1990	92.6	83.2	81.1	91.0	79.7	77.5	92.1	82.4	79.7	93.8	89.0	79.1
July 1990	84.9	87.3	85.8	80.8	82.9	81.1	83.5	86.3	83.9	80.9	75.2	85.4
August 1989	78.5	61.5	58.1	74.5	53.4	54.3	77.3	59.5	56.5	74.7	69.1	57.7
PAD District IV Average												
August 1990	94.8	82.6	86.0	93.6	W	86.9	94.3	82.9	86.3	99.6	98.7	91.4
July 1990	80.8	87.1	88.8	78.7	W	67.0	79.7	67.8	88.0	81.1	78.7	74.1
August 1989	81.5	82.9	86.0	79.9	W	62.8	80.8	64.0	64.7	85.1	79.7	69.5

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices
by Seller Type (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												
August 1990	95.7	W	86.8	93.3	-	88.2	94.4	W	87.3	102.5	99.8	97.0
July 1990	81.5	W	67.2	78.7	-	65.0	79.9	W	66.5	80.5	79.1	73.9
August 1989	80.6	60.9	61.9	79.4	-	56.8	80.0	60.9	59.9	83.4	75.0	65.2
Idaho												
August 1990	W	W	85.1	W	-	85.6	99.3	W	85.2	98.7	96.9	91.9
July 1990	W	W	69.8	W	-	69.1	82.5	W	69.6	80.9	76.2	72.6
August 1989	W	70.7	69.4	W	-	69.0	83.4	70.7	69.3	85.5	80.7	71.0
Montana												
August 1990	W	W	87.5	96.2	-	88.3	97.6	W	87.8	102.0	101.4	93.0
July 1990	W	W	68.5	79.4	W	67.3	81.0	W	68.1	84.4	82.1	73.6
August 1989	W	70.5	66.4	W	W	66.9	W	70.2	66.6	85.4	85.5	74.2
Utah												
August 1990	91.2	84.1	83.8	W	W	84.7	91.3	84.1	84.2	91.4	92.2	NA
July 1990	77.8	W	69.6	W	W	67.6	77.8	70.6	68.8	79.3	75.3	75.4
August 1989	82.3	71.4	69.7	W	W	66.2	82.3	71.3	68.2	83.5	75.9	68.5
Wyoming												
August 1990	98.7	84.4	88.1	97.8	W	88.2	98.1	85.1	88.2	102.8	97.1	93.4
July 1990	82.0	68.3	70.0	77.6	W	67.8	79.0	69.4	69.1	84.1	78.8	74.0
August 1989	W	67.8	65.8	84.6	W	62.1	85.4	67.5	64.0	92.0	77.5	73.2
PAD District V Average												
August 1990	91.6	90.0	86.4	96.9	NA	86.0	93.1	85.6	86.3	100.1	102.2	91.1
July 1990	86.9	81.0	80.4	87.6	NA	75.0	87.1	69.1	79.4	90.4	89.0	80.0
August 1989	80.0	65.6	69.6	80.8	61.4	58.6	80.1	63.0	67.8	80.9	77.1	64.8
Alaska												
August 1990	W	W	W	109.2	W	94.3	109.0	95.6	95.8	NA	122.0	114.7
July 1990	W	W	87.5	100.1	W	W	99.7	88.2	85.7	115.0	104.9	97.7
August 1989	W	W	W	99.9	W	79.6	96.9	85.9	80.5	103.7	103.5	98.0
Arizona												
August 1990	86.7	W	84.8	W	W	89.2	87.2	W	85.3	95.6	98.7	99.0
July 1990	82.2	W	77.3	W	W	76.0	82.5	78.6	77.1	85.5	88.1	85.0
August 1989	73.6	69.1	64.4	W	W	61.1	73.8	69.2	63.7	78.4	72.6	66.4
California												
August 1990	92.4	90.6	86.5	95.6	NA	84.5	93.4	84.2	86.2	101.8	104.3	89.1
July 1990	88.5	81.0	81.6	86.1	NA	74.3	87.8	NA	80.1	95.2	89.7	78.9
August 1989	82.2	63.7	70.7	77.7	W	55.4	81.4	59.8	68.1	80.0	74.8	60.7
Hawaii												
August 1990	W	W	99.3	W	W	W	W	87.0	99.1	W	117.3	105.4
July 1990	W	W	97.6	W	W	W	W	82.6	97.5	W	111.8	100.9
August 1989	W	W	93.8	W	W	W	W	W	93.4	W	102.6	93.7
Nevada												
August 1990	87.5	90.0	85.8	W	W	NA	88.7	90.0	87.3	96.6	105.2	94.7
July 1990	80.8	77.3	77.3	W	W	NA	82.0	75.0	77.4	86.7	85.6	77.6
August 1989	77.8	68.4	66.6	W	62.5	63.8	77.6	66.8	65.9	83.7	75.0	63.5
Oregon												
August 1990	95.7	W	85.0	W	W	86.3	95.6	87.1	85.2	100.9	97.2	94.8
July 1990	87.3	W	77.0	W	W	75.4	87.0	78.4	76.8	89.5	87.6	80.2
August 1989	84.5	69.8	68.9	W	W	64.7	84.3	68.6	68.4	83.2	78.8	74.2
Washington												
August 1990	91.3	86.8	85.1	W	-	88.2	92.5	86.8	85.4	98.7	96.9	91.2
July 1990	84.0	78.2	76.1	W	-	74.8	84.8	78.2	76.0	87.2	85.5	82.3
August 1989	73.9	65.6	63.9	W	W	64.3	75.1	65.2	64.0	80.9	77.1	70.0

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 Gasoline Prices
by Seller Type**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users			Sales to End Users			Sales to End Users			Sales to End Users		
	Through Company Outlets	Other End Users	Sales for Resale	Through Company Outlets	Other End Users	Sales for Resale	Through Company Outlets	Other End Users	Sales for Resale	Through Company Outlets	Other End Users	Sales for Resale
U.S. Average												
August 1990	87.8	88.0	84.4	92.5	NA	86.8	89.8	81.5	85.2	97.9	100.7	92.0
July 1990	79.8	73.3	72.7	80.4	NA	68.0	80.1	NA	71.0	82.9	82.9	74.8
August 1989	75.1	62.9	61.0	75.8	57.3	58.1	75.4	59.5	60.0	77.8	76.6	65.8
PAD District I Average												
August 1990	W	W	87.9	W	W	88.9	99.0	98.3	88.7	NA	100.4	90.8
July 1990	W	W	70.8	W	W	72.4	86.6	82.6	72.1	83.0	89.6	74.2
August 1989	76.1	67.8	56.0	77.9	61.1	54.9	76.9	64.8	55.6	76.8	73.9	67.3
Subdistrict 1A Average												
August 1990	W	-	-	-	-	-	W	-	-	109.5	100.6	90.8
July 1990	W	-	-	-	-	-	W	-	-	92.4	80.8	72.7
August 1989	W	W	W	-	-	W	W	64.7	57.1	89.1	72.2	61.6
Connecticut												
August 1990	-	-	-	-	-	-	-	-	-	NA	W	W
July 1990	-	-	-	-	-	-	-	-	-	NA	80.1	W
August 1989	W	-	W	-	-	-	W	-	W	95.2	79.0	81.5
Maine												
August 1990	-	-	-	-	-	-	-	-	-	-	-	W
July 1990	-	-	-	-	-	-	-	-	-	-	-	W
August 1989	W	W	W	-	-	-	W	W	W	W	W	W
Massachusetts												
August 1990	-	-	-	-	-	-	-	-	-	NA	NA	W
July 1990	-	-	-	-	-	-	-	-	-	NA	NA	W
August 1989	W	W	W	-	-	W	W	W	W	84.7	64.8	58.6
New Hampshire												
August 1990	-	-	-	-	-	-	-	-	-	-	NA	89.0
July 1990	-	-	-	-	-	-	-	-	-	-	NA	72.7
August 1989	-	-	-	-	-	-	-	-	-	NA	W	64.2
Rhode Island												
August 1990	W	-	-	-	-	-	W	-	-	-	W	W
July 1990	W	-	-	-	-	-	W	-	-	-	W	W
August 1989	W	-	W	-	-	-	W	-	W	-	W	W
Vermont												
August 1990	-	-	-	-	-	-	-	-	-	W	NA	95.1
July 1990	-	-	-	-	-	-	-	-	-	W	NA	74.5
August 1989	-	-	-	-	-	-	-	-	-	90.4	81.5	70.4
Subdistrict 1B Average												
August 1990	-	W	87.8	W	W	89.0	W	98.2	88.7	NA	105.8	95.6
July 1990	-	W	70.8	W	W	73.0	W	82.8	72.6	88.9	94.0	76.5
August 1989	W	73.0	58.1	W	W	57.6	83.3	69.8	58.0	81.7	78.1	73.7
Delaware												
August 1990	-	-	-	-	-	-	-	-	-	NA	-	-
July 1990	-	-	-	-	-	-	-	-	-	NA	-	-
August 1989	W	-	W	-	-	-	W	-	W	W	W	W
District of Columbia												
August 1990	-	-	-	-	-	-	-	-	-	-	-	NA
July 1990	-	-	-	-	-	-	-	-	-	-	-	-
August 1989	-	W	-	-	-	-	-	W	-	W	68.9	67.3
Maryland												
August 1990	-	-	-	-	-	-	-	-	-	NA	-	NA
July 1990	-	W	-	-	-	-	-	W	-	NA	W	-
August 1989	-	61.8	57.3	-	-	W	-	61.8	57.1	81.0	76.0	64.4
New Jersey												
August 1990	-	-	-	-	-	-	-	-	-	-	W	-
July 1990	-	-	-	-	-	W	-	-	W	W	W	-
August 1989	W	-	55.5	W	-	W	W	-	55.4	83.1	78.1	71.9
New York												
August 1990	-	W	NA	W	W	W	W	W	91.2	NA	109.2	98.0
July 1990	-	W	NA	W	W	75.7	W	W	75.7	89.4	98.5	76.6
August 1989	W	W	62.1	W	W	55.5	83.7	72.4	58.9	81.2	76.8	79.2
Pennsylvania												
August 1990	-	W	86.3	W	W	W	W	W	87.3	NA	97.1	92.4
July 1990	-	W	69.2	W	W	W	W	W	69.9	NA	83.1	75.3
August 1989	W	W	60.4	W	W	60.9	W	68.5	60.8	82.5	85.5	67.6

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Gasoline Prices
by Seller Type (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												
August 1990	W	W	92.3	-	-	88.4	W	W	88.5	93.9	91.8	89.3
July 1990	-	W	W	W	W	W	W	W	69.5	78.5	83.3	71.6
August 1989	72.0	61.8	55.5	75.9	55.3	54.4	73.7	58.8	55.2	75.7	72.8	66.4
Florida												
August 1990	W	-	W	-	-	-	W	-	W	93.7	W	-
July 1990	-	-	W	-	-	-	-	-	W	79.0	W	-
August 1989	72.2	W	54.6	72.7	W	54.0	72.2	57.5	54.4	77.8	81.2	71.6
Georgia												
August 1990	-	-	-	-	-	W	-	-	W	NA	-	-
July 1990	-	-	-	-	-	-	-	-	-	83.6	-	W
August 1989	71.6	58.4	55.6	W	W	54.4	71.7	57.1	55.2	76.4	71.3	63.5
North Carolina												
August 1990	-	-	W	-	-	-	-	-	W	85.7	W	88.1
July 1990	-	-	-	-	-	-	-	-	-	72.8	W	72.2
August 1989	71.3	W	55.9	W	-	54.7	73.0	W	55.7	73.6	70.6	67.5
South Carolina												
August 1990	-	-	-	-	-	-	-	-	-	NA	-	W
July 1990	-	-	-	-	-	-	-	-	-	80.0	-	W
August 1989	70.5	W	56.0	W	W	54.5	75.6	57.7	55.6	74.2	71.6	62.9
Virginia												
August 1990	-	-	-	-	-	W	-	-	W	NA	93.4	91.4
July 1990	-	-	-	-	-	W	-	-	W	76.9	85.6	70.7
August 1989	75.0	W	55.9	W	W	54.7	76.6	W	55.5	73.9	73.1	62.2
West Virginia												
August 1990	-	W	W	-	-	W	-	W	W	NA	NA	-
July 1990	-	W	W	W	W	W	W	W	W	NA	NA	-
August 1989	W	W	W	W	-	W	77.0	W	60.0	79.8	79.4	65.4
PAD District II Average												
August 1990	97.8	88.9	87.0	96.0	87.3	86.9	96.7	86.8	86.9	100.3	101.4	91.6
July 1990	81.4	67.9	64.4	77.4	W	63.7	78.9	67.6	64.0	81.6	81.7	69.0
August 1989	78.2	61.7	58.1	75.0	59.4	57.2	76.6	61.4	57.7	78.6	78.4	63.7
Illinois												
August 1990	W	W	82.3	-	-	89.3	W	W	85.5	106.2	100.3	93.5
July 1990	W	W	64.5	-	-	64.5	W	W	64.5	84.4	85.0	71.3
August 1989	75.7	60.7	55.9	70.5	-	56.2	75.0	60.7	55.9	75.0	75.0	61.1
Indiana												
August 1990	-	W	W	-	-	89.4	-	W	89.4	108.4	102.8	99.2
July 1990	-	W	W	-	-	W	-	W	66.3	88.3	82.4	73.2
August 1989	71.0	W	56.2	-	-	57.1	71.0	W	56.6	77.6	71.3	60.3
Iowa												
August 1990	W	W	88.1	98.1	-	86.4	98.2	W	87.0	96.4	97.7	92.0
July 1990	W	W	64.4	79.3	-	63.7	79.1	W	63.9	81.0	79.5	71.1
August 1989	80.2	W	58.1	79.8	-	56.9	79.8	W	57.4	80.3	78.8	61.1
Kansas												
August 1990	W	W	86.9	96.8	-	85.7	97.2	W	85.9	98.6	101.2	88.3
July 1990	W	W	62.7	74.4	W	61.7	73.9	W	61.9	78.1	75.2	65.1
August 1989	73.5	W	57.7	72.8	W	55.0	72.9	55.1	55.6	74.5	76.6	60.0
Kentucky												
August 1990	-	W	W	W	-	W	W	W	96.6	104.5	W	94.5
July 1990	-	W	W	W	-	W	W	W	77.2	83.3	W	71.5
August 1989	78.2	W	59.2	82.4	-	61.9	81.1	W	59.9	75.3	72.5	68.7
Michigan												
August 1990	-	-	89.1	W	-	W	W	-	88.1	103.9	105.5	93.2
July 1990	-	W	67.4	W	-	W	W	W	66.8	85.2	84.3	73.8
August 1989	77.4	-	59.7	W	-	W	76.5	-	59.9	83.5	80.4	71.6
Minnesota												
August 1990	W	W	87.7	96.5	W	86.5	97.1	W	87.0	98.1	99.1	92.2
July 1990	W	68.0	65.6	82.2	W	64.3	83.5	68.0	64.9	85.6	84.6	69.9
August 1989	87.0	W	61.5	85.5	W	59.4	86.7	60.5	60.5	85.2	84.3	66.4
Missouri												
August 1990	W	W	87.0	W	-	85.8	94.0	W	86.3	99.2	W	89.0
July 1990	W	W	62.6	W	W	62.3	76.9	W	62.4	77.2	80.6	66.4
August 1989	71.3	W	56.7	70.8	-	55.5	71.0	W	56.1	74.6	80.8	64.1

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Gasoline Prices
by Seller Type (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												
August 1990	-	W	87.6	95.1	-	86.9	95.1	W	87.1	100.2	98.6	88.1
July 1990	-	W	64.3	75.6	-	63.2	75.6	W	63.5	80.0	80.4	66.9
August 1989	W	W	58.3	79.2	-	56.8	81.7	W	57.3	80.6	74.9	62.0
North Dakota												
August 1990	W	W	87.4	W	-	90.1	100.0	W	89.0	106.0	104.4	90.6
July 1990	88.2	W	66.3	W	-	65.1	86.8	W	65.5	87.1	86.5	68.6
August 1989	85.8	64.8	65.4	W	-	63.4	83.7	64.8	64.2	88.1	88.7	67.6
Ohio												
August 1990	-	W	W	-	W	W	-	W	87.9	102.9	100.8	92.8
July 1990	-	W	W	-	-	W	-	W	74.7	84.3	79.7	71.7
August 1989	82.3	W	58.7	W	W	57.7	82.0	72.9	58.5	76.8	80.1	61.6
Oklahoma												
August 1990	W	W	84.8	93.0	W	85.1	94.1	83.4	85.0	98.6	99.5	89.9
July 1990	W	60.9	61.9	71.2	W	61.5	72.8	61.0	61.7	75.2	73.6	66.4
August 1989	70.6	W	55.8	66.9	W	54.9	68.8	56.5	55.4	74.2	67.1	63.4
South Dakota												
August 1990	W	W	89.4	W	-	87.2	W	W	88.2	102.2	95.7	91.1
July 1990	W	W	68.4	W	-	66.2	W	W	67.1	86.1	82.7	69.9
August 1989	W	62.5	64.1	W	-	60.5	W	62.5	61.9	87.5	83.5	64.2
Tennessee												
August 1990	-	-	W	-	-	W	-	-	W	93.5	-	W
July 1990	-	-	-	-	-	W	-	-	W	75.7	-	68.7
August 1989	71.7	W	55.8	W	W	54.9	71.2	55.9	55.5	73.8	NA	59.5
Wisconsin												
August 1990	W	-	87.3	W	W	89.2	W	W	88.7	103.9	104.6	95.7
July 1990	W	-	65.3	W	W	64.6	W	W	64.8	85.3	84.1	71.0
August 1989	W	W	59.4	W	-	58.8	76.4	W	59.1	80.2	78.3	61.7
PAD District III Average												
August 1990	95.2	84.1	85.2	93.7	W	87.1	94.3	85.0	86.1	96.6	100.3	94.5
July 1990	82.9	69.1	68.6	78.3	71.2	68.5	79.9	70.0	68.6	82.0	83.6	75.6
August 1989	74.9	57.3	58.1	74.8	56.1	57.7	74.8	56.7	57.9	75.5	70.7	67.5
Alabama												
August 1990	W	-	-	-	-	-	W	-	-	W	-	W
July 1990	W	-	W	-	-	W	W	-	W	W	-	W
August 1989	79.7	W	55.8	W	-	55.3	80.4	W	55.6	79.4	75.7	68.1
Arkansas												
August 1990	-	W	87.9	W	-	84.5	W	W	86.3	101.0	W	85.6
July 1990	-	W	63.2	W	-	62.4	W	W	62.8	79.9	69.3	64.6
August 1989	72.8	W	56.9	W	W	55.5	73.5	56.7	56.3	70.3	72.5	62.9
Louisiana												
August 1990	-	-	W	-	-	W	-	-	83.7	95.1	NA	W
July 1990	-	-	-	-	-	73.7	-	-	73.7	84.0	NA	W
August 1989	77.1	W	55.1	W	W	56.6	76.7	W	55.7	74.9	70.4	74.0
Mississippi												
August 1990	-	-	-	-	-	-	-	-	-	97.6	NA	NA
July 1990	-	-	-	-	W	W	-	W	W	79.9	-	NA
August 1989	68.2	-	55.2	W	54.6	54.8	70.5	54.6	55.1	78.1	70.8	75.2
New Mexico												
August 1990	W	W	85.3	W	W	88.2	92.8	W	86.8	97.2	103.9	101.6
July 1990	W	W	72.1	W	W	71.0	78.9	W	71.5	83.7	84.8	80.8
August 1989	83.2	W	67.3	79.8	W	66.0	81.3	68.9	66.6	82.9	83.3	79.1
Texas												
August 1990	95.4	W	84.7	96.1	W	86.7	95.7	80.8	85.5	95.1	98.4	90.1
July 1990	83.4	W	67.3	79.6	W	67.1	81.7	68.6	67.2	82.7	83.5	74.2
August 1989	73.4	57.8	57.8	74.0	W	56.6	73.8	55.7	57.3	73.2	68.6	65.6
PAD District IV Average												
August 1990	92.6	81.3	85.3	91.2	W	80.0	91.8	81.9	85.6	97.9	99.3	90.6
July 1990	77.7	66.4	67.9	75.8	W	67.0	76.7	66.7	67.5	79.6	78.9	73.5
August 1989	78.4	64.8	65.4	77.4	W	63.3	78.0	66.6	64.5	83.8	80.1	69.2

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Gasoline Prices
by Seller Type (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												
August 1990	93.1	W	86.6	90.4	-	87.2	91.3	W	86.9	99.3	101.5	96.0
July 1990	W	W	65.5	75.6	-	64.9	76.6	W	65.3	78.5	79.8	73.2
August 1989	76.0	W	60.1	76.8	-	57.1	76.4	W	W	81.4	75.3	65.1
Idaho												
August 1990	W	W	84.1	W	-	84.7	97.7	W	84.3	98.0	97.0	91.4
July 1990	W	W	68.9	W	-	68.8	80.8	W	68.9	79.9	75.9	71.9
August 1989	W	W	69.4	W	-	68.5	82.1	W	68.5	84.4	80.7	69.9
Montana												
August 1990	W	W	87.1	W	-	87.8	W	W	87.4	100.4	101.8	92.3
July 1990	W	W	68.2	W	-	67.4	80.1	W	67.9	83.0	82.0	73.8
August 1989	W	W	66.5	W	-	66.7	W	W	66.6	85.2	85.2	74.8
Utah												
August 1990	88.5	W	82.8	W	W	83.9	88.7	W	83.3	90.8	93.6	NA
July 1990	74.6	W	68.8	W	W	67.0	74.6	67.6	68.0	77.5	76.3	74.6
August 1989	80.6	W	69.3	W	W	65.6	80.5	71.1	67.6	82.8	74.9	67.7
Wyoming												
August 1990	W	W	87.1	96.6	W	88.1	96.5	78.8	87.6	102.2	97.4	92.4
July 1990	W	W	69.0	76.1	W	67.8	76.8	67.2	68.4	83.1	78.7	72.9
August 1989	W	69.8	65.0	83.2	W	62.0	83.9	68.4	63.5	90.3	77.7	72.9
PAD District V Average												
August 1990	85.9	88.1	83.7	91.4	NA	87.0	87.9	NA	84.3	96.6	100.5	92.7
July 1990	79.9	78.8	75.7	82.4	NA	74.7	80.8	NA	75.5	85.8	86.8	79.4
August 1989	73.4	63.1	64.0	75.5	56.7	59.2	73.9	58.1	W	76.6	75.5	65.2
Alaska												
August 1990	W	W	98.0	112.5	W	95.9	108.8	94.9	97.0	NA	116.8	115.6
July 1990	W	W	88.3	NA	W	W	97.0	W	87.6	NA	104.4	NA
August 1989	W	W	80.8	99.9	W	81.7	97.0	82.4	81.2	102.6	101.0	94.7
Arizona												
August 1990	82.6	W	83.5	W	W	88.1	83.2	W	84.2	92.6	97.8	98.2
July 1990	77.2	W	74.7	W	-	75.2	77.6	W	74.8	82.3	88.8	83.4
August 1989	68.5	W	62.4	75.5	W	62.8	68.8	W	62.5	73.9	72.2	64.9
California												
August 1990	86.6	W	83.7	90.4	NA	85.5	88.4	NA	84.1	96.5	105.1	91.9
July 1990	81.7	W	76.9	81.6	NA	73.8	81.7	NA	76.2	87.3	88.0	79.3
August 1989	74.8	59.7	64.2	72.7	W	54.5	74.2	56.0	62.2	73.5	72.0	59.2
Hawaii												
August 1990	-	-	-	-	-	-	-	-	-	-	-	-
July 1990	-	-	-	-	-	-	-	-	-	-	-	-
August 1989	W	W	87.5	W	W	W	W	W	87.4	W	94.8	86.6
Nevada												
August 1990	W	W	83.2	W	W	NA	84.1	W	85.6	91.2	103.4	95.3
July 1990	W	W	74.4	W	W	NA	77.2	W	75.2	81.4	85.4	74.4
August 1989	72.1	W	62.8	W	W	63.1	72.0	63.9	62.9	80.6	74.3	62.8
Oregon												
August 1990	90.3	W	83.7	W	W	85.4	90.8	89.7	83.9	99.3	95.2	93.1
July 1990	81.2	W	74.9	W	W	73.9	81.5	79.0	74.8	86.0	85.6	78.2
August 1989	80.4	W	65.5	W	W	64.6	80.5	W	65.4	80.8	77.0	72.7
Washington												
August 1990	85.4	W	83.3	W	-	86.6	88.1	W	83.7	94.9	96.4	90.0
July 1990	78.0	W	73.7	W	-	73.6	80.1	W	73.7	83.4	84.1	80.3
August 1989	69.9	64.4	61.8	W	W	63.7	71.9	64.0	62.0	77.4	77.6	68.5

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 Type**
(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												
August 1990	88.6	82.3	82.9	90.5	82.9	82.4	89.1	82.4	82.8	94.5	95.4	85.7
July 1990	76.5	67.7	67.7	75.8	65.1	63.3	76.3	67.0	66.5	79.2	77.9	68.5
August 1989	73.3	60.6	60.1	72.8	57.8	55.1	73.2	59.7	58.9	76.5	70.2	61.4
PAD District I Average												
August 1990	85.5	81.0	82.6	87.3	84.6	85.4	85.8	82.0	83.0	92.8	91.2	86.9
July 1990	74.7	67.6	68.0	74.7	67.2	63.1	74.7	67.5	67.1	79.0	76.0	69.5
August 1989	73.8	58.7	60.4	75.3	53.7	53.1	74.0	56.8	59.3	77.1	69.1	62.6
Subdistrict 1A Average												
August 1990	89.1	83.8	85.0	-	W	84.4	89.1	84.1	85.0	97.0	92.0	84.9
July 1990	78.9	71.8	72.3	-	W	61.5	78.9	70.1	69.9	81.7	77.1	69.1
August 1989	83.1	64.2	64.4	-	W	54.1	83.1	61.2	63.3	82.9	78.3	61.3
Connecticut												
August 1990	W	82.4	84.1	-	W	W	W	82.6	84.2	95.8	95.9	83.7
July 1990	W	74.6	71.6	-	W	W	W	74.2	71.4	80.2	82.7	69.3
August 1989	W	64.4	65.5	-	W	W	W	62.4	65.3	87.7	88.8	59.1
Maine												
August 1990	W	85.2	82.7	-	W	W	W	82.5	82.8	100.2	92.3	85.1
July 1990	W	69.6	68.4	-	W	W	W	68.8	68.2	88.4	77.8	72.2
August 1989	W	71.6	57.5	-	W	W	W	69.3	57.4	84.5	73.2	65.3
Massachusetts												
August 1990	90.1	85.7	86.6	-	W	W	90.1	W	86.2	95.2	89.0	83.1
July 1990	79.4	71.0	74.3	-	W	60.6	79.4	69.1	69.2	77.2	72.4	67.0
August 1989	81.0	62.2	66.5	-	W	54.0	81.0	59.4	64.0	79.8	66.7	58.6
New Hampshire												
August 1990	W	W	84.8	-	W	W	W	80.4	84.8	98.1	95.5	88.5
July 1990	78.2	W	72.8	-	W	W	78.2	67.3	72.6	83.4	80.8	73.8
August 1989	83.0	62.5	66.2	-	W	W	83.0	60.3	65.6	79.9	67.4	68.1
Rhode Island												
August 1990	90.6	W	85.1	-	W	W	90.6	W	85.0	94.8	W	84.1
July 1990	79.4	76.3	72.0	-	W	W	79.4	70.9	71.1	79.7	77.3	70.7
August 1989	86.3	69.1	63.7	-	W	W	86.3	63.7	63.4	76.8	66.0	56.5
Vermont												
August 1990	W	W	W	-	-	W	W	W	85.5	99.8	94.2	92.1
July 1990	W	W	W	-	-	W	W	W	72.6	86.3	81.2	77.5
August 1989	W	W	W	-	-	W	W	W	64.9	87.9	77.1	72.3
Subdistrict 1B Average												
August 1990	85.6	83.6	82.7	88.8	85.1	87.8	86.2	84.1	83.3	94.2	91.2	86.2
July 1990	75.3	70.4	69.9	76.3	69.1	64.4	75.5	69.9	68.8	80.9	75.7	68.6
August 1989	75.3	60.7	63.3	75.6	57.6	53.5	75.4	59.7	61.6	78.3	67.2	61.5
Delaware												
August 1990	W	W	79.6	-	-	W	W	W	79.7	90.2	78.0	83.7
July 1990	W	73.3	68.9	-	-	W	W	73.3	68.5	77.6	73.3	70.3
August 1989	79.9	W	62.9	-	-	W	79.9	W	62.7	70.6	72.2	62.9
District of Columbia												
August 1990	-	79.0	82.3	-	-	-	-	79.0	82.3	W	NA	NA
July 1990	-	68.2	76.0	-	-	W	-	68.2	76.0	W	72.9	W
August 1989	-	55.0	72.1	-	-	W	-	55.0	72.1	W	62.5	59.3
Maryland												
August 1990	-	80.6	81.9	W	W	81.9	W	80.7	81.9	90.9	90.0	85.8
July 1990	-	66.7	72.0	W	W	71.3	W	66.7	71.9	80.9	75.2	71.6
August 1989	-	56.3	66.6	-	W	68.4	-	56.3	66.8	78.8	65.8	64.1
New Jersey												
August 1990	85.2	83.6	82.0	W	W	89.4	85.7	81.7	83.8	92.0	94.2	83.0
July 1990	77.2	67.0	69.7	W	W	63.1	77.6	66.8	67.1	79.9	79.2	64.5
August 1989	79.5	57.8	63.7	W	W	50.4	79.6	57.4	59.4	76.0	69.1	56.4
New York												
August 1990	87.4	87.1	84.2	W	W	88.0	87.1	85.0	84.4	98.7	91.9	88.4
July 1990	76.6	74.9	71.8	W	W	66.5	75.9	71.8	71.3	84.1	77.9	74.2
August 1989	76.6	71.4	66.3	W	W	55.1	76.5	65.2	65.0	81.2	65.4	67.4
Pennsylvania												
August 1990	84.0	85.5	82.4	92.0	87.9	86.4	85.5	87.0	82.8	91.5	92.1	88.4
July 1990	72.8	72.5	67.5	W	70.6	65.3	73.9	71.1	67.2	77.6	72.7	70.4
August 1989	71.8	62.0	59.2	74.2	58.4	54.8	72.3	59.9	58.7	75.1	69.7	61.3

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller Type (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
Subdistrict IC Average												
August 1990	85.0	79.5	81.9	86.1	83.7	82.9	85.2	80.5	82.0	90.4	91.0	88.2
July 1990	73.8	65.3	65.2	73.5	65.6	62.1	73.8	65.4	64.7	77.0	75.9	71.1
August 1989	72.0	56.8	56.5	75.1	W	52.5	72.5	55.0	56.0	75.2	68.9	64.6
Florida												
August 1990	84.2	81.0	81.4	90.5	W	82.6	84.9	82.2	81.5	91.6	91.1	87.8
July 1990	74.7	65.5	66.5	77.1	W	62.4	75.0	65.4	65.7	79.3	74.7	71.7
August 1989	71.2	57.3	57.0	75.5	W	52.1	71.5	53.4	56.7	76.5	68.9	67.4
Georgia												
August 1990	84.6	78.5	82.1	W	W	83.2	84.8	78.7	82.3	88.7	89.9	88.6
July 1990	71.8	64.5	64.0	72.1	W	61.3	71.8	64.5	63.6	74.7	71.6	69.4
August 1989	70.8	57.3	54.7	W	W	52.4	70.8	55.9	54.4	76.0	68.6	61.6
North Carolina												
August 1990	85.0	77.6	82.2	W	W	84.4	85.0	77.6	82.4	88.6	90.8	88.3
July 1990	73.6	64.0	63.8	W	W	61.8	73.3	64.0	63.6	75.3	75.9	71.8
August 1989	69.8	54.7	54.7	W	W	52.8	70.7	54.7	54.5	72.4	68.0	66.7
South Carolina												
August 1990	84.3	81.5	82.1	W	-	79.8	84.4	81.5	81.7	94.3	92.9	88.2
July 1990	69.9	66.2	64.0	W	-	61.6	70.1	66.2	63.6	79.8	76.4	73.1
August 1989	68.6	59.7	54.9	W	W	52.6	70.9	58.3	54.6	73.5	68.2	62.4
Virginia												
August 1990	85.0	77.0	81.9	W	W	83.9	84.7	78.0	82.0	89.8	91.2	86.6
July 1990	76.3	65.0	66.5	W	W	62.4	75.7	64.3	66.1	76.6	77.3	71.3
August 1989	76.0	56.5	59.1	78.7	54.4	53.1	76.5	56.1	58.5	75.2	69.8	62.3
West Virginia												
August 1990	92.9	91.1	83.1	88.2	W	85.5	92.7	90.8	83.5	95.5	89.3	89.4
July 1990	81.1	72.7	67.4	73.2	W	64.9	80.8	72.5	66.8	80.4	75.8	72.8
August 1989	80.7	62.7	61.4	73.6	W	55.4	80.4	60.9	60.8	75.2	71.4	65.9
PAD District II Average												
August 1990	91.0	81.7	84.5	90.2	86.6	84.2	90.7	81.9	84.4	95.3	96.9	87.2
July 1990	74.6	65.6	64.4	71.9	65.2	61.8	73.8	65.6	63.6	77.2	76.5	66.2
August 1989	71.1	61.7	58.2	70.1	56.0	55.6	70.8	61.4	57.5	74.9	69.1	61.2
Illinois												
August 1990	89.6	76.4	83.3	W	-	84.6	89.2	76.4	83.6	94.6	94.3	88.3
July 1990	77.0	65.3	65.4	W	-	61.1	75.2	65.3	64.3	74.9	75.5	64.7
August 1989	72.4	61.6	58.3	W	-	54.6	71.8	61.6	58.1	73.2	68.5	58.9
Indiana												
August 1990	89.5	84.7	84.7	W	W	79.6	89.2	84.6	83.3	95.3	95.0	83.9
July 1990	71.5	65.4	64.0	W	W	62.9	71.0	65.2	63.8	77.8	72.5	65.6
August 1989	64.6	57.7	56.1	W	W	54.9	64.3	56.9	55.9	71.3	59.4	57.0
Iowa												
August 1990	97.5	86.2	87.0	93.7	-	86.0	94.6	86.2	86.6	94.2	96.8	89.5
July 1990	78.5	W	64.2	73.7	-	61.9	74.7	W	63.2	78.1	80.4	68.6
August 1989	80.0	56.0	58.6	75.0	-	55.5	76.2	56.0	57.2	78.9	78.3	61.1
Kansas												
August 1990	95.9	82.8	85.1	93.3	W	82.8	94.2	83.0	83.5	95.7	104.3	84.6
July 1990	74.6	62.7	62.2	71.7	W	60.1	72.7	62.4	60.7	74.8	74.9	64.4
August 1989	69.6	53.7	57.6	70.8	W	55.0	70.3	56.6	55.8	73.1	72.3	60.9
Kentucky												
August 1990	92.9	87.5	86.4	93.2	W	83.5	92.9	87.5	86.2	96.1	92.1	91.7
July 1990	77.2	69.6	66.6	76.0	-	65.3	77.0	69.6	66.5	78.9	73.4	71.3
August 1989	72.2	60.5	57.5	72.1	W	55.3	72.2	60.4	57.3	73.8	69.8	65.8
Michigan												
August 1990	89.5	75.9	84.9	W	W	86.1	89.7	75.9	85.1	94.8	93.2	88.4
July 1990	72.8	68.0	65.2	W	-	63.1	72.2	68.0	64.8	77.1	74.8	69.9
August 1989	70.2	63.1	59.9	W	-	57.0	70.3	63.1	59.4	75.3	72.5	65.4
Minnesota												
August 1990	94.8	81.6	85.7	93.2	W	87.8	94.5	82.0	86.6	98.0	102.5	91.8
July 1990	80.8	63.8	65.3	78.5	W	63.3	80.3	63.8	64.5	84.3	82.6	67.8
August 1989	84.7	61.5	62.6	82.8	W	58.2	84.3	61.4	60.8	84.5	77.0	64.8
Missouri												
August 1990	91.0	69.2	84.0	90.4	W	83.9	90.7	69.4	84.0	92.3	98.2	87.9
July 1990	75.6	66.7	63.7	72.3	W	61.0	74.0	66.3	62.7	73.2	77.1	65.2
August 1989	68.9	65.5	56.9	67.2	W	54.1	68.2	63.8	55.8	71.8	76.0	60.8

