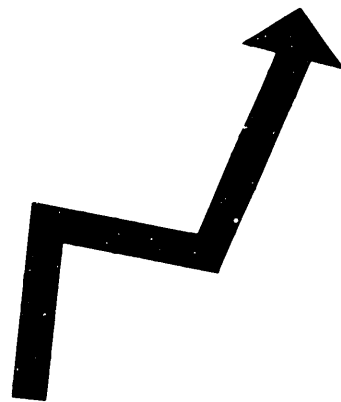


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November 1991

Petroleum Marketing Monthly



Energy Information Administration

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The petroleum marketing tape is sold for \$200 and should be referenced by NTIS number PB86-192101/HAA. It is also available on a subscription basis.

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- *Monthly Energy Review*, updated the last week of the month
- *Short Term Energy Outlook*, updated 60 days after the end of the quarter
- *Winter Fuels Report*, updated Thursdays at 5:00 p.m.

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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

World crude oil prices were somewhat more volatile in August, as the attempted coup in the Soviet Union combined with a variety of political and economic uncertainties to agitate an already nervous market. The Soviet situation ended virtually before its effects had fully impacted world markets, and the result was only a 2-day price spike, affecting primarily crude oil and distillates. After the potential crisis was averted, oil markets returned to the uncertain future posed by the continuation of worldwide economic doldrums, Iraqi

supply negotiations with the United Nations, and continuing production problems in the North Sea.

In the United States, crude oil prices rose moderately in August, while product markets were mixed. U.S. product demand remained soft but steady, as it had throughout the summer. However, with product imports relatively low, and scattered domestic refinery problems, U.S. product prices and refinery margins were firm in comparison to other world markets. Total

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

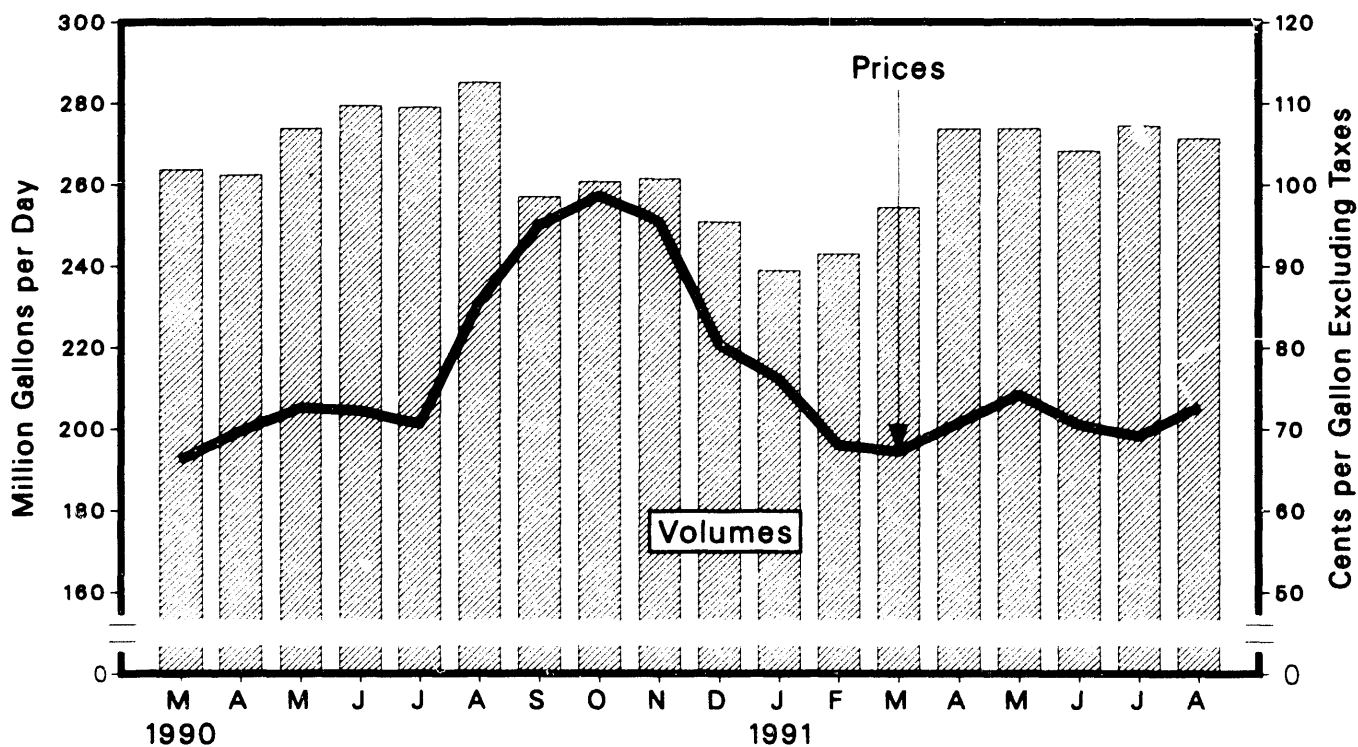
Products	Sales to End Users						Sales for Resale					
	August 1991		July 1991		August 1990		August 1991		July 1991		August 1990	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor Gasoline	81.0	62.7	79.0	62.6	92.2	63.0	72.7	271.3	69.1	274.4	85.6	285.0
Leaded Regular	70.3	1.8	68.5	1.8	89.3	2.3	67.1	9.6	62.9	9.8	85.1	14.5
Unleaded Regular	77.4	41.2	75.3	41.0	88.7	41.8	69.9	185.0	66.3	187.9	82.8	190.2
Unleaded Midgrade	86.2	8.4	84.3	8.4	95.6	7.9	76.1	25.5	72.6	25.3	87.2	25.9
Premium	92.1	11.3	90.1	11.4	103.7	11.1	81.9	51.2	78.5	51.4	94.9	54.5
Aviation Gasoline	105.8	.2	103.6	.3	112.6	.3	100.2	.9	98.9	.9	110.4	1.0
Kerosene-Type Jet Fuel	63.8	41.2	59.7	39.8	70.3	43.5	63.3	9.2	59.4	9.8	71.3	8.2
Propane (Consumer Grade)	63.4	2.3	60.6	2.2	64.7	2.4	29.6	23.2	27.6	23.6	36.3	26.7
Kerosene	68.7	.3	64.7	.2	87.4	.1	66.9	1.0	63.0	.7	80.7	1.7
No. 1 Distillate	68.1	.3	64.7	.3	82.5	.4	67.8	1.0	62.4	.8	82.5	1.2
No. 2 Distillate	63.1	25.5	59.4	24.2	75.9	27.0	61.3	94.6	56.9	94.9	73.0	102.8
No. 2 Fuel Oil	62.3	2.7	59.1	2.9	74.1	3.7	60.6	42.2	56.7	42.7	72.1	44.8
No. 2 Diesel Fuel	63.2	22.7	59.5	21.3	76.1	23.4	61.8	52.4	57.1	52.2	73.7	58.0
No. 4 Fuel^a	53.6	.5	50.0	.6	65.4	.8	37.5	.4	46.8	.2	63.3	.7
Residual Fuel Oil	31.0	24.8	31.2	28.3	44.1	29.5	27.9	18.5	29.0	13.2	44.4	18.6
Sulfur Content not > 1 %	36.6	9.3	36.4	10.2	50.7	12.2	33.3	4.8	32.6	3.6	49.5	7.2
Sulfur Content > 1 %	27.7	15.5	28.2	18.0	39.5	17.3	25.9	13.7	27.6	9.7	41.1	11.4

^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.

refiner sales of the major petroleum products remained flat from July levels.

West Texas Intermediate crude oil spot prices at Cushing, Oklahoma, moved slowly upward throughout the month, with only a brief spike associated with the failed Soviet coup. The composite refiner acquisition cost of crude oil in the United States climbed 31 cents (1.7 percent) in August, to \$18.88 per barrel.

U.S. product prices moved in opposite directions during most of August, as gasoline reached the end of its season and No. 2 heating oil began to rise in anticipation of colder weather. At New York Harbor, unleaded regular gasoline spot prices peaked at 74.7 cents per gallon on August 12, up 6.1 cents from the end of July, before falling off to 65.6 cents by the end of the month--an overall drop of 3.0 cents per gallon during

August. During the same period, No. 2 heating oil rose steadily, gaining 3.9 cents at New York Harbor to end the month at 64.0 cents per gallon.