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller Type (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												
August 1990	W	83.7	87.1	83.2	-	86.1	84.2	83.7	86.6	100.2	101.0	86.7
July 1990	W	61.9	83.9	73.7	-	82.0	76.2	61.9	83.0	79.4	78.9	65.7
August 1989	84.6	W	58.1	77.0	-	55.9	80.5	W	57.0	80.7	74.3	61.2
North Dakota												
August 1990	103.5	W	88.1	W	-	88.3	103.2	W	88.2	103.7	101.3	86.3
July 1990	89.2	W	67.0	W	-	64.2	88.7	W	65.6	87.4	83.0	65.8
August 1989	82.9	63.0	67.9	W	-	61.3	82.0	63.0	64.6	87.7	83.9	64.6
Ohio												
August 1990	91.5	85.0	84.5	W	W	83.4	91.2	85.1	84.4	92.1	96.3	87.9
July 1990	74.1	70.1	64.9	W	W	63.4	73.7	70.1	64.8	75.1	77.6	67.3
August 1989	70.7	66.3	59.0	W	W	64.2	70.3	65.7	58.6	71.0	67.7	60.1
Oklahoma												
August 1990	93.5	83.1	81.3	90.7	W	79.9	92.7	83.5	80.6	95.5	95.6	80.9
July 1990	72.3	58.9	60.2	70.5	W	60.1	71.7	58.9	60.2	72.4	71.1	61.7
August 1989	66.2	55.0	55.4	66.6	W	54.3	66.3	55.2	55.0	73.6	68.3	59.2
South Dakota												
August 1990	W	W	87.4	W	W	85.8	95.2	W	86.7	103.8	97.5	88.3
July 1990	W	W	67.2	W	W	63.8	80.1	W	65.5	87.4	84.9	67.8
August 1989	W	60.3	63.8	W	W	58.1	W	60.2	60.6	89.0	82.0	64.6
Tennessee												
August 1990	85.7	78.3	83.4	87.5	W	84.4	86.3	80.1	83.6	90.8	93.4	88.0
July 1990	73.0	64.7	64.4	73.1	W	61.8	73.0	64.5	63.9	74.5	74.4	68.9
August 1989	69.5	55.8	54.9	71.8	W	52.5	70.3	56.6	54.4	71.9	NA	59.5
Wisconsin												
August 1990	92.6	85.2	84.2	W	W	86.1	91.4	85.3	84.9	96.0	94.7	84.5
July 1990	73.4	64.0	62.7	W	W	62.2	72.4	63.7	62.5	77.2	73.6	65.1
August 1989	70.3	58.2	57.7	W	W	56.3	69.9	58.3	57.3	72.6	75.3	61.7
PAD District III Average												
August 1990	87.1	80.7	79.9	88.9	81.0	78.1	87.7	80.8	79.1	93.0	92.4	79.5
July 1990	77.3	64.7	62.9	76.3	63.9	60.7	76.9	64.5	62.0	78.9	74.6	65.1
August 1989	73.3	57.2	55.0	71.8	54.3	53.8	72.8	56.4	54.5	74.3	68.9	58.8
Alabama												
August 1990	87.5	79.9	82.8	87.3	79.1	84.4	87.4	79.8	83.2	97.1	93.0	89.6
July 1990	74.5	64.6	64.1	74.0	59.7	62.8	74.4	64.5	63.8	81.4	75.8	72.2
August 1989	76.8	55.5	55.0	79.8	53.8	53.3	77.6	55.4	54.6	78.7	73.6	66.5
Arkansas												
August 1990	92.7	90.0	84.1	93.1	W	83.5	93.0	89.8	83.9	96.7	NA	89.3
July 1990	77.0	65.4	63.5	75.2	W	61.2	75.6	66.1	62.4	77.4	73.1	68.2
August 1989	76.3	56.5	55.3	W	W	53.2	72.4	57.8	54.4	69.5	71.5	62.0
Louisiana												
August 1990	85.9	78.5	80.0	89.3	90.7	80.6	86.4	79.7	80.2	89.7	94.6	78.8
July 1990	75.7	W	62.6	74.3	W	60.6	75.4	63.3	61.9	77.0	73.7	71.6
August 1989	71.9	52.7	54.4	71.0	64.6	53.8	71.8	54.2	54.1	73.6	63.7	68.9
Mississippi												
August 1990	88.2	81.5	82.7	89.9	W	83.9	88.7	81.4	82.9	92.5	93.3	87.3
July 1990	74.1	65.6	63.2	74.2	64.1	61.1	74.1	65.2	62.6	79.2	78.4	66.4
August 1989	70.2	56.5	53.8	W	53.7	52.7	69.5	55.8	53.7	74.7	71.2	67.8
New Mexico												
August 1990	92.5	84.5	84.6	W	88.4	86.6	93.5	85.4	85.4	98.1	100.9	97.8
July 1990	79.6	72.4	70.9	W	72.5	69.9	78.9	72.5	70.4	83.7	84.0	80.7
August 1989	83.8	70.0	66.9	81.9	W	65.2	82.8	69.1	66.1	84.3	81.5	79.9
Texas												
August 1990	87.0	80.5	78.2	87.7	77.9	76.2	87.2	79.9	77.3	91.0	87.2	78.9
July 1990	78.1	64.3	62.3	76.7	61.5	60.0	77.5	63.6	61.2	78.1	73.0	62.6
August 1989	72.9	57.2	54.6	70.9	51.8	53.2	72.2	55.4	54.0	72.3	68.1	55.7
PAD District IV Average												
August 1990	92.4	81.3	84.9	92.7	W	86.7	92.6	81.4	85.5	98.1	97.0	90.4
July 1990	77.3	64.8	67.0	77.0	W	66.0	77.2	65.3	66.6	79.7	77.1	73.1
August 1989	79.0	62.0	64.6	78.8	W	61.8	78.9	62.9	63.5	84.5	78.3	68.4

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller Type (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
Colorado												
August 1990	93.1	W	85.4	92.4	-	88.0	92.8	W	86.4	100.7	97.7	95.9
July 1990	77.8	W	85.0	77.0	-	83.8	77.4	W	84.8	78.5	78.8	72.4
August 1989	77.6	80.3	60.2	78.3	-	55.8	76.0	60.3	58.4	82.9	74.3	63.7
Idaho												
August 1990	W	W	84.5	W	-	85.6	98.8	W	84.8	98.1	95.9	91.4
July 1990	W	W	88.7	W	-	88.7	81.5	W	88.7	80.2	75.3	71.8
August 1989	W	70.1	68.7	W	-	68.8	82.9	70.1	68.7	84.8	79.9	70.7
Montana												
August 1990	W	W	86.8	95.0	-	87.7	96.5	W	87.1	101.2	99.5	92.2
July 1990	W	W	87.1	78.7	-	86.2	79.8	W	86.8	83.4	80.3	72.2
August 1989	W	W	65.5	W	-	66.2	83.3	W	65.7	84.4	85.6	72.8
Utah												
August 1990	88.7	80.5	82.7	W	W	84.3	88.9	81.1	83.3	NA	91.1	NA
July 1990	74.7	78.1	88.0	W	W	66.5	74.8	67.9	67.4	78.6	78.0	74.6
August 1989	80.6	70.1	68.2	W	W	65.5	80.5	70.2	67.0	82.7	75.0	67.4
Wyoming												
August 1990	96.8	85.4	87.0	96.8	W	87.5	96.7	85.7	87.2	101.3	96.1	92.1
July 1990	78.8	67.8	68.5	76.0	W	66.8	76.9	68.0	67.7	82.9	78.0	72.8
August 1989	W	68.9	64.4	83.5	W	61.3	84.2	68.9	62.8	81.2	75.8	71.9
PAD District V Average												
August 1990	88.8	87.8	83.2	96.0	NA	83.5	90.8	84.8	83.3	98.9	99.1	88.2
July 1990	83.7	78.2	76.9	86.6	NA	73.2	84.5	88.9	76.1	88.9	86.1	77.4
August 1989	77.2	62.3	66.4	80.5	60.9	57.3	77.8	61.4	64.7	80.1	75.5	62.3
Alaska												
August 1990	W	W	95.9	112.7	W	93.7	111.1	94.7	94.7	135.7	123.5	113.8
July 1990	W	W	85.9	104.4	W	82.3	102.4	86.9	84.1	110.0	105.8	97.1
August 1989	W	W	79.9	101.0	W	78.6	96.8	W	79.2	103.0	104.1	98.3
Arizona												
August 1990	84.3	W	82.8	95.3	W	88.6	84.0	W	83.6	94.8	98.5	95.7
July 1990	79.8	W	75.3	W	W	75.1	80.2	77.9	75.3	84.3	86.0	82.6
August 1989	70.6	68.4	62.4	W	W	59.6	70.8	68.6	61.8	78.2	72.4	65.1
California												
August 1990	89.3	87.7	82.9	95.0	NA	81.7	91.1	83.2	82.7	100.4	99.6	86.1
July 1990	85.0	77.4	77.5	85.3	NA	72.4	85.1	NA	76.3	91.5	85.9	75.9
August 1989	79.2	58.9	66.9	77.5	W	54.1	78.9	57.9	64.4	79.1	72.0	58.6
Hawaii												
August 1990	W	W	93.6	W	W	W	W	W	93.6	W	112.5	100.4
July 1990	W	W	91.6	W	W	W	W	W	91.8	W	105.8	95.2
August 1989	W	81.9	88.5	W	W	W	W	76.5	88.1	W	98.9	87.8
Nevada												
August 1990	85.7	90.2	83.5	W	W	NA	87.3	89.3	85.4	95.5	104.5	92.8
July 1990	78.6	77.3	74.6	W	W	NA	80.2	74.5	75.1	85.0	84.7	77.5
August 1989	76.2	68.1	64.4	W	60.4	63.0	76.2	66.6	64.0	82.5	73.7	62.7
Oregon												
August 1990	94.5	W	83.3	W	W	85.6	94.8	86.2	83.5	99.9	96.9	93.5
July 1990	85.6	W	75.1	W	W	73.8	85.6	78.0	74.9	88.6	86.6	79.4
August 1989	82.9	68.3	68.0	W	W	63.4	83.1	67.6	67.4	82.3	78.4	72.8
Washington												
August 1990	89.1	85.8	82.9	W	-	87.8	90.9	65.8	83.3	98.1	95.0	89.6
July 1990	81.3	77.3	73.7	W	-	73.7	82.6	77.3	73.7	86.3	84.3	80.9
August 1989	71.5	64.8	61.8	W	W	63.7	73.0	64.3	62.0	79.7	74.7	68.4

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 Type**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
U.S. Average												
August 1990	95.8	88.8	87.2	96.0	88.7	87.6	95.9	88.8	87.2	100.9	87.9	92.6
July 1990	84.2	74.9	73.0	82.3	75.7	87.2	83.9	75.1	72.5	85.8	82.3	77.1
August 1989	80.5	69.1	66.4	76.3	65.9	60.1	80.3	66.8	66.2	81.6	72.6	71.0
PAD District I Average												
August 1990	94.8	86.3	87.1	95.3	89.5	87.4	94.8	87.0	87.1	100.9	96.8	93.2
July 1990	84.8	72.3	74.0	80.8	74.2	88.7	84.4	72.8	73.6	87.6	83.0	78.5
August 1989	83.6	66.5	67.8	78.2	59.9	62.6	83.5	64.9	67.6	83.4	72.6	71.5
Subdistrict IA Average												
August 1990	96.7	90.4	89.7	-	W	W	96.7	90.1	89.7	105.7	98.9	93.2
July 1990	87.3	76.3	78.1	-	W	W	87.3	74.3	77.7	91.4	82.8	78.6
August 1989	92.0	68.1	71.4	-	W	W	92.0	64.5	71.1	89.6	76.1	70.7
Connecticut												
August 1990	W	90.5	89.3	-	-	W	W	90.5	89.3	105.1	101.8	93.9
July 1990	W	78.2	77.7	-	-	W	W	78.2	77.5	91.3	85.4	78.4
August 1989	W	68.8	72.9	-	-	W	W	68.8	72.9	95.6	81.6	72.7
Maine												
August 1990	W	W	86.4	-	-	W	W	W	86.4	107.9	97.5	90.1
July 1990	W	-	73.0	-	-	W	W	-	72.8	97.1	82.0	77.3
August 1989	W	W	62.9	-	-	W	W	W	62.9	89.9	74.8	71.3
Massachusetts												
August 1990	98.1	92.3	91.1	-	W	W	98.1	90.5	91.1	104.7	99.0	92.5
July 1990	88.5	75.7	80.3	-	W	W	88.5	72.8	79.8	87.7	82.3	78.3
August 1989	89.9	67.0	73.3	-	W	W	89.9	63.7	72.8	87.8	74.2	69.0
New Hampshire												
August 1990	W	W	89.1	-	W	W	W	W	89.1	106.6	102.3	95.8
July 1990	W	W	77.0	-	W	W	W	W	77.0	92.8	83.6	80.6
August 1989	91.9	W	70.3	-	W	W	91.9	W	70.2	87.1	71.3	73.6
Rhode Island												
August 1990	97.7	-	89.8	-	-	W	97.7	-	89.7	105.0	W	90.5
July 1990	87.8	-	77.2	-	-	W	87.8	-	76.7	91.4	W	75.7
August 1989	94.2	W	70.0	-	W	W	94.2	63.9	69.3	83.5	76.9	64.8
Vermont												
August 1990	W	-	W	-	-	W	W	-	W	105.9	99.2	98.7
July 1990	W	-	W	-	-	W	W	-	77.2	93.4	84.4	83.4
August 1989	W	W	W	-	-	W	W	W	W	90.5	82.5	74.9
Subdistrict IB Average												
August 1990	95.3	86.6	87.5	W	90.3	88.6	95.4	87.8	87.5	101.9	95.7	93.2
July 1990	86.3	74.4	76.2	W	76.3	72.4	86.2	75.1	76.0	89.1	83.6	79.0
August 1989	87.0	67.5	70.1	W	59.9	64.2	86.7	65.4	69.9	82.5	75.1	70.7
Delaware												
August 1990	W	W	84.3	-	-	W	W	W	84.4	98.0	93.0	88.9
July 1990	W	W	73.7	-	-	W	W	W	73.3	86.3	80.7	75.6
August 1989	97.5	-	68.1	-	-	W	97.5	-	67.8	79.2	74.9	70.4
District of Columbia												
August 1990	-	83.4	87.4	-	-	-	-	83.4	87.4	W	NA	W
July 1990	-	W	81.0	-	-	-	-	W	81.0	W	W	W
August 1989	-	W	77.4	-	-	-	-	W	W	-	W	W
Maryland												
August 1990	-	84.0	86.7	W	-	86.5	W	84.0	86.7	98.2	92.8	91.4
July 1990	-	70.9	77.7	W	-	76.1	W	70.9	77.5	87.8	82.5	78.1
August 1989	-	W	74.3	-	-	74.4	-	W	W	84.2	71.2	72.3
New Jersey												
August 1990	96.1	88.3	87.8	-	W	W	96.1	88.4	87.9	103.9	103.6	92.7
July 1990	88.9	75.7	77.8	-	W	W	88.9	75.6	77.4	90.9	92.0	80.0
August 1989	93.2	66.3	72.1	-	-	W	93.2	66.3	71.7	87.7	81.7	70.2
New York												
August 1990	95.8	88.7	89.0	W	W	W	95.7	85.9	89.1	107.2	95.1	94.3
July 1990	87.2	83.9	78.8	W	W	W	86.7	79.7	W	92.8	80.4	81.9
August 1989	87.8	79.4	74.9	W	W	W	87.1	73.4	74.8	84.8	70.4	75.3
Pennsylvania												
August 1990	94.2	87.5	87.1	100.0	W	91.1	94.5	91.2	87.3	100.9	94.8	93.6
July 1990	84.2	76.2	72.7	W	W	89.7	84.3	76.5	72.5	87.7	80.8	77.5
August 1989	83.5	66.2	63.6	W	W	57.1	83.4	63.3	63.2	80.0	76.4	67.0

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices
by Seller Type (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
Subdistrict 10 Average												
August 1990	94.3	85.8	88.1	95.0	88.0	88.3	94.4	85.0	88.1	98.6	98.7	93.2
July 1990	83.8	70.3	71.2	79.8	71.7	66.1	83.3	70.5	70.9	85.7	82.5	78.2
August 1989	81.0	65.1	64.2	74.6	W	57.2	80.9	64.7	64.1	81.9	70.2	72.4
Florida												
August 1990	93.8	88.8	88.0	W	W	84.0	94.2	87.0	85.9	100.4	97.1	93.5
July 1990	84.4	71.8	73.5	W	W	65.8	83.6	71.7	73.0	87.5	84.2	77.7
August 1989	80.3	63.0	67.5	W	-	56.8	80.2	63.0	67.4	84.0	73.3	73.0
Georgia												
August 1990	93.8	94.0	86.2	W	-	86.7	93.7	84.0	86.2	96.5	96.1	92.2
July 1990	81.9	68.2	69.5	W	-	65.7	81.7	68.2	69.1	82.7	78.3	75.1
August 1989	78.7	63.7	60.7	W	-	57.0	78.5	63.7	60.7	80.8	79.1	72.4
North Carolina												
August 1990	94.1	84.5	86.2	W	-	88.1	94.0	84.5	86.3	97.3	96.6	93.9
July 1990	83.1	68.6	68.7	W	-	66.3	83.0	68.6	68.6	84.7	82.4	80.8
August 1989	78.0	65.5	59.7	W	-	W	78.0	65.5	59.6	79.5	69.2	75.4
South Carolina												
August 1990	93.1	84.0	86.1	W	-	85.7	93.0	84.0	86.1	104.9	98.0	94.6
July 1990	78.8	70.1	69.0	W	-	65.8	78.7	70.1	68.7	91.4	83.0	77.8
August 1989	74.9	66.9	60.5	-	-	W	74.9	66.9	60.5	75.2	65.0	68.3
Virginia												
August 1990	95.3	84.8	86.3	W	W	87.4	94.6	84.1	86.4	97.0	97.3	92.2
July 1990	87.2	W	72.7	W	W	66.8	86.3	68.6	72.5	84.5	84.9	77.6
August 1989	85.9	64.7	67.1	-	W	56.8	85.9	63.1	67.0	83.0	72.8	72.5
West Virginia												
August 1990	103.7	95.1	85.9	W	W	W	103.7	94.7	88.0	101.9	97.8	94.8
July 1990	92.7	78.7	73.5	W	W	W	92.7	77.0	73.2	89.5	81.3	79.0
August 1989	90.3	72.0	66.7	W	W	W	90.3	66.7	66.5	81.9	77.0	70.9
PAD District II Average												
August 1990	98.5	92.3	89.1	96.2	W	87.6	98.2	92.4	89.0	101.8	100.6	92.7
July 1990	83.3	76.5	72.0	79.8	W	66.7	82.9	76.3	71.6	83.0	82.5	74.0
August 1989	78.5	71.8	65.1	76.7	W	58.5	78.4	71.4	64.8	77.7	72.0	68.8
Illinois												
August 1990	97.4	82.5	88.6	W	-	89.4	97.3	82.5	88.6	100.0	96.8	92.8
July 1990	87.1	W	75.8	W	-	67.5	86.2	W	75.5	79.8	82.0	72.2
August 1989	82.5	67.4	68.3	W	-	60.1	82.3	67.4	68.2	78.1	77.8	70.9
Indiana												
August 1990	96.6	93.5	89.0	W	-	90.4	96.4	93.5	89.2	106.9	99.0	93.3
July 1990	79.1	W	71.0	W	-	67.4	78.9	W	70.6	85.4	79.2	73.7
August 1989	70.5	W	63.4	W	-	58.7	70.4	W	62.6	69.7	W	60.4
Iowa												
August 1990	W	-	91.1	W	-	-	100.4	-	91.1	97.7	W	89.8
July 1990	W	-	71.6	W	-	-	83.7	-	71.6	79.5	W	73.3
August 1989	W	-	67.0	W	-	-	W	-	67.0	W	W	W
Kansas												
August 1990	103.2	W	88.1	W	-	W	102.7	W	83.8	102.9	-	W
July 1990	83.1	-	70.3	W	-	65.0	82.9	-	70.2	82.9	-	W
August 1989	77.2	W	W	W	-	57.7	77.4	W	66.8	W	-	W
Kentucky												
August 1990	100.5	95.2	89.5	100.8	-	87.3	100.5	95.2	89.4	101.4	98.3	95.9
July 1990	85.3	79.7	70.8	78.7	-	67.1	85.0	79.7	70.6	85.4	77.0	78.9
August 1989	78.6	W	61.5	W	-	57.8	78.6	W	61.4	75.3	69.4	69.9
Michigan												
August 1990	95.9	89.3	89.9	W	-	88.0	95.9	89.3	89.9	101.1	98.6	92.1
July 1990	80.5	72.6	72.4	W	-	67.9	80.1	72.6	72.3	83.6	81.0	74.6
August 1989	77.7	66.5	67.2	W	-	60.7	77.7	66.5	67.2	80.6	77.3	69.4
Minnesota												
August 1990	101.6	-	92.5	W	-	-	101.3	-	92.5	W	NA	NA
July 1990	88.0	-	74.4	W	-	-	87.6	-	74.4	W	NA	NA
August 1989	NA	-	77.1	W	-	-	NA	-	77.1	97.6	-	W
Missouri												
August 1990	97.4	W	87.7	W	-	86.6	97.5	W	87.6	99.7	W	92.6
July 1990	85.0	-	72.4	W	-	65.3	84.9	-	71.7	82.6	W	69.6
August 1989	80.2	W	67.2	W	-	57.0	80.1	W	66.8	84.8	W	72.4

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices
by Seller Type (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
Nebraska												
August 1990	W	-	W	-	-	-	W	-	W	W	-	-
July 1990	W	-	W	-	-	-	W	-	W	W	-	-
August 1989	W	-	W	-	-	-	W	-	W	-	W	-
North Dakota												
August 1990	W	W	W	-	-	-	W	W	W	W	102.5	W
July 1990	W	W	W	-	-	-	W	W	W	W	89.9	W
August 1989	W	-	W	-	-	-	W	-	W	W	W	W
Ohio												
August 1990	99.6	93.0	90.7	W	W	84.2	99.5	93.2	90.5	99.3	100.5	93.0
July 1990	83.1	77.2	71.9	W	W	W	83.0	77.9	71.7	81.3	88.7	72.8
August 1989	78.8	72.8	65.2	W	W	59.3	78.8	72.7	65.0	76.0	75.7	65.9
Oklahoma												
August 1990	99.0	W	88.0	W	-	92.2	98.5	W	87.8	98.0	W	103.2
July 1990	77.0	W	65.8	W	-	W	77.4	W	65.8	76.8	W	78.7
August 1989	71.1	-	57.8	W	W	W	71.6	W	57.8	73.3	-	-
South Dakota												
August 1990	-	-	W	-	-	-	-	-	W	-	-	NA
July 1990	-	-	W	-	-	-	-	-	W	-	-	NA
August 1989	-	-	W	-	-	-	-	-	W	-	-	-
Tennessee												
August 1990	96.3	86.1	87.3	W	W	88.8	96.4	86.3	87.4	96.7	99.4	93.1
July 1990	84.5	71.2	69.8	W	W	68.0	83.8	69.7	69.4	81.0	81.8	75.2
August 1989	80.7	W	60.7	W	-	58.2	79.7	W	60.5	77.1	74.8	67.8
Wisconsin												
August 1990	100.0	-	88.6	W	-	W	98.7	-	88.8	99.9	104.0	87.3
July 1990	82.2	-	69.6	W	-	W	81.1	-	69.3	81.3	81.8	70.8
August 1989	78.4	-	66.4	W	-	W	77.4	-	66.1	80.7	84.8	71.0
PAD District III Average												
August 1990	94.8	85.4	86.0	95.3	83.6	87.9	94.8	85.0	86.3	99.7	96.2	90.9
July 1990	85.6	80.2	70.0	83.8	65.3	65.8	85.1	67.7	69.1	84.6	78.8	75.8
August 1989	79.7	63.9	61.7	75.1	-	56.4	79.2	63.9	61.5	78.6	71.8	72.3
Alabama												
August 1990	95.9	86.9	86.7	96.4	W	88.0	95.9	86.9	86.9	105.1	99.2	98.5
July 1990	82.8	69.1	69.3	83.9	-	68.8	83.0	69.1	69.7	89.3	86.4	83.2
August 1989	81.8	W	60.6	W	-	57.7	81.0	W	60.3	78.1	75.3	76.7
Arkansas												
August 1990	99.7	-	86.5	98.8	W	87.4	98.3	W	86.8	103.4	NA	94.2
July 1990	84.1	-	68.5	W	W	65.2	83.9	W	67.5	82.1	74.9	75.1
August 1989	W	-	59.2	W	-	W	W	-	59.2	W	-	-
Louisiana												
August 1990	93.8	W	85.8	98.5	W	86.3	94.2	W	85.8	95.8	97.8	NA
July 1990	84.0	W	69.3	81.3	W	65.4	83.7	W	68.0	82.0	79.0	80.2
August 1989	79.1	-	61.2	W	-	55.3	78.7	-	61.0	76.9	68.8	73.9
Mississippi												
August 1990	99.0	W	87.4	W	W	97.1	99.1	88.5	89.8	98.5	102.3	96.0
July 1990	85.5	W	69.0	W	-	68.3	85.0	W	68.7	88.0	86.9	77.7
August 1989	79.1	W	59.2	W	-	56.8	76.6	W	59.1	80.6	78.8	75.1
New Mexico												
August 1990	W	-	W	-	-	-	W	-	W	104.8	W	-
July 1990	W	-	W	-	-	W	W	-	W	89.1	W	-
August 1989	W	-	-	-	-	-	W	-	-	W	-	W
Texas												
August 1990	94.8	87.1	85.5	W	W	85.9	94.7	85.8	85.8	97.9	90.3	87.7
July 1990	86.3	69.0	70.8	84.0	W	65.0	85.6	67.8	69.5	82.6	76.2	72.6
August 1989	79.6	W	63.0	74.4	-	55.8	79.4	W	62.6	78.7	W	62.6
PAD District IV Average												
August 1990	94.9	W	86.7	W	-	89.3	92.5	W	86.8	111.4	103.7	97.4
July 1990	80.4	-	71.3	W	-	68.0	78.5	-	71.3	86.0	81.9	77.1
August 1989	W	-	W	-	-	-	W	-	W	W	W	-

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices
by Seller Type (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
Colorado												
August 1990	95.4	-	86.4	W	-	89.0	92.5	-	86.5	113.8	W	W
July 1990	80.6	-	71.0	W	-	68.0	78.5	-	71.0	86.9	W	W
August 1989	W	-	W	-	-	-	W	-	W	-	-	-
Idaho												
August 1990	-	-	-	-	-	-	-	-	-	-	-	-
July 1990	-	-	-	-	-	-	-	-	-	-	-	-
August 1989	-	-	-	-	-	-	-	-	-	W	W	-
Montana												
August 1990	-	-	-	-	-	-	-	-	-	-	W	W
July 1990	-	-	-	-	-	-	-	-	-	-	W	W
August 1989	-	-	-	-	-	-	-	-	-	-	W	-
Utah												
August 1990	W	W	W	-	-	W	W	W	W	W	-	W
July 1990	W	-	W	-	-	-	W	-	W	W	-	-
August 1989	W	-	-	-	-	-	W	-	-	W	-	-
Wyoming												
August 1990	W	W	W	-	-	-	W	W	W	W	W	W
July 1990	W	-	W	-	-	-	W	-	W	W	W	W
August 1989	-	-	-	-	-	-	-	-	-	-	-	-
PAD District V Average												
August 1990	82.4	W	83.3	W	W	W	89.7	88.9	83.4	108.2	108.2	111.8
July 1990	80.8	W	79.3	W	W	W	85.4	82.4	79.1	98.9	107.4	109.3
August 1989	W	W	W	-	W	-	W	80.0	W	93.0	-	-
Alaska												
August 1990	-	-	-	W	W	-	W	W	-	-	-	-
July 1990	-	-	-	W	W	-	W	W	-	-	W	-
August 1989	-	-	-	-	W	-	-	W	-	-	-	-
Arizona												
August 1990	W	-	-	-	-	W	W	-	W	W	-	-
July 1990	W	-	-	-	-	W	W	-	W	W	-	-
August 1989	-	-	-	-	-	-	-	-	-	-	-	-
California												
August 1990	W	W	82.1	-	-	-	W	W	82.1	W	W	-
July 1990	W	W	77.7	-	-	-	W	W	77.7	W	-	-
August 1989	W	W	W	-	-	-	W	W	W	W	-	-
Hawaii												
August 1990	W	W	99.2	W	W	W	111.3	W	99.1	W	113.8	111.8
July 1990	W	W	98.6	W	W	W	108.0	W	98.6	W	113.5	109.3
August 1989	-	-	-	-	-	-	-	-	-	-	-	-
Nevada												
August 1990	-	-	W	-	-	-	-	-	W	-	-	-
July 1990	-	-	W	-	-	-	-	-	W	-	-	-
August 1989	W	-	-	-	-	-	W	-	-	-	-	-
Oregon												
August 1990	W	-	-	-	-	-	W	-	-	-	-	-
July 1990	W	-	-	-	-	-	W	-	-	-	-	-
August 1989	-	-	-	-	-	-	-	-	-	-	-	-
Washington												
August 1990	-	-	W	-	-	-	-	-	W	W	W	-
July 1990	-	W	W	-	-	-	-	W	W	101.2	W	-
August 1989	-	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 Type**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
U.S. Average												
August 1990	104.1	93.9	95.1	104.5	93.7	93.0	104.2	93.8	94.9	109.4	107.4	99.1
July 1990	94.3	81.2	83.0	90.3	NA	74.6	93.6	77.8	82.0	95.3	90.4	83.8
August 1989	90.2	72.2	74.6	85.7	67.4	62.1	89.4	70.6	73.1	91.0	80.6	74.8
PAD District I Average												
August 1990	102.6	93.2	95.4	104.7	95.8	93.0	102.8	93.9	95.3	110.2	105.7	100.9
July 1990	93.7	82.7	83.5	91.0	78.9	75.3	93.5	81.8	82.9	97.4	89.5	86.0
August 1989	92.4	71.8	75.4	91.0	64.2	61.7	92.2	69.0	74.4	93.6	81.5	77.4
Subdistrict IA Average												
August 1990	104.5	98.3	99.3	-	W	W	104.5	97.1	99.2	115.3	107.2	101.5
July 1990	95.9	91.2	88.2	-	W	W	95.9	88.2	87.8	101.2	91.3	87.7
August 1989	101.8	72.7	79.9	-	W	W	101.6	70.0	79.4	99.1	83.8	74.4
Connecticut												
August 1990	W	100.0	98.5	-	-	W	W	100.0	98.5	114.6	110.6	102.3
July 1990	W	93.2	87.5	-	-	W	W	93.2	87.3	100.6	97.2	88.7
August 1989	W	75.2	80.0	-	-	W	W	75.2	79.9	105.1	104.8	88.7
Maine												
August 1990	W	W	95.4	-	-	W	W	W	95.3	117.5	105.4	99.1
July 1990	W	W	82.0	-	-	W	W	W	81.8	105.4	90.2	86.7
August 1989	W	W	70.0	-	-	W	W	W	69.8	100.0	79.7	76.8
Massachusetts												
August 1990	108.0	98.5	100.9	-	W	W	106.0	98.9	100.8	114.3	108.9	100.4
July 1990	97.5	90.4	90.3	-	W	W	97.5	85.9	99.7	99.2	87.7	86.2
August 1989	99.7	72.3	81.8	-	W	W	99.7	69.0	81.2	98.8	77.4	77.0
New Hampshire												
August 1990	W	W	99.1	-	W	W	W	W	W	116.6	109.4	103.5
July 1990	94.3	W	87.8	-	W	W	94.3	83.2	87.5	103.0	92.9	89.3
August 1989	99.5	W	81.0	-	W	W	99.5	W	80.2	97.2	81.9	81.2
Rhode Island												
August 1990	105.9	W	99.1	-	-	W	105.9	W	98.8	112.5	W	99.2
July 1990	95.5	W	87.0	-	W	W	95.5	W	86.5	100.0	W	84.8
August 1989	100.8	W	78.8	-	-	W	100.8	W	78.1	91.5	73.1	71.8
Vermont												
August 1990	W	-	W	-	-	W	W	-	98.1	115.6	106.1	107.1
July 1990	W	-	W	-	-	W	W	-	86.0	103.3	92.9	93.1
August 1989	W	W	80.9	-	-	W	W	W	78.5	101.0	90.5	83.0
Subdistrict IB Average												
August 1990	102.5	95.1	95.9	107.2	98.4	93.8	103.0	95.6	95.8	111.3	105.2	101.1
July 1990	94.0	87.3	85.7	95.4	85.3	77.6	94.1	86.8	85.1	98.7	89.0	87.0
August 1989	96.3	72.2	78.5	94.2	69.0	63.5	96.1	71.0	77.6	95.2	78.7	77.1
Delaware												
August 1990	W	W	92.5	-	-	W	W	W	92.5	109.9	104.0	96.7
July 1990	W	W	81.5	-	-	W	W	W	81.3	98.0	90.7	84.3
August 1989	110.2	W	76.1	-	-	W	110.2	W	76.1	88.4	78.7	76.1
District of Columbia												
August 1990	-	W	98.5	-	-	-	-	W	98.5	W	107.0	NA
July 1990	-	83.7	90.0	-	-	W	-	83.7	90.0	W	88.6	79.5
August 1989	-	W	85.7	-	-	W	-	W	W	W	78.6	70.3
Maryland												
August 1990	-	91.6	95.0	W	-	93.7	W	91.6	94.9	107.9	103.4	98.8
July 1990	-	80.2	86.5	W	-	83.5	W	80.2	86.2	97.9	88.7	86.5
August 1989	-	66.8	81.7	-	-	80.6	-	66.8	81.6	94.1	76.5	77.5
New Jersey												
August 1990	102.6	95.5	95.3	W	W	93.3	102.8	95.1	95.2	112.6	109.0	99.2
July 1990	95.2	85.6	84.9	W	W	70.7	95.3	85.6	84.1	100.3	93.0	85.6
August 1989	101.6	71.4	76.1	W	-	58.7	101.5	71.4	74.8	93.3	81.7	72.0
New York												
August 1990	102.3	100.8	97.2	W	W	91.2	102.6	95.6	97.0	116.2	102.8	103.1
July 1990	93.3	93.8	89.1	W	W	76.5	93.3	92.8	88.3	102.0	84.0	90.8
August 1989	94.2	86.7	85.3	W	W	61.5	94.3	74.8	84.2	99.4	74.5	82.3
Pennsylvania												
August 1990	102.1	96.6	95.5	109.8	W	96.6	103.2	99.2	95.5	108.6	103.6	101.7
July 1990	93.0	83.7	82.2	96.7	85.8	76.7	93.6	85.2	81.9	94.7	88.9	84.0
August 1989	93.0	74.4	71.8	92.9	69.6	63.0	93.0	71.3	71.2	91.5	84.2	75.7

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices
by Seller Type (Continued)**
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale	Sales to End Users Through Company Outlets	Other End Users	Sales for Resale
Subdistrict IC Average												
August 1990	102.3	92.0	93.5	103.2	95.0	91.9	102.4	92.7	93.4	107.8	105.7	100.4
July 1990	93.3	77.7	79.3	89.7	75.2	72.7	92.8	77.0	78.7	95.8	89.4	84.5
August 1989	89.1	71.2	69.9	88.7	62.1	60.2	89.1	68.1	69.0	91.9	80.9	78.9
Florida												
August 1990	101.0	92.0	93.8	105.7	W	89.8	101.4	93.3	93.5	106.9	106.0	101.6
July 1990	93.1	77.9	82.6	89.2	W	72.7	92.7	76.3	81.6	95.4	89.3	85.4
August 1989	88.7	72.8	74.1	89.5	W	59.7	88.7	67.3	72.3	92.5	79.8	83.3
Georgia												
August 1990	102.7	92.0	93.1	W	W	93.4	102.7	91.9	93.1	103.9	103.6	99.3
July 1990	91.7	75.6	76.9	W	W	72.2	91.2	75.5	76.4	91.7	82.9	81.9
August 1989	86.1	73.7	66.0	W	W	60.5	86.0	69.6	65.4	91.4	77.3	74.4
North Carolina												
August 1990	103.3	87.9	93.1	W	-	93.9	103.3	87.9	93.1	106.6	106.4	100.5
July 1990	92.8	74.6	75.8	W	-	72.6	92.5	74.6	75.5	94.6	89.9	86.9
August 1989	87.5	64.8	64.9	W	-	60.5	87.3	64.8	64.5	89.9	80.7	79.0
South Carolina												
August 1990	103.5	91.8	93.0	W	-	92.5	103.2	91.8	93.0	114.7	105.3	101.3
July 1990	90.7	77.7	75.9	W	-	72.3	90.4	77.7	75.5	102.0	89.3	86.8
August 1989	85.3	72.0	65.3	W	W	60.6	86.1	69.7	64.9	91.7	83.5	75.1
Virginia												
August 1990	103.0	87.8	93.9	W	W	93.5	102.6	88.5	93.9	108.7	105.4	100.6
July 1990	95.8	76.8	80.4	W	W	73.1	95.1	76.5	80.0	95.6	91.9	84.1
August 1989	93.5	66.2	72.8	W	62.0	60.5	93.4	65.7	71.9	92.3	82.7	76.1
West Virginia												
August 1990	114.0	107.7	94.1	100.8	W	W	113.4	106.9	94.1	110.3	106.5	102.9
July 1990	102.8	W	79.4	W	W	75.6	101.9	86.5	78.8	99.3	88.7	85.2
August 1989	101.3	77.3	73.8	84.1	W	64.9	100.6	75.6	73.2	92.2	83.0	78.8
PAD District II Average												
August 1990	107.1	94.5	95.6	102.7	98.5	91.3	106.0	94.6	94.9	107.9	106.4	98.4
July 1990	92.8	78.7	78.1	85.5	77.3	70.5	90.9	78.6	76.9	90.5	85.9	77.8
August 1989	87.8	73.3	71.4	81.5	63.6	63.4	86.3	72.8	70.3	86.8	79.5	71.7
Illinois												
August 1990	105.5	93.2	95.9	W	-	81.7	104.8	93.2	94.0	105.9	105.0	99.1
July 1990	95.2	77.0	82.2	W	-	69.7	92.8	77.0	81.0	86.9	86.2	77.2
August 1989	90.0	71.9	74.2	W	-	64.6	88.4	71.9	74.0	83.9	81.1	70.6
Indiana												
August 1990	104.7	92.2	96.5	W	-	91.8	103.8	92.2	95.9	113.2	106.2	101.6
July 1990	87.1	75.9	78.3	W	-	70.7	85.8	75.9	76.9	93.2	83.3	80.2
August 1989	76.6	72.4	69.6	W	-	64.1	75.8	72.4	68.9	85.0	74.5	70.1
Iowa												
August 1990	W	-	95.1	102.8	-	92.4	103.8	-	94.5	105.0	105.6	98.1
July 1990	90.1	W	75.4	84.1	-	69.5	85.7	W	74.1	88.6	89.3	75.1
August 1989	90.1	-	71.0	86.2	-	62.7	87.3	-	69.2	88.8	87.2	73.6
Kansas												
August 1990	110.0	W	89.7	104.0	W	89.9	106.9	W	89.8	105.1	109.3	93.4
July 1990	91.1	W	71.8	84.5	W	67.5	87.6	W	70.0	86.2	88.2	71.1
August 1989	85.4	W	68.1	81.5	W	61.5	83.5	63.4	65.3	81.8	77.4	64.2
Kentucky												
August 1990	109.7	99.9	96.8	105.7	-	95.6	109.3	99.9	96.7	111.3	106.5	101.9
July 1990	96.9	78.0	78.8	88.3	-	74.2	95.9	78.0	78.6	95.4	88.0	84.5
August 1989	89.2	71.4	69.6	81.5	W	63.2	88.3	71.4	69.7	88.4	84.9	77.4
Michigan												
August 1990	102.3	89.8	97.5	W	-	96.0	102.6	89.8	97.4	109.5	104.2	99.2
July 1990	88.1	82.2	79.9	W	-	73.3	87.1	82.2	79.1	92.2	85.1	81.7
August 1989	84.4	76.1	74.5	W	-	66.6	83.5	76.1	73.7	87.9	79.9	70.7
Minnesota												
August 1990	106.1	W	95.5	105.4	W	97.2	106.0	100.6	96.1	105.0	105.7	98.5
July 1990	93.6	W	77.2	92.3	W	72.8	93.4	W	75.8	93.6	85.2	76.3
August 1989	96.5	W	75.7	95.3	W	66.8	96.3	74.6	72.8	96.7	NA	71.4
Missouri												
August 1990	103.9	W	93.8	102.9	-	91.2	103.5	W	93.2	105.1	100.3	95.7
July 1990	92.1	W	75.8	86.6	W	68.8	89.9	W	74.0	88.1	83.8	73.5
August 1989	87.0	W	70.0	80.0	W	61.7	85.0	64.6	68.1	86.4	79.7	68.8