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 climbed 26 cents (1.6 percent), to \$16.93 per barrel. The average landed cost of foreign crude oil increased 27 cents (1.5 percent), to \$18.04 per barrel. Domestic crude oil first purchase prices rose 24 cents (1.5 percent), to \$16.56 per barrel.

The average refiner acquisition cost of domestic crude oil in August was \$19.02 per barrel, an 11-cent (0.6 percent) increase from July. The average cost of imported crude oil to U.S. refiners rose 57 cents (3.1 percent), to \$18.71 per barrel.

Motor Gasoline

Total refiner sales of finished motor gasoline in August decreased 3.0 million gallons per day (0.9 percent) from July levels, to 334.0 million gallons per day. Wholesale sales fell 3.1 million gallons per day (1.1 percent) and retail sales rose 100,000 gallons per day (0.2 percent).

Average refiner prices for motor gasoline climbed 2.0 cents, to 81.0 cents per gallon at the retail level, and 3.6 cents, to 72.7 cents per gallon for wholesale. Including data reported by the sample of motor gasoline marketers, national average retail prices increased 1.8 cents, to 82.6 cents per gallon at company-operated retail outlets, and 2.6 cents, to 81.1 cents per gallon for sales to other end users. Average wholesale prices rose 3.4 cents, to 73.5 cents per gallon.

No. 2 Distillate

Total refiner sales of No. 2 distillate increased 900,000 gallons per day (0.8 percent), to 120.0 million gallons per day. No. 2 fuel oil sales fell 700,000 gallons per

day (1.5 percent), while No. 2 diesel fuel sales climbed 1.5 million gallons per day (2.0 percent).

Average retail prices increased in all categories in August. The national average residential price rose 0.5 cent, to 87.1 cents per gallon, and the average wholesale price climbed 4.1 cents, to 61.7 cents per gallon.

Residual Fuel Oil

Total refiner sales of residual fuel oil rose 1.8 million gallons per day (4.3 percent), to 43.3 million gallons per day. Low-sulfur residual fuel sales increased 300,000 gallons per day (2.2 percent), while high-sulfur sales also climbed 1.5 million gallons per day (5.4 percent).

Refiner retail prices for low-sulfur residual fuel increased 0.2 cent per gallon, while high-sulfur residual fuel dropped 0.5 cent per gallon. Residual fuel wholesale prices for sales by refiners increased 0.7 cent per gallon for low-sulfur and decreased 1.7 cents per gallon for high-sulfur. Including data reported by the sample of residual fuel oil marketers, average retail prices climbed 0.8 cent per gallon for low-sulfur and fell 0.5 cent per gallon for high-sulfur. Average wholesale prices increased 2.1 cents per gallon and decreased 0.7 cent per gallon for low-sulfur and high-sulfur, respectively.

Focus: Sales of Fuel Oil and Kerosene in 1990

The following highlights summarize the data published in the 1990 Fuel Oil and Kerosene Sales report. The report includes data on sales and adjusted sales of distillate and residual fuel oils and kerosene, by end-use and State. Also presented is an article on the effect of the 1990 Clean Air Act on diesel fuel and home heating oil.

Overview

Demand for distillate and residual fuel oil, and kerosene fell significantly in 1990 as consumers experienced a mild winter, a sluggish economy, and high prices, the latter due to the Iraqi invasion of Kuwait. Overall, temperatures were 15.9 percent warmer than the previous year which resulted in fewer distillate fuel oil purchases by consumers for heating purposes.¹ Sales of fuel oil and kerosene were further reduced due to the fear of war in the Persian Gulf, which kept prices high, coupled with economic growth of only 0.9 percent.² Fuel switching capability and conversions to natural gas also contributed to fewer sales of distillate and residual fuel oil.

A total of 67.7 billion gallons of fuel oil and kerosene were sold to consumers in 1990, a decrease of 7.1 percent from the previous year's sales volumes. Of total fuel oil sold, distillate fuel oil accounted for 70.6 percent, an increase over last year's share of 68.3 percent. Residual fuel oil's share of total fuel oil sales fell from 28.9 percent to 28.4 percent. Kerosene's share of total fuel continued its decline from 1.8 to 1.0 percent.

Distillate Fuel Oil

A total of 47.8 billion gallons of distillate fuel oil was sold in the United States in 1990. Purchases of distillate fuel oil fell 3.9 percent from 1989. One of the largest declines was in sales to residential customers, whose purchases decreased 15.9 percent from the previous year. Sales were down primarily due to warmer weather and higher prices. Not only did consumers use less fuel oil due to warmer weather, but their concern over higher prices due to war in the Persian Gulf prompted more of them to convert to natural gas. According to the American Gas Association, in 1990,

218,951 homes in the U.S. converted to natural gas, over half of these conversions were from heating oil. The residential fuel oil share of total distillate sales also declined from 17.4 percent in 1989 to 15.2 percent in 1990.

Similar to residential sales, commercial customers purchased less distillate fuel oil for heating apartments, stores, and office buildings. Here, sales fell 6.8 percent from the previous year. The commercial share of total distillate sales fell from 8.6 percent in 1989 to 8.3 percent in 1990.

The transportation sector once again accounted for the majority of distillate fuel oil sales. Although total sales of distillate fuel oil to the transportation sector decreased by 100.9 million gallons, this sector's share of total distillate sales increased 2.0 percentage points, from 53.5 percent in 1989 to 55.5 percent in 1990. Within the transportation sector, railroad and vessel bunkering distillate sales fell 4.2 and 8.6 percent, respectively. On-highway diesel sales were up slightly over 1989.

Despite higher prices and a sluggish economy, some end-use sector sales increased in 1990. Farm sales were up 1.3 percent from 1989. According to the National Agricultural Statistics Service, crop production and acreage were up 1.1 and .8 percent, respectively, over 1989. Oil company use distillate sales also increased in 1990 with the average number of rotary rigs in operation increasing 16.0 percent, 869 to 1,010 from 1989 to 1990.³ Off-highway diesel sales showed an increase of 7.0 percent as more diesel was sold to construction companies for highway improvement and building projects.

Geographically, the East Coast, Petroleum Administration for Defense (PAD) District I, used the most distillate fuel oil, 39.4 percent. PAD District I distillate fuel oil shares fell for the third straight year, down 2.6 and 1.3 percentage points from 1988 and 1989, respectively. Within PAD District I, the largest decrease in sales occurred in PAD District IB, the Mid-Atlantic States, down 11.6 percent from 1989. Sales also dropped in PAD District II, the Midwest; however, the share of distillate fuel oil in this PAD district in-

¹Energy Information Administration, *Short-Term Energy Outlook*, DOE/EIA-020(91/3Q) (Washington, D.C., August 1991), Table 2, p. 21.

²Ibid., p. 21.

³Energy Information Administration, *Monthly Energy Review*, DOE/EIA-0035(91/08) (Washington, D.C., August 1991), Table 5.1, p. 66.

creased from 28.8 percent to 29.6 percent. The share of distillate fuel oil sales for the remaining PAD districts remained approximately the same as they had in 1988 and 1989.

Residual Fuel Oil

Contrary to 1989, residual fuel oil sales decreased significantly in 1990, down 11.9 percent. Higher prices encouraged consumers to switch to natural gas. Prices of residual fuel oil in 1990 were on average 90 cents per million BTU's higher than natural gas.⁴ The most noticeable decrease in residual fuel oil sales were to electric utilities whose purchases dropped 1.0 billion gallons (10.3 percent) from the previous year

Sales to commercial and industrial end-use sectors also showed large decreases from the past year, 15.1 and 15.4 percent, respectively. Higher residual fuel oil prices once again contributed to these decreases as commercial and industrial end-users switched to natural gas for heating their buildings and operating equipment.

Shippers purchased less residual fuel oil for bunkering their vessels. Here, sales dropped 12.0 percent from 1989. The largest decrease in residual fuel oil sales to this end-use category occurred in PAD District III,

the Gulf Coast, where vessel bunkering sales decreased by 18.6 percent.

Within end-use sector sales, electric utilities dominated the residual fuel oil market with a 45.1 percent share of total residual fuel oil sales. This was an increase over 1989 when their share of total residual fuel oil sales accounted for 44.3 percent. Sales of residual fuel oil to electric utilities were concentrated in PAD District I, the East Coast, with a 83.6 share of total electric utility residual fuel oil sales (Figure HL2).

As in past years, PAD District I, the East Coast, accounted for the largest volume of residual fuel oil sales, 11.6 billion gallons. Sales on the East Coast, however, showed a significant decrease of 13.6 percent. The largest decrease in this PAD district occurred in PAD District IA, the Northeast, down 17.9 percent from 1989. Sales in the Midwest, PAD District II, also showed substantial declines with a drop of 20.8 percent from the former year.

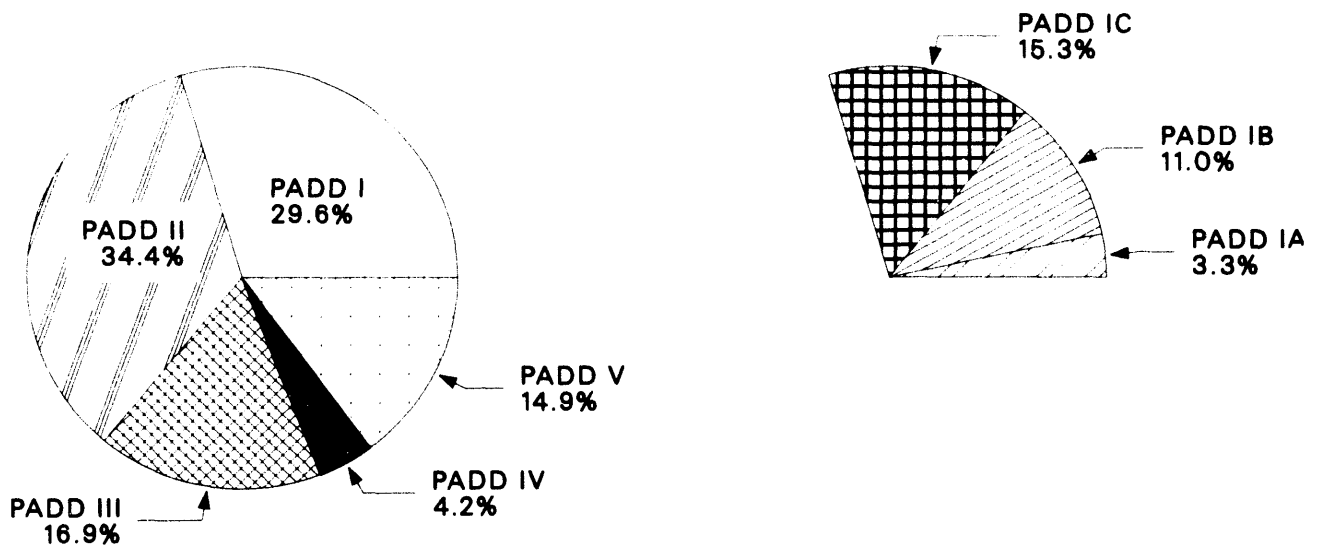
Sales in PAD District V, the West Coast, did not decrease as dramatically as those in other PAD districts. Residual fuel oil sales in PAD District V fell 2.2 percent in 1990. While other PAD districts share of residual fuel oil fell from 1989 to 1990, PAD District V displayed an increase in its share of residual fuel oil by 2.3 percentage points.

Aggregate results of the 1990 "Annual Fuel Oil and Kerosene Sales Report" survey (Form EIA-821) are presented in the *Fuel Oil and Kerosene Sales, 1990* publication (DOE/EIA-0535), released in October 1991. The publication may be obtained by contacting the National Energy Information Center (202) 586-8800. Detailed, technical questions regarding the data in the tables may be directed to Alice Lippert (202) 586-9600.

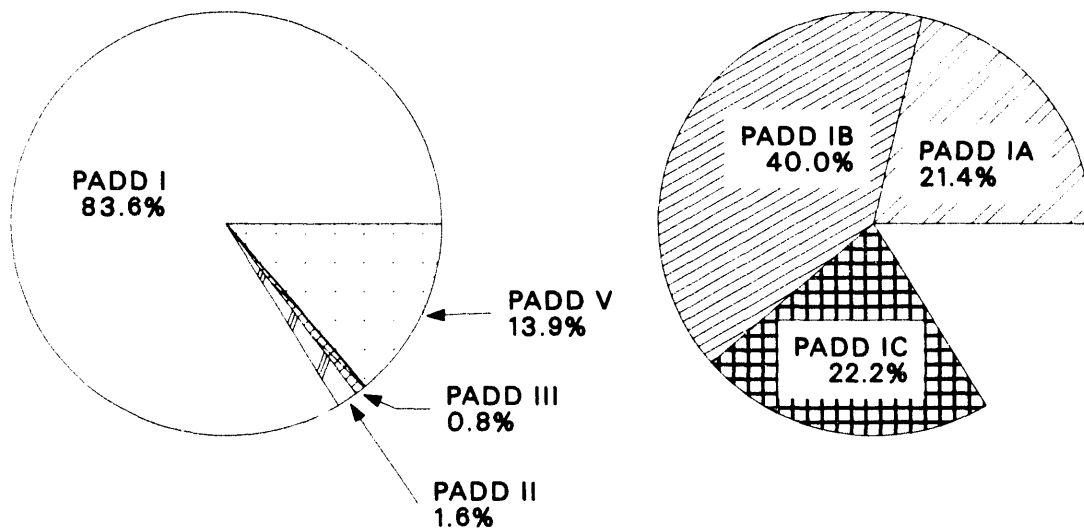
⁴Energy Information Administration, *Short-Term Energy Outlook*, DOE/EIA-020(91/3Q) (Washington, D.C., August 1991), Table 4, p. 23.

Figure HL2. Distillate and Residual Fuel Oil Sales for Largest End-Use Categories, by PAD District

Distillate: Transportation



Residual: Electric Utility



Source: Energy Information Administration, "Fuel Oil and Kerosene Sales, 1990," Tables 4 and 5.

Summary Statistics

Table 1. Crude Oil Prices
(Dollars per Barrel)

Year Month	Domestic First Purchase Prices	Average FOB ^a Cost of Crude Oil Imports ^b	Average Landed Cost of Crude Oil Imports ^b	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
1978 Average	9.00	13.29	14.35	10.61	14.57	12.46
1979 Average	12.64	20.07	21.45	14.27	21.67	17.72
1980 Average	21.59	32.37	33.67	24.23	33.89	28.07
1981 Average	31.77	35.15	36.47	34.33	37.05	35.24
1982 Average	28.52	32.02	33.18	31.22	33.55	31.87
1983 Average	26.19	27.81	28.93	28.87	29.30	28.99
1984 Average	25.88	27.60	28.54	28.53	28.88	28.63
1985 Average	24.09	25.84	26.67	26.66	26.99	26.75
1986 Average	12.51	12.52	13.49	14.82	14.00	14.55
1987 Average	15.40	16.69	17.65	17.76	18.13	17.90
1988 Average	12.58	13.25	14.08	14.74	14.56	14.67
1989						
January	13.80	14.67	15.68	15.50	16.04	15.73
February	14.24	15.49	16.41	16.11	16.61	16.32
March	15.65	16.73	17.47	17.34	17.77	17.52
April	17.04	18.23	18.97	18.91	19.59	19.22
May	16.76	17.51	18.33	19.01	19.05	19.03
June	16.42	16.80	17.61	18.56	18.27	18.43
July	16.32	16.47	17.39	18.32	17.99	18.18
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	16.25	17.10	17.93	18.20	18.29	18.24
November	16.30	17.34	18.16	18.45	18.32	18.39
December	17.01	18.80	19.54	19.16	20.05	19.54
1989 Average	15.86	16.89	17.68	17.87	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	13.61	14.93	15.07	14.89	14.98
July	14.02	16.52	17.65	15.87	16.45	16.15
August	21.85	23.83	24.64	23.00	24.26	23.57
September	28.44	28.98	29.38	30.16	29.82	30.01
October	30.87	30.75	31.47	33.32	32.98	33.18
November	27.53	27.84	28.57	30.75	30.40	30.61
December	22.63	23.24	24.12	26.46	25.84	26.21
1990 Average	20.03	20.39	21.16	22.60	21.78	22.23
1991						
January	19.58	19.94	20.89	23.25	22.41	22.90
February	16.22	16.31	17.26	19.53	18.30	19.02
March	15.08	15.88	17.16	18.12	17.59	17.89
April	16.14	16.64	17.81	18.56	18.27	18.43
May	16.41	16.42	17.82	18.98	18.14	18.60
June	15.55	15.84	17.17	18.16	17.78	17.98
July	16.32	16.67	17.77	18.91	18.14	18.57
August	16.56	16.93	18.04	19.02	18.71	18.88