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices
by Seller Type (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												
August 1990	W	-	94.7	102.4	-	91.5	106.2	-	93.9	97.5	W	94.1
July 1990	W	-	74.9	85.8	-	69.1	89.4	-	73.8	82.0	W	69.7
August 1989	90.8	-	71.3	87.1	-	63.3	88.5	-	69.7	89.1	W	69.9
North Dakota												
August 1990	111.5	-	97.7	W	-	96.7	111.6	-	97.4	108.0	113.4	88.5
July 1990	100.4	-	82.0	W	-	72.4	99.7	-	79.4	94.0	91.6	70.3
August 1989	94.2	W	83.4	W	-	68.1	93.2	W	79.9	103.5	93.8	66.0
Ohio												
August 1990	111.4	95.4	97.9	W	W	92.0	110.4	95.5	97.7	107.5	112.4	98.6
July 1990	95.4	82.9	79.0	W	W	73.9	94.2	83.0	78.7	90.0	89.9	79.4
August 1989	91.2	78.3	73.1	W	W	64.3	89.7	77.8	72.7	85.8	81.3	73.4
Oklahoma												
August 1990	104.8	89.0	90.5	99.0	94.8	89.5	103.4	89.4	90.2	103.5	101.3	96.7
July 1990	82.0	65.2	69.4	81.2	W	67.0	81.8	65.4	68.6	83.0	76.9	71.3
August 1989	75.9	W	63.1	77.0	W	60.4	76.1	61.9	62.2	82.2	W	72.1
South Dakota												
August 1990	W	W	96.2	W	-	92.5	103.1	W	95.1	111.1	106.1	100.1
July 1990	W	-	79.3	W	-	72.1	89.2	-	77.1	96.0	97.1	80.3
August 1989	W	W	77.5	W	-	66.8	W	W	74.7	99.6	W	76.0
Tennessee												
August 1990	106.2	98.5	94.4	103.7	-	95.0	105.5	98.5	94.4	106.1	105.5	100.0
July 1990	96.2	77.6	77.2	89.9	W	72.7	94.3	76.8	76.7	91.6	89.9	82.6
August 1989	90.9	65.9	66.6	85.9	W	61.0	89.7	65.2	65.9	89.0	71.6	72.2
Wisconsin												
August 1990	109.2	100.2	95.2	W	W	94.8	107.1	99.5	95.1	108.0	109.4	99.0
July 1990	91.0	78.8	75.5	W	W	71.7	89.5	77.8	74.6	88.7	88.6	77.4
August 1989	82.8	W	70.3	W	-	65.8	82.4	W	69.3	84.4	90.8	74.3
PAD District III Average												
August 1990	102.6	89.5	90.0	103.8	96.4	90.4	102.8	90.1	90.1	108.5	101.6	93.0
July 1990	94.1	74.7	75.8	92.7	74.2	71.5	93.8	74.6	74.9	94.5	84.6	82.2
August 1989	88.2	67.0	66.8	85.7	64.6	60.0	87.6	66.6	64.9	86.7	75.9	70.7
Alabama												
August 1990	105.1	88.7	94.0	104.9	W	93.9	105.0	89.0	94.0	116.8	110.6	104.5
July 1990	94.0	74.1	76.9	93.0	W	73.1	93.8	74.0	76.4	100.9	89.7	89.7
August 1989	95.0	67.0	66.5	93.8	W	60.9	94.7	65.9	65.7	88.5	87.0	82.2
Arkansas												
August 1990	109.1	W	92.4	W	W	91.5	107.9	W	W	110.3	NA	99.7
July 1990	96.0	W	74.2	W	W	70.2	92.8	72.4	72.9	92.7	85.5	81.2
August 1989	93.5	W	65.8	W	W	61.6	86.5	64.6	64.5	79.7	80.1	74.1
Louisiana												
August 1990	101.0	W	85.9	108.6	106.8	93.5	101.5	W	86.7	104.2	106.3	93.6
July 1990	91.6	W	75.0	94.5	86.2	72.8	91.9	74.8	74.7	91.3	84.2	82.1
August 1989	87.1	W	66.3	89.5	71.9	59.9	87.3	63.8	65.0	85.0	71.3	79.4
Mississippi												
August 1990	108.9	W	90.8	W	W	92.5	108.0	95.7	91.2	109.5	104.3	94.1
July 1990	96.1	-	74.7	W	76.3	70.6	94.7	77.1	73.8	97.8	88.5	81.9
August 1989	94.7	-	64.4	88.3	61.7	58.4	93.1	65.8	62.6	90.9	88.7	74.6
New Mexico												
August 1990	106.7	W	92.5	W	-	93.8	105.4	W	92.8	108.7	109.6	103.3
July 1990	95.7	W	79.6	W	-	77.9	92.8	W	79.1	94.4	89.0	85.4
August 1989	94.0	W	76.2	W	-	73.3	93.2	W	75.3	94.1	85.4	91.6
Texas												
August 1990	102.4	90.4	90.3	103.2	91.2	88.6	102.5	90.5	89.9	103.9	95.0	88.7
July 1990	94.5	74.6	76.1	93.0	W	71.0	94.2	74.3	75.0	91.4	81.3	80.0
August 1989	87.6	68.4	67.3	85.1	W	59.4	87.0	67.6	64.8	85.0	72.6	64.6
PAD District IV Average												
August 1990	103.4	88.1	91.9	103.4	W	92.2	103.4	88.3	92.0	109.6	105.6	97.3
July 1990	89.8	72.3	75.3	88.7	W	73.0	89.4	73.0	74.7	89.2	87.8	79.6
August 1989	91.5	57.3	72.9	88.4	W	68.6	90.5	68.6	71.7	92.7	87.9	75.4

See footnote: at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices
by Seller Type (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												
August 1990	105.4	W	93.1	103.3	-	92.1	104.5	W	92.8	114.0	105.8	103.0
July 1990	92.2	W	74.6	89.0	-	71.6	90.7	W	73.9	90.2	86.3	79.6
August 1989	92.1	W	70.3	88.2	-	63.1	90.6	W	68.5	91.1	81.7	70.2
Idaho												
August 1990	W	-	92.0	W	-	93.5	107.9	-	92.3	108.6	107.1	95.9
July 1990	W	W	77.8	W	-	75.8	91.7	W	77.3	90.8	90.8	79.3
August 1989	W	-	78.3	W	-	75.6	92.3	-	77.7	95.0	89.0	83.4
Montana												
August 1990	W	W	91.8	W	-	93.9	W	W	92.4	109.1	106.7	98.8
July 1990	W	W	73.8	W	W	73.9	W	W	73.9	90.4	88.5	78.7
August 1989	W	W	70.6	W	W	72.5	W	74.4	71.1	89.6	89.2	78.7
Utah												
August 1990	99.3	W	89.7	W	W	90.1	99.4	90.4	89.8	99.6	W	NA
July 1990	85.4	W	76.0	W	W	73.0	85.4	W	74.9	85.5	W	79.8
August 1989	89.9	W	76.4	W	W	72.3	89.9	77.9	75.1	91.2	86.4	75.5
Wyoming												
August 1990	106.9	W	94.3	105.4	W	93.7	106.0	86.0	W	111.5	101.1	100.6
July 1990	91.3	W	76.8	85.7	W	73.5	88.0	73.7	W	91.2	87.6	80.8
August 1989	W	W	74.2	92.2	W	67.6	93.4	69.5	71.5	100.5	88.2	79.1
PAD District V Average												
August 1990	104.7	99.5	97.4	110.3	NA	100.8	105.6	96.2	97.7	112.2	114.9	102.6
July 1990	99.4	90.2	91.8	99.8	NA	84.5	99.4	NA	91.0	102.9	100.9	91.3
August 1989	92.0	75.0	80.8	95.0	70.3	64.4	92.3	72.4	79.2	93.2	84.6	74.4
Alaska												
August 1990	W	-	W	W	W	W	W	W	104.4	W	138.2	125.3
July 1990	W	-	W	W	W	W	W	W	93.2	W	119.2	110.6
August 1989	W	-	W	W	W	W	W	W	91.8	W	W	115.0
Arizona												
August 1990	99.0	W	94.9	W	-	97.2	99.2	W	95.1	105.0	110.3	110.2
July 1990	93.0	W	87.8	W	-	85.0	93.2	W	87.5	95.5	98.4	96.3
August 1989	86.6	W	73.9	W	W	67.2	86.7	78.0	73.1	90.5	82.4	76.8
California												
August 1990	104.9	101.5	97.3	W	NA	101.1	105.6	96.8	97.6	114.7	117.1	101.8
July 1990	100.3	90.7	92.3	97.5	NA	84.3	99.8	NA	91.3	105.5	101.4	90.9
August 1989	93.5	73.5	81.3	90.3	W	62.6	93.2	68.9	79.5	93.5	83.1	71.2
Hawaii												
August 1990	W	W	107.1	W	W	W	W	92.7	107.1	W	122.2	113.4
July 1990	W	W	105.6	W	W	W	W	88.4	105.4	W	118.2	108.6
August 1989	W	W	101.5	W	W	W	W	W	101.4	W	108.6	101.9
Nevada												
August 1990	103.4	-	97.4	W	W	104.9	103.4	W	97.7	108.8	114.4	106.8
July 1990	96.4	-	88.3	W	W	85.8	96.7	W	88.2	99.0	96.0	85.7
August 1989	90.6	W	78.0	W	W	72.9	90.5	76.6	77.5	94.5	88.8	72.7
Oregon												
August 1990	108.8	W	97.4	W	W	96.1	108.7	W	97.3	111.7	109.3	106.0
July 1990	101.8	W	89.1	W	W	83.1	101.5	W	88.2	103.7	99.4	91.6
August 1989	97.2	W	80.8	W	W	76.2	97.3	85.8	80.5	95.2	92.3	85.2
Washington												
August 1990	106.7	100.8	96.1	W	-	97.5	106.6	100.8	96.2	111.0	104.8	98.9
July 1990	98.8	91.3	87.5	W	-	84.3	98.6	91.3	87.3	99.1	95.8	91.3
August 1989	86.1	77.1	73.2	W	W	67.8	86.6	75.9	72.8	92.2	85.5	80.8

Dashes (-) - No data reported.

NA - Not available.

W - Withheld to avoid disclosure of individual company data.

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

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

Table 35. Refiner Prices of Aviation Fuels and Propane
(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						
August 1990	112.6	110.5	70.3	71.3	63.1	36.3
July 1990	103.6	100.2	55.3	56.0	55.6	27.3
August 1989	102.0	97.6	55.1	54.4	59.8	21.6
PAD District I Average						
August 1990	113.7	107.6	71.2	77.6	77.9	41.9
July 1990	104.0	97.3	54.8	57.3	74.4	28.9
August 1989	100.6	93.5	55.1	56.5	73.6	25.3
Subdistrict IA Average						
August 1990	W	116.7	74.3	79.4	W	40.4
July 1990	W	103.3	57.6	59.9	W	30.9
August 1989	W	97.6	58.9	60.4	W	26.3
Connecticut						
August 1990	W	W	74.1	W	W	41.3
July 1990	W	W	56.6	59.9	W	30.2
August 1989	NA	NA	59.2	63.3	W	24.9
Maine						
August 1990	W	W	W	W	W	38.6
July 1990	W	W	W	W	W	26.3
August 1989	W	W	61.6	W	W	W
Massachusetts						
August 1990	W	116.7	72.3	80.5	W	38.8
July 1990	W	103.9	56.4	59.3	W	31.4
August 1989	W	98.6	58.3	59.1	W	26.8
New Hampshire						
August 1990	W	W	W	W	W	41.9
July 1990	W	W	62.1	W	W	30.6
August 1989	NA	NA	62.1	W	W	W
Rhode Island						
August 1990	W	W	76.7	W	-	W
July 1990	W	W	59.5	W	-	W
August 1989	NA	NA	59.7	W	-	W
Vermont						
August 1990	W	W	90.1	W	W	42.2
July 1990	W	W	71.1	W	W	35.2
August 1989	NA	NA	71.7	W	W	30.4
Subdistrict IB Average						
August 1990	W	110.5	70.6	77.2	87.3	39.9
July 1990	W	98.7	54.4	57.0	W	25.3
August 1989	W	92.4	55.3	55.6	W	23.7
Delaware						
August 1990	W	110.8	80.2	W	-	W
July 1990	W	95.1	63.9	W	-	W
August 1989	NA	NA	W	W	-	W
District of Columbia						
August 1990	-	-	-	-	-	-
July 1990	-	-	-	-	-	-
August 1989	NA	NA	-	-	-	-
Maryland						
August 1990	W	W	72.4	76.8	W	43.6
July 1990	W	W	55.0	59.9	W	W
August 1989	NA	NA	54.8	60.8	W	24.4
New Jersey						
August 1990	W	W	70.5	77.3	NA	39.0
July 1990	W	99.8	53.9	56.5	68.1	26.1
August 1989	W	W	54.8	54.8	67.7	22.7
New York						
August 1990	W	W	75.0	81.1	W	42.4
July 1990	W	W	59.8	62.8	W	31.5
August 1989	W	W	61.1	58.6	W	24.8
Pennsylvania						
August 1990	W	110.0	69.3	73.7	W	42.0
July 1990	W	W	55.4	55.4	W	24.5
August 1989	101.9	93.4	55.5	57.6	W	23.9
Subdistrict IC Average						
August 1990	111.2	105.2	71.2	78.1	73.6	43.0
July 1990	101.3	95.7	54.6	58.0	68.7	32.4
August 1989	98.1	92.8	54.0	58.9	70.0	26.2

See footnotes at end of table.

Table 35. Refiner Prices of Aviation Fuels and Propane (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						
August 1990	109.7	103.7	72.4	81.5	W	43.3
July 1990	99.9	94.5	56.0	58.0	W	34.5
August 1989	96.1	91.9	55.0	58.4	W	27.9
Georgia						
August 1990	110.6	W	69.7	73.1	W	41.4
July 1990	98.5	97.4	52.5	56.3	W	30.9
August 1989	W	95.0	51.6	57.4	W	24.7
North Carolina						
August 1990	W	W	71.7	77.5	67.2	43.4
July 1990	W	W	56.2	59.3	58.3	32.4
August 1989	W	92.7	53.4	60.8	W	26.0
South Carolina						
August 1990	W	W	76.8	W	71.3	43.0
July 1990	W	W	59.2	W	64.2	31.6
August 1989	W	92.8	60.1	W	69.6	25.6
Virginia						
August 1990	W	106.4	70.2	80.8	61.7	43.3
July 1990	107.3	100.2	54.5	58.5	62.4	31.1
August 1989	W	100.5	54.5	62.7	56.9	26.0
West Virginia						
August 1990	W	-	79.3	W	W	39.8
July 1990	W	-	65.8	W	W	31.1
August 1989	W	W	63.6	W	W	24.7
PAD District II Average						
August 1990	107.1	105.0	69.9	70.8	71.6	37.4
July 1990	96.6	92.6	54.9	57.2	64.4	28.1
August 1989	99.4	93.0	55.2	57.7	57.4	20.7
Illinois						
August 1990	W	102.9	67.4	75.1	NA	38.1
July 1990	W	93.7	54.9	60.3	74.6	27.7
August 1989	W	94.2	55.3	62.0	58.1	21.8
Indiana						
August 1990	101.5	100.4	70.4	62.9	W	37.4
July 1990	93.7	90.3	53.9	54.4	W	28.4
August 1989	W	89.3	54.0	52.6	W	23.3
Iowa						
August 1990	W	W	71.6	75.6	W	37.8
July 1990	W	W	57.8	60.4	W	30.2
August 1989	NA	NA	58.7	63.2	W	22.7
Kansas						
August 1990	W	106.9	62.5	69.8	W	36.3
July 1990	W	91.3	53.2	58.6	W	27.7
August 1989	NA	NA	54.5	55.6	-	19.4
Kentucky						
August 1990	W	108.3	72.3	83.1	37.1	34.0
July 1990	W	100.6	55.8	63.6	27.5	26.9
August 1989	W	W	56.4	62.8	23.8	21.7
Michigan						
August 1990	103.7	W	70.2	74.4	W	38.5
July 1990	93.9	93.6	55.2	58.0	W	29.5
August 1989	96.5	93.0	55.1	58.8	W	24.0
Minnesota						
August 1990	W	W	70.9	70.7	W	39.0
July 1990	W	W	55.9	57.8	W	29.4
August 1989	NA	NA	56.4	61.8	W	21.8
Missouri						
August 1990	W	106.1	65.8	74.6	51.0	41.7
July 1990	W	92.7	54.6	59.6	59.4	31.2
August 1989	NA	NA	55.4	61.0	W	21.7
Nebraska						
August 1990	W	104.2	72.7	75.6	W	39.2
July 1990	W	92.6	56.2	58.7	W	29.0
August 1989	W	92.1	58.7	62.2	W	22.0
North Dakota						
August 1990	112.6	W	72.5	74.5	W	35.1
July 1990	W	W	59.3	66.1	W	24.1
August 1989	NA	NA	60.9	W	W	17.9

See footnotes at end of table.

Table 35. Refiner Prices of Aviation Fuels and Propane (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						
August 1990	W	108.6	69.5	74.8	W	37.0
July 1990	W	94.7	55.3	57.8	W	28.5
August 1989	W	96.1	56.6	59.7	W	23.5
Oklahoma						
August 1990	103.9	103.4	72.7	67.0	W	35.3
July 1990	86.9	86.3	54.4	53.6	W	24.4
August 1989	W	89.1	53.7	55.9	W	18.3
South Dakota						
August 1990	W	105.8	76.2	78.2	W	37.3
July 1990	W	96.0	60.7	60.4	W	30.1
August 1989	W	94.8	62.6	W	W	21.9
Tennessee						
August 1990	W	107.9	70.5	76.9	W	41.6
July 1990	W	96.9	55.4	58.1	W	31.1
August 1989	108.9	96.7	55.4	58.8	W	25.0
Wisconsin						
August 1990	W	W	71.5	75.9	W	41.7
July 1990	-	W	57.5	61.4	W	31.2
August 1989	W	W	59.8	W	W	23.1
PAD District III Average						
August 1990	110.0	104.2	67.8	66.0	35.9	34.3
July 1990	102.7	92.9	52.0	52.3	28.9	26.3
August 1989	98.6	89.9	51.9	51.6	32.4	20.7
Alabama						
August 1990	109.6	110.2	76.4	78.8	W	39.0
July 1990	102.4	100.4	58.6	59.1	W	29.3
August 1989	99.2	97.4	58.3	58.4	W	22.6
Arkansas						
August 1990	W	104.3	56.8	76.5	W	44.3
July 1990	W	W	55.0	60.9	W	32.8
August 1989	-	92.4	58.0	61.9	56.1	26.5
Louisiana						
August 1990	W	106.6	69.5	62.9	W	31.2
July 1990	W	97.4	53.0	51.6	44.8	26.7
August 1989	W	95.3	51.8	50.6	W	21.0
Mississippi						
August 1990	110.4	103.6	60.0	64.4	W	39.0
July 1990	102.0	93.7	51.1	52.6	W	29.0
August 1989	99.0	93.1	50.7	51.5	W	21.8
New Mexico						
August 1990	W	W	77.1	77.7	46.3	33.7
July 1990	W	W	60.0	63.3	33.7	24.2
August 1989	W	W	61.5	61.3	W	20.4
Texas						
August 1990	109.7	103.1	67.6	66.6	30.6	34.0
July 1990	102.8	90.6	51.6	52.2	25.2	25.9
August 1989	98.7	86.5	51.7	51.6	21.8	20.3
PAD District IV Average						
August 1990	110.4	107.4	71.1	73.7	60.9	32.5
July 1990	104.0	97.2	57.2	59.6	56.3	21.8
August 1989	104.2	99.7	58.3	62.5	47.4	18.6
Colorado						
August 1990	W	106.5	69.2	70.1	61.3	36.5
July 1990	W	93.7	54.4	57.2	43.0	23.7
August 1989	W	94.2	55.0	59.6	W	17.3
Idaho						
August 1990	W	W	80.2	84.4	W	W
July 1990	W	W	64.3	67.9	W	26.3
August 1989	W	113.4	63.6	68.4	W	25.3
Montana						
August 1990	W	W	77.2	W	W	32.7
July 1990	W	W	66.1	W	W	21.6
August 1989	W	W	62.4	62.7	48.7	20.0
Utah						
August 1990	W	105.0	71.8	79.6	W	31.1
July 1990	W	96.3	58.7	63.2	W	23.1
August 1989	W	103.1	59.6	65.9	W	22.4

See footnotes at end of table.

Table 35. Refiner Prices of Aviation Fuels and Propane (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
Wyoming						
August 1990	W	W	81.7	W	W	29.7
July 1990	103.7	W	70.4	W	31.9	20.2
August 1989	W	W	66.9	W	W	17.7
PAD District V Average						
August 1990	116.9	120.3	71.2	74.5	W	33.9
July 1990	108.4	111.6	58.5	60.2	W	28.7
August 1989	107.7	107.7	57.2	56.6	W	25.3
Alaska						
August 1990	W	127.6	71.2	79.2	W	W
July 1990	W	118.4	60.9	73.6	W	W
August 1989	W	114.6	62.7	61.9	W	62.6
Arizona						
August 1990	114.0	123.0	75.6	81.0	W	41.9
July 1990	102.8	116.5	61.2	66.7	W	34.9
August 1989	W	110.5	59.6	61.0	W	35.0
California						
August 1990	117.1	116.7	71.3	72.6	W	35.2
July 1990	110.9	106.5	57.6	57.3	W	29.4
August 1989	106.4	103.5	56.2	54.9	W	25.9
Hawaii						
August 1990	W	W	72.6	W	-	W
July 1990	W	W	59.7	W	-	W
August 1989	W	W	56.6	W	-	W
Nevada						
August 1990	W	120.9	79.5	82.0	NA	34.8
July 1990	W	113.1	61.3	61.6	W	30.6
August 1989	-	110.1	59.5	58.4	W	W
Oregon						
August 1990	W	W	76.0	76.7	W	36.9
July 1990	W	W	60.8	65.6	W	W
August 1989	W	W	58.1	64.7	W	31.3
Washington						
August 1990	W	117.8	66.4	82.5	W	26.9
July 1990	W	110.1	57.5	57.0	W	22.4
August 1989	111.2	105.8	54.9	55.6	W	19.2

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

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

Table 36. Refiner Prices of Kerosene and Distillates (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						
August 1990	80.1	83.2	W	W	77.0	74.3
July 1990	82.9	80.4	W	W	54.5	52.3
August 1989	W	57.5	W	W	53.4	51.1
Georgia						
August 1990	95.8	83.3	W	89.8	75.3	75.5
July 1990	89.4	59.3	-	61.0	55.5	52.5
August 1989	85.6	57.8	W	59.5	53.4	50.8
North Carolina						
August 1990	91.2	82.9	88.2	81.5	75.5	74.8
July 1990	83.5	60.1	75.5	58.5	53.3	52.6
August 1989	W	58.3	59.8	55.0	51.5	50.9
South Carolina						
August 1990	88.5	82.6	W	W	78.9	75.1
July 1990	W	80.0	W	W	55.2	52.7
August 1989	61.8	58.3	W	W	52.6	51.2
Virginia						
August 1990	83.9	83.5	88.5	86.0	76.5	75.0
July 1990	84.0	57.6	W	61.3	54.4	52.7
August 1989	62.5	56.5	W	57.4	53.1	51.0
West Virginia						
August 1990	96.5	82.8	W	89.1	80.7	77.4
July 1990	W	61.8	W	W	56.1	52.9
August 1989	67.7	59.0	W	66.2	55.8	53.5
PAD District II Average						
August 1990	94.6	87.7	75.4	82.5	76.7	75.9
July 1990	63.8	60.2	55.2	57.8	53.8	52.3
August 1989	67.5	62.1	57.8	59.9	54.4	53.4
Illinois						
August 1990	W	90.1	77.0	84.5	76.7	74.0
July 1990	W	60.5	53.2	58.6	52.4	50.7
August 1989	W	57.9	57.2	59.8	53.5	51.9
Indiana						
August 1990	102.7	84.1	83.6	86.9	72.6	75.1
July 1990	93.0	82.3	62.7	61.9	51.6	51.6
August 1989	72.6	59.3	61.4	61.0	52.6	52.3
Iowa						
August 1990	-	88.3	85.9	85.0	77.6	77.8
July 1990	-	65.0	W	57.9	54.0	53.2
August 1989	-	65.9	W	61.2	55.7	55.5
Kansas						
August 1990	-	86.0	W	77.9	75.4	74.4
July 1990	-	55.9	W	53.2	50.9	51.2
August 1989	-	62.6	W	55.9	53.5	53.2
Kentucky						
August 1990	W	86.6	88.1	88.0	79.0	77.1
July 1990	W	54.2	62.6	63.2	55.3	53.7
August 1989	63.5	62.9	58.5	62.8	54.8	52.5
Michigan						
August 1990	103.3	84.3	W	84.7	74.6	77.2
July 1990	103.8	61.6	56.0	60.0	53.6	52.7
August 1989	73.5	63.3	W	60.0	54.0	53.7
Minnesota						
August 1990	W	90.9	80.6	86.1	77.3	77.5
July 1990	W	66.7	55.6	61.1	54.3	53.9
August 1989	W	68.0	57.5	63.6	55.8	56.0
Missouri						
August 1990	W	88.9	W	86.3	80.3	77.4
July 1990	W	59.2	W	57.9	53.9	52.3
August 1989	W	57.6	W	59.7	54.7	53.2
Nebraska						
August 1990	-	W	W	86.4	73.2	76.9
July 1990	-	W	-	52.7	51.6	52.7
August 1989	-	W	-	58.3	52.3	55.0
North Dakota						
August 1990	W	W	91.8	84.1	W	77.6
July 1990	W	-	W	60.3	50.3	54.0
August 1989	NA	NA	65.4	64.8	56.1	57.6

See footnotes at end of table.

Table 36. Refiner Prices of Kerosene and Distillates
(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						
August 1990	87.4	80.7	79.2	83.2	75.9	73.0
July 1990	59.3	57.1	63.5	59.9	54.7	51.9
August 1989	58.0	59.8	58.7	60.9	53.4	51.9
PAD District I Average						
August 1990	89.8	81.4	88.9	83.0	78.7	72.9
July 1990	57.5	57.7	62.0	58.2	55.4	53.0
August 1989	57.6	57.5	58.2	56.5	53.4	51.1
Subdistrict IA Average						
August 1990	89.2	83.4	W	85.0	78.3	74.9
July 1990	57.2	60.5	60.5	62.9	55.6	54.4
August 1989	W	58.1	58.0	59.5	53.4	52.0
Connecticut						
August 1990	W	W	-	W	78.6	74.1
July 1990	W	W	-	W	56.1	54.6
August 1989	W	W	-	W	54.4	52.2
Maine						
August 1990	-	W	-	85.9	W	75.5
July 1990	-	W	W	W	54.8	54.5
August 1989	-	W	W	W	53.1	51.4
Massachusetts						
August 1990	W	85.0	W	W	77.8	75.0
July 1990	W	W	57.6	W	55.3	54.4
August 1989	W	57.2	W	59.1	53.2	52.1
New Hampshire						
August 1990	W	W	W	W	78.4	75.3
July 1990	W	W	W	W	56.7	55.1
August 1989	-	W	NA	NA	53.6	52.3
Rhode Island						
August 1990	-	-	W	W	79.1	75.4
July 1990	-	-	W	W	59.0	53.5
August 1989	-	-	NA	NA	52.5	52.1
Vermont						
August 1990	-	W	-	W	84.3	75.7
July 1990	-	-	-	W	57.8	55.3
August 1989	-	W	NA	NA	54.4	53.2
Subdistrict IB Average						
August 1990	90.0	79.5	91.5	82.1	76.1	70.9
July 1990	57.2	56.6	62.3	57.1	56.6	53.0
August 1989	57.1	57.2	57.6	56.1	53.7	50.9
Delaware						
August 1990	-	W	-	W	72.5	W
July 1990	-	W	-	W	56.8	W
August 1989	-	W	NA	NA	52.0	W
District of Columbia						
August 1990	-	W	-	-	77.2	75.8
July 1990	-	W	-	-	54.4	55.0
August 1989	-	W	NA	NA	51.3	52.8
Maryland						
August 1990	W	83.7	W	83.7	71.3	73.3
July 1990	W	60.1	W	58.9	53.3	53.5
August 1989	W	58.8	NA	NA	50.9	52.1
New Jersey						
August 1990	101.2	72.3	91.4	81.1	75.5	66.1
July 1990	W	55.1	61.5	55.7	55.3	52.5
August 1989	W	56.0	56.7	54.2	52.9	50.2
New York						
August 1990	88.9	85.7	W	85.3	79.0	71.9
July 1990	63.8	59.0	W	59.5	59.1	54.5
August 1989	59.6	58.0	W	57.8	53.7	51.8
Pennsylvania						
August 1990	94.3	80.1	94.0	80.1	77.2	73.7
July 1990	69.2	60.0	78.8	55.4	57.4	52.9
August 1989	62.8	57.1	65.0	55.8	55.6	51.2
Subdistrict IC Average						
August 1990	87.9	83.1	86.2	84.0	76.8	75.0
July 1990	65.4	59.0	61.9	58.6	54.7	52.6
August 1989	64.9	57.8	60.4	56.4	53.2	51.1

See footnotes at end of table.

Table 36. Refiner Prices of Kerosene and Distillates (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						
August 1990	93.8	89.9	92.0	86.5	78.8	76.6
July 1990	86.6	81.6	84.1	81.0	56.1	53.1
August 1989	69.6	64.8	74.2	61.4	57.4	52.7
Oklahoma						
August 1990	-	78.7	W	73.0	77.5	72.2
July 1990	W	59.9	W	52.3	52.7	51.2
August 1989	W	61.7	W	54.6	53.9	52.9
South Dakota						
August 1990	-	94.3	W	85.0	72.7	77.7
July 1990	-	W	-	56.5	52.4	53.8
August 1989	NA	NA	-	60.3	55.1	56.6
Tennessee						
August 1990	94.8	86.1	W	84.2	76.3	76.7
July 1990	49.7	82.2	54.5	61.5	55.0	52.4
August 1989	W	58.4	W	57.7	53.0	51.1
Wisconsin						
August 1990	-	90.2	86.9	83.4	78.5	75.8
July 1990	-	W	W	59.5	53.5	52.1
August 1989	-	68.4	61.9	61.9	53.6	53.6
PAD District III Average						
August 1990	74.8	76.0	83.6	83.1	76.3	69.4
July 1990	53.3	54.3	56.7	58.4	54.2	50.3
August 1989	52.0	54.5	59.3	58.0	51.1	49.5
Alabama						
August 1990	W	85.3	-	84.3	74.6	75.2
July 1990	W	83.6	-	58.7	54.1	52.2
August 1989	-	58.2	NA	NA	51.2	51.5
Arkansas						
August 1990	W	79.0	-	W	80.6	75.8
July 1990	W	56.7	-	W	55.6	51.9
August 1989	W	56.0	NA	NA	53.5	51.4
Louisiana						
August 1990	W	73.6	W	81.1	74.1	72.2
July 1990	W	54.1	W	57.2	53.3	50.7
August 1989	61.4	53.1	NA	NA	51.0	49.0
Mississippi						
August 1990	W	W	W	W	78.1	70.3
July 1990	W	W	W	W	53.6	51.0
August 1989	-	W	NA	NA	48.2	48.7
New Mexico						
August 1990	-	86.3	-	86.1	81.4	78.1
July 1990	W	82.8	-	66.7	60.9	54.1
August 1989	W	67.6	W	67.1	55.9	53.5
Texas						
August 1990	W	79.7	W	82.1	75.5	66.7
July 1990	52.2	57.3	W	57.3	53.4	49.6
August 1989	W	56.2	61.3	55.5	50.7	49.1
PAD District IV Average						
August 1990	-	87.9	83.0	84.5	75.4	74.8
July 1990	-	62.0	73.2	58.4	52.2	51.7
August 1989	-	63.7	66.9	65.4	56.5	58.4
Colorado						
August 1990	-	86.8	87.5	83.9	76.6	76.9
July 1990	-	60.9	74.3	55.0	52.7	50.3
August 1989	-	W	66.7	59.9	54.0	54.3
Idaho						
August 1990	-	W	W	84.9	75.8	73.6
July 1990	-	-	-	59.6	W	52.7
August 1989	NA	NA	-	68.6	60.5	61.6
Montana						
August 1990	-	-	W	87.9	77.0	75.7
July 1990	-	-	W	62.1	51.3	54.0
August 1989	NA	NA	W	68.4	58.4	58.8
Utah						
August 1990	-	W	W	77.4	71.5	72.6
July 1990	-	W	W	61.0	50.7	51.2
August 1989	NA	NA	W	68.3	59.8	60.0

See footnotes at end of table.

Table 36. Refiner Prices of Kerosene and Distillates (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
Wyoming						
August 1990	-	-	75.8	86.0	76.5	75.0
July 1990	-	W	W	59.5	53.0	51.2
August 1989	NA	NA	67.2	66.6	54.9	59.3
PAD District V Average						
August 1990	W	85.3	82.5	85.5	72.7	73.3
July 1990	W	76.1	75.1	70.7	56.7	52.1
August 1989	W	71.3	59.0	67.1	53.6	53.3
Alaska						
August 1990	W	W	85.6	89.2	90.5	78.8
July 1990	W	W	W	76.0	79.8	66.8
August 1989	NA	NA	NA	NA	69.2	62.5
Arizona						
August 1990	-	W	W	W	80.5	76.0
July 1990	-	W	W	W	58.4	54.4
August 1989	NA	NA	NA	NA	52.3	51.9
California						
August 1990	-	W	W	87.2	72.1	73.5
July 1990	-	W	W	60.7	56.3	50.5
August 1989	NA	NA	W	63.0	52.3	52.6
Hawaii						
August 1990	-	-	W	W	61.7	73.1
July 1990	-	-	W	W	55.8	63.1
August 1989	NA	NA	NA	NA	57.4	61.7
Nevada						
August 1990	-	-	-	76.4	77.9	76.3
July 1990	-	-	W	59.9	60.1	52.6
August 1989	NA	NA	W	67.4	56.1	55.2
Oregon						
August 1990	-	W	W	84.7	75.9	72.7
July 1990	-	70.8	W	60.6	54.2	51.2
August 1989	NA	NA	W	64.5	53.9	53.9
Washington						
August 1990	-	76.2	W	77.9	72.5	70.0
July 1990	-	W	W	56.5	54.8	52.4
August 1989	NA	NA	63.5	63.3	53.2	51.8

Dashes (-) indicate 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 Type 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*	To Non- Residential End Users		To Residential Consumers*	To Non- Residential End Users		To Residential Consumers*	To Non- Residential End Users	
U.S. Average									
August 1990	87.3	75.9	73.0	90.1	87.0	75.5	90.0	83.1	73.0
July 1990	75.2	54.6	51.0	83.0	84.0	55.3	83.8	61.1	52.0
August 1989	69.9	53.3	51.9	81.8	63.5	54.2	81.6	59.5	52.0
PAD District I Average									
August 1990	86.2	76.5	72.9	99.8	86.4	75.6	99.8	82.7	74.1
July 1990	74.8	55.2	53.0	84.6	85.7	55.5	84.7	61.4	53.0
August 1989	68.7	53.2	51.1	82.4	63.1	53.4	82.2	59.0	52.0
Subdistrict IA Average									
August 1990	W	77.0	74.0	101.3	88.0	75.0	101.3	86.9	75.6
July 1990	W	55.2	54.4	84.7	70.9	54.0	84.6	67.5	54.7
August 1989	70.8	53.0	52.0	81.0	66.9	52.8	80.9	63.9	52.6
Connecticut									
August 1990	-	78.6	74.1	104.1	80.5	77.5	104.1	87.3	76.9
July 1990	-	56.1	54.6	85.4	72.5	54.5	85.4	69.2	54.5
August 1989	W	54.4	52.2	84.6	65.9	52.0	84.6	63.8	52.7
Maine									
August 1990	-	W	75.5	97.7	88.0	76.6	97.7	87.3	76.3
July 1990	-	54.8	54.5	74.2	67.5	53.9	74.2	66.5	54.0
August 1989	-	53.1	51.4	70.0	68.2	54.1	70.0	66.1	53.0
Massachusetts									
August 1990	W	77.2	75.0	102.3	89.4	71.9	102.3	86.0	72.9
July 1990	W	54.6	54.4	88.2	72.7	56.2	88.0	66.3	55.6
August 1989	W	52.4	52.1	81.2	66.4	52.2	81.1	62.1	52.2
New Hampshire									
August 1990	-	78.4	75.3	99.1	89.7	77.7	99.1	88.7	77.1
July 1990	-	56.7	55.1	80.7	69.3	52.3	80.7	68.0	52.7
August 1989	-	53.6	52.3	78.2	65.4	53.0	78.2	63.7	52.9
Rhode Island									
August 1990	W	77.9	75.4	102.7	86.9	76.8	102.3	85.7	76.4
July 1990	W	57.2	53.5	87.0	71.8	55.4	86.9	69.8	54.6
August 1989	W	W	52.1	84.4	65.7	51.8	84.1	62.1	51.9
Vermont									
August 1990	-	84.3	75.7	97.4	88.9	81.8	97.4	88.3	78.8
July 1990	-	57.8	55.3	85.4	74.5	60.6	85.4	72.0	57.9
August 1989	-	54.4	53.2	82.0	71.5	57.8	82.0	69.4	56.2
Subdistrict IB Average									
August 1990	85.1	75.6	70.9	98.8	84.1	73.6	98.4	81.5	71.9
July 1990	74.8	56.2	53.0	84.7	64.3	55.2	84.4	61.4	53.7
August 1989	68.4	53.3	50.9	84.0	63.3	52.8	83.6	59.3	51.7
Delaware									
August 1990	-	72.5	W	94.0	82.3	73.6	94.0	80.2	75.9
July 1990	-	56.8	W	77.9	64.5	56.0	77.9	63.0	53.6
August 1989	-	52.0	W	78.8	61.3	52.1	78.8	58.5	49.7
District of Columbia									
August 1990	-	77.2	75.8	109.8	77.0	NA	109.8	77.0	75.6
July 1990	-	54.4	55.0	97.6	62.3	W	97.6	57.5	54.5
August 1989	-	51.3	52.8	90.1	63.7	50.4	90.1	56.0	51.2
Maryland									
August 1990	W	71.3	73.3	100.3	86.0	76.1	100.3	80.8	74.2
July 1990	W	53.3	53.5	86.3	67.4	56.4	86.2	61.9	54.7
August 1989	W	50.9	52.1	85.3	63.0	56.7	85.3	57.9	54.9
New Jersey									
August 1990	-	75.5	66.1	102.1	85.4	72.6	102.1	81.1	68.9
July 1990	-	55.3	52.5	85.4	64.1	54.8	85.4	60.4	53.2
August 1989	W	52.9	50.2	80.4	60.5	50.4	80.1	56.4	50.3
New York									
August 1990	90.0	78.2	71.9	102.8	86.1	75.4	102.6	84.1	73.2
July 1990	W	58.6	54.5	93.4	68.4	56.1	93.3	65.2	55.1
August 1989	68.9	53.2	51.8	90.5	65.8	56.3	90.1	61.3	54.0

See footnotes at end of table.