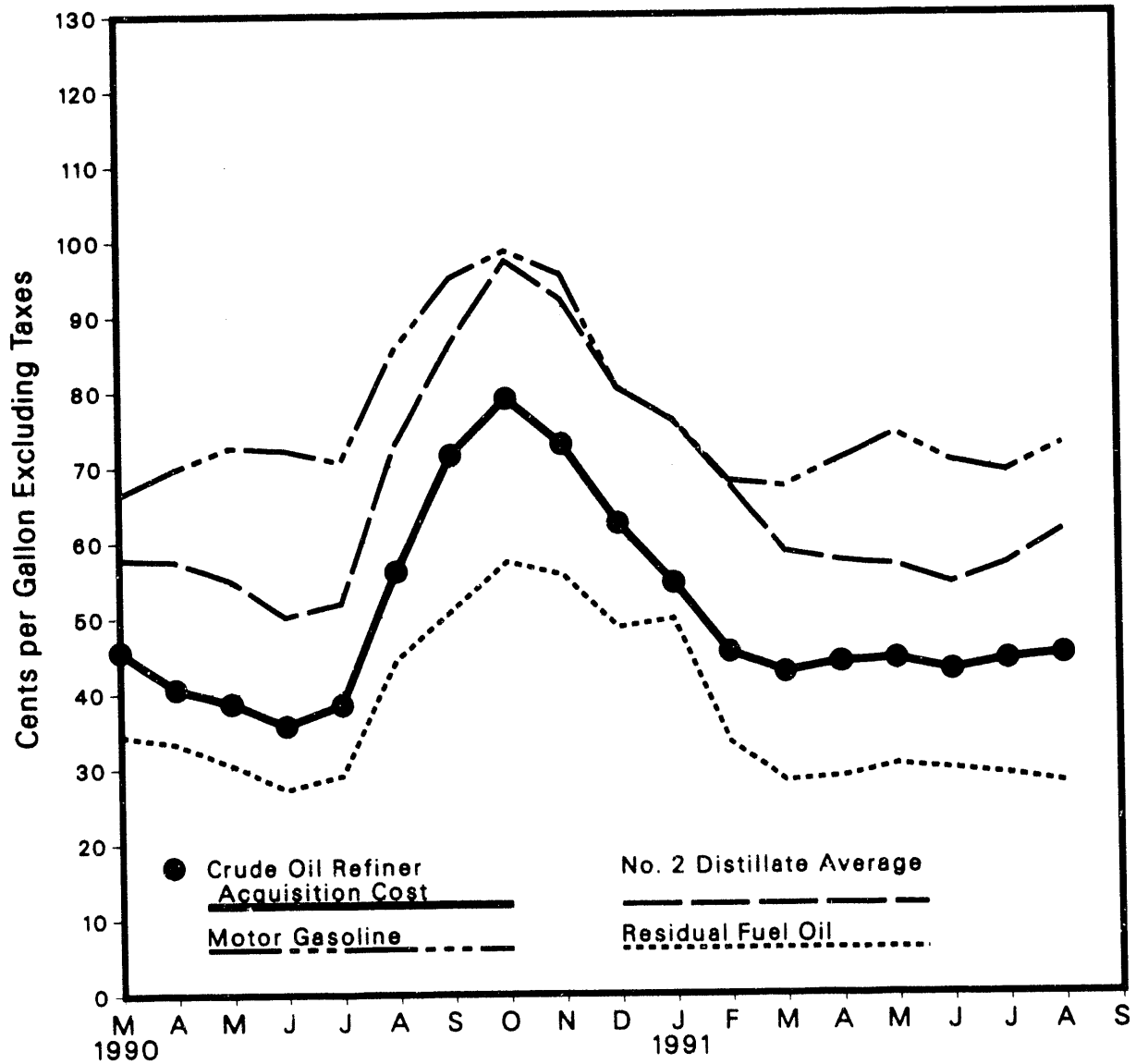
^a FOB = Free on Board. See Glossary.

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

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

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

Figure 1. Comparison of Crude Oil Prices to 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)

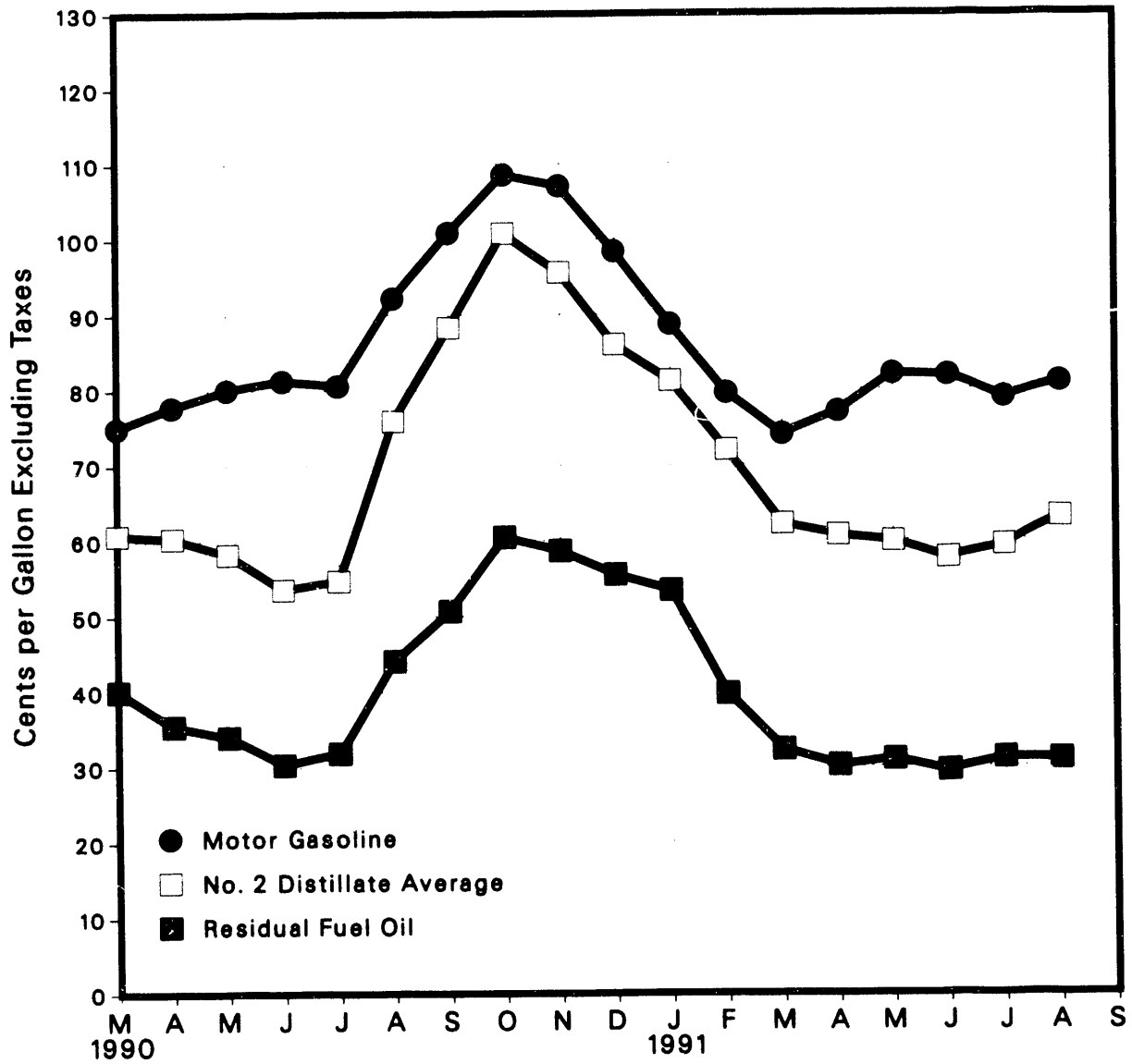
Year Month							No. 2 Distillate			No. 4 Fuel ^a	Residual Fuel Oil
	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Fuel Oil	No. 2 Diesel Fuel	Average		
1978 Average	48.4	51.6	38.7	33.5	42.1	40.9	40.0	37.7	39.6	31.1	29.8
1979 Average	71.3	68.9	54.7	35.7	58.5	57.2	51.6	58.5	55.1	47.9	43.6
1980 Average	103.5	108.4	86.8	48.2	90.2	83.4	78.8	81.8	80.4	68.2	60.7
1981 Average	114.7	130.3	102.4	56.5	112.3	103.9	91.4	99.5	95.8	79.7	75.6
1982 Average	106.0	131.2	96.3	59.2	108.9	102.3	90.5	94.2	92.5	75.0	67.6
1983 Average	95.4	125.5	87.8	70.9	96.1	96.2	91.6	82.6	83.9	76.6	65.1
1984 Average	90.7	123.4	84.2	73.7	103.6	92.7	91.6	82.3	83.7	79.6	68.7
1985 Average	91.2	120.1	79.6	71.7	103.0	88.0	84.9	78.9	79.9	77.3	61.0
1986 Average	62.4	101.1	52.9	74.5	79.0	62.0	56.0	47.8	49.1	48.9	34.3
1987 Average	66.9	90.7	54.3	70.1	77.0	60.4	58.1	55.1	55.6	51.3	42.3
1988 Average	67.3	89.1	51.3	71.4	73.8	56.4	54.4	50.0	50.7	46.1	33.4
1989											
January	65.6	89.2	56.2	65.6	71.4	60.5	56.7	53.5	54.1	48.9	35.4
February	66.1	89.7	57.0	66.8	72.2	59.1	55.6	54.3	54.5	48.3	34.3
March	68.4	90.6	57.9	63.8	67.6	61.8	57.1	57.0	57.0	49.1	36.1
April	81.7	99.1	60.6	55.9	66.2	67.6	59.2	61.0	60.8	53.0	40.3
May	85.5	107.0	58.1	55.4	59.7	63.8	54.8	57.1	56.9	50.3	40.5
June	84.5	107.1	56.2	49.0	53.9	60.1	50.0	53.4	52.9	46.4	39.1
July	82.0	105.5	54.7	54.9	55.3	58.5	51.9	53.1	52.9	46.1	38.5
August	76.6	101.9	55.1	57.4	53.0	58.7	52.7	53.7	53.6	46.2	36.8
September	74.9	100.7	58.9	59.0	66.8	67.1	57.3	59.5	59.1	50.0	36.5
October	74.7	100.4	63.8	59.9	73.6	70.4	61.7	63.7	63.5	53.6	38.8
November	72.7	98.6	64.4	58.4	77.7	71.8	62.6	64.5	64.2	53.8	39.3
December	72.1	97.3	68.1	74.4	90.0	79.3	76.0	71.3	72.3	64.3	45.7
1989 Average	75.6	99.5	59.2	61.5	70.9	66.1	58.7	58.5	58.5	51.2	38.5
1990											
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	64.7	87.4	82.5	74.1	76.1	75.9	65.4	44.1
September	100.9	125.4	91.2	72.5	101.8	94.4	87.3	88.4	88.3	73.1	50.7
October	108.6	134.4	115.8	77.1	118.7	107.6	99.5	101.0	100.8	87.0	60.5
November	107.1	131.7	108.8	84.6	116.7	104.3	93.5	96.0	95.6	84.4	58.7
December	98.4	122.5	92.2	85.3	112.1	95.7	86.9	85.8	86.0	81.3	55.5
1990 Average	88.2	111.9	76.7	74.7	90.2	82.5	73.2	72.5	72.6	62.2	44.4
1991											
January	88.7	112.1	81.6	86.6	105.0	89.0	84.5	80.4	81.2	75.4	53.4
February	79.6	106.4	73.7	81.3	93.5	77.8	75.3	71.3	72.0	60.2	39.7
March	74.1	101.3	62.1	76.0	88.8	68.4	64.8	61.7	62.2	54.8	32.3
April	77.1	101.1	58.7	69.8	73.8	67.6	61.6	60.6	60.7	54.1	30.2
May	82.1	105.3	60.1	66.0	69.3	65.5	58.9	60.1	59.9	51.5	31.0
June	81.9	105.2	59.3	62.1	62.3	62.8	56.3	57.9	57.7	49.5	29.5
July	79.0	103.6	59.7	60.6	64.7	64.7	59.1	59.5	59.4	50.0	31.2
August	81.0	105.8	63.8	63.4	68.7	68.1	62.3	63.2	63.1	53.6	31.0

^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)