Table 37. No. 2 Distillate Prices by Seller Type 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									
August 1990	W	76.8	73.7	93.1	82.2	73.4	92.6	80.7	73.6
July 1990	W	66.6	62.9	74.3	61.3	64.6	74.3	60.8	63.4
August 1989	W	64.0	61.2	72.8	62.3	61.0	72.6	60.7	61.4
Subdistrict 10 Average^b									
August 1990	W	76.8	76.0	100.4	87.8	78.9	100.4	82.4	78.1
July 1990	W	64.7	62.6	86.4	66.3	67.0	86.3	60.1	63.8
August 1989	W	63.2	61.1	79.0	61.9	66.6	78.9	67.8	62.4
Virginia									
August 1990	W	76.6	76.0	102.6	87.2	76.0	102.6	83.2	76.2
July 1990	W	64.4	62.7	89.7	67.0	67.8	89.7	62.2	63.8
August 1989	-	63.1	61.0	78.1	62.6	62.8	78.1	69.0	61.6
West Virginia									
August 1990	W	80.6	77.4	98.4	90.8	86.9	98.1	88.0	79.8
July 1990	W	66.1	62.9	79.4	64.6	60.2	79.2	62.1	64.3
August 1989	W	66.7	63.6	73.9	62.8	68.3	73.6	69.7	66.1
PAD District II Average^b									
August 1990	W	76.8	76.0	96.2	87.1	78.2	96.1	83.6	78.6
July 1990	W	63.8	62.3	79.6	64.1	66.2	79.4	60.7	63.0
August 1989	W	64.4	63.4	77.8	63.3	66.6	77.6	60.0	64.0
Illinois									
August 1990	-	76.7	74.0	97.2	84.0	79.2	97.2	82.0	76.6
July 1990	-	62.4	60.7	76.7	60.9	64.4	76.7	68.3	61.8
August 1989	-	63.6	61.9	78.3	68.4	63.9	78.3	67.0	62.6
Indiana									
August 1990	W	72.6	76.1	98.2	87.6	74.6	98.1	80.6	74.9
July 1990	W	61.6	61.8	74.7	63.6	62.6	74.7	67.9	61.8
August 1989	W	62.6	62.3	76.8	62.7	63.9	76.8	66.9	62.7
Michigan									
August 1990	-	74.6	77.2	100.3	88.8	79.7	100.3	84.7	78.2
July 1990	-	63.6	62.7	82.4	68.6	66.9	82.4	64.8	64.6
August 1989	-	64.0	63.7	79.1	67.2	67.6	79.1	63.0	64.9
Minnesota									
August 1990	-	77.3	77.6	102.1	91.7	78.9	102.1	87.2	77.0
July 1990	-	64.3	63.9	83.0	71.2	68.6	83.0	66.1	66.3
August 1989	-	66.8	66.0	79.4	73.3	68.0	79.4	67.4	68.3
Ohio									
August 1990	W	78.7	76.6	93.6	88.3	79.6	93.3	83.0	77.3
July 1990	W	66.0	63.1	81.9	66.1	64.4	81.6	60.4	63.4
August 1989	W	67.3	62.7	78.4	62.6	64.0	78.1	69.1	63.0
Wisconsin									
August 1990	-	78.6	76.8	92.0	86.6	78.8	92.0	84.2	78.6
July 1990	-	63.6	62.1	77.6	67.4	64.3	77.6	64.7	62.6
August 1989	-	63.6	63.6	76.6	63.9	64.9	76.6	61.6	64.0
PAD District III Average									
August 1990	-	76.3	69.4	NA	86.1	70.7	NA	82.4	69.6
July 1990	-	64.2	60.3	NA	63.2	62.0	NA	60.9	60
August 1989	-	61.1	49.6	60.4	69.7	61.1	60.4	66.2	49.7
PAD District IV Average^b									
August 1990	-	76.4	74.8	92.3	88.1	80.3	92.3	83.8	76.9
July 1990	-	62.2	61.7	71.8	66.4	60.6	71.8	61.3	63.1
August 1989	-	66.6	68.4	78.0	71.0	66.0	78.0	64.9	69.2
Idaho									
August 1990	-	76.8	73.6	90.6	86.9	81.3	90.6	84.6	76.4
July 1990	-	62.7	60.6	70.6	66.4	68.0	70.6	63.8	63.6
August 1989	-	60.6	61.6	77.0	73.7	68.3	77.0	71.6	63.0

See footnotes at end of table.

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

Geographic Area Month	Refiners			Resellers and Retailers			All Sellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users	
PAD District V Average ^b									
August 1990	W	72.7	73.3	98.7	88.1	75.2	98.8	82.8	73.8
July 1990	W	68.8	52.1	80.8	88.2	58.5	80.5	82.9	53.2
August 1989	W	53.5	53.3	87.9	87.3	57.1	87.8	82.0	54.2
Alaska									
August 1990	W	90.1	78.8	118.4	98.8	74.9	114.7	95.8	78.0
July 1990	W	79.5	68.8	98.9	88.2	67.0	97.8	87.0	68.8
August 1989	W	88.7	82.5	109.4	88.1	61.0	108.1	82.4	82.2
Oregon									
August 1990	W	75.8	72.7	98.3	87.4	NA	95.3	84.5	78.3
July 1990	W	53.9	51.2	79.2	85.8	82.4	79.3	83.2	54.0
August 1989	W	53.7	53.9	70.7	88.4	64.1	71.2	83.1	58.7
Washington									
August 1990	NA	72.3	70.0	91.0	82.8	78.1	91.0	80.7	71.8
July 1990	W	54.8	52.4	78.3	83.8	58.8	78.3	81.5	53.4
August 1989	NA	53.0	51.8	77.9	85.2	59.2	78.1	81.1	53.1

^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 and Selected States
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Average	Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c		
U.S. Average							
August 1990	98.9	78.4	83.1	88.5	86.3	84.8	73.8
July 1990	83.8	56.7	60.0	66.7	64.2	62.8	52.8
August 1989	81.6	55.6	58.1	64.3	63.2	61.2	52.6
PAD District I Average							
August 1990	99.6	80.0	84.9	88.5	82.4	87.2	74.1
July 1990	84.7	58.9	61.8	68.4	61.2	66.0	53.9
August 1989	82.2	56.6	58.5	65.7	59.8	63.6	52.0
Subdistrict IA Average							
August 1990	101.3	85.4	87.8	95.2	85.5	93.5	75.6
July 1990	84.6	66.0	66.5	77.3	64.5	74.6	54.7
August 1989	80.9	61.9	61.4	76.6	64.2	71.0	52.6
Connecticut							
August 1990	104.1	86.3	87.7	99.7	85.5	97.0	76.9
July 1990	85.4	68.4	69.1	80.7	65.0	77.3	54.5
August 1989	84.6	62.7	62.4	80.5	61.2	73.6	52.7
Maine							
August 1990	97.7	85.4	86.0	92.0	87.3	91.2	76.3
July 1990	74.2	63.6	63.3	72.9	66.7	68.6	54.0
August 1989	70.0	60.3	60.4	78.7	67.2	67.2	53.0
Massachusetts							
August 1990	102.3	84.9	93.6	99.6	80.5	92.5	72.9
July 1990	88.0	65.8	65.5	82.3	57.9	75.5	55.6
August 1989	81.1	61.7	61.0	71.9	61.6	70.3	52.2
New Hampshire							
August 1990	99.1	85.5	81.1	96.9	NA	94.1	77.1
July 1990	80.7	63.7	59.4	79.8	67.3	73.6	52.7
August 1989	78.2	59.9	59.4	74.1	59.7	69.4	52.9
Rhode Island							
August 1990	102.3	85.7	83.5	93.0	84.6	94.6	76.4
July 1990	86.9	67.9	W	79.7	62.3	78.1	54.6
August 1989	84.1	63.0	56.6	71.7	58.0	72.9	51.9
Vermont							
August 1990	97.4	88.7	82.5	100.1	89.8	92.7	78.8
July 1990	85.4	70.7	65.9	85.1	72.1	77.2	57.9
August 1989	82.0	67.9	65.0	76.2	71.9	75.2	56.2
Subdistrict IB Average							
August 1990	98.4	79.6	80.8	91.2	81.1	87.4	71.9
July 1990	84.4	60.0	59.4	72.2	60.3	67.4	53.7
August 1989	83.6	57.6	57.2	68.9	58.5	65.8	51.7
Delaware							
August 1990	94.0	73.9	81.6	87.8	80.3	83.9	75.9
July 1990	77.9	58.6	57.8	72.7	62.7	65.7	53.6
August 1989	78.8	59.6	55.0	64.2	57.2	61.5	49.7
District of Columbia							
August 1990	109.8	76.8	W	W	NA	82.3	75.6
July 1990	97.6	58.6	W	W	W	60.7	54.5
August 1989	90.1	57.0	W	W	W	57.5	51.2
Maryland							
August 1990	100.3	79.3	81.5	89.6	80.0	84.2	74.2
July 1990	86.2	58.5	62.3	71.7	64.9	64.6	54.7
August 1989	85.3	55.0	57.5	67.9	58.5	61.3	54.9
New Jersey							
August 1990	102.1	81.3	76.6	88.5	81.1	88.3	68.9
July 1990	85.4	59.6	57.9	71.5	59.3	65.8	53.2
August 1989	80.1	55.7	53.9	68.0	54.7	61.0	50.3
New York							
August 1990	102.6	83.3	78.8	96.6	78.7	93.0	73.2
July 1990	93.3	64.4	59.9	81.4	60.4	75.9	55.1
August 1989	90.1	60.9	57.9	78.3	55.3	72.6	54.0

See footnotes at end of table.

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

Geographic Area Month	Sales to End Users					Average	Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c		
Pennsylvania							
August 1990	92.5	76.8	83.2	90.0	82.7	84.6	73.6
July 1990	74.3	58.1	59.0	68.2	58.6	63.3	53.4
August 1989	72.6	56.0	60.0	65.2	62.2	62.7	51.4
Subdistrict IC Average^d							
August 1990	100.4	78.3	86.8	86.3	82.8	84.2	76.1
July 1990	86.3	55.3	62.0	65.5	61.5	61.5	53.6
August 1989	78.9	54.6	58.7	62.7	60.6	58.9	52.4
Virginia							
August 1990	102.6	78.9	88.4	87.2	82.9	86.1	75.2
July 1990	89.7	56.1	64.6	67.2	63.6	64.5	53.6
August 1989	78.1	55.2	56.7	65.8	64.4	60.8	51.5
West Virginia							
August 1990	98.1	85.7	89.4	92.5	84.8	88.5	79.6
July 1990	79.2	58.3	63.9	70.3	61.1	62.8	54.3
August 1989	73.6	56.7	63.4	69.5	57.8	60.0	55.1
PAD District II Average^d							
August 1990	96.1	78.2	82.8	88.1	89.5	84.3	76.5
July 1990	79.4	55.5	59.8	64.1	66.4	61.3	53.0
August 1989	77.5	55.0	58.3	62.2	67.2	60.6	54.0
Illinois							
August 1990	97.2	79.3	80.9	87.1	85.8	82.4	75.5
July 1990	76.7	54.1	59.9	64.8	63.9	58.7	51.6
August 1989	78.3	54.3	54.2	64.3	62.9	57.2	52.6
Indiana							
August 1990	98.1	75.3	77.5	85.9	89.1	81.3	74.9
July 1990	74.7	53.1	56.8	61.6	70.7	58.4	51.8
August 1989	75.8	54.3	55.0	58.6	64.0	57.6	52.7
Michigan							
August 1990	100.3	83.0	84.0	89.0	84.5	86.3	78.2
July 1990	82.4	61.8	61.7	66.2	70.0	66.2	54.5
August 1989	79.1	59.8	63.7	61.9	70.4	64.7	54.9
Minnesota							
August 1990	102.1	77.3	82.6	89.7	94.0	89.3	77.9
July 1990	83.0	54.1	57.6	68.5	74.3	66.7	55.3
August 1989	79.4	57.2	59.0	74.9	73.2	68.5	56.3
Ohio							
August 1990	93.3	78.8	85.0	87.8	88.6	84.0	77.3
July 1990	81.6	58.1	61.9	62.2	63.0	61.4	53.4
August 1989	78.1	54.4	62.8	63.3	64.3	60.4	53.0
Wisconsin							
August 1990	92.0	79.5	77.1	89.5	90.0	85.4	76.5
July 1990	77.5	57.2	58.3	65.8	75.2	65.9	52.5
August 1989	75.5	59.3	57.0	65.1	63.7	62.7	54.0
PAD District III Average							
August 1990	NA	75.6	81.9	87.8	84.7	82.4	69.6
July 1990	NA	53.3	58.7	65.2	62.4	59.9	50.7
August 1989	60.4	53.0	54.0	61.6	58.2	56.2	49.7
PAD District IV Average^d							
August 1990	92.3	77.7	83.7	86.6	88.7	84.0	75.9
July 1990	71.8	53.2	58.6	68.1	68.2	61.4	53.1
August 1989	76.0	58.9	63.6	71.1	69.8	65.0	59.2
Idaho							
August 1990	90.6	79.5	77.4	83.3	88.0	84.9	75.4
July 1990	70.5	55.9	57.0	68.5	67.7	64.0	53.5
August 1989	77.0	65.7	67.6	74.4	73.9	71.6	63.0

See footnotes at end of table.

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

Geographic Area Month	Sales to End Users					Average	Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c		
PAD District V Average ^d							
August 1990	96.6	77.6	81.7	92.4	85.0	83.1	73.8
July 1990	80.5	58.9	59.5	74.0	63.6	63.2	53.2
August 1989	87.6	56.5	60.6	70.0	64.7	62.4	54.2
Alaska							
August 1990	114.7	94.6	100.3	102.8	91.7	97.0	78.0
July 1990	97.8	92.5	84.0	96.1	76.9	87.8	66.8
August 1989	108.1	80.6	77.9	96.3	82.7	84.8	62.2
Oregon							
August 1990	95.3	79.0	82.8	93.4	85.6	85.1	78.3
July 1990	79.3	57.6	59.7	70.5	66.7	63.7	54.0
August 1989	71.2	57.5	60.6	73.9	67.1	63.4	56.7
Washington							
August 1990	91.0	77.0	78.0	89.8	84.2	81.4	71.6
July 1990	76.3	56.8	58.7	77.3	65.5	62.3	53.4
August 1989	78.1	54.6	58.4	73.6	64.9	61.7	53.1

^a No. 2 fuel oil only.

^b No. 2 diesel fuel only.

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

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

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

Table 39. No. 2 Fuel Oil Prices by Sales Type 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 ^a	Average	
U.S. Average						
August 1990	98.9	79.1	81.4	80.1	90.1	72.5
July 1990	83.8	58.1	60.8	57.4	69.5	52.3
August 1989	81.6	56.6	57.1	55.3	68.0	51.3
PAD District I Average						
August 1990	99.6	80.5	81.2	79.7	91.9	72.9
July 1990	84.7	59.9	61.1	57.3	72.0	53.4
August 1989	82.2	57.8	55.9	54.2	70.2	51.2
Subdistrict IA Average						
August 1990	101.3	83.5	83.0	83.0	95.2	75.0
July 1990	84.6	63.2	63.9	61.7	77.4	54.0
August 1989	80.9	61.2	57.4	59.3	75.5	51.9
Connecticut						
August 1990	104.1	81.8	80.0	81.3	99.4	76.7
July 1990	85.4	68.2	65.8	62.6	80.9	53.9
August 1989	84.6	63.6	58.1	54.5	79.7	52.3
Maine						
August 1990	97.7	86.5	85.3	86.6	92.5	75.6
July 1990	74.2	64.5	64.3	65.8	69.2	53.2
August 1989	70.0	62.6	60.4	64.3	66.5	52.3
Massachusetts						
August 1990	102.3	82.0	83.4	79.1	93.7	71.7
July 1990	88.0	59.6	61.8	55.1	78.7	55.0
August 1989	81.1	58.6	53.6	53.1	75.6	51.4
New Hampshire						
August 1990	99.1	82.7	81.3	78.9	95.5	76.2
July 1990	80.7	60.9	57.6	57.9	74.9	51.7
August 1989	73.2	57.2	56.1	53.2	71.9	52.2
Rhode Island						
August 1990	102.3	86.2	87.0	W	98.7	75.8
July 1990	86.9	68.7	77.5	W	83.1	54.0
August 1989	84.1	65.9	61.0	58.7	80.8	51.5
Vermont						
August 1990	97.4	90.4	82.1	80.7	95.0	77.2
July 1990	85.4	71.0	64.5	61.3	80.5	56.3
August 1989	82.0	69.1	57.7	62.2	78.9	54.1
Subdistrict IB Average						
August 1990	98.4	83.1	79.8	77.4	91.9	71.1
July 1990	84.4	62.5	58.7	55.6	72.3	53.4
August 1989	83.6	60.2	55.8	51.6	71.0	51.0
Delaware						
August 1990	94.0	80.0	79.7	72.7	89.1	76.5
July 1990	77.9	61.5	59.0	53.4	70.3	53.9
August 1989	78.8	60.6	56.2	W	62.5	49.0
District of Columbia						
August 1990	109.8	77.1	-	-	89.0	75.3
July 1990	97.6	62.1	-	W	62.3	53.6
August 1989	90.1	63.5	-	W	59.9	50.7
Maryland						
August 1990	100.3	78.6	74.6	74.3	85.9	74.1
July 1990	86.2	60.5	59.2	56.4	68.2	55.3
August 1989	85.3	58.5	53.8	51.7	64.7	55.5
New Jersey						
August 1990	102.1	84.4	73.4	76.9	93.9	68.3
July 1990	85.4	61.8	57.5	57.9	72.1	52.9
August 1989	80.1	60.5	54.0	51.8	66.8	50.0
New York						
August 1990	102.6	85.1	78.3	76.0	96.4	72.3
July 1990	93.3	66.8	58.6	57.2	80.3	54.3
August 1989	90.1	60.9	56.2	51.5	76.8	51.8

See footnotes at end of table.

Table 39. No. 2 Fuel Oil Prices by Sales Type 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	
Pennsylvania						
August 1990	92.5	83.6	84.3	79.4	88.7	72.8
July 1990	74.3	58.0	59.4	53.1	65.8	53.2
August 1989	72.6	58.3	58.3	51.6	65.3	51.2
Subdistrict IC Average^b						
August 1990	100.4	73.1	84.8	82.4	87.8	75.3
July 1990	86.3	55.0	64.5	59.6	65.5	52.8
August 1989	78.9	52.7	55.6	60.0	62.1	51.4
Virginia						
August 1990	102.6	78.1	85.4	74.7	91.5	74.6
July 1990	89.7	55.9	67.4	55.2	67.4	53.0
August 1989	78.1	57.1	56.4	61.8	65.2	51.2
West Virginia						
August 1990	98.1	90.7	88.2	69.1	89.6	77.2
July 1990	79.2	67.0	64.2	W	68.0	52.4
August 1989	73.6	62.3	59.5	52.5	59.1	53.6
PAD District II Average^b						
August 1990	96.1	76.1	81.5	82.0	85.5	76.3
July 1990	79.4	53.9	59.0	56.0	62.2	51.9
August 1989	77.5	54.5	59.0	58.9	62.7	53.1
Illinois						
August 1990	97.2	78.0	98.6	81.3	84.0	76.3
July 1990	76.7	54.5	70.6	52.2	59.6	50.6
August 1989	78.3	55.8	67.1	55.9	59.2	51.5
Indiana						
August 1990	98.1	73.1	80.3	73.1	82.4	75.6
July 1990	74.7	54.2	57.4	60.4	60.5	51.2
August 1989	75.8	53.9	54.9	58.6	59.6	51.9
Michigan						
August 1990	100.3	79.5	82.8	80.3	90.4	77.5
July 1990	82.4	55.0	67.0	55.4	68.0	53.1
August 1989	79.1	52.1	NA	62.0	67.4	53.7
Minnesota						
August 1990	102.1	74.6	80.0	90.0	90.1	77.2
July 1990	83.0	54.0	57.9	66.8	67.9	53.5
August 1989	79.4	58.5	55.0	62.9	67.9	55.5
Ohio						
August 1990	93.3	76.5	73.8	74.9	84.1	76.7
July 1990	81.6	52.1	53.5	W	59.7	52.2
August 1989	78.1	51.7	53.4	W	61.4	52.6
Wisconsin						
August 1990	92.0	78.4	85.8	87.6	87.0	75.9
July 1990	77.5	57.5	62.7	70.8	68.2	51.6
August 1989	75.5	61.8	59.8	59.9	67.2	53.0
PAD District III Average						
August 1990	NA	67.4	79.0	72.1	71.7	65.0
July 1990	NA	50.8	52.1	53.2	52.5	49.4
August 1989	60.4	48.4	51.3	48.9	48.8	48.1
PAD District IV Average^b						
August 1990	92.3	78.8	W	NA	86.3	74.6
July 1990	71.8	48.1	W	59.8	58.4	51.1
August 1989	76.0	W	W	W	55.7	56.7
Idaho						
August 1990	90.6	W	-	-	88.6	72.4
July 1990	70.5	W	W	W	68.3	52.8
August 1989	77.0	NA	W	W	76.6	61.0

See footnotes at end of table.

Table 39. No. 2 Fuel Oil Prices by Sales Type 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						
August 1990	96.6	89.6	84.3	78.2	89.5	72.9
July 1990	80.5	72.3	67.9	65.1	72.5	58.3
August 1989	87.6	71.5	62.3	68.3	75.1	56.7
Alaska						
August 1990	114.7	101.0	W	90.3	104.0	85.6
July 1990	97.8	88.1	W	75.6	88.5	71.5
August 1989	108.1	88.7	W	73.8	95.2	68.6
Oregon						
August 1990	95.3	84.8	86.2	79.6	90.4	73.2
July 1990	79.3	74.2	W	W	74.2	52.0
August 1989	71.2	W	W	W	66.7	54.2
Washington						
August 1990	91.0	83.6	83.2	75.9	85.6	71.8
July 1990	76.3	66.2	65.4	66.1	69.6	53.0
August 1989	78.1	59.3	63.2	64.0	68.3	52.8

^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								
August 1990	65.4	63.3	50.7	49.6	39.4	40.8	44.1	44.2
July 1990	43.9	43.4	36.3	33.4	28.3	25.3	31.9	29.1
August 1989	46.2	41.6	39.4	36.7	34.8	32.9	37.1	34.6
PAD District I Average								
August 1990	62.1	59.1	51.5	54.3	43.8	45.9	48.2	51.6
July 1990	44.2	42.8	35.7	35.7	30.2	29.8	33.2	34.6
August 1989	45.9	43.7	38.7	39.4	36.9	34.5	38.1	38.1
Subdistrict IA Average								
August 1990	62.5	W	47.7	47.0	35.7	W	43.7	48.9
July 1990	47.7	44.0	34.1	34.7	W	W	32.9	33.1
August 1989	44.0	W	38.6	39.2	W	W	38.1	36.2
Subdistrict IB Average								
August 1990	61.9	59.6	50.9	W	45.9	42.9	48.4	52.2
July 1990	43.9	43.3	37.0	35.7	29.5	29.6	33.6	35.0
August 1989	46.0	44.4	39.5	39.5	36.7	34.2	38.5	38.7
Subdistrict IC Average								
August 1990	63.4	59.7	53.6	-	43.2	49.0	49.8	49.0
July 1990	45.5	W	W	W	31.3	30.7	32.7	31.0
August 1989	46.6	43.0	W	W	37.6	38.2	37.6	37.8
PAD District II Average								
August 1990	W	66.5	46.1	38.8	W	30.1	29.0	30.8
July 1990	W	45.4	34.5	W	22.9	22.3	26.9	22.8
August 1989	W	48.6	39.9	31.2	W	27.4	32.4	28.5
PAD District III Average								
August 1990	58.2	43.5	W	45.0	34.4	41.1	35.6	43.2
July 1990	W	W	W	31.8	25.7	26.3	26.7	28.1
August 1989	W	40.3	W	34.2	33.6	31.7	33.8	32.6
PAD District IV Average								
August 1990	-	-	-	45.8	30.3	32.4	30.3	41.6
July 1990	-	-	W	31.4	W	W	33.2	28.0
August 1989	-	-	-	39.2	23.1	NA	23.1	38.5
PAD District V Average								
August 1990	W	W	42.0	48.1	38.9	40.8	39.6	41.8
July 1990	W	44.6	39.5	28.6	25.9	24.3	31.0	25.6
August 1989	W	41.3	47.2	34.8	33.6	33.9	38.8	34.1

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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.

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

Table 41. Residual Fuel Oil Prices for 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						
August 1990	50.1	49.2	39.9	41.8	44.6	45.2
July 1990	36.6	33.7	28.6	26.1	32.2	30.6
August 1989	39.8	37.4	35.4	34.1	37.8	35.7
PAD District I Average						
August 1990	52.5	54.2	42.2	42.8	48.1	50.3
July 1990	36.7	35.3	29.7	30.1	33.3	34.7
August 1989	39.8	39.5	37.4	36.2	39.0	38.4
Subdistrict IA Average*						
August 1990	48.9	54.2	35.5	43.9	41.3	48.7
July 1990	34.6	35.3	28.4	30.7	32.1	33.9
August 1989	39.0	38.9	36.4	W	37.7	35.8
Connecticut						
August 1990	48.5	51.0	W	-	46.7	51.0
July 1990	34.5	W	-	-	34.5	W
August 1989	38.8	37.4	W	-	38.6	37.4
Maine						
August 1990	49.6	W	39.3	48.6	40.1	48.6
July 1990	35.7	W	30.4	31.5	32.2	34.4
August 1989	47.9	W	36.3	W	36.8	W
Massachusetts						
August 1990	51.0	54.8	33.7	41.1	36.1	48.6
July 1990	34.0	35.4	27.4	30.3	29.2	33.4
August 1989	38.5	39.4	36.4	34.2	37.0	36.3
New Hampshire						
August 1990	45.9	W	43.3	W	43.4	44.8
July 1990	35.0	W	31.3	W	31.6	34.4
August 1989	W	W	37.9	W	39.6	W
Rhode Island						
August 1990	48.9	W	-	W	48.9	W
July 1990	35.6	W	-	-	35.6	W
August 1989	40.5	39.0	-	-	40.5	39.0
Subdistrict IB Average*						
August 1990	53.1	54.9	45.2	42.0	50.0	50.9
July 1990	38.3	36.0	30.1	29.7	35.1	35.4
August 1989	41.1	39.7	37.8	37.3	40.1	39.0
Delaware						
August 1990	57.6	W	36.5	-	48.4	W
July 1990	39.2	W	29.5	-	35.6	W
August 1989	39.1	W	40.2	-	39.4	W
Maryland						
August 1990	47.2	51.0	43.5	47.6	46.6	48.6
July 1990	36.3	32.3	28.0	W	33.1	32.6
August 1989	40.9	38.4	36.7	W	38.9	38.4
New Jersey						
August 1990	54.2	56.5	37.6	47.3	48.0	54.6
July 1990	38.5	35.4	27.7	26.5	34.8	34.1
August 1989	40.1	40.7	36.4	38.3	38.5	39.0
New York						
August 1990	56.0	54.2	47.9	49.5	52.6	53.8
July 1990	38.6	37.1	31.2	33.3	36.1	37.0
August 1989	41.7	40.2	39.2	35.2	40.9	39.4
Pennsylvania						
August 1990	46.3	53.2	46.6	37.1	46.4	43.1
July 1990	37.6	37.3	31.1	W	33.1	35.8
August 1989	40.8	38.8	38.2	37.5	40.6	38.5
Subdistrict IC Average*						
August 1990	53.2	W	43.4	43.2	49.3	50.2
July 1990	35.1	33.0	29.9	30.7	31.4	32.6
August 1989	37.9	W	37.7	38.1	37.8	38.9
Florida						
August 1990	51.8	W	43.0	W	49.3	50.5
July 1990	35.1	33.3	29.4	30.4	31.3	33.1
August 1989	37.0	W	37.2	W	37.0	W
Georgia						
August 1990	-	-	41.0	W	41.0	W
July 1990	W	-	32.2	W	32.3	W
August 1989	W	-	39.0	-	39.0	-

See footnotes at end of table.

Table 41. Residual Fuel Oil Prices for 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						
August 1990	W	W	44.8	50.6	45.2	50.2
July 1990	W	W	31.5	W	32.1	28.8
August 1989	46.6	W	38.7	36.5	39.2	36.3
South Carolina						
August 1990	W	-	43.4	W	44.0	W
July 1990	W	-	32.8	W	32.9	W
August 1989	W	-	38.0	W	38.5	W
Virginia						
August 1990	W	NA	45.3	43.8	55.2	44.1
July 1990	40.4	W	31.9	31.0	32.1	31.1
August 1989	40.9	W	38.0	39.0	40.1	39.5
PAD District II Average^a						
August 1990	37.3	38.5	29.5	33.5	33.2	34.2
July 1990	36.8	33.7	28.4	24.2	32.5	25.5
August 1989	39.3	31.5	32.0	29.5	35.1	30.0
Illinois						
August 1990	W	W	NA	35.1	27.5	35.3
July 1990	34.2	W	W	24.5	27.0	26.6
August 1989	40.0	W	32.7	W	34.2	32.2
Indiana						
August 1990	47.7	W	27.0	32.4	32.9	32.5
July 1990	40.5	W	28.4	30.0	30.8	29.9
August 1989	W	W	30.9	W	31.8	W
Michigan						
August 1990	44.0	41.6	W	W	43.9	34.9
July 1990	44.2	40.6	W	22.8	43.6	34.4
August 1989	44.5	35.7	34.5	W	42.5	33.5
Minnesota						
August 1990	W	W	30.6	W	30.8	34.6
July 1990	-	W	32.2	W	32.2	34.9
August 1989	W	W	34.6	W	35.7	36.9
Ohio						
August 1990	35.0	-	30.7	W	34.0	W
July 1990	29.0	W	27.9	W	28.9	27.5
August 1989	35.9	W	37.9	W	36.6	33.8
PAD District III Average^a						
August 1990	46.8	45.7	35.4	44.9	37.4	45.4
July 1990	33.1	31.7	26.0	27.4	27.4	29.2
August 1989	35.8	36.6	33.6	33.4	33.9	34.8
Alabama						
August 1990	-	W	40.7	-	40.7	W
July 1990	W	-	26.9	W	27.5	W
August 1989	-	W	35.7	W	35.7	32.5
Louisiana						
August 1990	47.2	49.0	33.0	45.9	37.4	47.2
July 1990	33.2	33.2	25.9	28.9	28.3	30.6
August 1989	37.0	37.2	33.3	31.7	34.0	33.4
Mississippi						
August 1990	-	-	W	-	W	-
July 1990	-	-	W	-	W	-
Texas						
August 1990	W	43.4	36.9	43.1	36.9	43.3
July 1990	29.8	30.5	25.7	25.7	25.8	27.9
August 1989	34.0	36.5	33.6	34.7	33.7	35.6
PAD District IV Average						
August 1990	W	45.8	30.3	32.4	31.2	41.6
July 1990	W	31.4	30.4	W	34.3	28.0
August 1989	-	39.2	23.1	NA	23.1	38.5
PAD District V Average^a						
August 1990	NA	41.2	41.8	40.8	40.6	40.9
July 1990	37.2	29.6	27.9	24.7	31.3	26.4
August 1989	41.4	34.0	34.0	34.2	37.4	34.1

See footnotes at end of table.

Table 41. Residual Fuel Oil Prices for 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						
August 1990	NA	41.1	40.6	37.1	38.5	38.3
July 1990	32.3	30.0	26.8	24.6	28.6	26.4
August 1989	32.3	34.6	34.2	34.3	33.5	34.4
Hawaii						
August 1990	42.1	-	38.0	W	41.0	W
July 1990	40.6	-	30.0	W	38.7	W
August 1989	47.5	-	35.3	W	44.8	W
Oregon						
August 1990	W	W	48.8	44.7	48.8	45.2
July 1990	W	W	33.9	26.5	33.9	27.6
August 1989	W	W	37.4	42.6	38.4	41.7
Washington						
August 1990	-	W	43.0	38.5	43.0	38.5
July 1990	W	W	27.4	24.3	27.4	24.3
August 1989	W	W	32.5	30.6	32.6	30.6

• 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 Type
(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									
August 1990	1,398,199	79,060	6,964,404	448,670	26,496	1,854,306	1,846,869	105,556	8,818,710
July 1990	1,344,658	72,792	6,633,003	461,024	36,231	2,013,587	1,805,682	109,023	8,646,590
August 1989	1,413,980	72,724	6,581,830	413,493	38,781	1,855,378	1,827,473	111,505	8,437,208
PAD District I Total									
August 1990	441,832	25,624	2,660,065	75,658	10,087	260,813	517,490	35,711	2,920,878
July 1990	407,243	23,077	2,500,713	72,363	9,885	382,337	479,606	32,962	2,883,050
August 1989	425,489	22,094	2,527,728	63,896	12,655	329,936	489,385	34,749	2,857,664
Subdistrict IA Total									
August 1990	29,782	W	337,305	-	W	19,348	29,782	2,990	356,653
July 1990	26,598	W	313,381	-	W	52,796	26,598	3,676	366,177
August 1989	24,620	W	334,686	-	W	24,960	24,620	3,355	359,646
Connecticut									
August 1990	W	W	W	-	W	W	W	486	101,888
July 1990	W	W	W	-	W	W	W	906	93,427
August 1989	W	W	W	-	W	W	W	562	94,307
Maine									
August 1990	W	100	W	-	W	W	W	W	45,098
July 1990	W	W	W	-	W	W	W	90	44,196
August 1989	W	W	W	-	W	W	W	226	47,081
Massachusetts									
August 1990	17,328	W	133,863	-	W	12,275	17,328	1,866	146,138
July 1990	15,694	W	128,954	-	W	41,494	15,694	2,226	170,448
August 1989	14,265	W	141,002	-	W	20,307	14,265	1,870	161,309
New Hampshire									
August 1990	W	W	W	-	W	W	W	372	18,393
July 1990	2,681	W	W	-	W	W	2,681	310	15,495
August 1989	3,378	W	W	-	W	W	3,378	474	14,392
Rhode Island									
August 1990	2,788	W	W	-	W	W	2,788	63	40,159
July 1990	2,665	37	W	-	W	W	2,665	W	37,650
August 1989	2,093	95	W	-	W	W	2,093	W	36,906
Vermont									
August 1990	W	W	W	-	-	W	W	W	4,977
July 1990	W	W	W	-	-	W	W	W	4,961
August 1989	W	W	W	-	-	W	W	W	5,651
Subdistrict IB Total									
August 1990	161,636	W	1,153,849	30,514	W	122,821	192,150	11,442	1,276,670
July 1990	147,459	W	1,085,389	29,448	W	175,215	176,907	11,756	1,260,604
August 1989	148,593	W	1,090,268	26,883	W	148,143	175,476	9,649	1,238,411
Delaware									
August 1990	W	W	W	-	-	W	W	W	27,667
July 1990	W	974	W	-	-	W	W	974	23,113
August 1989	1,091	W	W	-	-	W	1,091	W	18,836
District of Columbia									
August 1990	-	533	12,786	-	-	-	-	533	12,786
July 1990	-	603	W	-	-	W	-	603	12,014
August 1989	-	400	W	-	-	W	-	400	12,949
Maryland									
August 1990	-	W	W	W	W	W	W	2,007	171,382
July 1990	-	W	148,943	W	W	16,984	W	1,956	165,927
August 1989	-	W	146,381	-	W	15,548	-	1,856	161,929
New Jersey									
August 1990	W	1,283	291,527	W	W	59,472	42,410	W	350,999
July 1990	W	W	281,166	W	W	98,807	39,956	1,793	379,973
August 1989	W	1,173	W	W	W	W	40,802	W	354,952
New York									
August 1990	W	W	322,218	W	W	16,693	73,488	2,631	338,911
July 1990	W	W	300,706	W	W	23,843	65,310	2,370	324,549
August 1989	W	1,244	296,658	W	1,121	26,558	61,304	2,365	323,216
Pennsylvania									
August 1990	63,108	1,640	346,182	12,177	2,570	28,743	75,285	4,210	374,925
July 1990	W	1,108	320,960	W	2,952	34,068	70,678	4,060	355,028
August 1989	59,781	1,513	330,915	12,498	2,036	35,614	72,279	3,549	366,529

See footnotes at end of table.

Table 42. Refiner Total Motor Gasoline Volumes by Seller Type (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									
August 1990	250,414	16,447	1,168,911	45,144	4,826	118,644	295,558	21,273	1,287,555
July 1990	233,186	12,829	1,101,943	42,915	4,701	154,326	276,101	17,530	1,256,269
August 1989	252,276	13,473	1,102,774	37,013	8,272	156,833	289,289	21,745	1,259,607
Florida									
August 1990	102,526	W	335,066	11,496	W	41,365	114,022	7,973	376,451
July 1990	95,033	W	312,686	12,113	W	53,327	107,146	7,094	366,013
August 1989	106,676	W	320,502	5,147	W	65,182	111,823	9,587	385,684
Georgia									
August 1990	W	W	212,930	W	W	26,122	65,132	2,401	239,052
July 1990	51,849	W	203,583	8,210	W	30,692	60,059	1,920	234,275
August 1989	W	W	206,992	W	W	30,665	57,377	3,118	237,057
North Carolina									
August 1990	W	W	254,466	W	W	19,925	31,235	4,475	274,391
July 1990	W	W	235,400	W	W	29,253	27,846	3,212	264,653
August 1989	W	W	241,633	W	W	23,270	29,128	3,379	264,903
South Carolina									
August 1990	W	1,683	111,445	W	-	14,277	35,791	1,683	125,722
July 1990	W	1,302	102,030	W	-	16,965	34,194	1,302	118,995
August 1989	W	W	106,506	W	W	15,403	31,771	1,542	121,909
Virginia									
August 1990	W	W	222,629	W	W	12,423	36,156	3,397	235,052
July 1990	W	W	218,443	W	W	16,893	34,057	2,643	235,336
August 1989	37,560	2,373	199,008	7,623	504	19,728	45,183	2,877	218,736
West Virginia									
August 1990	12,764	W	32,375	458	W	4,532	13,222	1,344	36,907
July 1990	12,330	W	29,801	469	W	7,196	12,799	1,359	36,997
August 1989	13,440	W	28,133	567	W	2,585	14,007	1,242	30,718
PAD District II Total									
August 1990	508,049	29,396	1,740,071	182,861	978	659,031	690,910	30,374	2,399,102
July 1990	502,578	30,725	1,694,778	183,802	1,083	670,061	686,380	31,808	2,364,839
August 1989	518,058	28,361	1,732,552	182,176	1,839	611,883	700,234	30,200	2,344,435
Illinois									
August 1990	W	1,628	264,446	W	-	49,044	83,967	1,628	313,490
July 1990	W	1,232	254,306	W	-	65,520	85,899	1,232	319,826
August 1989	W	1,375	273,713	W	-	13,857	85,542	1,375	287,570
Indiana									
August 1990	W	W	140,318	W	W	49,074	55,706	1,096	189,392
July 1990	W	W	133,963	W	W	36,600	55,846	1,293	170,563
August 1989	W	W	134,666	W	W	29,980	57,569	1,120	164,646
Iowa									
August 1990	3,059	1,715	68,099	9,970	-	51,515	13,029	1,715	119,614
July 1990	2,796	W	62,674	9,702	-	54,784	12,498	W	117,458
August 1989	2,941	871	66,975	9,569	-	52,003	12,510	871	118,978
Kansas									
August 1990	7,756	W	42,306	11,412	W	89,963	19,168	710	132,269
July 1990	7,708	W	41,946	11,362	W	94,588	19,070	587	136,534
August 1989	8,361	W	40,735	11,468	W	88,123	19,829	1,656	128,858
Kentucky									
August 1990	25,043	W	109,978	4,266	W	9,033	29,309	3,606	119,011
July 1990	25,011	3,091	106,500	4,271	-	9,125	29,282	3,091	115,625
August 1989	25,183	W	105,422	4,598	W	10,903	29,781	3,731	116,325
Michigan									
August 1990	W	W	241,612	W	W	43,279	99,881	4,972	284,891
July 1990	W	4,317	235,216	W	-	48,476	99,124	4,317	283,692
August 1989	W	4,640	232,316	W	-	44,368	101,834	4,640	276,684
Minnesota									
August 1990	30,219	W	84,408	6,736	W	60,441	36,955	1,279	144,849
July 1990	29,481	W	86,594	6,709	W	54,875	36,190	1,568	141,469
August 1989	29,134	W	91,004	6,822	W	61,314	35,956	1,628	152,318
Missouri									
August 1990	24,971	W	120,928	17,246	W	68,533	42,217	950	189,461
July 1990	24,067	W	113,884	17,641	W	65,326	41,708	602	179,210
August 1989	26,095	W	114,062	17,831	W	66,623	43,926	1,149	180,685

See footnotes at end of table.

Table 42. Refiner Total Motor Gasoline Volumes by Seller Type (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									
August 1990	W	739	29,755	W	-	30,250	8,200	739	60,005
July 1990	W	461	30,627	W	-	31,274	8,476	461	61,901
August 1989	3,931	W	30,193	4,395	-	32,457	8,326	W	62,650
North Dakota									
August 1990	W	W	16,872	W	-	15,141	755	W	32,013
July 1990	W	W	15,694	W	-	16,652	684	W	32,346
August 1989	W	407	15,822	W	-	16,793	944	407	32,615
Ohio									
August 1990	W	W	215,504	W	W	9,195	191,448	8,937	224,699
July 1990	W	W	211,761	W	W	19,202	190,695	9,703	230,963
August 1989	W	W	228,222	W	W	19,699	195,367	8,464	247,921
Oklahoma									
August 1990	20,002	2,041	91,384	7,763	160	73,485	27,765	2,201	164,869
July 1990	18,824	W	102,970	7,740	W	63,348	26,564	5,619	166,318
August 1989	19,910	2,145	104,939	8,136	237	63,447	28,046	2,382	168,386
South Dakota									
August 1990	W	W	21,746	W	W	19,029	637	W	40,775
July 1990	W	W	19,309	W	W	19,148	575	W	38,457
August 1989	W	494	16,446	W	W	20,250	W	W	36,696
Tennessee									
August 1990	37,228	W	178,202	15,554	W	32,220	52,782	963	210,422
July 1990	34,013	W	168,985	16,664	W	33,050	50,677	935	202,035
August 1989	33,875	W	169,301	15,441	W	36,270	49,316	1,367	205,571
Wisconsin									
August 1990	W	W	114,513	W	W	58,829	29,091	485	173,342
July 1990	W	W	110,349	W	W	58,093	29,092	403	168,442
August 1989	20,656	W	108,736	W	W	55,796	W	364	164,532
PAD District III Total									
August 1990	202,146	W	1,042,008	81,603	W	571,061	283,749	9,315	1,613,069
July 1990	189,611	W	991,494	95,554	W	577,931	285,165	7,458	1,569,425
August 1989	210,282	W	904,319	92,510	W	555,225	302,792	7,875	1,459,544
Alabama									
August 1990	15,569	1,694	116,262	4,531	95	30,856	20,100	1,789	147,118
July 1990	14,531	1,356	113,221	4,340	51	30,168	18,871	1,407	143,389
August 1989	13,503	577	117,863	5,039	64	31,314	18,542	641	149,177
Arkansas									
August 1990	4,293	W	71,268	8,754	W	43,334	13,047	301	114,602
July 1990	3,752	W	65,376	9,603	W	46,451	13,355	281	111,827
August 1989	W	189	66,028	W	98	43,741	12,909	287	109,769
Louisiana									
August 1990	28,809	1,371	141,563	3,657	122	55,264	32,466	1,493	196,827
July 1990	26,316	W	131,758	4,516	W	53,488	30,832	1,193	185,246
August 1989	26,050	975	115,201	4,406	146	64,239	30,456	1,121	179,440
Mississippi									
August 1990	W	328	78,827	W	65	19,902	7,850	393	98,729
July 1990	W	268	85,813	W	93	28,718	7,754	361	114,531
August 1989	W	481	84,331	W	187	20,876	7,263	668	105,207
New Mexico									
August 1990	W	W	33,923	W	W	24,938	7,442	743	58,861
July 1990	W	282	30,382	W	139	24,644	7,705	421	55,026
August 1989	3,661	W	30,941	3,547	W	28,888	7,208	444	59,829
Texas									
August 1990	144,933	3,555	600,165	57,911	1,041	396,767	202,844	4,596	996,932
July 1990	136,769	2,950	564,944	69,879	845	394,462	206,648	3,795	959,406
August 1989	158,142	3,586	489,955	68,272	1,128	366,167	226,414	4,714	856,122
PAD District IV Total									
August 1990	33,158	W	186,793	27,954	W	107,832	61,112	3,749	294,625
July 1990	32,397	W	181,823	29,640	W	103,507	62,037	3,000	285,330
August 1989	42,023	W	165,034	27,251	W	106,059	69,274	3,500	271,093
Colorado									
August 1990	20,691	W	62,447	24,594	-	34,589	45,285	W	97,036
July 1990	20,474	W	63,558	26,254	-	30,814	46,728	W	94,372
August 1989	26,414	2,314	57,675	24,067	-	37,770	50,481	2,314	95,445

See footnotes at end of table.

Table 42. Refiner Total Motor Gasoline Volumes by Seller Type (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	
Idaho									
August 1990	W	W	35,073	W	-	16,355	652	W	51,428
July 1990	W	W	31,715	W	-	16,481	589	W	48,196
August 1989	W	126	27,779	W	-	14,645	1,458	126	42,424
Montana									
August 1990	W	W	31,013	W	-	17,128	3,492	W	48,141
July 1990	W	W	31,792	W	W	17,517	3,273	W	49,309
August 1989	W	W	30,581	W	W	14,897	W	110	45,478
Utah									
August 1990	W	W	44,263	W	W	27,464	9,723	1,370	71,727
July 1990	W	W	40,625	W	W	27,562	9,375	1,183	68,187
August 1989	W	W	34,990	W	W	25,694	12,453	626	60,684
Wyoming									
August 1990	592	W	13,997	1,368	W	12,296	1,960	324	26,293
July 1990	653	W	14,133	1,409	W	11,133	2,062	259	25,266
August 1989	W	W	14,009	1,292	W	13,053	W	325	27,062
PAD District V Total									
August 1990	213,014	13,053	1,335,467	80,594	NA	255,569	293,608	26,407	1,591,036
July 1990	212,829	10,280	1,264,194	79,665	NA	279,752	292,494	33,795	1,543,946
August 1989	218,128	13,123	1,252,197	47,660	22,058	252,275	265,788	35,181	1,504,472
Alaska									
August 1990	W	W	W	3,583	W	W	W	577	19,993
July 1990	W	W	W	3,142	W	W	W	545	19,229
August 1989	W	W	W	496	W	W	W	651	19,681
Arizona									
August 1990	W	W	87,700	W	W	13,454	32,194	W	101,154
July 1990	W	W	82,502	W	W	15,454	29,944	1,121	97,956
August 1989	W	W	88,705	W	W	22,926	25,245	1,015	111,631
California									
August 1990	131,166	9,059	881,996	57,672	NA	196,358	188,838	17,689	1,078,354
July 1990	134,765	6,803	838,936	58,123	NA	215,187	192,888	NA	1,054,123
August 1989	138,602	W	837,634	30,857	W	173,344	169,659	27,285	1,010,978
Hawaii									
August 1990	W	W	W	W	W	W	W	3,025	24,942
July 1990	W	W	W	W	W	W	W	2,854	23,664
August 1989	W	W	W	W	W	W	W	W	23,553
Nevada									
August 1990	W	411	52,858	W	W	NA	5,351	W	61,158
July 1990	W	W	49,621	W	W	NA	4,877	2,565	59,427
August 1989	W	359	39,854	W	139	11,718	10,174	498	51,572
Oregon									
August 1990	W	W	110,358	W	W	10,501	16,356	689	120,859
July 1990	W	W	90,452	W	W	13,576	15,382	768	112,028
August 1989	W	429	95,000	W	W	13,641	13,881	W	109,241
Washington									
August 1990	W	1,053	169,529	W	-	15,047	42,529	1,053	184,576
July 1990	W	691	162,198	W	-	15,321	41,571	691	177,519
August 1989	W	W	158,279	W	W	19,537	41,993	1,615	177,816

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

Table 43. Refiner Motor Gasoline Volumes by Grade
(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								
August 1990	70,436	449,544	1,293,839	5,880,214	244,382	801,548	343,768	1,687,404
July 1990	73,514	453,881	1,172,817	5,522,778	251,491	781,839	416,882	1,888,091
August 1989	134,104	852,606	1,176,032	5,070,753	187,202	581,354	441,641	1,932,495
PAD District I Total								
August 1990	1,047	1,897	344,205	1,683,655	89,071	449,398	118,878	785,928
July 1990	1,172	2,449	287,597	1,572,795	86,729	427,481	137,070	880,325
August 1989	17,192	105,363	298,092	1,483,197	61,574	343,281	147,276	925,823
Subdistrict IA Total								
August 1990	W	-	19,495	208,682	W	52,498	8,033	95,473
July 1990	W	-	16,087	209,796	W	48,849	9,450	107,532
August 1989	63	2,099	14,968	192,507	4,420	44,919	8,524	120,121
Connecticut								
August 1990	-	-	2,547	56,129	764	16,633	W	29,126
July 1990	-	-	2,340	48,373	W	15,169	1,771	29,885
August 1989	W	W	1,811	46,524	534	W	1,280	33,630
Maine								
August 1990	-	-	1,356	30,641	W	6,113	W	8,344
July 1990	-	-	W	28,483	W	5,972	W	9,741
August 1989	W	W	1,121	30,187	W	5,378	381	W
Massachusetts								
August 1990	-	-	11,469	85,401	3,062	20,029	4,663	40,708
July 1990	-	-	9,573	102,746	2,802	18,933	5,545	48,769
August 1989	W	W	8,616	86,848	2,524	W	W	55,627
New Hampshire								
August 1990	-	-	2,309	10,535	W	W	807	W
July 1990	-	-	1,628	7,897	507	3,099	856	4,499
August 1989	-	-	2,136	7,025	647	2,694	1,069	4,673
Rhode Island								
August 1990	W	-	W	23,016	525	5,418	705	11,725
July 1990	W	-	1,371	19,543	500	4,952	849	13,155
August 1989	W	W	1,084	18,725	400	W	753	13,657
Vermont								
August 1990	-	-	W	2,960	W	W	W	W
July 1990	-	-	W	2,754	W	724	W	1,483
August 1989	-	-	200	3,198	W	W	W	W
Subdistrict IB Total								
August 1990	985	1,501	130,943	711,423	27,581	175,211	44,089	388,535
July 1990	1,106	2,070	111,232	666,312	27,050	165,678	49,275	426,544
August 1989	5,821	15,966	108,915	629,178	19,438	154,578	50,951	438,689
Delaware								
August 1990	-	-	707	15,413	224	5,987	W	6,267
July 1990	-	-	1,028	11,707	W	5,333	617	6,073
August 1989	W	W	775	9,611	167	W	320	W
District of Columbia								
August 1990	-	-	293	4,076	W	2,552	W	6,158
July 1990	-	-	301	3,487	W	2,298	W	6,229
August 1989	W	-	241	3,831	W	W	W	W
Maryland								
August 1990	-	-	1,449	83,145	W	37,724	393	50,513
July 1990	W	-	1,400	73,287	154	36,301	454	56,339
August 1989	46	W	1,346	71,519	W	W	W	55,141
New Jersey								
August 1990	-	-	24,666	206,706	W	35,065	13,237	109,228
July 1990	-	W	21,230	219,444	5,897	W	14,622	127,108
August 1989	W	3,982	21,311	179,880	4,918	31,358	15,199	139,732
New York								
August 1990	400	538	52,107	185,185	8,267	35,058	15,345	118,130
July 1990	W	W	42,835	167,237	8,340	W	W	123,187
August 1989	2,811	5,197	40,013	163,308	3,758	31,110	17,087	123,601
Pennsylvania								
August 1990	585	963	51,721	216,898	12,445	58,825	14,744	98,239
July 1990	658	1,101	44,438	191,150	12,350	55,169	17,292	107,608
August 1989	2,279	3,038	45,229	201,029	10,538	54,217	17,782	108,245
Subdistrict IC Total								
August 1990	W	396	193,767	763,550	W	221,689	66,756	301,920
July 1990	W	379	160,278	696,687	W	212,954	78,345	346,249
August 1989	11,308	87,298	174,209	661,512	37,716	143,784	87,801	367,013

See footnotes at end of table.

Table 43. Refiner Motor Gasoline Volumes by Grade (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								
August 1990	W	W	66,112	205,934	W	W	33,202	106,239
July 1990	-	W	54,923	187,487	21,825	W	37,492	118,389
August 1989	2,754	27,072	62,475	186,862	16,162	42,094	40,019	129,656
Georgia								
August 1990	-	W	42,530	147,256	12,154	W	12,849	53,184
July 1990	-	-	34,833	135,691	11,559	37,636	15,587	60,948
August 1989	2,115	17,956	34,134	130,775	7,294	22,367	16,952	66,559
North Carolina								
August 1990	-	W	25,645	172,805	5,585	W	4,480	53,868
July 1990	-	-	19,808	155,329	5,608	46,118	5,642	63,206
August 1989	1,945	22,596	20,532	144,285	3,178	28,826	6,852	69,196
South Carolina								
August 1990	-	-	26,328	82,192	6,002	20,292	5,144	23,238
July 1990	-	-	22,639	72,914	6,264	19,429	6,593	26,652
August 1989	2,844	10,470	21,155	70,695	2,576	12,359	6,738	26,385
Virginia								
August 1990	-	W	23,278	131,747	7,501	W	8,774	58,668
July 1990	-	W	19,298	123,367	7,270	W	10,132	67,964
August 1989	1,559	9,034	26,447	111,402	6,132	32,773	13,922	65,527
West Virginia								
August 1990	W	W	9,874	23,616	W	W	2,307	6,723
July 1990	W	W	8,777	21,899	W	W	2,899	9,090
August 1989	91	170	9,466	17,493	2,374	5,365	3,318	7,690
PAD District II Total								
August 1990	8,460	91,927	528,940	1,822,590	87,923	179,241	95,961	305,344
July 1990	9,296	107,822	486,795	1,714,813	95,899	185,837	126,196	356,367
August 1989	20,960	234,989	489,208	1,601,385	84,725	154,066	135,540	353,995
Illinois								
August 1990	40	1,183	59,624	231,829	11,208	28,405	14,723	52,073
July 1990	W	1,469	56,924	235,411	W	27,634	18,714	55,312
August 1989	432	11,280	56,195	195,438	10,021	25,829	20,269	55,023
Indiana								
August 1990	W	4,375	43,008	142,856	W	19,814	7,031	22,347
July 1990	W	4,917	39,776	116,825	W	20,269	9,819	28,552
August 1989	116	10,871	40,452	108,331	6,957	17,227	11,164	28,217
Iowa								
August 1990	827	8,799	12,575	100,630	95	995	1,247	9,190
July 1990	887	10,858	11,244	94,443	W	1,141	1,612	11,016
August 1989	W	21,286	10,347	87,958	W	1,020	1,545	8,714
Kansas								
August 1990	894	12,750	15,461	107,292	1,241	2,520	2,282	9,707
July 1990	989	14,254	14,171	109,012	1,429	2,353	3,068	10,915
August 1989	1,616	26,214	15,757	91,914	1,137	1,351	2,975	9,379
Kentucky								
August 1990	W	307	22,784	78,255	W	20,755	5,021	19,694
July 1990	W	281	20,429	69,036	W	23,234	6,361	23,074
August 1989	729	2,738	20,751	67,874	5,115	21,493	6,917	24,215
Michigan								
August 1990	W	4,465	80,910	217,301	W	23,840	13,031	39,285
July 1990	W	5,695	74,118	203,677	W	25,891	17,528	48,429
August 1989	2,688	13,992	76,277	192,865	8,835	22,851	18,674	46,976
Minnesota								
August 1990	1,911	11,170	29,964	117,251	1,320	4,857	5,039	11,571
July 1990	2,131	15,474	27,908	106,885	1,565	4,722	6,154	14,388
August 1989	3,247	24,736	27,016	110,261	NA	3,804	5,990	13,517
Missouri								
August 1990	1,155	11,534	30,314	142,965	4,633	9,912	7,065	25,050
July 1990	1,241	13,024	27,106	126,111	4,586	10,122	9,377	29,953
August 1989	2,610	28,154	29,612	119,385	3,206	6,918	9,647	26,228
Nebraska								
August 1990	579	7,681	5,436	49,262	W	W	W	W
July 1990	603	9,302	6,004	48,874	W	W	W	W
August 1989	1,099	W	6,392	45,841	W	W	775	2,760
North Dakota								
August 1990	95	5,041	778	24,763	W	W	69	W
July 1990	65	5,726	675	24,302	W	W	79	W
August 1989	W	W	999	21,794	W	W	122	1,240

See footnotes at end of table.

Table 43. Refiner Motor Gasoline Volumes by Grade (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								
August 1990	102	552	146,122	171,462	32,185	22,874	21,976	29,811
July 1990	W	630	133,100	167,847	37,037	25,748	W	36,738
August 1989	972	6,486	133,668	169,381	35,404	21,559	33,787	50,495
Oklahoma								
August 1990	1,259	13,752	21,757	130,288	2,662	203	4,288	20,626
July 1990	1,419	13,526	21,778	131,624	3,030	190	5,956	20,978
August 1989	2,662	27,987	19,416	124,026	2,416	88	5,934	16,285
South Dakota								
August 1990	127	W	1,320	33,101	-	W	W	2,752
July 1990	110	W	873	30,487	-	W	W	2,753
August 1989	W	W	863	27,268	-	W	47	2,017
Tennessee								
August 1990	-	W	35,093	135,372	10,183	W	8,469	38,471
July 1990	-	W	30,522	122,323	10,559	W	10,531	44,538
August 1989	1,640	12,680	28,940	121,581	8,447	25,200	11,656	46,110
Wisconsin								
August 1990	646	5,686	23,794	139,963	1,290	7,132	3,846	20,561
July 1990	763	7,681	22,167	127,956	1,348	7,920	5,217	24,885
August 1989	1,404	18,342	22,523	117,463	W	5,908	6,038	22,819
PAD District III Total								
August 1990	2,546	33,502	175,286	1,195,168	54,347	140,634	60,885	243,765
July 1990	2,657	34,400	162,269	1,134,543	55,786	139,110	71,911	261,372
August 1989	18,071	136,976	170,409	967,572	39,405	77,230	82,782	277,766
Alabama								
August 1990	W	-	14,109	97,723	3,759	20,934	W	28,461
July 1990	W	W	11,874	90,458	W	19,888	4,627	W
August 1989	978	5,653	11,142	92,366	2,665	15,878	4,398	35,280
Arkansas								
August 1990	W	2,758	10,638	82,349	W	W	1,061	W
July 1990	W	2,498	10,260	75,549	1,784	12,861	W	20,919
August 1989	W	18,766	8,249	65,998	W	2,820	2,637	22,185
Louisiana								
August 1990	-	283	18,826	129,174	6,957	20,706	8,176	46,664
July 1990	-	357	16,250	119,160	6,607	22,477	9,168	43,252
August 1989	497	13,810	16,278	110,732	5,244	10,496	9,558	44,402
Mississippi								
August 1990	-	-	5,856	66,746	1,290	12,839	1,097	19,144
July 1990	W	W	5,310	80,241	W	W	1,408	23,361
August 1989	146	9,954	4,683	63,280	1,544	7,251	1,558	24,722
New Mexico								
August 1990	1,258	13,391	5,752	39,942	W	W	W	W
July 1990	1,199	12,854	5,527	36,045	W	W	W	W
August 1989	W	16,825	5,077	37,507	W	-	995	5,497
Texas								
August 1990	1,089	17,070	120,105	779,234	40,634	73,370	45,612	127,258
July 1990	1,174	18,675	113,048	733,090	41,983	72,910	54,238	134,731
August 1989	13,560	71,968	124,980	597,689	28,952	40,785	63,636	145,680
PAD District IV Total								
August 1990	8,843	72,472	40,688	182,066	4,431	5,293	10,899	34,794
July 1990	8,646	71,723	38,077	168,559	4,950	4,804	13,364	40,244
August 1989	W	W	43,319	156,302	W	W	13,131	30,982
Colorado								
August 1990	W	17,318	29,889	62,446	3,941	4,326	7,491	12,946
July 1990	W	18,477	28,659	56,787	4,513	3,870	9,222	15,238
August 1989	W	W	31,747	57,424	W	W	9,755	12,845
Idaho								
August 1990	176	17,369	532	29,976	-	-	W	4,083
July 1990	191	15,697	438	28,164	-	-	W	4,335
August 1989	502	16,221	957	23,253	-	-	125	2,950
Montana								
August 1990	804	14,316	2,237	28,480	-	-	W	5,345
July 1990	765	14,757	1,977	28,086	-	-	W	6,466
August 1989	W	16,566	1,915	24,175	-	-	610	4,737
Utah								
August 1990	W	17,070	6,572	44,758	W	W	2,492	W
July 1990	W	16,627	5,621	40,193	W	W	3,042	W
August 1989	W	17,604	7,607	35,608	W	-	2,384	7,472

See footnotes at end of table.

Table 43. Refiner Motor Gasoline Volumes by Grade (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
Wyoming								
August 1990	454	6,399	1,458	16,406	W	W	W	W
July 1990	474	6,165	1,382	15,329	W	W	W	W
August 1989	W	8,242	1,093	15,842	-	-	257	2,978
PAD District V Total								
August 1990	49,540	249,746	204,720	996,735	8,610	26,982	57,145	317,573
July 1990	51,741	237,487	198,079	932,068	8,127	24,607	68,341	349,783
August 1989	W	W	175,004	862,297	W	W	62,912	343,929
Alaska								
August 1990	250	4,339	2,022	14,353	W	-	W	1,301
July 1990	234	4,412	1,836	13,245	W	-	439	1,572
August 1989	349	4,999	927	13,432	W	-	W	1,250
Arizona								
August 1990	5,285	21,646	22,323	64,876	W	W	5,782	W
July 1990	W	21,332	19,806	59,862	W	W	6,287	W
August 1989	4,564	25,023	16,321	69,441	-	-	5,375	17,167
California								
August 1990	27,029	125,961	134,268	686,272	5,792	24,665	39,438	241,455
July 1990	30,297	118,890	133,350	646,742	5,567	21,516	48,924	266,975
August 1989	36,702	W	115,376	586,927	964	W	43,902	261,857
Hawaii								
August 1990	-	-	W	13,481	771	2,014	2,010	9,447
July 1990	-	-	W	12,491	813	1,958	2,008	9,215
August 1989	563	1,650	4,669	12,346	-	-	W	9,557
Nevada								
August 1990	1,584	13,202	W	38,685	-	W	815	W
July 1990	1,712	12,631	4,819	36,311	-	W	911	W
August 1989	W	12,648	6,320	30,573	W	-	1,740	8,351
Oregon								
August 1990	4,270	34,584	10,589	72,728	W	-	W	13,547
July 1990	3,943	32,040	W	64,104	W	-	2,339	15,884
August 1989	W	36,397	8,268	58,919	-	-	1,961	13,925
Washington								
August 1990	11,122	50,014	25,949	106,340	-	W	6,511	W
July 1990	W	48,182	24,211	99,313	W	W	7,433	W
August 1989	W	W	23,123	90,659	W	W	7,632	31,822

Dashes (-) No data reported.

NA Not available.

W Withheld to avoid disclosure of individual company data.

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

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

Table 44. Refiner Volumes of Aviation Fuels and Propane
(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						
August 1990	8,110	29,510	1,347,885	252,647	71,267	820,324
July 1990	7,859	27,353	1,293,852	254,692	57,291	681,963
August 1989	7,580	28,323	1,279,204	281,926	56,676	722,037
PAD District I Total						
August 1990	3,001	5,430	392,368	38,038	18,251	97,007
July 1990	2,898	4,701	406,201	40,547	14,190	87,321
August 1989	3,197	5,483	375,272	37,696	19,064	113,473
Subdistrict IA Total						
August 1990	W	695	37,327	2,274	W	4,261
July 1990	W	676	35,684	1,380	W	4,539
August 1989	W	827	38,502	2,061	W	5,357
Connecticut						
August 1990	W	W	4,621	W	W	1,570
July 1990	W	W	5,480	342	W	1,575
August 1989	NA	NA	4,992	260	W	2,541
Maine						
August 1990	W	W	W	W	W	W
July 1990	W	W	W	W	W	397
August 1989	W	W	4,303	W	W	W
Massachusetts						
August 1990	W	225	25,157	1,282	W	1,379
July 1990	W	222	23,381	839	W	1,783
August 1989	W	282	26,612	1,578	W	1,912
New Hampshire						
August 1990	W	W	W	W	W	412
July 1990	W	W	418	W	W	W
August 1989	NA	NA	669	W	W	W
Rhode Island						
August 1990	W	W	1,073	W	-	W
July 1990	W	W	1,351	W	-	W
August 1989	NA	NA	1,760	W	-	W
Vermont						
August 1990	W	W	128	W	W	368
July 1990	W	W	W	W	W	332
August 1989	NA	NA	166	W	W	289
Subdistrict IB Total						
August 1990	W	925	179,454	24,640	W	30,986
July 1990	W	804	184,941	30,350	W	41,451
August 1989	W	956	163,856	28,491	W	41,021
Delaware						
August 1990	W	271	91	W	-	W
July 1990	W	300	90	W	-	W
August 1989	NA	NA	W	W	-	W
District of Columbia						
August 1990	-	-	-	-	-	-
July 1990	-	-	-	-	-	-
August 1989	NA	NA	-	-	-	-
Maryland						
August 1990	W	W	7,212	W	W	W
July 1990	W	W	8,947	W	W	W
August 1989	NA	NA	W	W	W	W
New Jersey						
August 1990	W	W	130,662	16,494	NA	5,633
July 1990	W	247	134,853	23,472	286	3,720
August 1989	W	W	119,291	21,856	480	7,379
New York						
August 1990	W	W	8,137	3,438	W	7,074
July 1990	W	W	7,732	2,577	W	5,669
August 1989	W	W	10,112	3,320	W	7,027
Pennsylvania						
August 1990	W	229	33,352	4,131	W	13,495
July 1990	W	W	33,319	3,900	W	19,652
August 1989	327	283	25,185	2,848	W	20,711
Subdistrict IC Total						
August 1990	1,567	3,810	175,587	11,124	13,950	61,760
July 1990	1,602	3,221	185,576	8,817	10,191	41,331
August 1989	1,725	3,700	172,914	7,144	14,300	67,095

See footnotes at end of table.

Table 44. Refiner Volumes of Aviation Fuels and Propane (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						
August 1990	854	2,017	74,515	3,783	W	12,888
July 1990	956	1,593	74,473	4,503	W	9,751
August 1989	1,082	1,867	74,312	3,863	W	13,743
Georgia						
August 1990	216	W	52,697	3,473	W	9,480
July 1990	200	631	61,231	2,010	W	6,935
August 1989	W	654	41,945	1,819	W	9,236
North Carolina						
August 1990	W	W	6,694	1,117	6,169	24,152
July 1990	W	W	8,586	670	3,479	14,227
August 1989	W	818	16,865	516	W	27,884
South Carolina						
August 1990	W	W	3,278	W	1,079	10,625
July 1990	W	W	2,672	W	887	6,800
August 1989	W	288	2,186	W	939	10,562
Virginia						
August 1990	W	139	37,842	2,300	1,294	4,271
July 1990	80	144	38,097	1,203	810	3,440
August 1989	W	W	36,822	522	724	5,551
West Virginia						
August 1990	W	-	561	W	W	344
July 1990	W	-	517	W	W	178
August 1989	W	W	784	W	W	119
PAD District II Total						
August 1990	1,471	8,252	203,696	28,511	20,920	302,596
July 1990	1,435	7,451	202,540	25,458	14,065	235,623
August 1989	1,189	7,638	227,220	21,920	17,289	242,602
Illinois						
August 1990	W	623	16,172	1,610	NA	28,919
July 1990	W	551	17,019	1,213	1,615	18,441
August 1989	W	685	19,837	1,036	2,262	22,602
Indiana						
August 1990	76	1,500	49,875	6,750	W	14,628
July 1990	70	1,251	45,875	5,069	W	6,399
August 1989	W	1,088	57,655	4,576	W	8,386
Iowa						
August 1990	W	W	1,540	978	W	11,078
July 1990	W	W	1,380	1,001	W	8,702
August 1989	NA	NA	1,184	647	W	7,737
Kansas						
August 1990	W	606	8,083	2,152	W	117,553
July 1990	W	498	10,699	1,311	W	112,137
August 1989	NA	NA	7,679	2,319	-	113,822
Kentucky						
August 1990	W	157	20,121	290	1,957	9,779
July 1990	W	156	18,446	189	2,910	4,996
August 1989	W	W	15,332	338	3,104	5,750
Michigan						
August 1990	293	W	26,157	3,965	W	8,072
July 1990	204	736	24,711	3,234	W	8,022
August 1989	94	783	24,340	2,487	W	7,879
Minnesota						
August 1990	W	W	14,579	1,874	W	14,255
July 1990	W	W	16,810	1,894	W	8,889
August 1989	NA	NA	13,900	1,301	W	9,049
Missouri						
August 1990	W	471	10,022	1,965	943	21,459
July 1990	W	449	9,252	1,656	318	9,695
August 1989	NA	NA	14,764	1,160	W	11,211
Nebraska						
August 1990	W	407	1,524	1,185	W	10,210
July 1990	W	291	1,375	959	W	14,207
August 1989	W	349	1,255	688	W	12,437
North Dakota						
August 1990	48	W	821	152	W	11,197
July 1990	W	W	765	133	W	7,060
August 1989	NA	NA	885	W	W	7,203

See footnotes at end of table.

Table 44. Refiner Volumes of Aviation Fuels and Propane (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						
August 1990	W	987	31,209	2,652	W	19,723
July 1990	W	560	31,931	2,656	W	13,736
August 1989	W	726	29,443	2,138	W	6,091
Oklahoma						
August 1990	76	876	12,896	2,759	W	16,365
July 1990	89	1,086	11,781	3,875	W	12,149
August 1989	W	662	23,628	3,830	W	12,487
South Dakota						
August 1990	W	533	522	266	W	4,531
July 1990	W	395	447	299	W	1,977
August 1989	W	447	424	W	W	2,899
Tennessee						
August 1990	W	535	6,668	1,186	W	4,742
July 1990	W	375	8,962	1,122	W	2,449
August 1989	229	563	13,699	835	W	4,918
Wisconsin						
August 1990	W	W	3,507	727	W	10,085
July 1990	-	W	3,087	847	W	6,764
August 1989	W	W	3,195	W	W	8,121
PAD District III Total						
August 1990	982	4,508	290,382	95,717	21,324	348,849
July 1990	907	4,110	286,154	111,323	19,664	296,098
August 1989	961	4,591	268,890	128,760	8,990	303,539
Alabama						
August 1990	138	274	3,164	867	W	11,488
July 1990	142	228	2,849	793	W	5,548
August 1989	153	W	2,712	871	W	9,158
Arkansas						
August 1990	W	508	1,222	754	W	4,982
July 1990	W	W	1,213	612	W	2,773
August 1989	-	486	601	534	778	3,858
Louisiana						
August 1990	W	W	53,363	19,474	W	43,832
July 1990	W	248	47,291	22,637	1,244	20,640
August 1989	W	374	48,171	22,169	W	38,361
Mississippi						
August 1990	181	586	8,983	6,559	W	26,578
July 1990	160	685	16,430	11,755	W	22,188
August 1989	190	611	17,367	15,990	W	30,657
New Mexico						
August 1990	W	W	2,963	1,316	1,038	7,809
July 1990	W	W	2,962	912	872	5,998
August 1989	W	W	3,108	892	W	7,329
Texas						
August 1990	336	2,631	220,687	86,747	17,667	254,160
July 1990	303	1,938	215,409	74,614	16,581	238,951
August 1989	417	2,587	196,931	88,304	6,320	216,176
PAD District IV Total						
August 1990	625	1,793	46,072	3,988	W	24,577
July 1990	578	1,732	41,645	3,523	W	20,759
August 1989	610	1,668	30,887	3,281	W	20,528
Colorado						
August 1990	W	821	24,347	2,646	37	7,327
July 1990	W	772	20,573	2,413	35	5,633
August 1989	W	747	12,552	1,929	W	6,152
Idaho						
August 1990	W	W	1,934	273	W	W
July 1990	W	W	1,601	208	W	133
August 1989	W	302	1,842	575	W	82
Montana						
August 1990	W	W	2,000	W	W	4,707
July 1990	W	W	1,921	W	W	4,407
August 1989	W	W	1,730	W	1,219	3,047
Utah						
August 1990	W	584	17,372	750	W	W
July 1990	W	516	17,165	601	W	2,396
August 1989	W	365	14,255	568	W	2,825

See footnotes at end of table.

Table 44. Refiner Volumes of Aviation Fuels and Propane (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
Wyoming						
August 1990	W	W	419	W	W	9,607
July 1990	106	W	385	W	516	8,100
August 1989	W	W	508	W	W	8,422
PAD District V Total						
August 1990	2,031	9,527	415,367	86,393	W	47,294
July 1990	2,041	9,359	357,312	73,841	W	42,162
August 1989	1,623	8,943	377,025	90,269	W	42,795
Alaska						
August 1990	W	2,557	47,012	14,868	W	W
July 1990	W	2,617	38,205	11,645	W	W
August 1989	W	2,241	43,096	17,410	W	152
Arizona						
August 1990	34	405	18,316	1,793	W	2,449
July 1990	353	344	14,347	1,112	W	1,786
August 1989	W	555	12,019	1,614	W	1,195
California						
August 1990	1,068	3,740	226,843	64,153	W	30,768
July 1990	847	3,998	202,733	55,836	W	28,750
August 1989	841	4,242	207,848	59,708	W	29,951
Hawaii						
August 1990	W	W	36,092	W	-	W
July 1990	W	W	31,243	W	-	W
August 1989	W	W	33,332	W	-	W
Nevada						
August 1990	W	308	12,050	932	NA	556
July 1990	W	357	11,753	1,317	W	350
August 1989	-	307	10,688	1,925	W	W
Oregon						
August 1990	W	W	11,612	W	W	380
July 1990	W	W	11,232	W	W	W
August 1989	W	W	10,405	W	W	59
Washington						
August 1990	W	1,579	63,642	3,530	W	11,682
July 1990	W	1,282	47,799	3,013	W	9,696
August 1989	105	1,208	59,637	5,253	W	9,552

Dashes (-) No data reported

NA Not available

W Withheld to avoid disclosure of individual company data

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

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

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

Table 45. Refiner Volumes of Kerosene and Distillates
(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						
August 1990	3,836	51,430	10,713	37,310	836,488	3,182,192
July 1990	6,364	31,052	8,946	21,448	770,991	2,909,403
August 1989	3,842	28,307	6,691	25,540	917,645	2,943,659
PAD District I Total						
August 1990	2,407	30,321	921	5,072	246,390	897,230
July 1990	4,811	16,218	1,250	2,691	236,414	785,577
August 1989	2,446	14,756	1,650	3,751	273,607	783,982
Subdistrict IA Total						
August 1990	217	1,944	W	547	15,438	87,577
July 1990	235	863	108	305	14,248	65,160
August 1989	W	1,071	155	380	15,796	63,483
Connecticut						
August 1990	W	W	-	W	2,814	25,520
July 1990	W	W	-	W	2,482	19,133
August 1989	W	W	-	W	2,824	16,208
Maine						
August 1990	-	W	-	191	W	12,093
July 1990	-	W	W	W	1,220	7,972
August 1989	-	W	W	W	1,912	11,067
Massachusetts						
August 1990	W	158	W	W	9,644	34,755
July 1990	W	W	18	W	9,039	24,263
August 1989	W	90	W	31	8,539	24,441
New Hampshire						
August 1990	W	W	W	W	598	4,588
July 1990	W	W	W	W	592	3,124
August 1989	-	W	NA	NA	978	3,608
Rhode Island						
August 1990	-	-	W	W	W	7,921
July 1990	-	-	W	W	378	8,148
August 1989	-	-	NA	NA	1,017	6,231
Vermont						
August 1990	-	W	-	W	610	2,700
July 1990	-	-	-	W	557	2,340
August 1989	-	W	NA	NA	526	1,928
Subdistrict IB Total						
August 1990	1,998	14,665	489	2,943	77,180	447,645
July 1990	4,431	9,470	909	1,565	79,941	412,894
August 1989	2,257	7,323	1,185	1,967	100,795	413,129
Delaware						
August 1990	-	W	-	W	955	W
July 1990	-	W	-	W	806	W
August 1989	-	W	NA	NA	1,406	W
District of Columbia						
August 1990	-	W	-	-	173	W
July 1990	-	W	-	-	1,664	W
August 1989	-	W	NA	NA	1,303	W
Maryland						
August 1990	W	1,297	W	19	13,140	32,291
July 1990	W	269	W	16	11,856	35,125
August 1989	W	656	NA	NA	13,563	24,550
New Jersey						
August 1990	W	4,097	348	154	19,030	154,232
July 1990	W	6,478	827	266	18,891	156,435
August 1989	W	1,687	765	84	24,600	151,148
New York						
August 1990	1,671	3,199	W	997	13,924	84,159
July 1990	1,287	620	W	599	16,848	63,322
August 1989	1,125	1,364	W	338	27,577	66,167
Pennsylvania						
August 1990	184	6,040	103	1,726	29,958	149,483
July 1990	115	2,093	42	677	29,876	138,728
August 1989	250	3,522	101	1,521	32,346	149,066
Subdistrict IC Total						
August 1990	192	13,712	W	1,582	153,772	362,008
July 1990	145	5,885	233	821	142,225	307,523
August 1989	W	6,356	310	1,404	157,016	307,370

See footnotes at end of table.