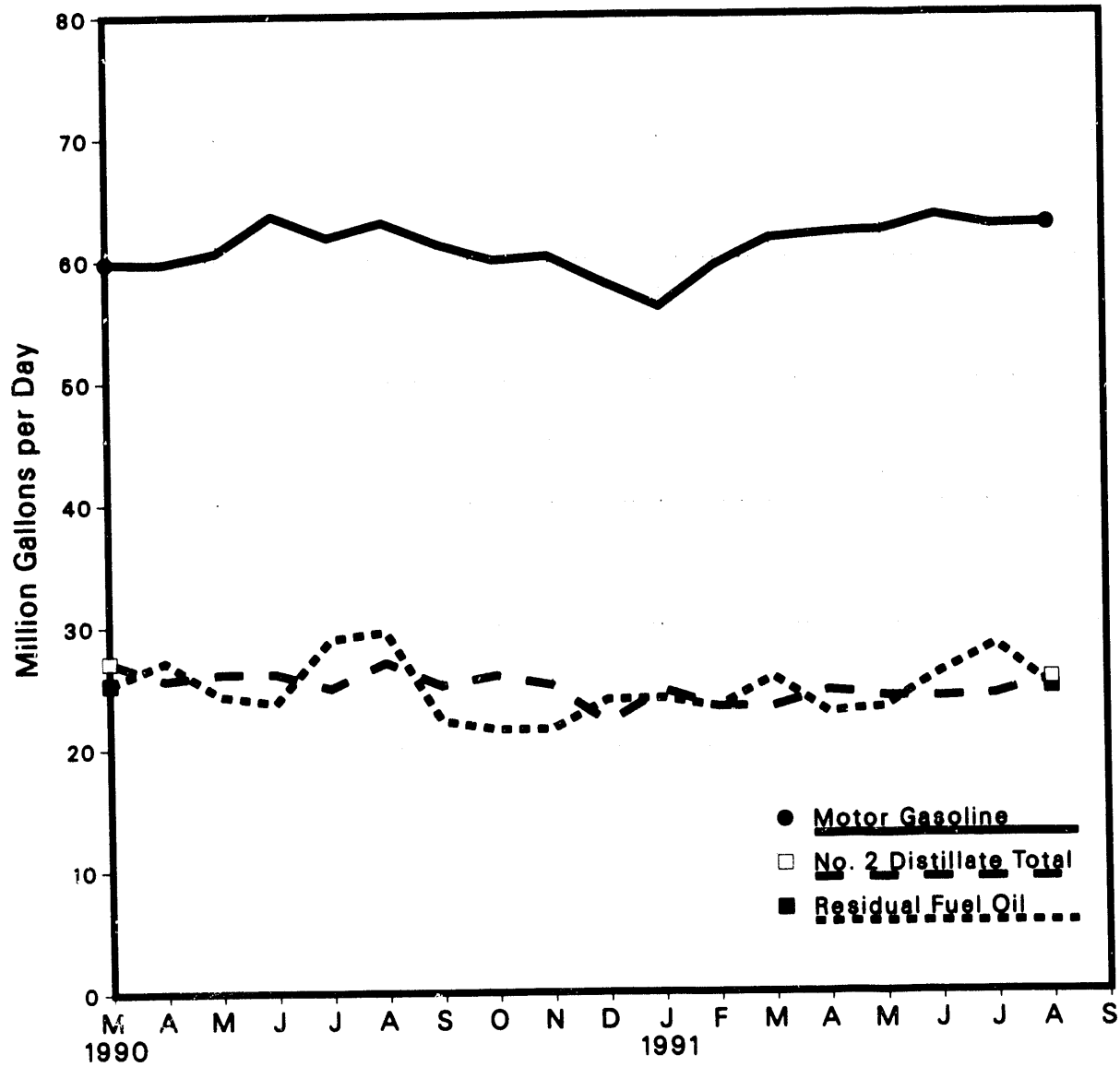
Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Total		
1983 Average	51.1	0.4	30.8	3.1	0.2	0.5	3.7	23.3	27.0	0.7	28.3
1984 Average	57.6	.3	32.9	3.3	.3	.5	4.9	26.3	31.2	.7	32.9
1985 Average	57.5	.3	34.6	3.7	.3	.5	5.0	25.0	29.9	.5	25.2
1986 Average	61.4	.3	34.6	3.6	.3	.4	4.3	24.5	28.8	.6	31.7
1987 Average	61.0	.2	36.8	3.8	.3	.4	4.5	24.1	28.5	.8	29.0
1988 Average	61.0	.2	38.2	4.3	.3	.4	4.6	24.5	29.1	1.1	30.2
1989											
January	55.6	.2	39.8	3.7	.5	.8	5.6	23.5	29.1	1.2	35.9
February	58.5	.2	40.1	4.0	.4	1.1	5.1	24.1	29.2	1.2	33.5
March	60.5	.2	38.3	3.1	.4	.5	5.1	25.9	31.0	1.1	35.3
April	60.2	.2	38.8	2.8	.2	.2	3.3	24.7	28.0	.7	32.9
May	62.1	.2	38.8	2.2	.2	.2	3.3	24.4	27.7	.7	28.7
June	63.5	.2	40.5	2.2	.4	.2	4.8	25.4	30.2	.8	30.0
July	62.3	.2	41.6	1.7	.2	.2	3.7	23.2	26.9	1.0	31.3
August	63.4	.2	41.3	1.9	.1	.2	4.1	25.2	29.3	.8	28.1
September	61.9	.2	41.9	2.2	.2	.2	4.1	23.8	27.8	.6	23.7
October	62.0	.2	41.4	2.9	.2	.3	3.6	24.8	28.4	.8	23.7
November	61.3	.2	40.7	3.4	.3	.5	4.9	23.8	28.6	.9	28.0
December	63.2	.2	38.1	4.0	.7	1.0	6.3	22.7	29.0	1.3	33.8
1989 Average	61.2	.2	40.1	2.8	.3	.5	4.5	24.3	28.8	.9	30.4
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	2.4	.1	.4	3.7	23.4	27.0	.8	29.5
September	61.2	.2	43.4	2.3	.2	.3	3.5	21.6	25.1	.5	22.2
October	59.9	.2	42.8	2.9	.2	.5	3.4	22.4	25.9	.4	21.5
November	60.2	.2	40.5	2.9	.2	.6	3.8	21.2	25.1	.8	21.5
December	58.0	.2	39.0	3.3	.3	1.0	3.8	18.3	22.0	.8	23.9
1990 Average	60.3	.2	41.4	2.7	.2	.5	3.8	22.1	25.9	.8	26.0
1991											
January	56.0	.2	39.3	4.9	.4	1.2	4.4	20.1	24.7	1.2	24.0
February	59.4	.2	35.1	3.8	.4	.8	3.8	19.6	23.3	1.0	23.3
March	61.6	.2	35.6	3.1	.2	.5	3.6	19.8	23.3	.8	25.7
April	62.0	.2	38.3	2.6	.2	.3	3.4	21.2	24.6	.7	22.8
May	62.2	.2	39.5	2.1	.1	.2	2.8	21.3	24.1	.4	23.2
June	63.4	.2	38.6	1.9	.2	.2	2.9	21.0	24.0	.5	26.0
July	62.6	.3	39.8	2.2	.2	.3	2.9	21.3	24.2	.6	28.3
August	62.7	.2	41.2	2.3	.3	.3	2.7	22.7	25.5	.5	24.8

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

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

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

Figure 3. 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)

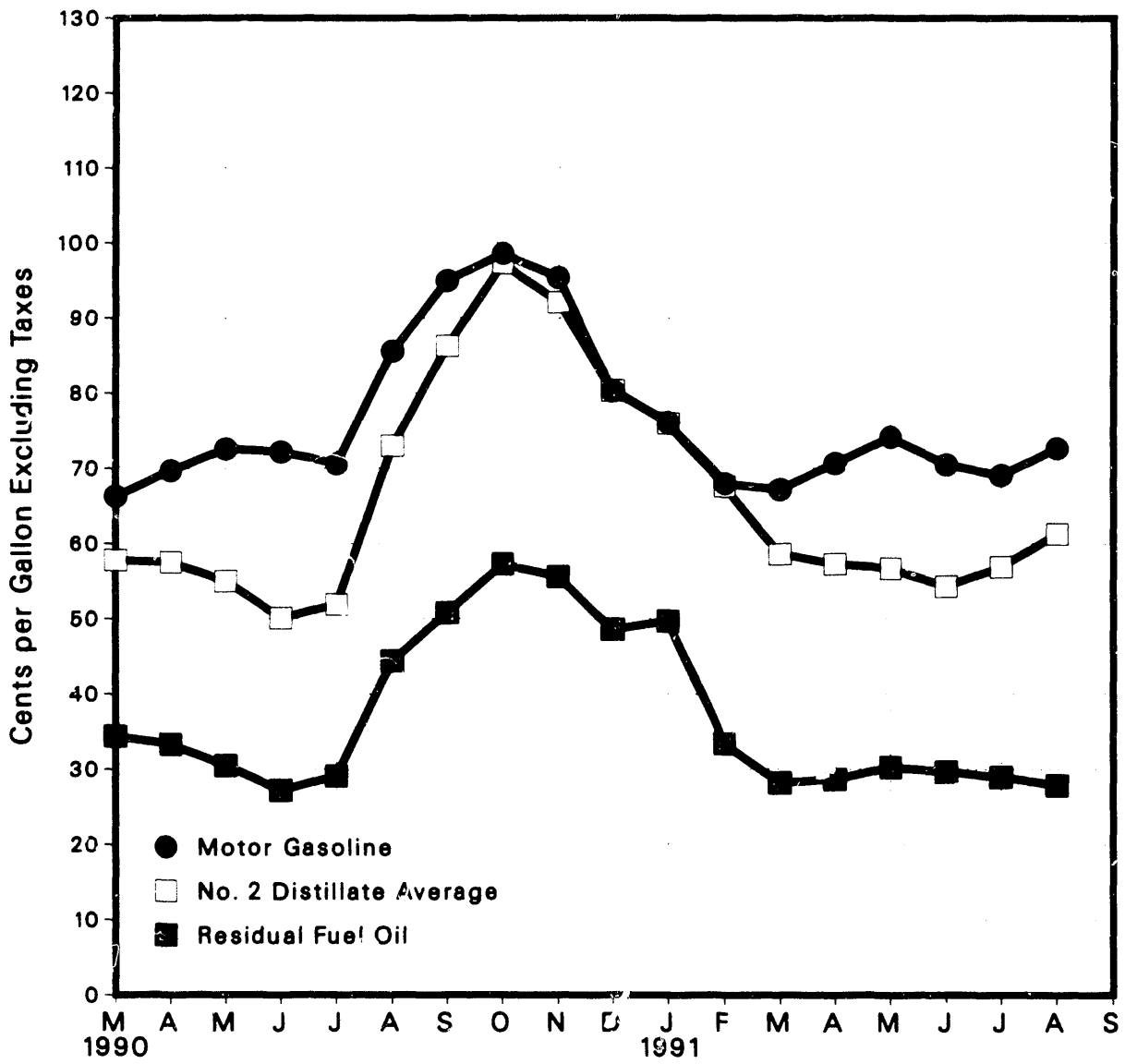
Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Average		
1978 Average	43.4	53.7	38.6	23.7	40.4	40.6	36.9	36.5	36.7	30.5	26.3
1979 Average	63.7	72.1	66.0	29.1	62.4	58.3	56.9	57.4	57.1	47.0	39.9
1980 Average	94.1	112.8	86.8	41.5	86.4	88.0	80.3	80.1	80.2	67.0	52.8
1981 Average	106.4	125.0	101.2	46.6	106.6	107.1	97.6	97.2	97.4	78.3	66.3
1982 Average	97.3	122.8	95.3	42.7	101.8	103.8	91.4	91.4	91.4	73.7	61.2
1983 Average	88.2	117.8	85.4	48.4	89.2	89.6	81.5	80.8	81.2	72.6	60.9
1984 Average	83.2	116.5	83.0	45.0	91.6	89.2	82.1	80.3	81.3	70.7	65.4
1985 Average	83.5	113.0	79.4	39.8	87.4	86.3	77.6	77.2	77.4	67.2	57.7
1986 Average	53.1	91.2	49.5	29.0	60.6	57.9	48.6	45.2	47.0	40.9	30.5
1987 Average	58.9	85.9	53.8	25.2	59.2	59.9	52.7	53.4	53.1	46.2	38.5
1988 Average	57.7	85.0	49.5	24.0	54.9	54.9	47.3	47.3	47.3	42.5	30.0
1989											
January	56.3	84.8	56.2	24.0	63.1	59.7	53.2	51.1	52.3	45.7	32.8
February	57.4	86.0	55.4	22.7	59.5	58.2	51.1	52.8	51.9	43.5	33.2
March	61.2	86.6	56.5	22.5	61.3	61.8	54.4	56.0	55.2	44.0	32.1
April	74.0	94.2	59.5	22.7	60.3	66.9	56.5	59.5	58.1	56.0	38.1
May	76.3	101.8	56.6	22.1	55.9	62.0	52.6	54.0	53.4	43.9	37.6
June	73.8	101.3	54.4	21.4	53.8	57.9	49.6	50.8	50.3	46.7	35.5
July	69.0	100.9	53.5	20.7	57.0	58.5	50.4	50.5	50.5	44.1	35.7
August	62.7	97.7	54.5	21.7	59.9	60.9	51.2	52.4	51.9	41.6	34.4
September	65.7	96.2	58.6	23.1	63.6	66.8	56.4	58.5	57.6	49.1	35.1
October	64.2	93.3	63.2	24.4	67.5	69.9	60.1	62.2	61.3	51.1	36.9
November	61.4	92.5	63.4	24.3	68.5	70.9	60.4	62.0	61.2	50.3	36.6
December	61.6	92.8	67.3	36.4	81.7	78.2	72.8	68.4	70.8	58.1	42.1
1989 Average	65.4	95.0	58.3	24.7	66.9	66.8	56.5	56.7	56.6	48.0	36.0
1990											
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	110.4	71.3	36.3	80.7	82.5	72.1	73.7	73.0	63.3	44.4
September	95.0	122.3	93.2	43.6	100.4	96.9	85.2	87.3	86.3	62.5	50.8
October	98.6	127.9	114.4	53.5	115.6	112.0	95.0	99.4	97.3	74.9	57.3
November	95.4	126.2	107.0	50.5	106.5	107.1	90.7	93.6	92.1	79.6	55.6
December	80.3	116.1	90.1	44.7	92.6	89.4	80.9	79.8	80.4	72.1	48.6
1990 Average	78.6	106.3	77.3	38.7	83.9	84.5	69.7	69.4	69.6	58.5	41.2
1991											
January	76.1	110.8	82.2	42.2	87.9	85.7	76.3	75.5	76.0	71.6	49.7
February	68.0	104.1	73.8	31.6	75.7	74.7	67.8	67.4	67.6	60.1	33.4
March	67.2	97.4	62.2	31.3	66.0	66.0	59.6	57.7	58.6	52.9	26.2
April	70.7	97.8	58.8	31.6	62.8	65.4	57.2	57.4	57.3	50.3	28.7
May	74.2	100.3	60.8	32.0	60.7	63.3	56.0	57.2	56.7	47.1	30.3
June	70.5	99.5	58.8	29.3	58.8	58.9	54.0	54.5	54.3	45.3	29.7
July	69.1	98.9	59.4	27.6	63.0	62.4	56.7	57.1	56.9	46.8	29.0
August	72.7	100.2	63.3	29.6	66.9	67.8	60.6	61.6	61.3	37.5	27.9

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

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

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)