Table 45. Refiner Volumes of Kerosene and Distillates (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						
August 1990	40	308	W	W	46,198	87,624
July 1990	30	181	W	W	47,897	71,114
August 1989	W	207	W	W	46,901	72,362
Georgia						
August 1990	27	704	W	54	33,436	62,889
July 1990	32	396	-	21	25,840	57,443
August 1989	10	495	W	70	32,579	59,730
North Carolina						
August 1990	9	5,522	19	490	23,398	80,269
July 1990	12	1,844	14	461	23,207	63,959
August 1989	W	2,767	66	747	24,416	66,974
South Carolina						
August 1990	54	2,511	W	W	13,329	35,511
July 1990	W	742	W	W	11,470	31,132
August 1989	53	1,092	W	W	16,018	30,833
Virginia						
August 1990	40	4,237	34	865	24,709	78,618
July 1990	19	2,520	W	242	22,525	66,200
August 1989	17	1,535	W	380	23,536	64,442
West Virginia						
August 1990	22	430	W	35	12,702	17,097
July 1990	W	202	W	W	11,277	17,675
August 1989	25	260	W	9	13,506	13,029
PAD District II Total						
August 1990	W	6,091	5,856	20,212	280,253	900,038
July 1990	W	3,985	4,333	12,834	257,817	857,145
August 1989	W	4,466	2,759	15,301	293,820	806,899
Illinois						
August 1990	W	327	2,381	771	25,267	92,555
July 1990	W	189	2,182	615	22,939	99,426
August 1989	W	46	304	795	30,767	77,054
Indiana						
August 1990	8	485	29	1,134	39,077	72,158
July 1990	5	235	19	695	34,723	76,475
August 1989	10	632	14	898	44,831	67,976
Iowa						
August 1990	-	156	80	1,089	7,611	51,879
July 1990	-	57	W	884	7,728	48,634
August 1989	-	151	W	918	10,256	41,877
Kansas						
August 1990	-	68	W	2,024	15,386	76,427
July 1990	-	325	W	638	13,997	72,980
August 1989	-	75	W	1,116	14,795	64,542
Kentucky						
August 1990	W	562	449	377	23,447	46,100
July 1990	W	681	315	99	23,515	38,820
August 1989	165	240	386	121	23,933	42,261
Michigan						
August 1990	23	719	W	4,062	20,717	64,180
July 1990	7	382	665	3,324	16,267	56,092
August 1989	24	572	W	3,895	19,999	56,174
Minnesota						
August 1990	W	249	765	1,862	13,294	55,433
July 1990	W	153	697	910	12,249	49,527
August 1989	W	110	816	1,132	10,217	52,001
Missouri						
August 1990	W	61	W	470	11,803	56,592
July 1990	W	77	W	294	11,973	54,763
August 1989	W	165	W	306	12,327	49,233
Nebraska						
August 1990	-	W	W	655	8,890	43,572
July 1990	-	W	-	540	7,592	53,907
August 1989	-	W	-	581	11,580	43,673
North Dakota						
August 1990	W	W	35	784	W	23,590
July 1990	W	-	W	324	4,295	20,566
August 1989	NA	NA	45	585	3,557	23,335

See footnotes at end of table.

Table 45. Refiner Volumes of Kerosene and Distillates (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						
August 1990	400	1,799	69	634	56,535	80,643
July 1990	235	1,309	75	347	54,685	82,564
August 1989	251	1,294	42	557	57,366	83,828
Oklahoma						
August 1990	-	30	W	3,130	13,036	74,674
July 1990	W	43	W	2,119	12,134	57,429
August 1989	W	70	W	1,588	13,099	56,133
South Dakota						
August 1990	-	170	W	814	W	20,657
July 1990	-	W	-	790	883	23,373
August 1989	NA	NA	-	1,067	678	19,909
Tennessee						
August 1990	30	1,339	W	292	30,924	80,466
July 1990	114	443	167	112	26,481	64,328
August 1989	W	942	W	160	23,227	70,947
Wisconsin						
August 1990	-	120	29	2,114	9,659	61,712
July 1990	-	W	W	1,143	8,356	58,261
August 1989	-	90	29	1,572	11,188	57,956
PAD District III Total						
August 1990	824	13,919	184	4,090	140,801	797,529
July 1990	690	10,388	157	899	128,137	728,856
August 1989	798	4,738	136	681	177,723	760,576
Alabama						
August 1990	W	167	-	192	17,504	49,849
July 1990	W	118	-	137	13,557	42,795
August 1989	-	160	NA	NA	16,999	46,313
Arkansas						
August 1990	W	145	-	W	12,778	48,121
July 1990	W	247	-	W	12,235	47,371
August 1989	W	250	NA	NA	12,199	47,471
Louisiana						
August 1990	W	5,640	W	83	17,706	127,048
July 1990	W	827	W	58	18,871	114,209
August 1989	13	384	NA	NA	27,119	140,532
Mississippi						
August 1990	W	W	W	W	7,432	85,469
July 1990	W	W	W	W	7,165	59,449
August 1989	-	W	NA	NA	9,102	86,736
New Mexico						
August 1990	-	W	-	125	11,092	22,211
July 1990	W	W	-	57	9,140	20,690
August 1989	W	W	W	114	8,261	22,459
Texas						
August 1990	W	683	W	507	74,289	464,831
July 1990	610	607	W	592	67,169	444,342
August 1989	W	622	40	294	104,043	417,065
PAD District IV Total						
August 1990	-	114	556	3,039	37,064	126,995
July 1990	-	79	342	1,839	34,235	111,712
August 1989	-	97	342	2,170	36,337	112,512
Colorado						
August 1990	-	98	336	854	10,021	31,306
July 1990	-	72	318	661	9,384	30,337
August 1989	-	W	297	718	9,008	30,502
Idaho						
August 1990	-	W	W	875	2,471	22,135
July 1990	-	-	-	536	W	19,374
August 1989	NA	NA	-	566	2,475	18,479
Montana						
August 1990	-	-	W	643	3,509	21,392
July 1990	-	-	W	238	W	19,094
August 1989	NA	NA	W	445	3,800	20,181
Utah						
August 1990	-	W	W	346	8,692	27,537
July 1990	-	W	W	213	7,292	22,361
August 1989	NA	NA	W	175	8,083	21,748

See footnotes at end of table.

Table 45. Refiner Volumes of Kerosene and Distillates (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
Wyoming						
August 1990	-	-	193	321	12,371	24,625
July 1990	-	W	W	191	11,652	20,546
August 1989	NA	NA	14	266	12,971	21,602
PAD District V Total						
August 1990	W	985	3,196	4,897	131,980	460,400
July 1990	W	382	2,964	3,185	114,388	426,113
August 1989	W	4,256	1,804	3,637	136,158	479,690
Alaska						
August 1990	W	W	2,078	2,552	2,954	18,830
July 1990	W	W	W	2,096	1,813	22,894
August 1989	NA	NA	NA	NA	4,125	26,138
Arizona						
August 1990	-	W	W	W	8,087	22,536
July 1990	-	W	W	W	6,894	20,532
August 1989	NA	NA	NA	NA	9,643	27,027
California						
August 1990	-	W	W	495	79,904	263,338
July 1990	-	W	W	296	62,116	248,561
August 1989	NA	NA	W	315	76,685	266,171
Hawaii						
August 1990	-	-	W	W	11,159	3,707
July 1990	-	-	W	W	10,238	4,209
August 1989	NA	N	NA	NA	8,177	5,538
Nevada						
August 1990	-	-	-	271	4,124	20,685
July 1990	-	-	W	37	8,252	17,797
August 1989	NA	NA	W	176	5,918	22,757
Oregon						
August 1990	-	W	W	473	12,715	54,472
July 1990	-	21	W	219	9,427	48,036
August 1989	NA	NA	W	289	15,848	53,891
Washington						
August 1990	-	113	W	998	13,037	76,827
July 1990	-	W	W	429	15,648	64,084
August 1989	NA	NA	98	985	15,762	78,168

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								
August 1990	24,495	21,267	378,096	223,936	534,385	356,928	912,481	580,864
July 1990	29,313	17,935	400,543	282,711	494,958	318,286	895,501	600,997
August 1989	24,488	43,560	403,487	207,675	399,322	271,631	802,809	479,306
PAD District I Total								
August 1990	15,552	5,986	331,175	99,855	247,724	47,831	574,899	147,686
July 1990	17,891	5,376	327,598	170,587	281,986	36,813	611,584	207,400
August 1989	13,478	5,647	348,371	96,731	168,233	33,404	516,604	130,135
Subdistrict IA Total								
August 1990	1,062	W	56,577	W	28,182	W	84,759	13,774
July 1990	786	W	W	W	W	W	122,152	9,306
August 1989	1,095	W	W	W	W	W	90,524	26,808
Subdistrict IB Total								
August 1990	13,468	3,518	132,822	W	132,794	W	265,616	120,042
July 1990	16,000	3,320	159,471	162,331	127,725	22,328	287,196	184,659
August 1989	11,215	2,893	151,469	84,294	82,426	14,596	233,895	98,890
Subdistrict IC Total								
August 1990	1,022	W	141,776	-	82,748	13,870	224,524	13,870
July 1990	1,105	W	W	W	W	W	202,236	13,435
August 1989	1,168	W	W	W	W	W	192,185	4,437
PAD District II Total								
August 1990	W	W	W	1,951	W	24,272	14,850	26,223
July 1990	W	W	3,541	W	6,884	W	10,425	36,009
August 1989	W	331	W	7,836	W	20,299	25,530	28,135
PAD District III Total								
August 1990	64	5,185	W	86,962	W	77,478	175,901	164,440
July 1990	W	W	W	42,457	W	88,366	120,105	130,823
August 1989	W	1,243	W	37,148	W	65,907	153,844	103,055
PAD District IV Total								
August 1990	-	-	-	1,819	272	825	272	2,644
July 1990	-	-	W	W	W	W	342	4,436
August 1989	-	-	-	1,800	1,868	NA	1,868	2,332
PAD District V Total								
August 1990	W	W	33,531	33,349	113,028	206,522	146,559	239,871
July 1990	W	10,745	57,949	64,429	95,096	157,900	153,045	222,329
August 1989	W	36,339	39,644	64,160	65,319	151,489	104,963	215,649

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

First Sales of Petroleum Products for Consumption

Table 47. Volumes of First Sales of Motor Gasoline by Grade
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
U.S. Total					
August 1990	533,068	7,414,297	1,101,630	2,126,901	11,175,896
July 1990	538,451	6,825,498	1,087,993	2,413,003	10,864,945
August 1989	1,004,956	6,466,437	794,703	2,470,636	10,736,752
PAD District I Total					
August 1990	4,129	2,267,055	581,752	989,832	3,842,768
July 1990	5,091	2,094,710	560,927	1,110,613	3,771,341
August 1989	131,228	1,978,330	433,076	1,156,494	3,699,128
Subdistrict 1A Total					
August 1990	607	335,681	75,754	134,174	546,216
July 1990	862	320,909	74,224	157,717	553,712
August 1989	3,856	290,420	63,798	160,156	518,230
Connecticut					
August 1990	-	67,885	20,313	34,661	122,859
July 1990	-	59,798	18,936	38,696	117,430
August 1989	W	67,888	W	40,258	125,036
Maine					
August 1990	W	53,470	W	13,727	77,510
July 1990	W	50,713	W	16,664	77,709
August 1989	W	46,318	W	16,136	72,048
Massachusetts					
August 1990	W	145,903	W	57,276	233,416
July 1990	W	149,988	W	69,334	249,782
August 1989	1,900	122,980	26,229	71,637	222,746
New Hampshire					
August 1990	97	24,129	5,796	8,805	38,827
July 1990	118	21,610	5,881	10,568	38,177
August 1989	157	17,452	4,847	9,758	32,214
Rhode Island					
August 1990	-	30,642	7,151	14,464	52,257
July 1990	-	26,630	6,832	16,699	50,161
August 1989	67	26,261	6,281	17,548	50,157
Vermont					
August 1990	W	13,652	W	5,241	21,347
July 1990	W	12,170	W	5,756	20,453
August 1989	86	9,521	1,603	4,819	16,029
Subdistrict 1B Total					
August 1990	2,580	924,350	218,197	472,319	1,617,446
July 1990	3,293	872,639	208,741	509,491	1,594,164
August 1989	22,073	821,949	185,659	532,898	1,562,579
Delaware					
August 1990	-	21,687	7,942	8,707	38,336
July 1990	-	18,320	7,610	9,483	35,413
August 1989	126	17,897	6,365	9,217	33,605
District of Columbia					
August 1990	-	4,712	2,712	6,492	13,916
July 1990	-	4,099	2,411	6,588	13,098
August 1989	40	4,425	2,377	7,235	14,077
Maryland					
August 1990	-	89,399	39,722	52,560	181,681
July 1990	W	81,947	W	59,486	180,117
August 1989	5,184	80,211	32,230	58,312	175,937
New Jersey					
August 1990	-	260,629	47,532	145,763	453,924
July 1990	W	273,825	W	156,809	473,961
August 1989	3,194	218,725	39,628	175,176	436,723
New York					
August 1990	1,032	280,161	51,854	152,147	485,194
July 1990	1,491	253,460	50,114	161,866	466,931
August 1989	8,033	251,389	43,862	165,592	468,876
Pennsylvania					
August 1990	1,548	267,762	68,435	106,650	444,395
July 1990	1,771	240,988	66,626	115,259	424,644
August 1989	5,496	249,302	61,197	117,366	433,361

See footnotes at end of table.

Table 47. Volumes of First Sales of Motor Gasoline by Grade (Continued)
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
Subdistrict IC Total					
August 1990	942	1,007,024	287,801	383,339	1,679,106
July 1990	936	901,162	277,962	443,405	1,623,465
August 1989	105,299	865,961	183,619	463,440	1,618,319
Florida					
August 1990	17	298,342	92,640	147,636	538,635
July 1990	16	266,359	88,004	166,266	520,645
August 1989	32,070	261,496	59,515	173,454	526,535
Georgia					
August 1990	W	196,718	W	68,322	317,541
July 1990	W	175,495	W	78,851	303,826
August 1989	21,002	167,627	29,539	84,525	302,693
North Carolina					
August 1990	W	202,410	W	60,165	317,093
July 1990	W	179,712	W	70,692	303,186
August 1989	25,357	169,673	32,197	76,971	304,198
South Carolina					
August 1990	W	106,310	W	28,314	161,087
July 1990	W	96,831	W	33,809	156,649
August 1989	13,250	92,656	15,036	35,459	156,401
Virginia					
August 1990	358	167,191	52,790	69,081	289,420
July 1990	W	149,034	W	80,660	283,081
August 1989	13,163	143,939	39,113	81,002	277,217
West Virginia					
August 1990	W	36,053	W	9,821	55,330
July 1990	374	33,731	8,846	13,127	56,078
August 1989	457	30,570	8,219	12,029	51,275
PAD District II Total					
August 1990	101,605	2,341,289	272,037	403,930	3,118,861
July 1990	119,000	2,195,681	287,539	496,566	3,098,786
August 1989	257,832	2,109,714	238,507	502,708	3,108,761
Illinois					
August 1990	1,576	302,755	40,379	71,592	416,302
July 1990	1,931	296,105	40,625	79,341	418,002
August 1989	12,175	264,687	36,710	80,220	393,792
Indiana					
August 1990	4,382	182,289	27,061	30,075	243,807
July 1990	4,930	158,571	28,351	39,207	231,059
August 1989	10,481	159,541	24,308	39,806	234,136
Iowa					
August 1990	9,701	114,179	954	10,374	135,208
July 1990	11,852	107,908	1,114	12,677	133,551
August 1989	23,807	99,629	873	10,263	134,572
Kansas					
August 1990	12,470	109,562	3,792	10,993	136,817
July 1990	13,722	109,560	3,805	13,886	140,973
August 1989	22,312	98,198	2,491	12,298	135,299
Kentucky					
August 1990	516	107,685	27,498	27,214	162,913
July 1990	561	96,283	30,784	32,645	160,273
August 1989	4,289	95,036	27,997	34,307	161,629
Michigan					
August 1990	5,090	298,707	33,803	53,136	390,736
July 1990	6,426	277,270	36,707	66,827	387,230
August 1989	17,175	270,970	31,142	66,758	386,045
Minnesota					
August 1990	13,055	152,157	6,472	17,088	188,772
July 1990	17,558	136,301	6,801	23,252	183,912
August 1989	28,273	140,366	5,201	21,001	194,841
Missouri					
August 1990	14,009	172,147	16,625	32,363	235,644
July 1990	16,020	156,567	16,708	39,951	229,246
August 1989	32,754	153,114	10,241	36,521	232,630

See footnotes at end of table.

Table 47. Volumes of First Sales of Motor Gasoline by Grade (Continued)
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
Nebraska					
August 1990	8,349	55,668	W	W	68,891
July 1990	9,992	54,623	W	W	69,922
August 1989	W	51,529	W	3,444	70,834
North Dakota					
August 1990	5,134	25,430	W	W	32,911
July 1990	5,788	24,824	W	W	33,093
August 1989	W	22,803	W	1,361	33,976
Ohio					
August 1990	670	322,018	54,951	52,813	430,452
July 1990	770	305,538	62,619	69,288	438,215
August 1989	7,497	308,461	57,037	85,913	458,908
Oklahoma					
August 1990	15,131	145,815	2,927	20,352	184,225
July 1990	15,075	141,426	3,335	26,912	186,748
August 1989	30,420	131,328	2,533	20,960	185,241
South Dakota					
August 1990	W	34,510	W	2,788	42,373
July 1990	5,007	31,452	W	W	39,584
August 1989	W	27,781	W	2,071	37,445
Tennessee					
August 1990	W	165,522	45,959	W	257,147
July 1990	101	148,849	45,018	53,209	247,177
August 1989	16,259	151,729	31,602	58,454	258,044
Wisconsin					
August 1990	6,737	152,845	9,066	24,015	192,663
July 1990	9,267	150,404	9,317	30,813	199,801
August 1989	20,634	134,542	6,862	29,331	191,369
PAD District III Total					
August 1990	35,733	1,350,218	202,531	304,830	1,893,312
July 1990	36,716	1,177,957	197,152	322,376	1,734,201
August 1989	153,116	1,124,990	114,846	357,177	1,750,129
Alabama					
August 1990	-	113,989	24,794	32,777	171,560
July 1990	W	104,671	23,678	W	166,280
August 1989	7,518	106,072	18,098	40,109	171,797
Arkansas					
August 1990	3,040	102,066	14,098	18,272	137,476
July 1990	2,903	88,762	14,567	22,742	128,974
August 1989	20,427	73,067	2,147	24,175	119,816
Louisiana					
August 1990	283	145,370	29,921	51,450	227,024
July 1990	357	125,021	30,328	51,502	207,208
August 1989	13,332	130,262	15,619	59,667	218,880
Mississippi					
August 1990	W	76,697	W	20,479	112,355
July 1990	W	77,439	W	23,972	114,506
August 1989	W	71,811	W	25,341	116,240
New Mexico					
August 1990	W	47,660	W	6,679	69,402
July 1990	14,257	43,273	W	W	65,452
August 1989	W	43,380	W	6,697	68,917
Texas					
August 1990	17,690	864,436	118,196	175,173	1,175,495
July 1990	19,193	738,791	115,162	178,635	1,051,781
August 1989	82,897	700,398	69,996	201,188	1,054,479
PAD District IV Total					
August 1990	82,616	225,785	9,730	45,941	364,072
July 1990	81,459	209,272	9,742	54,008	354,481
August 1989	W	201,722	W	44,507	347,409
Colorado					
August 1990	24,373	94,591	8,274	20,785	148,023
July 1990	24,876	86,665	8,370	25,097	145,008
August 1989	36,790	90,271	402	22,948	150,411

See footnotes at end of table.

Table 47. Volumes of First Sales of Motor Gasoline by Grade (Continued)
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
Idaho					
August 1990	17,726	30,807	-	4,124	52,657
July 1990	16,010	28,901	-	4,408	49,319
August 1989	16,949	24,669	-	3,169	44,787
Montana					
August 1990	15,205	30,883	-	5,856	51,944
July 1990	15,618	30,173	-	7,051	52,842
August 1989	17,477	26,009	-	5,340	48,826
Utah					
August 1990	18,116	50,866	W	W	81,646
July 1990	17,959	46,043	W	W	78,474
August 1989	W	43,543	W	9,780	73,987
Wyoming					
August 1990	7,196	18,638	W	W	29,802
July 1990	6,996	17,490	W	W	28,838
August 1989	8,898	17,230	-	3,270	29,398
PAD District V Total					
August 1990	358,985	1,229,950	35,580	382,368	1,956,883
July 1990	296,185	1,147,878	32,633	429,440	1,906,136
August 1989	W	1,051,701	W	409,750	1,831,325
Alaska					
August 1990	4,512	16,177	W	W	24,409
July 1990	4,591	14,871	W	W	23,169
August 1989	W	14,062	W	1,423	20,759
Arizona					
August 1990	31,163	100,260	W	W	154,755
July 1990	28,449	91,774	W	W	146,445
August 1989	30,541	88,310	-	23,249	142,100
California					
August 1990	156,200	826,289	30,443	283,518	1,296,450
July 1990	151,676	778,261	27,076	322,795	1,279,808
August 1989	W	711,266	W	307,750	1,226,461
Hawaii					
August 1990	-	17,150	2,787	11,471	32,208
July 1990	-	16,695	2,766	11,222	30,683
August 1989	2,228	17,033	-	11,702	30,963
Nevada					
August 1990	14,546	45,160	W	W	70,518
July 1990	14,113	41,160	W	W	67,150
August 1989	W	36,196	W	9,758	60,805
Oregon					
August 1990	39,375	87,241	W	W	142,732
July 1990	36,869	76,707	W	W	131,405
August 1989	40,010	68,939	-	16,269	125,218
Washington					
August 1990	63,189	136,873	W	W	235,811
July 1990	60,487	128,410	W	W	227,476
August 1989	W	115,895	W	39,599	225,019

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."

Table 48. Volumes of First Sales of Aviation Fuels, Propane, and Residual Fuel Oil
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		Total Residual
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	
U.S. Total							
August 1990	39,277	1,625,693	207,883	885,289	674,335	963,591	1,637,926
July 1990	38,175	1,554,407	151,866	734,218	700,674	864,800	1,565,474
August 1989	37,313	1,555,883	244,747	790,825	646,727	781,453	1,428,180
PAD District I Total							
August 1990	8,518	466,664	9,105	141,164	509,235	339,412	848,647
July 1990	7,631	466,715	W	123,656	532,228	361,168	893,396
August 1989	8,788	431,549	22,199	161,002	482,090	243,900	725,990
Subdistrict IA Total							
August 1990	1,153	50,506	W	11,644	74,717	56,524	131,241
July 1990	1,122	47,083	W	11,050	115,350	50,822	166,172
August 1989	1,334	49,342	W	13,576	91,142	33,083	124,225
Connecticut							
August 1990	143	8,680	W	2,475	W	W	53,872
July 1990	105	7,533	W	2,420	70,209	-	70,209
August 1989	149	7,151	W	3,745	W	W	67,313
Maine							
August 1990	W	6,782	-	1,305	1,800	15,965	17,765
July 1990	W	5,634	-	1,659	11,298	19,062	30,360
August 1989	W	4,955	-	1,442	745	16,502	17,247
Massachusetts							
August 1990	356	31,352	W	3,883	24,263	29,447	53,710
July 1990	371	30,675	-	3,832	29,511	28,150	57,661
August 1989	465	33,586	-	4,229	23,839	9,509	33,348
New Hampshire							
August 1990	97	843	-	1,879	468	2,996	3,464
July 1990	68	790	-	1,477	W	W	3,648
August 1989	94	745	-	1,704	W	W	4,432
Rhode Island							
August 1990	W	2,459	-	923	W	W	1,868
July 1990	W	2,146	-	748	3,710	-	3,710
August 1989	W	2,341	-	1,008	1,311	-	1,311
Vermont							
August 1990	52	390	-	1,179	W	W	562
July 1990	69	305	-	914	W	W	584
August 1989	W	564	-	1,448	W	W	574
Subdistrict IB Total							
August 1990	1,890	220,144	W	38,817	291,923	185,208	477,131
July 1990	1,743	213,313	W	49,747	344,910	157,380	502,290
August 1989	2,030	194,033	22,152	50,444	268,104	126,579	394,683
Delaware							
August 1990	W	W	W	W	W	7,874	W
July 1990	296	230	-	W	W	6,227	W
August 1989	W	W	W	4,509	W	3,986	W
District of Columbia							
August 1990	-	-	-	-	W	-	W
July 1990	-	-	-	-	W	-	W
August 1989	-	-	-	-	W	-	W
Maryland							
August 1990	W	W	-	W	37,357	7,920	45,277
July 1990	W	9,289	W	W	35,873	18,543	54,416
August 1989	W	W	-	2,466	23,996	23,813	47,809
New Jersey							
August 1990	597	160,674	W	6,037	94,704	31,788	126,492
July 1990	446	152,804	-	4,764	96,960	32,349	129,309
August 1989	577	140,103	W	8,304	52,478	38,584	91,062
New York							
August 1990	328	13,726	W	10,861	109,585	89,985	199,570
July 1990	W	13,201	W	9,991	138,091	67,824	205,915
August 1989	411	15,549	W	13,423	129,676	38,116	167,792
Pennsylvania							
August 1990	582	37,865	-	15,658	44,132	47,641	91,773
July 1990	564	37,789	-	22,178	52,993	32,437	85,430
August 1989	682	28,401	W	21,742	51,016	22,080	73,096

See footnotes at end of table.

Table 48. Volumes of First Sales of Aviation Fuels, Propane, and Residual Fuel Oil (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							
August 1990	5,475	196,014	W	90,703	142,595	97,680	240,275
July 1990	4,766	206,319	W	62,859	71,968	152,966	224,934
August 1989	5,424	188,174	W	96,982	122,844	84,238	207,082
Florida							
August 1990	2,971	86,251	-	20,173	124,413	53,945	178,358
July 1990	2,504	87,186	W	16,506	69,642	109,536	179,178
August 1989	2,949	84,109	W	21,300	96,104	47,383	143,487
Georgia							
August 1990	920	56,552	-	17,499	-	3,587	3,587
July 1990	822	64,561	-	12,268	W	W	2,668
August 1989	809	43,674	-	15,419	W	W	2,989
North Carolina							
August 1990	914	8,384	-	34,159	1,537	14,048	15,585
July 1990	737	10,382	W	20,721	2,138	15,731	17,869
August 1989	894	18,959	W	40,009	1,232	13,244	14,476
South Carolina							
August 1990	307	3,906	-	11,842	W	W	6,470
July 1990	418	3,271	-	7,943	W	7,577	W
August 1989	433	2,580	-	11,835	W	5,248	W
Virginia							
August 1990	W	40,314	W	6,248	W	18,857	W
July 1990	W	40,348	W	4,809	34	14,649	14,683
August 1989	199	38,039	W	7,631	24,980	15,250	40,230
West Virginia							
August 1990	W	587	-	782	W	W	W
July 1990	W	571	-	612	W	W	W
August 1989	140	813	-	728	-	W	W
PAD District II Total							
August 1990	10,452	235,562	27,215	300,892	10,251	33,997	44,248
July 1990	9,831	227,327	28,944	215,201	9,975	45,308	55,283
August 1989	9,931	249,093	39,434	264,037	10,689	44,228	54,917
Illinois							
August 1990	W	12,754	W	36,047	W	W	8,053
July 1990	763	7,911	W	23,463	W	W	16,467
August 1989	910	14,328	-	24,827	W	W	9,802
Indiana							
August 1990	1,519	56,870	W	16,131	W	W	6,058
July 1990	1,217	53,006	W	11,512	421	4,667	5,088
August 1989	1,304	62,199	9,038	12,780	W	W	11,447
Iowa							
August 1990	452	2,547	W	20,013	-	W	W
July 1990	488	2,459	W	11,819	-	-	-
August 1989	510	1,846	W	14,400	-	-	-
Kansas							
August 1990	684	10,234	W	70,063	W	W	2,773
July 1990	600	12,016	W	60,677	-	W	W
August 1989	576	9,997	W	74,704	-	W	W
Kentucky							
August 1990	173	20,412	-	12,498	W	W	1,025
July 1990	W	18,707	-	8,121	W	W	1,262
August 1989	213	16,035	-	10,793	W	W	1,094
Michigan							
August 1990	818	29,925	-	14,908	W	W	1,502
July 1990	1,041	27,901	-	13,149	1,506	820	2,326
August 1989	928	26,828	-	22,385	W	W	3,936
Minnesota							
August 1990	W	16,742	W	20,999	-	6,633	6,633
July 1990	1,102	18,939	W	13,311	-	4,921	4,921
August 1989	1,080	15,517	W	16,628	-	2,118	2,118
Missouri							
August 1990	537	22,474	W	27,265	W	W	2,082
July 1990	496	21,351	W	12,712	W	W	3,444
August 1989	517	22,553	2,518	20,708	W	W	W

See footnotes at end of table.

Table 48. Volumes of First Sales of Aviation Fuels, Propane, and Residual Fuel Oil (Continued)
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		Total Residual
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	
Nebraska							
August 1990	344	2,605	W	11,404	W	W	W
July 1990	377	2,334	-	15,433	W	-	W
August 1989	403	1,942	-	14,682	-	-	-
North Dakota							
August 1990	136	955	W	11,702	-	W	W
July 1990	W	898	W	6,145	-	W	W
August 1989	99	933	W	7,025	-	W	W
Ohio							
August 1990	1,114	33,495	W	15,137	W	W	2,166
July 1990	984	34,517	41	10,682	W	W	3,560
August 1989	1,137	31,476	W	10,342	1,257	6,686	7,943
Oklahoma							
August 1990	713	13,649	14,245	17,799	W	W	4,654
July 1990	719	12,558	15,714	12,121	W	W	9,187
August 1989	510	27,660	19,297	12,839	W	W	4,271
South Dakota							
August 1990	542	789	W	5,135	-	W	W
July 1990	403	747	W	2,334	-	W	W
August 1989	455	586	W	3,015	-	W	W
Tennessee							
August 1990	762	7,852	-	6,577	W	W	3,138
July 1990	550	10,027	-	3,942	W	W	906
August 1989	694	14,542	W	7,317	W	W	1,788
Wisconsin							
August 1990	587	4,259	W	15,214	W	W	4,978
July 1990	716	3,956	W	9,780	W	W	5,070
August 1989	595	3,551	-	11,592	-	4,270	4,270
PAD District III Total							
August 1990	6,504	371,349	103,810	356,904	88,814	258,256	347,070
July 1990	6,987	386,848	81,017	314,533	54,197	192,988	247,185
August 1989	5,774	375,388	95,151	298,169	49,413	208,627	258,040
Alabama							
August 1990	412	4,042	W	13,312	W	W	11,029
July 1990	370	3,667	W	5,741	W	12,506	W
August 1989	W	3,613	W	11,680	W	W	7,517
Arkansas							
August 1990	510	1,976	W	10,314	-	W	W
July 1990	776	1,826	W	5,735	-	W	W
August 1989	486	1,139	W	6,755	-	W	W
Louisiana							
August 1990	490	69,135	24,634	36,453	26,664	130,044	156,708
July 1990	428	67,828	20,094	18,773	24,194	101,311	125,505
August 1989	524	69,295	30,527	32,733	20,106	85,541	105,647
Mississippi							
August 1990	767	15,542	1,590	38,896	-	W	W
July 1990	845	30,285	1,740	23,965	-	W	W
August 1989	803	28,651	W	28,984	W	W	W
New Mexico							
August 1990	346	4,378	1,787	10,163	W	-	W
July 1990	357	3,875	885	8,355	W	-	W
August 1989	W	3,597	1,412	9,508	W	-	W
Texas							
August 1990	3,979	276,276	73,298	247,766	60,765	117,804	178,569
July 1990	4,211	279,367	55,706	251,964	28,741	78,762	107,503
August 1989	3,225	269,093	60,477	208,509	28,889	115,464	144,353
PAD District IV Total							
August 1990	2,406	50,055	9,391	25,431	1,468	1,097	2,565
July 1990	2,309	44,738	W	21,779	2,899	1,053	3,952
August 1989	2,278	34,099	14,322	23,037	864	2,206	3,070
Colorado							
August 1990	860	26,992	W	7,080	-	W	W
July 1990	806	22,557	W	5,786	-	W	W
August 1989	775	14,482	W	7,079	W	W	300

See footnotes at end of table

Table 48. Volumes of First Sales of Aviation Fuels, Propane, and Residual Fuel Oil (Continued)
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		Total Residual
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	
Idaho							
August 1990	W	2,206	-	1,395	-	W	W
July 1990	249	1,808	W	1,397	W	W	W
August 1989	310	2,417	W	951	-	W	W
Montana							
August 1990	W	W	W	4,616	-	W	W
July 1990	518	2,131	W	3,659	-	W	W
August 1989	464	1,865	W	4,166	-	W	W
Utah							
August 1990	682	18,121	6,200	3,385	W	W	699
July 1990	590	17,766	W	2,778	W	W	1,727
August 1989	563	14,753	W	2,976	W	W	758
Wyoming							
August 1990	210	W	W	8,955	W	W	1,523
July 1990	146	476	W	8,159	W	W	1,505
August 1989	166	582	W	7,805	W	W	1,681
PAD District V Total							
August 1990	11,397	502,063	58,362	60,898	64,567	330,829	395,396
July 1990	11,417	428,779	29,751	59,049	101,375	264,283	365,658
August 1989	10,542	464,854	73,641	44,580	103,671	282,492	386,163
Alaska							
August 1990	2,940	61,884	9,632	W	-	W	W
July 1990	3,231	49,851	10,690	W	W	W	W
August 1989	2,664	60,494	3,177	W	W	-	W
Arizona							
August 1990	754	21,107	W	4,189	W	-	W
July 1990	696	15,459	W	3,296	W	-	W
August 1989	668	13,627	9,362	2,549	W	-	W
California							
August 1990	4,648	290,093	42,385	39,730	30,471	178,239	208,710
July 1990	4,844	256,192	14,514	38,293	32,902	165,490	198,392
August 1989	5,082	267,524	49,300	26,866	26,668	203,979	230,647
Hawaii							
August 1990	W	36,457	W	W	32,524	11,699	44,223
July 1990	W	31,555	-	W	48,144	10,839	58,983
August 1989	W	36,960	W	W	38,398	10,890	49,288
Nevada							
August 1990	W	12,983	-	1,297	W	-	W
July 1990	W	13,071	-	1,598	W	-	W
August 1989	W	12,614	W	1,366	W	-	W
Oregon							
August 1990	851	12,365	-	3,683	W	W	17,130
July 1990	663	11,839	-	3,402	W	W	16,419
August 1989	324	11,136	-	2,985	W	W	20,415
Washington							
August 1990	1,661	67,174	-	9,676	-	81,574	81,574
July 1990	1,412	50,812	W	10,294	-	70,822	70,822
August 1989	1,314	62,499	W	8,792	-	W	W

Dashes (-) No data reported.

W Withhold 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. Volumes of First Sales of Distillate Fuel Oils
(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							
August 1990	82,155	47,794	1,083,731	2,587,374	4,251,105	40,920	4,421,981
July 1990	52,234	32,718	1,394,757	2,343,723	3,738,480	39,208	3,882,726
August 1989	40,094	34,555	1,613,518	2,440,204	4,059,722	65,790	4,200,167
PAD District I Total							
August 1990	49,781	8,669	880,204	642,714	1,411,918	25,951	1,490,320
July 1990	27,208	4,976	874,196	498,879	1,173,375	28,036	1,231,295
August 1989	23,784	7,140	781,096	524,586	1,285,682	25,904	1,342,600
Subdistrict IA Total							
August 1990	5,607	759	197,885	43,043	240,328	4,883	252,157
July 1990	3,941	438	138,370	39,570	175,940	3,457	183,776
August 1989	3,222	1,329	133,867	44,848	178,715	4,080	187,326
Connecticut							
August 1990	1,224	W	48,929	9,981	58,890	W	61,499
July 1990	W	7	34,429	9,437	43,866	W	45,397
August 1989	794	67	33,287	8,552	41,839	1,119	43,819
Maine							
August 1990	1,441	186	27,234	5,882	33,116	210	34,953
July 1990	303	42	16,942	5,935	22,877	171	23,393
August 1989	614	220	21,767	5,606	27,373	438	28,645
Massachusetts							
August 1990	2,220	135	81,952	15,730	97,691	2,198	102,244
July 1990	2,685	57	55,508	14,301	69,800	1,476	74,027
August 1989	1,499	670	48,438	18,285	66,723	1,547	70,439
New Hampshire							
August 1990	326	116	14,418	5,462	19,880	430	20,752
July 1990	128	83	11,066	4,215	15,281	248	15,740
August 1989	142	134	13,106	5,263	18,369	326	18,971
Rhode Island							
August 1990	44	267	20,539	3,599	24,138	488	24,917
July 1990	W	W	14,892	3,576	18,268	484	19,007
August 1989	W	W	14,050	5,134	19,184	425	19,892
Vermont							
August 1990	352	W	4,813	2,400	7,213	W	7,792
July 1990	75	W	3,733	2,106	5,839	W	6,212
August 1989	W	W	3,219	2,008	5,227	205	5,560
Subdistrict IB Total							
August 1990	30,095	5,615	476,446	157,372	633,818	18,721	688,249
July 1990	17,551	3,490	389,831	182,744	532,575	20,048	573,664
August 1989	13,477	4,122	447,109	173,252	620,361	18,662	656,622
Delaware							
August 1990	W	W	16,995	9,876	26,871	W	27,216
July 1990	74	W	14,530	10,016	24,546	W	24,640
August 1989	110	W	10,138	10,322	20,460	W	20,593
District of Columbia							
August 1990	W	-	2,523	1,098	3,621	W	12,417
July 1990	W	-	3,302	939	4,241	W	15,357
August 1989	W	-	3,164	1,108	4,272	W	11,344
Maryland							
August 1990	1,377	53	28,773	28,152	54,925	359	56,714
July 1990	851	W	20,288	33,089	53,377	W	54,500
August 1989	609	W	22,625	22,388	45,013	W	45,925
New Jersey							
August 1990	13,735	2,308	179,930	28,375	208,305	2,305	226,653
July 1990	W	1,251	139,643	27,252	166,895	W	181,913
August 1989	5,282	1,295	187,737	34,997	222,734	2,817	232,128
New York							
August 1990	5,744	1,260	105,989	24,009	129,998	6,662	143,664
July 1990	1,996	1,424	81,550	21,509	103,050	6,282	112,761
August 1989	3,212	806	98,288	28,317	128,605	7,983	138,606
Pennsylvania							
August 1990	8,954	W	142,236	67,862	210,098	W	221,585
July 1990	2,747	784	110,518	69,939	180,457	505	184,493
August 1989	W	1,987	125,157	76,120	201,277	W	208,025

See footnotes at end of table.

Table 49. Volumes of First Sales of Distillate Fuel Oils (Continued)
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate		Total	No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel			
Subdistrict IC Total							
August 1990	14,079	2,295	194,873	342,299	537,172	2,397	555,914
July 1990	5,710	1,048	167,995	296,585	464,590	2,531	473,855
August 1989	7,085	1,009	180,120	306,486	486,606	3,272	490,052
Florida							
August 1990	351	W	21,325	116,458	137,783	W	139,349
July 1990	213	W	19,939	102,301	122,240	W	123,319
August 1989	209	W	25,894	95,098	121,592	W	122,917
Georgia							
August 1990	737	62	25,980	73,192	99,172	432	100,403
July 1990	483	21	21,009	62,058	83,965	706	85,155
August 1989	509	78	30,090	65,007	95,097	493	96,177
North Carolina							
August 1990	5,800	508	55,086	51,847	106,933	210	113,511
July 1990	1,943	471	46,850	41,829	88,679	100	91,193
August 1989	2,974	806	46,013	49,505	95,518	157	99,455
South Carolina							
August 1990	2,605	W	23,626	25,998	49,624	W	52,283
July 1990	798	W	17,347	25,444	42,791	W	43,608
August 1989	1,146	W	19,906	27,976	47,882	W	49,130
Virginia							
August 1990	3,913	1,284	56,709	56,216	112,925	806	118,928
July 1990	2,004	W	48,520	48,401	96,921	W	100,263
August 1989	1,884	392	48,214	48,788	98,000	1,784	102,060
West Virginia							
August 1990	613	91	12,147	18,588	30,735	-	31,440
July 1990	295	60	13,430	16,534	29,964	-	30,319
August 1989	363	33	9,003	19,514	28,517	-	28,913
PAD District II Total							
August 1990	7,159	W	512,160	686,739	1,198,899	W	1,240,310
July 1990	4,244	W	479,846	641,917	1,121,763	W	1,154,196
August 1989	5,610	W	486,439	618,836	1,105,275	W	1,138,595
Illinois							
August 1990	450	W	54,136	70,893	125,029	W	128,861
July 1990	247	W	56,394	68,171	124,565	W	129,810
August 1989	111	W	58,291	50,835	109,126	W	110,290
Indiana							
August 1990	567	W	42,523	69,331	111,854	W	121,341
July 1990	329	W	39,248	68,511	107,759	W	114,250
August 1989	648	W	51,481	56,628	108,109	W	116,058
Iowa							
August 1990	183	1,334	30,884	32,310	63,194	-	64,691
July 1990	65	945	28,892	35,270	64,162	-	65,172
August 1989	166	1,458	23,678	32,327	56,005	-	57,629
Kansas							
August 1990	68	859	34,058	42,289	76,347	-	77,274
July 1990	W	W	38,273	38,250	76,523	-	77,524
August 1989	57	836	27,733	38,216	65,949	-	66,842
Kentucky							
August 1990	580	W	21,430	52,021	73,451	W	74,973
July 1990	443	W	20,260	45,380	65,640	W	66,586
August 1989	483	W	21,404	49,365	70,769	W	71,763
Michigan							
August 1990	757	W	50,803	34,288	85,091	W	90,639
July 1990	424	W	44,171	28,637	72,808	W	77,351
August 1989	716	W	48,189	28,498	76,687	W	82,017
Minnesota							
August 1990	251	W	42,045	35,950	77,995	W	81,385
July 1990	154	1,900	34,854	32,180	67,034	195	69,283
August 1989	408	W	34,616	29,620	64,236	W	67,280
Missouri							
August 1990	62	851	23,477	49,430	72,907	-	73,820
July 1990	92	982	21,436	47,967	69,403	-	70,477
August 1989	149	492	20,784	44,735	65,519	-	66,160

See footnotes at end of table.

Table 49. Volumes of First Sales of Distillate Fuel Oils (Continued)
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate		Total	No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel			
Nebraska							
August 1990	W	W	17,880	34,578	52,458	-	53,153
July 1990	W	W	25,792	35,733	61,525	-	62,073
August 1989	W	W	20,227	35,052	55,279	-	55,939
North Dakota							
August 1990	W	W	15,493	11,477	26,970	-	27,793
July 1990	W	W	13,700	10,895	24,595	-	24,941
August 1989	W	W	14,732	12,237	26,969	-	27,601
Ohio							
August 1990	1,987	W	59,379	82,450	141,829	W	144,884
July 1990	1,387	W	60,434	76,921	137,355	W	139,244
August 1989	1,461	W	67,027	76,200	143,227	W	145,360
Oklahoma							
August 1990	W	W	27,586	52,955	80,541	-	84,710
July 1990	49	2,128	19,500	46,533	66,033	-	68,210
August 1989	78	1,600	18,866	46,811	65,677	-	67,355
South Dakota							
August 1990	70	822	11,093	10,518	21,611	-	22,503
July 1990	W	W	12,019	12,326	24,345	-	25,150
August 1989	W	W	8,908	11,689	20,577	-	21,674
Tennessee							
August 1990	1,605	W	32,793	81,587	114,380	W	116,592
July 1990	622	W	24,950	67,739	92,689	W	93,609
August 1989	989	W	24,313	80,122	104,435	W	106,091
Wisconsin							
August 1990	563	W	48,580	26,662	75,242	W	77,691
July 1990	90	W	39,923	27,404	67,327	W	70,536
August 1989	264	W	46,190	26,521	72,711	W	76,536
PAD District III Total							
August 1990	24,117	1,288	218,054	662,185	880,239	5,205	910,849
July 1990	19,935	1,228	185,515	568,885	754,400	1,339	776,902
August 1989	6,435	854	302,212	608,167	910,379	1,401	919,069
Alabama							
August 1990	159	202	12,382	55,011	67,393	268	68,022
July 1990	W	140	W	W	56,017	W	56,343
August 1989	W	212	13,307	50,500	63,807	W	64,339
Arkansas							
August 1990	174	W	W	W	62,412	W	63,023
July 1990	263	W	4,437	56,579	61,016	W	61,941
August 1989	W	W	W	W	61,268	-	61,536
Louisiana							
August 1990	4,444	270	21,625	122,483	144,108	-	148,822
July 1990	882	226	20,869	111,254	132,123	-	133,231
August 1989	386	W	41,078	122,977	164,055	W	164,528
Mississippi							
August 1990	W	W	24,556	58,127	82,683	2,923	92,872
July 1990	W	W	15,527	43,582	59,109	622	60,329
August 1989	3,674	W	53,714	44,408	98,122	W	102,957
New Mexico							
August 1990	75	124	W	W	33,990	-	34,189
July 1990	67	67	W	W	30,450	-	30,584
August 1989	57	128	W	W	31,384	-	31,569
Texas							
August 1990	W	629	151,925	337,728	489,653	W	503,921
July 1990	10,075	714	132,108	283,577	415,685	-	426,474
August 1989	1,889	W	186,865	304,878	491,743	W	494,140
PAD District IV Total							
August 1990	127	3,580	33,597	129,840	163,437	-	167,144
July 1990	89	2,182	27,995	117,860	145,855	-	148,126
August 1989	97	W	33,371	115,386	148,757	W	151,374
Colorado							
August 1990	98	1,190	13,117	28,380	41,497	-	42,785
July 1990	72	979	10,735	29,600	40,335	-	41,386
August 1989	W	W	13,413	26,179	39,592	-	40,705

See footnotes at end of table.

Table 49. Volumes of First Sales of Distillate Fuel Oils (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							
August 1990	W	W	5,154	19,447	24,601	-	25,494
July 1990	-	536	4,729	17,282	22,011	-	22,547
August 1989	-	W	4,178	16,570	20,748	W	21,310
Montana							
August 1990	W	W	W	W	24,799	-	25,457
July 1990	W	W	W	W	22,274	-	22,528
August 1989	-	455	W	W	23,982	-	24,437
Utah							
August 1990	W	W	W	W	35,978	-	36,352
July 1990	W	W	W	W	28,985	-	29,212
August 1989	W	W	W	W	30,190	-	30,393
Wyoming							
August 1990	-	494	4,428	32,134	36,562	-	37,056
July 1990	W	W	3,961	28,289	32,250	-	32,453
August 1989	-	284	5,241	29,004	34,245	-	34,529
PAD District V Total							
August 1990	971	W	30,716	565,896	596,612	W	607,358
July 1990	758	W	27,205	516,182	543,387	W	552,207
August 1989	4,168	5,291	30,400	579,229	609,629	29,441	648,529
Alaska							
August 1990	W	4,140	8,087	16,582	24,669	W	30,310
July 1990	W	3,603	9,663	18,743	28,406	W	33,320
August 1989	W	2,630	10,760	19,005	29,765	W	38,393
Arizona							
August 1990	W	W	W	W	34,331	-	34,578
July 1990	W	W	W	W	30,713	-	31,028
August 1989	-	W	W	38,748	W	-	39,242
California							
August 1990	W	894	2,806	338,775	341,581	W	342,784
July 1990	W	W	1,587	308,368	309,955	W	311,415
August 1989	76	W	1,059	339,107	340,166	W	367,180
Hawaii							
August 1990	-	W	W	15,405	W	-	16,105
July 1990	-	W	W	W	W	-	15,033
August 1989	-	141	W	W	12,439	-	12,580
Nevada							
August 1990	-	343	W	W	24,899	-	25,242
July 1990	-	W	W	20,909	W	-	21,157
August 1989	-	276	238	27,687	27,925	-	28,201
Oregon							
August 1990	W	485	W	59,823	W	-	68,254
July 1990	21	223	6,206	52,140	58,346	-	58,590
August 1989	W	W	7,790	62,253	70,043	-	70,463
Washington							
August 1990	179	W	11,613	76,433	88,046	W	90,085
July 1990	W	495	9,452	70,958	80,410	W	81,664
August 1989	115	955	10,293	W	W	W	92,470

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.

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
(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								
August 1990	0.2	0.4	0.2	0.1	0.3	0.5	0.3	0.3
July 1990	.2	.4	.2	.1	.3	.5	.3	.3
PAD District I Average								
August 1990	.2	.6	.2	.1	.4	.6	.4	.4
July 1990	.3	.5	.3	.1	.5	.6	.5	.4
Subdistrict IA Average								
August 1990	1.2	.5	1.0	.1	1.8	.6	1.5	.4
July 1990	2.0	.4	1.7	.1	2.4	.4	2.1	.3
Connecticut								
August 1990	.6	.7	.5	.1	.6	.8	.6	.5
July 1990	.6	.7	.5	.2	.7	1.2	.6	.6
Maine								
August 1990	.4	.5	.4	.6	.6	.6	.5	1.5
July 1990	.5	.6	.7	.4	.4	.6	.7	1.0
Massachusetts								
August 1990	2.	1.1	1.7	.2	3.2	1.5	2.8	.8
July 1990	3.3	1.0	2.8	.2	3.9	1.3	3.4	.7
New Hampshire								
August 1990	.3	.8	.3	.1	.4	1.0	.4	.1
July 1990	.4	.4	.4	.2	.4	.5	.4	.3
Rhode Island								
August 1990	.1	3.4	.2	.0	.1	3.8	.3	.0
July 1990	.8	2.0	.8	.0	1.2	2.2	1.2	.0
Vermont								
August 1990	.3	.5	.3	.7	.3	.5	.3	.6
July 1990	.4	.3	.4	.6	.5	.3	.5	.6
Subdistrict IB Average								
August 1990	.4	1.0	.4	.2	.6	1.1	.6	.7
July 1990	.2	1.0	.2	.1	.4	1.2	.4	.5
Delaware								
August 1990	.4	1.4	.4	.1	.5	1.6	.5	.1
July 1990	.4	.4	.4	.1	.5	.7	.4	.2
District of Columbia								
August 1990	NA	3.3	2.4	.1	NA	NA	3.5	NA
July 1990	NA	.1	.1	.0	NA	.1	.1	NA
Maryland								
August 1990	1.1	1.5	.9	.1	1.1	1.5	.9	1.1
July 1990	1.3	1.3	1.0	.1	1.3	1.2	1.0	.7
New Jersey								
August 1990	.1	2.9	.7	.1	.5	2.7	1.5	.7
July 1990	.1	3.7	.6	.2	.2	3.8	1.8	.8
New York								
August 1990	.6	.9	.6	.3	.5	1.0	.5	.9
July 1990	.3	.7	.3	.5	.7	.8	.7	1.7
Pennsylvania								
August 1990	.6	1.1	.6	.5	1.4	1.4	1.3	2.0
July 1990	.4	.9	.4	.2	.7	1.3	.8	.7
Subdistrict IC Average								
August 1990	.3	.9	.3	.2	.5	1.0	.5	.7
July 1990	.3	.7	.3	.3	.5	.7	.5	.9
Florida								
August 1990	.4	2.7	.4	.2	.8	3.3	.8	2.2
July 1990	.4	2.6	.4	.1	.8	3.2	.9	1.9
Georgia								
August 1990	.4	1.2	.3	.6	.5	1.3	.4	1.6
July 1990	.4	1.0	.4	.3	.7	1.0	.7	1.0
North Carolina								
August 1990	.8	1.8	.8	.4	1.0	1.9	1.0	1.0
July 1990	.7	1.3	.7	1.0	.9	1.3	.8	1.8
South Carolina								
August 1990	1.6	1.4	1.6	.8	2.0	2.1	1.9	1.5
July 1990	1.6	1.5	1.6	1.5	2.1	2.1	2.0	2.6
Virginia								
August 1990	.6	.9	.6	.2	1.0	1.2	.9	.8
July 1990	.9	1.0	.8	.2	1.3	.9	1.1	1.0

See footnotes at end of table.

Table 50. Standard Errors of Total Motor Gasoline Prices^a (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	
West Virginia								
August 1990	0.8	0.7	0.7	0.4	1.6	1.0	1.4	0.8
July 1990	.7	.4	.6	.4	1.3	.8	1.1	.9
PAD District II Average								
August 1990	.3	.6	.3	.1	.6	.7	.5	.5
July 1990	.2	.4	.2	.1	.4	.5	.4	.4
Illinois								
August 1990	.5	1.1	.4	.2	1.1	1.2	.9	.5
July 1990	.6	1.1	.5	.2	1.0	1.2	.9	.9
Indiana								
August 1990	1.7	1.8	1.5	.2	2.3	1.9	1.8	1.2
July 1990	1.3	1.7	1.2	.1	1.3	1.9	1.4	.7
Iowa								
August 1990	.7	2.4	.9	.3	1.0	2.6	1.1	1.1
July 1990	.6	1.3	.6	.4	.8	1.4	.8	1.0
Kansas								
August 1990	.8	3.6	1.4	.2	1.2	3.4	1.8	.7
July 1990	1.0	.9	.8	.2	1.5	.7	1.1	.7
Kentucky								
August 1990	.8	.9	.7	.3	1.4	1.1	1.3	1.7
July 1990	.4	.9	.4	.4	.7	1.3	.6	2.3
Michigan								
August 1990	1.0	1.5	.9	.2	2.2	2.2	1.9	.7
July 1990	.6	1.6	.6	.3	1.3	2.1	1.2	.7
Minnesota								
August 1990	1.0	1.9	.9	.5	1.6	2.1	1.5	1.4
July 1990	.7	1.2	.6	.3	1.1	1.4	.9	1.0
Missouri								
August 1990	.4	1.0	.4	.4	.7	1.2	.7	1.4
July 1990	.5	1.1	.5	.2	.8	1.3	.8	.7
Nebraska								
August 1990	.6	1.1	.6	1.9	.9	1.0	.8	7.5
July 1990	.4	1.4	.5	.8	.5	1.4	.6	.9
North Dakota								
August 1990	1.2	2.2	1.6	1.3	1.3	2.2	1.7	2.4
July 1990	.8	1.5	.8	.3	.9	1.5	.8	.6
Ohio								
August 1990	.3	1.4	.4	.1	1.7	1.7	1.6	.5
July 1990	.1	1.4	.2	.1	.7	2.0	1.0	.6
Oklahoma								
August 1990	1.8	1.5	1.6	.7	2.7	1.5	2.3	1.9
July 1990	.5	1.6	.4	.3	.9	1.2	.8	.8
South Dakota								
August 1990	.8	1.5	1.4	.2	.7	2.1	1.3	.8
July 1990	1.4	1.4	1.5	.2	1.4	1.5	1.4	.9
Tennessee								
August 1990	.2	3.0	.3	.4	.6	2.7	.7	1.5
July 1990	.2	2.6	.2	.6	.6	2.3	.6	2.1
Wisconsin								
August 1990	.7	2.6	.8	.6	1.1	2.6	1.1	1.6
July 1990	.8	1.2	.6	.4	1.1	1.2	.7	1.0
PAD District III Average								
August 1990	.6	1.5	.6	.2	1.0	1.8	.9	.8
July 1990	.4	.9	.4	.3	.7	1.1	.7	.9
Alabama								
August 1990	3.1	2.2	2.9	1.0	3.5	2.0	3.3	5.0
July 1990	1.9	2.4	1.9	1.2	2.2	2.8	2.2	5.4
Arkansas								
August 1990	1.1	NA	1.3	.4	1.4	NA	1.5	1.4
July 1990	.9	2.8	1.0	.5	1.1	3.0	1.3	.8
Louisiana								
August 1990	.5	3.7	.7	.5	1.2	3.5	1.3	3.8
July 1990	.5	.8	.6	.9	1.0	1.3	1.1	1.9

See footnotes at end of table.

Table 50. Standard Errors of Total Motor Gasoline Prices^a (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	
Mississippi								
August 1990	1.5	2.8	1.4	0.3	1.7	3.2	1.6	1.8
July 1990	1.1	3.2	1.1	.4	1.2	3.4	1.1	2.4
New Mexico								
August 1990	1.5	1.6	1.2	1.8	1.9	1.6	1.6	3.2
July 1990	1.5	.9	1.3	1.1	2.0	1.0	1.7	1.1
Texas								
August 1990	.4	1.8	.4	.2	.7	2.0	.8	.9
July 1990	.3	1.6	.3	.3	.5	1.9	.6	1.1
PAD District IV Average								
August 1990	1.0	.8	.9	.2	1.4	.9	1.2	.5
July 1990	1	.9	.2	.3	.2	.9	.3	.5
Colorado								
August 1990	1.7	2.0	1.6	.3	2.5	2.2	2.3	1.1
July 1990	.2	2.4	.3	.2	.3	2.5	.5	1.2
Idaho								
August 1990	1.1	1.1	1.0	.4	1.1	1.1	1.0	.3
July 1990	.7	1.3	.7	.1	.7	1.3	.7	.5
Montana								
August 1990	.8	1.6	.8	.3	1.1	1.6	1.0	.8
July 1990	.6	.6	.4	.5	.7	.6	.5	.4
Utah								
August 1990	.2	.9	.2	.3	.4	1.6	.3	NA
July 1990	.6	.4	.7	.8	.8	.9	.8	.6
Wyoming								
August 1990	.6	1.5	.7	.3	.7	1.7	.8	1.0
July 1990	.3	1.1	.4	.3	.4	1.2	.5	.7
PAD District V Average								
August 1990	.6	1.2	.5	.3	1.1	1.6	.9	1.9
July 1990	.5	1.2	.5	.2	1.1	1.6	1.0	1.1
Alaska								
August 1990	1.8	5.2	2.5	1.4	NA	4.9	2.9	3.3
July 1990	1.9	2.9	2.0	.8	2.2	2.1	2.3	2.5
Arizona								
August 1990	.3	.6	.3	.5	.5	.5	.4	1.9
July 1990	.2	1.1	.2	.3	.4	1.1	.4	1.5
California								
August 1990	.9	1.8	.8	.4	2.1	2.3	1.6	2.6
July 1990	.8	1.9	.8	.3	1.8	2.4	1.7	1.5
Hawaii								
August 1990	.2	1.1	.5	.1	NA	3.2	3.7	2.2
July 1990	.1	1.4	.6	.1	NA	3.4	3.7	2.9
Nevada								
August 1990	.5	1.6	.7	.1	.6	1.7	.8	2.1
July 1990	.4	1.1	.3	.1	.4	1.0	.4	1.3
Oregon								
August 1990	1.1	.8	1.0	.9	1.3	1.0	1.2	1.0
July 1990	1.0	.7	.9	.2	1.5	.7	1.2	.9
Washington								
August 1990	.3	2.1	.4	.3	.6	2.4	1.1	1.3
July 1990	.2	1.4	.3	.3	.4	1.5	.7	.9

^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
(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												
August 1990	0.4	0.7	0.3	0.2	0.5	0.1	0.3	0.7	0.1	0.2	0.7	0.1
July 1990	.3	.5	.2	.2	.4	.1	.2	.6	.2	.2	.7	.1
PAD District I Average												
August 1990	1.9	1.8	.4	.2	.5	.1	.3	.7	.1	.2	.6	.1
July 1990	1.4	2.2	.7	.3	.4	.1	.3	.8	.3	.3	.5	.1
Subdistrict IA Average												
August 1990	2.2	3.2	.1	1.3	.4	.1	1.0	.7	.2	.9	.5	.1
July 1990	.8	1.5	.2	2.2	.5	.1	1.9	.6	.2	1.4	.3	.1
Connecticut												
August 1990	NA	NA	NA	.4	.6	.1	.8	.2	.1	.9	.7	.1
July 1990	NA	1.0	NA	.4	.5	.2	.8	1.2	.1	.7	.7	.1
Maine												
August 1990	-	-	NA	.3	.3	.6	.3	1.1	.5	.4	.7	.5
July 1990	-	-	NA	.8	.9	.3	.6	.6	.4	.3	.3	.3
Massachusetts												
August 1990	NA	.8	NA	2.0	.5	.2	1.8	1.4	.3	1.6	1.6	.1
July 1990	NA	.0	NA	3.3	.8	.1	2.8	1.4	.3	2.5	.9	.2
New Hampshire												
August 1990	-	NA	.4	.3	.7	.1	.5	.8	.1	.5	.8	.1
July 1990	-	NA	.1	.3	.4	.2	.3	.1	.1	.5	.6	.1
Rhode Island												
August 1990	NA	NA	NA	.1	2.4	.0	.0	NA	.0	.1	.0	.0
July 1990	NA	NA	NA	.9	2.6	.0	.8	NA	.0	.6	.5	.0
Vermont												
August 1990	NA	NA	.5	.4	.8	.6	.8	.7	1.0	.7	1.0	.6
July 1990	NA	NA	1.3	.5	.7	.6	.3	.4	.7	.8	.8	.4
Subdistrict IB Average												
August 1990	NA	1.6	.6	.4	.8	.2	.5	1.6	.2	.3	1.0	.2
July 1990	.6	2.7	.7	.2	.7	.1	.3	1.6	.2	.3	.9	.1
Delaware												
August 1990	-	-	-	.3	1.0	.1	.5	1.1	.1	.5	1.1	.1
July 1990	-	-	-	.3	.3	.1	.4	1.0	.1	.4	.2	.1
District of Columbia												
August 1990	-	-	NA	NA	1.9	.1	NA	NA	.0	NA	3.4	.1
July 1990	-	-	-	NA	.1	.0	NA	.0	.0	NA	.1	.0
Maryland												
August 1990	NA	-	NA	.9	1.1	.1	1.8	2.5	.1	1.7	1.7	.1
July 1990	NA	NA	-	1.0	1.1	.1	1.8	1.4	.1	2.0	1.3	.1
New Jersey												
August 1990	-	NA	-	.1	2.5	.1	.1	3.5	.4	.2	2.2	.2
July 1990	NA	NA	NA	.1	3.1	.1	.1	3.6	.2	.1	2.9	.2
New York												
August 1990	NA	1.9	1.4	.7	.9	.2	.7	.1	.4	.5	1.4	.3
July 1990	.7	3.6	.5	.4	1.0	.3	.3	.1	.3	.3	.3	.4
Pennsylvania												
August 1990	NA	1.4	.4	.5	1.8	.5	.7	1.6	.5	.7	1.3	.4
July 1990	NA	.8	.3	.4	.9	.2	.5	.9	.4	.5	.6	.2
Subdistrict IC Average												
August 1990	3.6	1.9	.8	.3	.8	.2	.4	.9	.2	.4	1.0	.2
July 1990	1.9	.5	1.2	.3	.6	.2	.4	1.0	.6	.4	.8	.2
Florida												
August 1990	1	NA	NA	.5	1.7	.2	.5	3.9	.3	.3	3.1	.1
July 1990	.0	NA	NA	.4	1.5	.2	.4	4.4	.2	.4	3.0	.1
Georgia												
August 1990	NA	-	NA	.3	1.1	.7	.4	1.1	.6	.5	1.4	.7
July 1990	3.7	-	NA	.4	.9	.4	.4	1.7	.4	.5	1.0	.4
North Carolina												
August 1990	.5	NA	2.0	.7	1.7	.5	.8	1.8	.4	1.1	1.8	.4
July 1990	.0	NA	1.9	.4	1.3	.3	.9	1.8	2.1	1.1	1.4	.8
South Carolina												
August 1990	NA	-	NA	1.5	2.3	.7	1.7	2.0	.9	1.7	1.5	.9
July 1990	.2	-	NA	1.3	2.1	1.5	1.8	1.4	1.5	2.1	1.8	1.6

See footnotes at end of table

Table 51. Standard Errors of Motor Gasoline Prices^a by Grade (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	
Virginia												
August 1990	NA	3.6	0.7	0.6	0.9	0.2	0.8	1.5	0.3	0.6	1.0	0.2
July 1990	0.2	1.0	.8	.6	.7	.2	.9	1.9	.3	1.1	1.2	.2
West Virginia												
August 1990	-	1.5	NA	.9	.5	.3	1.1	1.1	.4	.7	.6	.7
July 1990	NA	.9	NA	.5	.4	.4	1.1	.6	.4	.4	.4	.4
PAD District II Average												
August 1990	.5	1.1	.3	.3	.8	.1	.7	1.1	.1	.4	.7	.1
July 1990	.4	.8	.2	.2	.4	.1	.3	1.0	.2	.3	.8	.2
Illinois												
August 1990	1.7	1.8	.7	.6	1.3	.3	.6	2.6	.3	.5	1.3	.2
July 1990	1.6	1.1	.5	.5	1.2	.2	1.0	1.5	.2	.9	1.9	.2
Indiana												
August 1990	.9	4.2	.6	1.0	1.3	.2	3.3	1.3	.3	2.4	1.2	.5
July 1990	.7	4.4	.4	.8	1.3	.1	1.7	2.2	.2	1.6	2.3	.2
Iowa												
August 1990	1.3	4.7	1.0	.7	2.3	.3	1.0	NA	.5	.7	1.4	.5
July 1990	.8	1.6	.9	.6	1.5	.4	1.5	NA	.4	.9	3.0	.6
Kansas												
August 1990	1.1	3.3	.2	.9	3.8	.2	.6	NA	.3	.7	3.6	.4
July 1990	1.2	.9	.2	1.2	1.0	.2	.1	-	.2	.6	NA	.4
Kentucky												
August 1990	.2	.4	.1	.7	.7	.3	.7	.4	.3	1.3	1.2	.6
July 1990	1.1	.2	.3	.4	.8	.4	.3	.9	.6	.5	1.5	.4
Michigan												
August 1990	1.3	2.2	.4	1.1	1.3	.2	.8	1.1	.3	.8	1.3	.3
July 1990	.9	2.2	.7	.7	1.6	.3	.6	1.5	.3	.8	1.2	.3
Minnesota												
August 1990	1.1	2.0	.5	1.1	2.6	.6	2.1	NA	.1	.8	2.4	.7
July 1990	.6	1.5	.5	1.0	1.9	.4	1.0	NA	.1	.3	1.9	.4
Missouri												
August 1990	1.0	1.8	.4	.5	.8	.5	.3	1.2	.4	.7	4.1	.3
July 1990	.8	1.2	.3	.4	1.0	.2	.4	NA	.2	.8	2.1	.3
Nebraska												
August 1990	1.1	1.1	1.0	.8	1.3	2.0	NA	-	NA	.9	NA	3.3
July 1990	.9	1.5	.9	.4	1.3	1.0	NA	-	NA	1.0	NA	.9
North Dakota												
August 1990	1.0	2.7	.7	1.3	1.7	1.4	.0	6.0	NA	1.6	.6	2.6
July 1990	.7	1.0	.5	.9	1.5	.2	.0	4.4	NA	1.5	1.5	2.2
Ohio												
August 1990	.5	2.1	2.1	.3	1.4	.2	.2	2.3	.1	.6	1.5	.1
July 1990	.5	2.9	1.0	.1	1.1	.1	.1	2.4	.1	.4	1.4	.1
Oklahoma												
August 1990	3.0	2.0	1.1	1.8	1.6	.6	.7	.8	4.1	1.9	1.1	.8
July 1990	.4	1.2	1.0	.6	1.3	.2	.1	NA	2.9	.4	1.8	.4
South Dakota												
August 1990	.9	2.3	.2	.7	1.6	.2	-	-	NA	1.7	2.0	.7
July 1990	2.0	1.7	.3	1.2	1.5	.2	-	-	NA	2.6	4.0	.6
Tennessee												
August 1990	.5	-	.7	.2	3.2	.3	.1	3.5	.5	.2	3.6	.5
July 1990	.9	-	.4	.2	2.0	.5	.1	2.2	.7	.2	3.6	.8
Wisconsin												
August 1990	1.5	2.2	2.1	.7	2.7	.4	.6	3.4	.4	1.1	4.1	.8
July 1990	1.3	1.1	1.4	1.1	1.2	.3	.7	2.7	.2	.3	1.8	.5
PAD District III Average												
August 1990	.8	2.1	1.1	.4	1.6	.2	.8	2.8	.3	1.0	1.7	.2
July 1990	.8	1.4	.6	.3	1.1	.2	.4	1.3	.4	.5	1.3	.3
Alabama												
August 1990	NA	-	NA	2.3	1.7	.8	2.7	2.3	1.0	4.1	3.2	1.0
July 1990	NA	-	.0	1.3	2.2	.9	1.7	2.1	1.3	2.1	3.2	1.2
Arkansas												
August 1990	2.4	NA	.9	1.2	9.0	.4	.9	NA	.9	1.2	NA	.6
July 1990	3.6	.6	.2	.7	3.2	.4	1.3	1.5	.7	1.4	4.5	.7

See footnotes at end of table.

Table 51. Standard Errors of Motor Gasoline Prices^a by Grade (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	
Louisiana												
August 1990	0.0	NA	0.0	0.3	4.5	0.4	0.5	3.0	0.6	0.6	4.0	0.6
July 1990	.0	NA	.0	.4	1.1	.8	.3	1.1	1.3	.3	1.3	.9
Mississippi												
August 1990	.0	NA	NA	1.3	2.4	.2	1.4	3.0	.8	1.7	3.3	.4
July 1990	.0	NA	NA	1.0	2.4	.3	1.1	5.1	.8	.9	4.1	.4
New Mexico												
August 1990	1.4	2.8	2.4	1.7	1.1	1.6	.0	NA	NA	1.5	1.7	1.3
July 1990	1.8	1.2	1.1	1.7	1.0	1.2	.0	NA	NA	.9	2.6	.7
Texas												
August 1990	.8	1.2	.4	.3	1.9	.2	1.0	3.7	.3	.3	1.3	.3
July 1990	.7	2.4	.5	.4	1.9	.2	.3	2.0	.5	.1	1.3	.5
PAD District IV Average												
August 1990	.7	1.0	.2	.9	.8	.2	2.4	4.7	.8	1.5	1.0	.2
July 1990	.2	.6	.3	.2	.9	.3	.9	2.2	.4	.3	1.4	.2
Colorado												
August 1990	1.3	2.2	.4	1.5	1.9	.3	2.7	NA	.9	2.3	2.2	.4
July 1990	.3	2.0	.3	.1	2.6	.2	.9	NA	.4	.2	3.2	.2
Idaho												
August 1990	1.4	1.6	.5	.9	1.2	.4	-	-	-	1.1	.9	.3
July 1990	.7	1.2	.1	.6	1.2	.1	-	-	-	1.2	.9	.2
Montana												
August 1990	.7	1.7	.3	.8	1.3	.3	-	NA	NA	.7	2.1	.6
July 1990	.4	.5	.6	.6	.7	.5	-	NA	NA	.9	.8	.4
Utah												
August 1990	.4	1.4	.3	.3	1.0	.3	.8	NA	NA	.2	.1	.2
July 1990	.7	.6	.8	1.0	.5	1.0	.2	-	NA	.1	.0	.5
Wyoming												
August 1990	.6	1.7	.2	.5	1.7	.3	NA	NA	1.2	.8	1.4	.6
July 1990	.4	1.0	.2	.3	1.2	.3	NA	NA	.1	.3	1.2	.5
PAD District V Average												
August 1990	.8	1.3	.4	.6	1.1	.3	.1	.4	.1	.7	1.8	.4
July 1990	.6	1.1	.2	.5	1.1	.2	.1	1.1	.1	.6	1.8	.2
Alaska												
August 1990	6.6	6.8	1.7	2.2	4.6	1.4	NA	NA	-	.0	NA	1.1
July 1990	3.4	2.9	.8	2.7	3.6	.9	NA	NA	-	.0	4.8	.6
Arizona												
August 1990	.2	.3	.9	.3	.5	.3	NA	-	NA	.4	.7	.8
July 1990	.2	1.1	.5	.3	.9	.1	NA	-	NA	.3	1.5	.4
California												
August 1990	1.1	2.0	.6	.9	1.6	.4	.3	.1	.0	1.0	2.2	.5
July 1990	.9	2.0	.4	.8	1.7	.3	.0	NA	.0	.8	2.4	.3
Hawaii												
August 1990	-	-	-	.2	.8	.1	.2	.7	.1	.2	1.6	.1
July 1990	-	-	-	.1	1.1	.1	.1	1.5	.1	.1	1.8	.1
Nevada												
August 1990	.6	.3	.1	.8	2.0	.1	-	-	NA	.2	1.1	.2
July 1990	.6	.3	.1	.4	1.4	.3	-	-	NA	.3	.7	.1
Oregon												
August 1990	2.4	1.1	1.4	.8	.9	.7	NA	-	-	1.6	.9	1.0
July 1990	1.5	.8	.3	1.1	.7	.2	NA	-	-	1.0	.7	.3
Washington												
August 1990	.3	2.6	.4	.3	2.2	.3	NA	NA	NA	.5	1.4	.2
July 1990	.2	1.2	.3	.2	1.6	.3	1.2	NA	NA	.2	1.4	.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.

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

Geographic Area Month	Sales to End Users					Average	Sales for Resale
	To Residential Consumers ^b	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^c	To Other End Users		
U.S. Average							
August 1990	4.1	0.2	0.5	0.4	0.5	1.2	0.1
July 1990	.6	.2	.4	.3	.8	.3	.1
PAD District I Average							
August 1990	4.5	.5	1.0	.5	.5	3.1	.2
July 1990	.7	.3	.5	.5	.6	.3	.1
Subdistrict IA Average							
August 1990	.7	1.2	1.9	1.3	.5	.7	.1
July 1990	.9	.7	1.2	1.3	.6	.7	.1
Connecticut							
August 1990	1.4	3.1	2.1	3.0	1.5	1.6	.1
July 1990	1.2	2.6	2.3	2.1	1.7	.9	.3
Maine							
August 1990	1.0	.7	1.0	.8	.3	1.0	.3
July 1990	1.0	.5	.7	.7	.4	.4	.4
Massachusetts							
August 1990	1.3	2.3	4.7	1.4	.5	1.0	.3
July 1990	1.7	1.2	2.4	1.5	1.1	1.4	.1
New Hampshire							
August 1990	2.1	1.0	1.2	.9	2.6	1.3	.1
July 1990	1.1	1.3	1.4	.8	4.1	.7	.1
Rhode Island							
August 1990	1.5	1.3	.4	.9	.1	1.0	.0
July 1990	1.5	1.0	NA	1.4	1.1	1.0	.0
Vermont							
August 1990	.7	.7	2.5	.6	2.5	.7	.1
July 1990	1.0	1.2	1.7	.4	2.1	.9	.1
Subdistrict IB Average							
August 1990	6.3	.7	.8	.9	.6	6.0	.2
July 1990	1.0	.6	.5	.9	.6	.5	.1
Delaware							
August 1990	1.1	1.0	3.0	.6	1.5	.9	.1
July 1990	2.7	.3	.6	.3	1.7	.6	.1
District of Columbia							
August 1990	.5	1.1	NA	NA	.3	2.4	.1
July 1990	.1	.1	NA	NA	NA	.1	.0
Maryland							
August 1990	1.5	3.0	1.7	1.2	1.2	1.3	.3
July 1990	1.8	1.3	1.9	.9	1.1	.7	.1
New Jersey							
August 1990	1.5	1.0	1.5	.5	1.7	.9	.7
July 1990	1.6	.6	1.4	2.0	1.6	.8	.3
New York							
August 1990	1.5	.8	.5	2.9	.9	.9	.1
July 1990	1.2	.8	1.3	1.7	.8	.8	.1
Pennsylvania							
August 1990	8.5	.7	.6	1.0	1.0	NA	.3
July 1990	.9	1.1	.6	.6	1.2	.8	.1
Subdistrict IC Average							
August 1990	2.5	.6	1.3	.7	.9	.7	.4
July 1990	1.6	.3	.8	.7	1.0	.5	.3
Virginia							
August 1990	1.9	.6	3.2	1.3	1.7	.8	.2
July 1990	2.6	.6	1.5	.6	1.4	.7	.2
West Virginia							
August 1990	.9	.3	.4	.8	1.8	.6	.6
July 1990	1.6	.3	.2	2.1	1.2	.5	.3
PAD District II Average							
August 1990	1.1	.3	.6	.5	.9	.6	.1
July 1990	1.1	.4	1.0	.4	2.1	.6	.1
Illinois							
August 1990	2.6	1.1	3.2	1.1	2.1	.9	.2
July 1990	1.1	.4	7.0	.6	1.4	1.0	.2

See footnotes at end of table.

**Table 52. Standard Errors of No. 2 Distillate Prices^a by Sales Type,
for 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							
August 1990	4.2	1.1	1.9	0.9	2.5	0.7	0.2
July 1990	2.2	.6	1.8	1.2	2.4	.8	.2
Michigan							
August 1990	1.8	1.5	1.1	1.4	2.0	.8	.3
July 1990	2.9	2.7	2.2	1.7	2.8	1.6	.3
Minnesota							
August 1990	2.9	.7	1.3	1.0	1.9	1.2	.7
July 1990	2.0	.4	1.7	2.4	1.5	1.0	.6
Ohio							
August 1990	2.5	1.0	1.7	.5	3.0	.8	.3
July 1990	1.7	2.0	2.3	.3	2.0	1.0	.1
Wisconsin							
August 1990	1.4	.8	2.1	1.0	1.7	.8	.1
July 1990	1.4	1.4	1.8	.8	1.2	1.1	.1
PAD District III Average							
August 1990	NA	.2	.8	1.1	1.3	.5	.2
July 1990	NA	.3	.8	.7	1.1	.4	.1
PAD District IV Average							
August 1990	2.0	.6	1.6	2.3	1.3	.8	.3
July 1990	.9	.5	1.3	1.9	.8	.6	.4
Idaho							
August 1990	1.1	1.7	1.2	1.2	2.9	1.9	.8
July 1990	1.5	.2	.3	.7	.8	1.1	.1
PAD District V Average							
August 1990	2.5	.8	.8	1.1	1.0	.5	.7
July 1990	3.5	.5	.6	.9	1.4	.6	.2
Alaska							
August 1990	.9	2.4	2.1	.6	1.2	1.1	.6
July 1990	1.7	.7	1.3	3.5	.1	1.4	.1
Oregon							
August 1990	1.7	1.0	1.4	4.5	.3	1.6	3.2
July 1990	1.0	1.2	1.3	1.6	1.2	.9	1.6
Washington							
August 1990	3.3	1.8	1.6	1.3	1.4	1.0	.5
July 1990	4.3	.5	.6	1.4	2.3	1.0	.3

^a Sales prices shown in Table 38.

^b No. 2 fuel oil only.

^c No. 2 diesel fuel only.

NA Not available.

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

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

**Table 53. Standard Errors of No. 2 Fuel Oil Prices,^a
for 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						
August 1990	4.1	0.7	0.8	0.7	4.1	0.1
July 1990	.6	.4	.7	.7	.4	.1
PAD District I Average						
August 1990	4.5	1.1	.9	1.0	4.8	.2
July 1990	.7	.7	.8	1.0	.6	.1
Subdistrict IA Average						
August 1990	.7	2.4	1.1	1.4	.9	.2
July 1990	.9	.8	.4	1.9	1.1	.2
Connecticut						
August 1990	1.4	2.0	1.3	2.3	1.7	.2
July 1990	1.2	2.7	.9	4.9	1.0	.5
Maine						
August 1990	1.0	1.1	.5	.2	1.7	.4
July 1990	1.0	.4	.5	.2	1.5	.5
Massachusetts						
August 1990	1.3	5.0	.6	.1	1.3	.1
July 1990	1.7	1.5	.4	.0	1.8	.1
New Hampshire						
August 1990	2.1	1.1	.0	.0	1.8	.1
July 1990	1.1	.7	.0	.0	.9	.1
Rhode Island						
August 1990	1.5	1.2	.0	NA	1.2	.0
July 1990	1.5	1.7	.7	NA	1.3	.0
Vermont						
August 1990	.7	.7	4.1	.3	.7	.1
July 1990	1.0	1.7	3.3	.3	.9	.2
Subdistrict IB Average						
August 1990	6.3	1.0	1.3	.3	7.3	.3
July 1990	1.0	1.7	.7	.4	.7	.1
Delaware						
August 1990	1.1	2.8	.5	.1	.9	.1
July 1990	2.7	1.5	.0	.0	1.3	.1
District of Columbia						
August 1990	.5	.8	-	-	3.6	.1
July 1990	.1	.8	-	NA	.2	.0
Maryland						
August 1990	1.5	2.2	1.5	.8	1.3	.5
July 1990	1.8	1.3	2.0	.9	.8	.1
New Jersey						
August 1990	1.5	1.6	.4	1.6	1.2	.8
July 1990	1.6	1.4	1.4	2.2	1.2	.3
New York						
August 1990	1.5	1.2	.2	.0	1.1	.1
July 1990	1.2	1.1	.1	.0	1.0	.1
Pennsylvania						
August 1990	8.5	2.4	1.2	.4	NA	.3
July 1990	.9	3.8	.8	.1	1.2	.1
Subdistrict IC Average						
August 1990	2.5	.6	1.5	2.5	1.9	.1
July 1990	1.6	.6	2.2	2.3	1.6	.1
Virginia						
August 1990	1.9	.4	2.9	1.3	1.5	.2
July 1990	2.6	.8	1.9	.3	1.8	.1
West Virginia						
August 1990	.9	1.2	2.5	.6	.6	.2
July 1990	1.6	2.1	2.0	NA	1.1	.1
PAD District II Average						
August 1990	1.1	.3	2.3	1.1	.7	.1
July 1990	1.1	.5	1.9	.9	.8	.1
Illinois						
August 1990	2.6	.7	5.3	1.1	1.9	.2
July 1990	1.1	1.0	7.3	1.9	2.1	.1

See footnotes at end of table.

**Table 53. Standard Errors of No. 2 Fuel Oil Prices,^a
for Selected States (Continued)**
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users				Average	Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users		
Indiana						
August 1990	4.2	1.5	1.8	5.0	2.1	0.1
July 1990	2.2	1.6	2.0	2.6	1.0	.1
Michigan						
August 1990	1.6	1.2	2.3	4.7	1.5	.3
July 1990	2.5	1.7	3.4	2.0	2.8	.4
Minnesota						
August 1990	2.9	1.0	4.0	5.8	2.8	.5
July 1990	2.0	.4	3.6	1.6	2.3	.2
Ohio						
August 1990	2.5	.2	2.0	3.8	1.0	.1
July 1990	1.7	.2	.7	NA	1.9	.1
Wisconsin						
August 1990	1.4	1.0	2.7	3.8	1.2	.2
July 1990	1.4	2.2	4.5	3.1	1.5	.1
PAD District III Average						
August 1990	NA	.1	.1	.1	.1	.1
July 1990	NA	.1	.1	.1	.1	.1
PAD District IV Average						
August 1990	2.0	.1	NA	NA	1.3	.0
July 1990	.9	.1	NA	5.6	1.7	.0
Idaho						
August 1990	1.1	NA	-	-	1.2	.0
July 1990	1.5	NA	NA	NA	1.8	.0
PAD District V Average						
August 1990	2.5	1.1	.7	.6	.8	.6
July 1990	3.5	4.7	2.6	.4	2.0	.1
Alaska						
August 1990	.9	1.1	NA	3.0	.7	1.7
July 1990	1.7	.9	NA	.0	.8	.2
Oregon						
August 1990	1.7	1.1	.8	.0	1.5	.5
July 1990	1.0	.8	NA	NA	.3	.1
Washington						
August 1990	3.3	1.2	1.5	.3	1.0	.1
July 1990	4.3	3.5	2.2	1.1	2.7	.1

^a Sales prices shown in Table 39.

Dashes (-) : No data reported.

NA : Not available

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

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

**Table 54. Standard Errors of Residual Fuel Oil Prices,^a
for 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						
August 1990	0.2	0.2	0.1	0.1	0.1	0.1
July 1990	.1	.1	.2	.1	.1	.1
PAD District I Average						
August 1990	.1	.4	.2	.1	.2	.2
July 1990	.2	.1	.2	.0	.1	.1
Subdistrict IA Average						
August 1990	.1	.1	.1	.0	.4	.1
July 1990	.1	.1	.1	.0	.1	.1
Connecticut						
August 1990	.1	.0	NA	-	.1	.0
July 1990	.1	NA	-	-	.1	NA
Maine						
August 1990	.0	NA	1.6	.0	1.8	.0
July 1990	0	NA	.5	.0	.8	.0
Massachusetts						
August 1990	.0	.1	.0	.0	.0	.1
July 1990	0	.1	.0	.0	.0	.1
New Hampshire						
August 1990	.0	NA	.0	NA	.0	.0
July 1990	0	NA	.0	NA	.0	.0
Rhode Island						
August 1990	.0	NA	-	NA	.0	NA
July 1990	.0	NA	-	-	.0	NA
Subdistrict IB Average						
August 1990	.2	.7	.1	.2	.2	.3
July 1990	.2	.1	.1	.0	.2	.1
Delaware						
August 1990	.4	NA	.1	-	2.4	NA
July 1990	.0	NA	.0	-	.0	NA
Maryland						
August 1990	.1	2.1	.4	1.4	.2	1.5
July 1990	.1	.0	.0	NA	.1	.0
New Jersey						
August 1990	.1	.1	.0	.0	.1	.1
July 1990	.1	.1	.0	.0	.1	.1
New York						
August 1990	.2	1.6	.1	.0	.1	1.4
July 1990	.4	.3	.1	.0	.3	.3
Pennsylvania						
August 1990	1.3	.0	.1	.0	.6	.0
July 1990	2.4	.0	.1	NA	.9	.0
Subdistrict IC Average						
August 1990	.1	NA	.1	.1	.1	.1
July 1990	.0	.0	.4	.0	.3	.0
Florida						
August 1990	.1	NA	.0	NA	.1	.0
July 1990	.0	.0	.0	.0	.0	.0
Georgia						
August 1990	-	-	.4	NA	.4	NA
July 1990	NA	-	.0	NA	.0	NA
North Carolina						
August 1990	NA	NA	.2	.0	.2	.0
July 1990	NA	NA	.0	NA	.0	.0
South Carolina						
August 1990	NA	-	.1	NA	.1	NA
July 1990	NA	-	3.0	NA	2.9	NA
Virginia						
August 1990	NA	NA	.3	.1	.6	.1
July 1990	.0	NA	.5	.0	.5	.0
PAD District II Average						
August 1990	1.0	.0	.4	.1	.3	.1
July 1990	1.9	.0	.5	.3	1.3	.2

See footnotes at end of table

**Table 54. Standard Errors of Residual Fuel Oil Prices,^a
for 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						
August 1990	NA	NA	NA	0.0	0.9	0.0
July 1990	3.1	NA	NA	.0	1.1	.0
Indiana						
August 1990	.0	NA	0.3	.0	.2	0
July 1990	.0	NA	.2	.0	.2	.0
Michigan						
August 1990	1.0	0.0	NA	NA	.9	.0
July 1990	1.7	.0	NA	.0	1.8	.0
Minnesota						
August 1990	NA	NA	.0	NA	.1	.0
July 1990	-	NA	.0	NA	.0	.0
Ohio						
August 1990	.0	-	.0	NA	.0	NA
July 1990	.0	NA	.0	NA	.0	.3
PAD District III Average						
August 1990	.6	.1	.2	.0	.3	.1
July 1990	.0	.1	.0	.1	.0	.1
Alabama						
August 1990	-	NA	.2	-	.2	NA
July 1990	NA	-	.0	NA	.0	NA
Louisiana						
August 1990	.7	.0	.5	.0	.6	.0
July 1990	.0	.0	.0	.1	.0	.1
Mississippi						
August 1990	-	-	NA	-	NA	-
July 1990	-	-	NA	-	NA	-
Texas						
August 1990	NA	.1	.1	.0	.1	.1
July 1990	.0	.1	.0	.2	.0	.1
PAD District IV Average						
August 1990	NA	.0	.0	.0	.9	.0
July 1990	NA	.0	.0	NA	1.1	.0
PAD District V Average						
August 1990	.5	.9	.2	.1	.2	.1
July 1990	.1	.1	.8	.1	.4	.1
California						
August 1990	NA	.9	.5	.1	.5	.1
July 1990	.1	.0	1.6	.1	1.0	.1
Hawaii						
August 1990	.0	-	.0	NA	.0	NA
July 1990	.0	-	.0	NA	.0	NA
Oregon						
August 1990	NA	NA	.1	.1	.1	1.3
July 1990	NA	NA	.1	.1	.1	1.2
Washington						
August 1990	-	NA	.0	.0	.0	.0
July 1990	NA	NA	.0	.0	.0	.0

^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
(Percent)

Geographic Area	Refiners		Resellers and Retailers		Suppliers	
	August 1990	July 1990	August 1990	July 1990	August 1990	July 1990
U.S. Average	97.6	98.9	93.5	95.7	99.8	99.9
PAD District I Average	98.2	98.8	93.5	96.5	99.9	100.0
Subdistrict IA Average	98.3	99.1	94.7	95.7	100.0	100.0
Connecticut	100.0	100.0	95.6	96.9	100.0	100.0
Maine	100.0	100.0	95.8	95.6	100.0	100.0
Massachusetts	92.0	100.0	95.5	94.5	100.0	100.0
New Hampshire	100.0	100.0	91.3	97.1	100.0	100.0
Rhode Island	100.0	100.0	100.0	97.6	100.0	100.0
Vermont	100.0	94.4	91.2	93.1	100.0	100.0
Subdistrict IB Average	96.9	98.7	94.9	97.3	100.0	100.0
Delaware	100.0	94.1	100.0	97.9	100.0	100.0
District of Columbia	100.0	100.0	95.4	100.0	100.0	100.0
Maryland	100.0	100.0	91.3	96.7	100.0	100.0
New Jersey	90.0	100.0	95.9	97.4	100.0	100.0
New York	97.3	97.0	92.6	95.7	100.0	100.0
Pennsylvania	97.4	100.0	96.5	98.2	100.0	100.0
Subdistrict IC Average	99.1	98.6	91.0	96.6	99.6	100.0
Florida	100.0	97.4	95.4	97.0	100.0	100.0
Georgia	100.0	97.4	87.1	93.3	100.0	100.0
North Carolina	100.0	97.4	92.8	97.6	100.0	100.0
South Carolina	97.3	100.0	88.1	96.6	100.0	100.0
Virginia	100.0	100.0	87.3	96.1	100.0	100.0
West Virginia	96.4	100.0	95.9	98.6	97.3	100.0
PAD District II Average	98.7	98.5	95.0	94.8	99.7	99.8
Illinois	92.1	100.0	93.8	95.6	98.1	100.0
Indiana	97.4	100.0	93.9	95.1	100.0	100.0
Iowa	100.0	100.0	94.6	96.0	97.8	100.0
Kansas	97.8	100.0	96.0	93.3	100.0	100.0
Kentucky	100.0	97.3	95.0	98.3	100.0	100.0
Michigan	100.0	100.0	93.7	95.2	100.0	100.0
Minnesota	100.0	91.2	93.4	92.2	100.0	100.0
Missouri	100.0	100.0	98.7	96.3	100.0	100.0
Nebraska	100.0	100.0	96.8	95.4	100.0	100.0
North Dakota	93.8	100.0	93.5	95.7	100.0	100.0
Ohio	100.0	97.0	96.7	96.7	100.0	100.0
Oklahoma	100.0	100.0	98.4	92.4	100.0	100.0
South Dakota	100.0	100.0	91.8	88.7	100.0	100.0
Tennessee	100.0	97.5	92.0	94.8	100.0	100.0
Wisconsin	100.0	96.5	97.1	95.8	100.0	97.8
PAD District III Average	97.3	99.6	93.0	96.5	100.0	100.0
Alabama	97.5	100.0	94.8	94.9	100.0	100.0
Arkansas	100.0	100.0	90.5	96.9	100.0	100.0
Louisiana	100.0	100.0	91.4	95.6	100.0	100.0
Mississippi	97.6	100.0	90.2	93.4	100.0	100.0
New Mexico	96.9	100.0	92.3	100.0	100.0	100.0
Texas	93.8	98.8	96.3	98.1	100.0	100.0
PAD District IV Average	97.6	100.0	91.9	95.6	100.0	100.0
Colorado	97.1	100.0	96.0	98.1	100.0	100.0
Idaho	100.0	100.0	90.6	94.3	100.0	100.0
Montana	95.2	100.0	85.7	92.3	100.0	100.0
Utah	100.0	100.0	91.4	97.3	100.0	100.0
Wyoming	96.8	100.0	97.8	97.8	100.0	100.0
PAD District V Average	92.2	96.9	90.2	94.3	99.0	99.5
Alaska	86.7	100.0	81.8	87.9	100.0	100.0
Arizona	92.0	100.0	93.2	97.7	100.0	100.0
California	93.3	95.1	88.9	91.1	96.3	97.9
Hawaii	77.8	100.0	85.7	100.0	100.0	100.0
Nevada	90.9	95.4	95.0	95.0	100.0	100.0
Oregon	95.8	100.0	92.4	98.5	100.0	100.0
Washington	96.3	96.3	89.7	95.6	100.0	100.0

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 on 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 by geographic area, sales type, 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 nonresidential 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 2,410 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 suppliers who make the first sale of any of the selected products on the EIA-782C, and who deliver that product into a State for consumption in that State. These respondents were selected with certainty, due to their small number and because of the relative size of their sales volume.

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 172 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 35,000 companies in January 1986, in order to collect 1985 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 1985 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 242 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 sam-

ples 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, reported values for respondents in the current month to the sum of the weighted, predicted values for respon-

dents 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

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

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

$$D_{ik} = P_{ik} - P_t$$

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,

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

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.

Relationship of Sales and Sales for Consumption Data

The volumetric data collected on the EIA-782C are related to the sales volumes reported on the EIA-782A, but conceptual differences exist, which cause variations in the aggregate data. For example:

- The EIA-782A volumetric data are intended to be used primarily with the price data collected on that schedule to generate weighted average sales prices for various petroleum product/sales categories. On the other hand, the EIA-782C data are intended for use, primarily, in understanding and assessing the distributional aspects of the petroleum product market.
- 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 and/or to be consumed. On the other hand, the EIA-782C is designed to collect data reflecting only first delivered sales of selected petroleum products into those States where the products are expected to be eventually consumed.
- A further difference involves the timing of sales and deliveries. The EIA-782A data reflect all sales for the reference month by refiners and gas plant operators in each State, regardless of when the product is to be delivered or consumed. Conversely, the EIA-782C data reflect only delivered sales. For example, the actual sale may be made in March, but the product not delivered until

April. For the EIA-782A schedule, the data related to that sale should be included in the March report, but that volume should be reported on the EIA-782C with the April data.

- In addition, the reporting universe for the EIA-782C survey is slightly larger than that of the EIA-782A. While refiners and gas plant operators report on both surveys, some large interstate resellers or distributors, as well as importers of selected petroleum products, report only on the EIA-782C.

Consequently, the volume data generated from the EIA-782A and EIA-782C surveys generally vary at both national and State levels. In particular, differences are expected in the data for the States and/or regions in which major supply origination or transfer points are located. For example, States with major refining areas, such as Texas or California, generally show an excess of "total sales" (as reported on the EIA-782A) over sales/deliveries for consumption in that State (i.e., "consumption sales" as reported on the EIA-782C), since some sales are made and the product turned over to the buyer at the refinery (e.g., some f.o.b. sales) with the product subsequently moved out of State by the buyer.

Similarly, regions with a high level of product imports by firms which are neither refiners nor gas plant operators (e.g., in the New England or Mid-Atlantic re-

gions) show higher "consumption sales" than "sales," since the import volumes would be reported only on the EIA-782C. Even the national volumes may differ, since these imports would not be reported as "sales" in any State/region on the EIA-782A, unless at some point in the distribution chain they were transferred to a refiner or gas plant operator that reported on the EIA-782A.

Additionally, States in which a major product pipeline terminal is located (e.g., Louisiana or New Jersey) may show varying "sales" levels since product ownership can be transferred to a buyer at either end. That is, a "sale" may occur in one State with the product subsequently transferred by the buyer to a different location for consumption or resale.

In summary, caution should be exercised in using and comparing the data generated from these two information systems. The U.S. petroleum product supply and distribution system is complex in nature; products enter and exit the distribution system at numerous points--points at which a "sale" may or may not occur, and which may or may not be geographically consistent with eventual consumption, which itself may not occur in the "sale" month. Total refiner sales, delivered first sales for consumption, and products supplied by producers reflect different, although related, concepts of measurement of volumes within the complex distribution system.

Federal and State Motor Fuel Taxes¹
(Cents per Gallon)

	Motor Gasoline	Diesel Fuel		Motor Gasoline	Diesel Fuel
Federal ²	9.10	15.10	Mississippi	18.20	18.20
Average State Tax	16.57	16.71	Missouri	11.00	11.00
Alabama	13.00	14.00	Montana	21.00	20.00
Alaska	8.00	8.00	Nebraska ³	12.50	12.50
Arizona	18.00	18.00	Nevada ³	18.00	22.00
Arkansas	15.50	14.50	New Hampshire	16.00	16.00
California ³	14.00	14.00	New Jersey ³	10.50	13.50
Colorado	20.00	18.00	New Mexico	17.00	17.00
Connecticut ³	22.00	22.00	New York ³	8.05	10.05
Delaware ³	16.00	16.00	North Carolina	21.75	21.75
District of Columbia ³ ..	18.00	18.00	North Dakota	17.00	17.00
Florida	10.90	10.90	Ohio	20.00	20.00
Georgia ³	7.50	7.50	Oklahoma	16.00	13.00
Hawaii ³	11.00	11.00	Oregon	18.00	18.00
Idaho	19.00	19.00	Pennsylvania	17.40	17.40
Illinois	19.03	21.50	Rhode Island	20.00	20.00
Indiana ³	15.08	16.00	South Carolina	16.50	16.50
Iowa	20.00	22.50	South Dakota	18.00	18.00
Kansas	17.00	19.00	Tennessee	21.00	18.00
Kentucky	15.00	12.00	Texas	15.00	15.00
Louisiana ³	20.00	20.00	Utah	19.00	19.00
Maine	17.00	20.00	Vermont	16.00	17.00
Maryland	18.50	18.50	Virginia	17.70	16.20
Massachusetts	17.00	17.00	Washington	22.00	22.00
Michigan ³	15.00	15.00	West Virginia	20.35	20.35
Minnesota	20.00	20.00	Wisconsin	21.50	21.50
			Wyoming	9.00	9.00

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 August 1, 1990, and will be updated as appropriate.

² The Federal tax on motor gasoline and diesel fuel changed from 4.0 cents to 9.0 cents on April 1, 1983. The Federal tax on diesel fuel changed from 9.0 cents to 15.0 cents on August 1, 1984. An additional 0.1 cent per gallon environmental excise tax was added January 1, 1987.

³ Additional State taxes are levied as follows: California: 6 percent sales tax, 0.25 percent earthquake sales tax; Connecticut: 3 percent gross earnings tax on all except fuel oil; Delaware and the District of Columbia: 6 percent sales tax on fuel oil; Georgia: 3 percent second motor fuel tax plus 1 percent sales tax; Hawaii: 4 percent sales tax; Indiana: 5 percent sales tax; Louisiana: 3 percent sales tax; Michigan: 4 percent sales tax; Nebraska: 15.8 percent excise tax based on State motor fuel costs (variable, set quarterly, currently 9.4 cents per gallon); Nevada: 0.6 cents per gallon imported petroleum products tax; New Jersey: 2.75 percent gross refinery tax; New York: 4 percent sales tax.

Source: State revenue/taxation offices.

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

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 cargoes 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.

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.

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.

Product Guide

Product Guide

Category	Table		
	Prices	Volumes	First Sales for Consumption
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	HL 1	HL 1	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	HL 1	HL 1	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	HL 1	HL 1	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	HL 1	HL 1	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	HL 1	HL 1	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	First Sales for Consumption
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	5, 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	15	--
No. 1 Distillate			
U.S. Average or Total	HL1	HL1	--
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State	36	45	--
No. 2 Distillate			
U.S. Average or Total	HL1	HL1	49
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4, 16	--	--
-from 1983 to present	15	3, 5	--
U.S., PAD District, and State			
-with detailed sales type data	36, 37, 38	45	--
U.S. and State	--	--	49
No. 2 Fuel Oil			
U.S. Average or Total	HL1	HL1	49
-by seller type	6, 7	8, 9	--
-from 1978 to present	2, 4	--	--
-from 1983 to present	--	3, 5	--
U.S., PAD District, and State			
-with detailed sales type data	39	--	--
U.S. and State	--	--	49

Product Guide

Category	Table		
	Prices	Volumes	First Sales for Consumption
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 boils at a temperature between 300 degrees and 550 degrees Fahrenheit, that has a flash point higher than 100 degrees Fahrenheit by ASTM Method D 56, that has a gravity range from 40 degrees-46 degrees API, and that has a burning point in the range of 150 degrees-175 degrees Fahrenheit. Included are the two classifications recognized by ASTM Specification D 3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum endpoint of 625 degrees Fahrenheit. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

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 not 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 1A: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

Subdistrict 1B: Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania.

Subdistrict 1C: 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.

Propane, Consumer Grade: A normally gaseous paraffinic compound (C_3H_8), 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.

Appendix

**Table A1. Refiner/Reseller Unleaded Gasoline Prices
by Seller Type**
(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												
August 1990	89.9	83.0	83.5	91.0	83.3	82.6	90.2	83.0	83.3	95.4	95.7	86.5
July 1990	78.1	68.4	68.5	78.5	65.7	63.4	77.7	67.6	67.2	80.2	78.4	69.4
PAD District I Average												
August 1990	87.6	81.6	83.8	88.4	85.1	85.6	87.7	82.8	83.8	94.4	92.8	88.0
July 1990	77.3	68.2	69.4	75.7	67.9	63.6	77.0	68.1	68.5	81.0	77.7	71.2
Subdistrict IA Average												
August 1990	90.8	84.7	86.0	-	W	84.9	90.8	85.5	85.9	98.7	93.9	86.1
July 1990	81.0	72.2	73.5	-	W	61.9	81.9	70.5	71.4	83.7	78.9	70.2
Connecticut												
August 1990	W	84.7	85.3	-	W	W	W	84.6	85.3	97.7	97.4	85.1
July 1990	W	75.2	73.1	-	W	W	W	74.8	72.9	82.6	83.4	70.7
Maine												
August 1990	W	85.5	83.3	-	W	W	W	82.8	83.4	101.5	93.5	85.9
July 1990	W	69.6	69.2	-	W	W	W	68.8	69.0	90.1	78.9	73.0
Massachusetts												
August 1990	91.9	86.3	87.5	-	W	84.3	91.9	86.6	87.2	97.0	92.2	84.5
July 1990	81.6	71.3	75.6	-	W	60.9	81.6	69.4	70.8	79.4	70.2	67.9
New Hampshire												
August 1990	W	W	85.9	-	W	W	W	81.8	85.9	99.5	97.7	89.5
July 1990	80.3	W	74.0	-	W	W	80.3	68.0	73.8	85.2	82.0	74.9
Rhode Island												
August 1990	92.4	W	86.0	-	W	W	92.4	W	85.9	96.8	92.4	85.1
July 1990	81.8	76.3	73.1	-	W	W	81.8	70.9	72.2	82.2	78.2	71.7
Vermont												
August 1990	W	W	W	-	-	W	W	W	86.6	100.9	95.8	93.4
July 1990	W	W	W	-	-	W	W	W	73.6	87.8	82.1	78.5
Subdistrict IB Average												
August 1990	87.5	84.0	83.7	89.3	85.9	87.8	87.8	84.7	84.2	96.0	92.4	87.3
July 1990	77.8	70.9	71.3	76.9	70.0	64.9	77.6	70.6	70.2	82.9	77.6	70.0
Delaware												
August 1990	W	W	80.9	-	-	W	W	W	81.0	92.1	83.3	85.1
July 1990	W	73.2	70.4	-	-	W	W	73.2	70.0	80.0	75.9	71.7
District of Columbia												
August 1990	-	80.1	84.3	-	-	-	-	80.1	84.3	W	NA	NA
July 1990	-	68.2	78.0	-	-	W	-	68.2	78.0	W	73.3	W
Maryland												
August 1990	-	81.0	83.4	W	W	83.1	W	81.1	83.4	93.0	90.9	87.2
July 1990	-	67.1	73.9	W	W	72.8	W	67.1	73.7	83.1	77.6	73.1
New Jersey												
August 1990	87.6	84.7	83.0	W	W	89.4	87.8	82.9	84.4	94.3	97.5	83.9
July 1990	79.9	69.0	71.2	W	W	63.2	80.1	68.4	68.5	82.0	83.4	65.3
New York												
August 1990	88.8	87.3	85.0	W	W	88.2	88.3	85.1	85.2	100.0	92.1	89.3
July 1990	78.6	75.2	73.0	W	W	66.7	77.7	72.2	72.5	85.6	78.2	75.3
Pennsylvania												
August 1990	86.3	85.8	83.4	92.5	88.7	86.9	87.3	87.6	83.7	94.0	93.0	89.4
July 1990	75.7	73.2	68.7	W	71.5	65.6	76.2	72.0	68.4	80.5	74.4	72.1
Subdistrict IC Average												
August 1990	87.3	80.2	82.9	87.7	84.0	83.3	87.3	81.1	83.0	92.1	92.4	89.4
July 1990	76.6	65.9	66.7	74.9	66.0	62.6	76.3	65.9	66.1	79.1	77.4	73.1
Florida												
August 1990	86.7	81.6	82.5	92.8	W	82.8	87.4	82.5	82.6	93.2	92.6	89.2
July 1990	77.6	68.2	68.4	77.5	W	62.7	77.6	65.8	67.5	80.9	77.2	73.2
Georgia												
August 1990	86.7	79.3	83.0	W	W	83.6	86.8	79.4	83.1	90.1	92.3	89.5
July 1990	74.5	65.1	65.3	73.3	W	61.9	74.3	65.1	64.8	76.3	73.7	70.8
North Carolina												
August 1990	87.0	78.1	83.1	W	W	84.3	86.7	78.2	83.2	90.5	92.1	89.4
July 1990	76.1	64.4	65.0	W	W	62.4	75.6	64.3	64.7	77.8	77.3	75.3
South Carolina												
August 1990	86.1	81.8	82.9	W	-	80.3	86.0	81.8	82.6	98.3	93.8	89.5
July 1990	72.1	66.7	65.1	W	-	62.1	72.0	66.7	64.6	82.3	78.1	74.2

See footnotes at end of table.

**Table A1. Refiner/Reseller Unleaded Gasoline Prices
by Seller Type (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	
Virginia												
August 1990	87.8	78.3	83.0	W	W	84.5	87.2	79.2	83.1	91.8	92.2	88.1
July 1990	79.7	85.7	88.2	W	W	83.0	78.7	85.0	87.8	78.7	78.7	72.8
West Virginia												
August 1990	95.1	91.7	83.8	88.2	W	85.7	94.8	91.5	84.0	96.8	91.7	90.5
July 1990	83.8	73.5	88.9	73.2	W	85.3	83.4	73.4	88.1	82.5	77.7	74.3
PAD District II Average												
August 1990	92.3	82.7	85.0	90.5	87.2	84.2	91.8	82.8	84.8	95.9	97.2	87.6
July 1990	78.4	88.4	85.4	72.3	88.3	81.9	75.3	88.4	84.4	77.8	77.1	88.7
Illinois												
August 1990	91.1	76.8	84.0	W	-	84.7	90.6	78.8	84.1	95.5	94.6	88.6
July 1990	79.1	85.8	86.8	W	-	81.2	77.0	85.8	85.5	75.7	76.4	85.2
Indiana												
August 1990	90.8	85.0	85.3	W	W	80.2	90.2	84.9	84.0	97.9	95.7	84.9
July 1990	72.9	85.7	85.1	W	W	83.3	72.2	85.5	84.8	79.7	73.8	88.4
Iowa												
August 1990	97.5	88.2	87.1	93.7	-	86.0	94.8	88.2	86.8	94.3	98.8	89.5
July 1990	78.5	W	84.4	73.8	-	81.9	74.8	W	83.3	78.1	80.7	88.7
Kansas												
August 1990	97.2	82.9	85.3	93.3	W	82.7	94.9	83.1	83.5	95.8	104.3	84.7
July 1990	76.5	82.7	82.8	71.8	W	80.1	73.7	82.4	80.9	74.8	74.9	84.5
Kentucky												
August 1990	94.4	89.0	87.1	93.5	W	83.8	94.3	89.0	86.9	96.8	93.2	92.4
July 1990	79.1	71.8	87.7	78.2	-	85.8	78.7	71.8	87.5	79.9	74.4	72.7
Michigan												
August 1990	90.5	78.7	85.5	W	W	86.1	90.4	78.7	85.8	95.5	93.9	88.8
July 1990	74.2	88.2	86.2	W	-	83.1	73.3	88.2	85.7	78.0	75.7	70.4
Minnesota												
August 1990	95.2	81.8	86.2	93.3	W	87.8	94.8	82.0	86.8	98.1	101.9	91.8
July 1990	81.3	83.8	85.9	78.8	W	83.3	80.7	83.8	84.9	84.4	83.2	87.9
Missouri												
August 1990	92.3	89.5	84.4	90.8	W	83.9	91.8	89.7	84.2	93.0	98.8	88.2
July 1990	77.9	86.7	84.7	72.3	W	81.1	75.8	88.3	83.3	74.1	77.8	85.4
Nebraska												
August 1990	W	83.7	87.2	93.2	-	86.1	98.1	83.7	86.8	100.2	101.0	88.7
July 1990	W	81.9	84.0	73.7	-	82.0	77.4	81.9	83.0	79.4	78.9	85.7
North Dakota												
August 1990	103.8	W	88.3	W	-	88.3	103.5	W	88.3	103.7	101.3	88.3
July 1990	89.6	W	87.7	W	-	84.2	89.1	W	85.9	87.5	83.0	85.8
Ohio												
August 1990	93.0	88.3	85.2	W	W	83.5	92.7	86.5	85.2	93.0	98.9	88.5
July 1990	76.2	71.1	85.9	W	W	83.8	75.7	71.2	85.7	78.0	79.8	87.9
Oklahoma												
August 1990	94.3	83.0	81.3	90.9	W	79.9	93.4	83.4	80.7	95.8	95.7	81.1
July 1990	73.2	58.9	80.3	71.2	W	80.1	72.8	59.0	60.2	72.5	71.2	61.8
South Dakota												
August 1990	W	W	87.5	W	W	85.8	95.2	W	86.7	103.8	97.5	88.4
July 1990	W	W	87.4	W	W	83.8	80.1	W	85.8	87.4	84.9	88.0
Tennessee												
August 1990	88.3	79.4	84.3	89.2	W	85.0	88.8	80.9	84.4	91.9	94.4	89.0
July 1990	76.3	85.8	85.7	74.8	W	82.4	75.8	85.5	85.1	75.8	75.8	70.3
Wisconsin												
August 1990	93.0	85.2	84.5	W	W	86.2	91.8	85.3	85.1	98.0	95.0	84.5
July 1990	74.0	84.0	83.3	W	W	82.2	72.9	83.7	82.9	77.3	73.9	65.3
PAD District III Average												
August 1990	89.3	81.2	80.7	89.9	81.3	78.8	89.5	81.2	79.9	94.2	93.0	80.7
July 1990	79.8	85.0	84.0	77.7	84.0	80.9	79.0	84.8	82.8	79.9	75.3	88.4
Alabama												
August 1990	89.5	80.8	83.6	88.6	79.8	84.8	89.3	80.6	83.9	98.7	94.0	90.9
July 1990	76.8	84.9	85.3	75.8	59.7	83.5	76.5	84.8	84.9	83.2	78.2	74.1

See footnotes at end of table.

**Table A1. Refiner/Reseller Unleaded Gasoline Prices
by Seller Type (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	
Arkansas												
August 1990	94.3	90.0	84.5	93.4	W	83.9	93.6	90.1	84.9	97.8	NA	90.1
July 1990	79.0	85.4	64.4	78.2	W	61.6	78.9	66.2	63.2	78.4	73.4	69.7
Louisiana												
August 1990	88.2	79.0	81.1	81.2	90.7	80.9	88.5	80.0	81.0	90.9	96.3	79.3
July 1990	78.2	W	63.9	75.9	W	61.1	77.8	63.9	63.0	78.1	74.9	73.5
Mississippi												
August 1990	90.3	82.5	83.4	W	79.8	86.4	90.6	82.1	84.0	93.5	94.5	89.7
July 1990	76.7	68.3	64.1	W	64.1	61.4	76.4	65.8	63.4	80.9	79.8	68.7
New Mexico												
August 1990	92.8	84.5	84.7	W	88.4	86.0	93.6	85.4	85.5	98.2	100.9	97.8
July 1990	80.1	72.4	70.9	W	72.5	69.9	79.2	72.5	70.4	83.7	84.0	80.7
Texas												
August 1990	89.2	81.1	79.1	89.0	78.8	76.5	89.1	80.5	78.0	92.2	87.7	77.8
July 1990	80.7	64.8	63.4	78.2	61.8	60.2	79.7	64.0	62.0	78.8	73.4	63.6
PAD District IV Average												
August 1990	92.7	81.3	85.0	92.4	W	86.7	92.6	81.4	85.6	98.4	97.3	90.5
July 1990	77.7	64.8	67.1	78.9	W	66.0	77.3	65.3	66.7	79.8	77.3	73.1
Colorado												
August 1990	93.5	W	85.5	92.1	-	88.0	92.7	W	86.4	101.2	97.9	96.0
July 1990	78.3	W	65.6	78.9	-	93.8	77.5	W	65.0	78.7	77.1	72.8
Idaho												
August 1990	W	W	84.5	W	-	85.8	98.8	W	84.8	98.1	95.9	91.4
July 1990	W	W	68.7	W	-	88.7	81.5	W	68.7	80.2	75.3	71.8
Montana												
August 1990	W	W	88.8	95.0	-	87.7	96.5	W	87.1	101.2	100.2	92.3
July 1990	W	W	67.1	78.7	-	86.2	79.8	W	86.8	83.4	80.6	72.3
Utah												
August 1990	89.0	80.4	82.7	W	W	84.3	89.1	81.0	83.3	90.1	91.1	NA
July 1990	75.1	67.1	68.0	W	W	66.5	75.1	67.9	67.5	78.6	76.0	74.6
Wyoming												
August 1990	96.9	85.7	87.1	96.6	W	87.5	96.7	85.9	87.3	101.4	96.2	92.2
July 1990	79.2	67.8	68.7	78.0	W	66.8	77.0	68.0	67.9	82.9	78.1	72.8
PAD District V Average												
August 1990	88.6	87.9	83.2	96.5	NA	83.5	90.8	84.9	83.3	98.9	99.1	88.2
July 1990	83.8	78.6	77.0	87.0	NA	73.2	84.6	69.6	76.2	86.9	86.1	77.4
Alaska												
August 1990	W	W	95.9	108.5	W	93.7	108.2	95.1	94.7	135.7	123.5	113.8
July 1990	W	W	85.9	99.4	W	82.3	99.0	87.8	84.1	110.0	104.8	97.1
Arizona												
August 1990	84.3	W	82.8	95.3	W	88.6	84.9	W	83.6	94.8	96.5	95.7
July 1990	79.8	W	75.3	W	W	74.9	80.2	77.9	75.2	84.3	86.0	82.6
California												
August 1990	88.8	88.0	82.9	95.0	NA	81.7	90.7	83.6	82.6	100.4	99.6	86.1
July 1990	84.7	78.0	77.5	85.3	NA	72.4	84.9	NA	76.3	91.6	85.9	75.9
Hawaii												
August 1990	W	W	94.4	W	W	W	W	W	94.3	W	112.6	101.1
July 1990	W	W	92.3	W	W	W	W	W	92.4	W	107.1	96.0
Nevada												
August 1990	85.7	90.2	83.5	W	W	NA	87.3	89.3	85.4	95.5	104.5	92.8
July 1990	78.6	77.3	74.6	W	W	NA	80.2	74.5	75.1	85.0	84.7	77.5
Oregon												
August 1990	94.5	W	83.3	W	W	85.6	94.8	86.2	83.5	99.9	98.9	93.5
July 1990	85.6	W	75.1	W	W	73.8	85.6	78.0	74.9	88.6	86.6	79.4
Washington												
August 1990	89.1	85.8	82.9	W	-	87.8	90.9	85.8	83.3	98.1	95.0	89.6
July 1990	81.3	77.3	73.7	W	-	73.7	82.6	77.3	73.7	86.3	84.4	80.9

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.

Note: Data in this table include both unleaded regular and unleaded midgrade motor gasoline and were previously published in Table 31.

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."

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