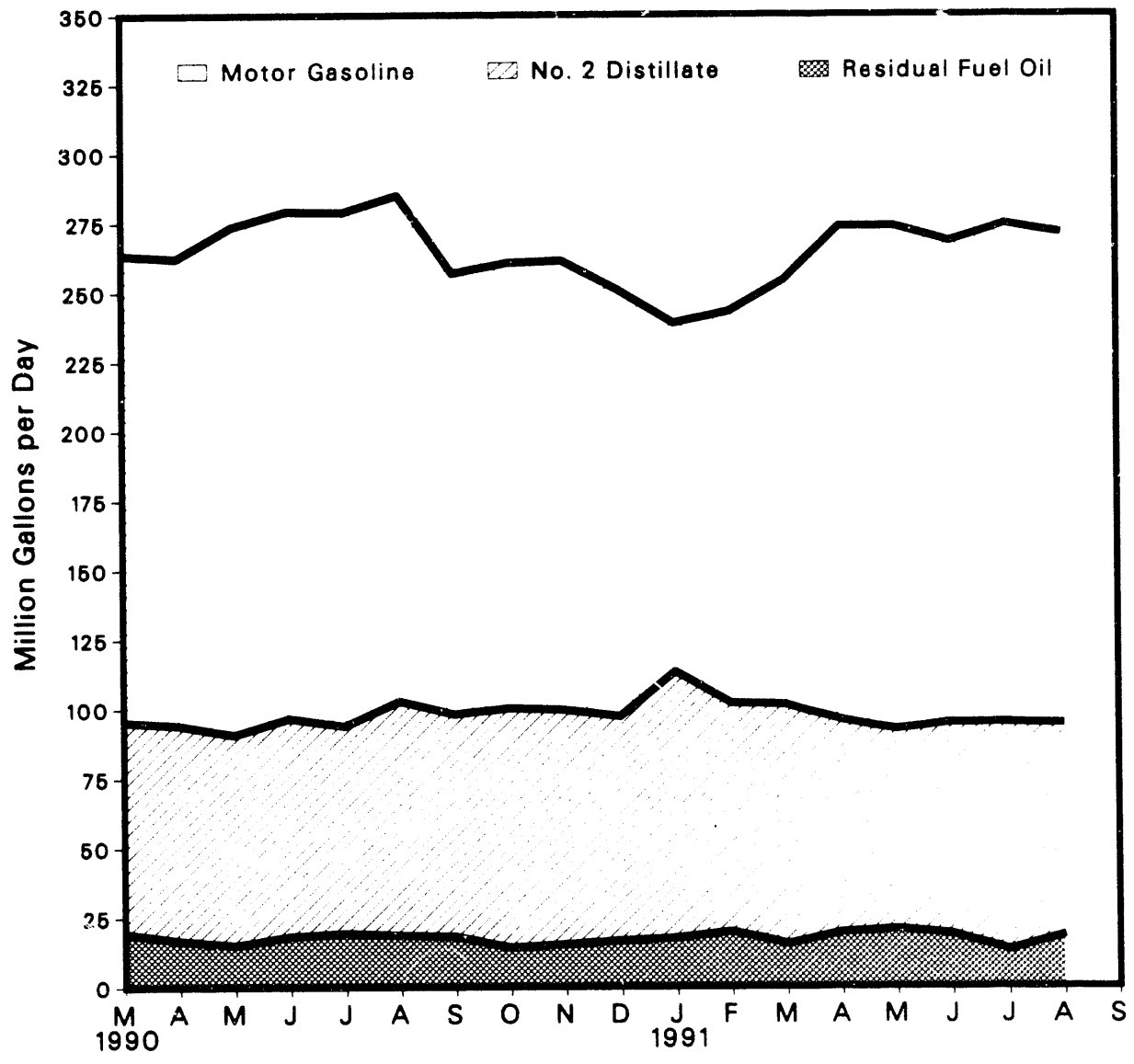
Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate		Total	No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel			
1983 Average	242.5	0.7	5.4	26.0	2.5	2.4	47.3	38.1	85.5	0.9	20.2
1984 Average	246.3	.8	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	46.6	101.1	1.2	18.7
1987 Average	257.2	.8	10.1	27.0	2.3	2.0	49.3	44.3	93.6	1.5	16.9
1988 Average	263.7	.7	10.0	27.7	2.7	2.6	50.1	47.8	97.9	1.2	18.9
1989											
January	241.3	5	8.9	31.1	4.8	4.9	59.3	45.7	104.9	1.6	22.8
February	246.1	5	8.4	33.8	5.2	6.0	54.6	47.0	101.6	1.5	22.1
March	267.8	7	8.1	28.4	2.9	2.5	55.2	49.8	105.0	1.5	23.0
April	253.3	8	7.3	19.8	1.3	.8	42.3	47.9	90.2	.8	19.0
May	262.1	7	8.0	18.3	.8	.6	36.9	49.4	86.3	1.3	21.0
June	276.0	9	8.8	17.7	.6	.6	36.8	53.3	90.1	.7	17.7
July	262.7	9	8.7	18.1	.6	.5	33.4	49.5	82.9	.5	20.0
August	274.4	9	9.1	23.2	.9	.8	41.8	54.9	96.8	1.4	17.2
September	261.4	8	8.8	23.7	2.0	1.5	41.9	51.1	93.0	.7	17.8
October	259.7	7	8.9	28.1	2.8	2.5	43.6	53.8	97.4	1.1	22.0
November	259.8	6	9.2	28.0	3.2	4.4	49.4	52.2	101.6	1.5	22.2
December	262.4	5	9.0	40.7	7.3	7.4	65.6	53.9	119.5	1.9	27.4
1989 Average	260.7	.7	8.6	25.9	2.7	2.7	46.7	50.7	97.5	1.2	21.0
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	285.0	1.0	8.2	26.7	1.7	1.2	44.8	58.0	102.8	.7	18.6
September	256.9	.7	8.6	25.5	2.1	1.9	45.2	52.9	98.1	1.3	18.2
October	260.6	6	9.7	27.3	2.1	2.4	46.5	53.7	100.2	.3	14.2
November	261.3	6	10.7	27.2	2.6	3.5	49.9	49.6	99.6	.5	15.3
December	250.7	4	8.3	31.7	3.9	5.7	51.8	45.5	97.2	.8	16.6
1990 Average	263.4	.7	8.7	25.5	2.2	2.3	45.9	51.6	97.4	.8	17.9
1991											
January	238.8	5	8.8	33.6	4.5	5.8	63.4	49.8	113.3	.9	17.6
February	242.9	5	9.7	30.9	3.4	3.2	54.9	47.1	102.0	.7	19.9
March	254.3	6	8.2	24.8	2.1	1.7	49.3	52.1	101.4	.6	15.4
April	273.6	7	8.6	22.1	1.0	.9	43.8	52.1	95.9	.5	19.6
May	273.7	8	7.5	19.1	.7	.7	40.4	52.2	92.5	.2	20.7
June	268.2	9	9.3	19.8	.8	.8	41.7	53.2	94.9	.2	19.0
July	274.4	9	9.8	23.6	.7	.8	42.7	52.2	94.9	.2	13.2
August	271.3	9	9.2	23.2	1.0	1.0	42.2	52.4	94.6	.4	18.5

* 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.

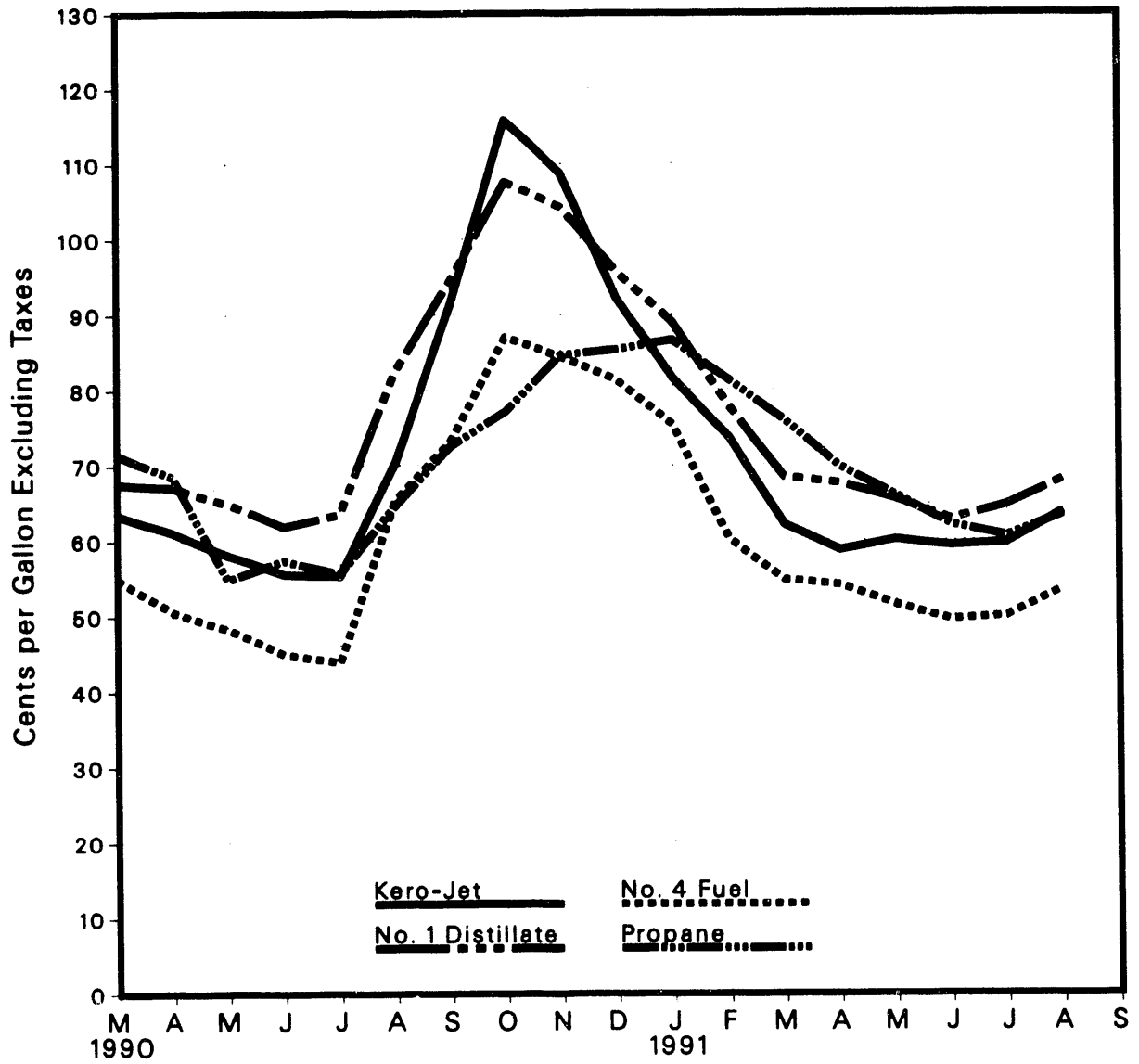
Source: Energy Information Administration, Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 5. Refiner Wholesale Product Volumes



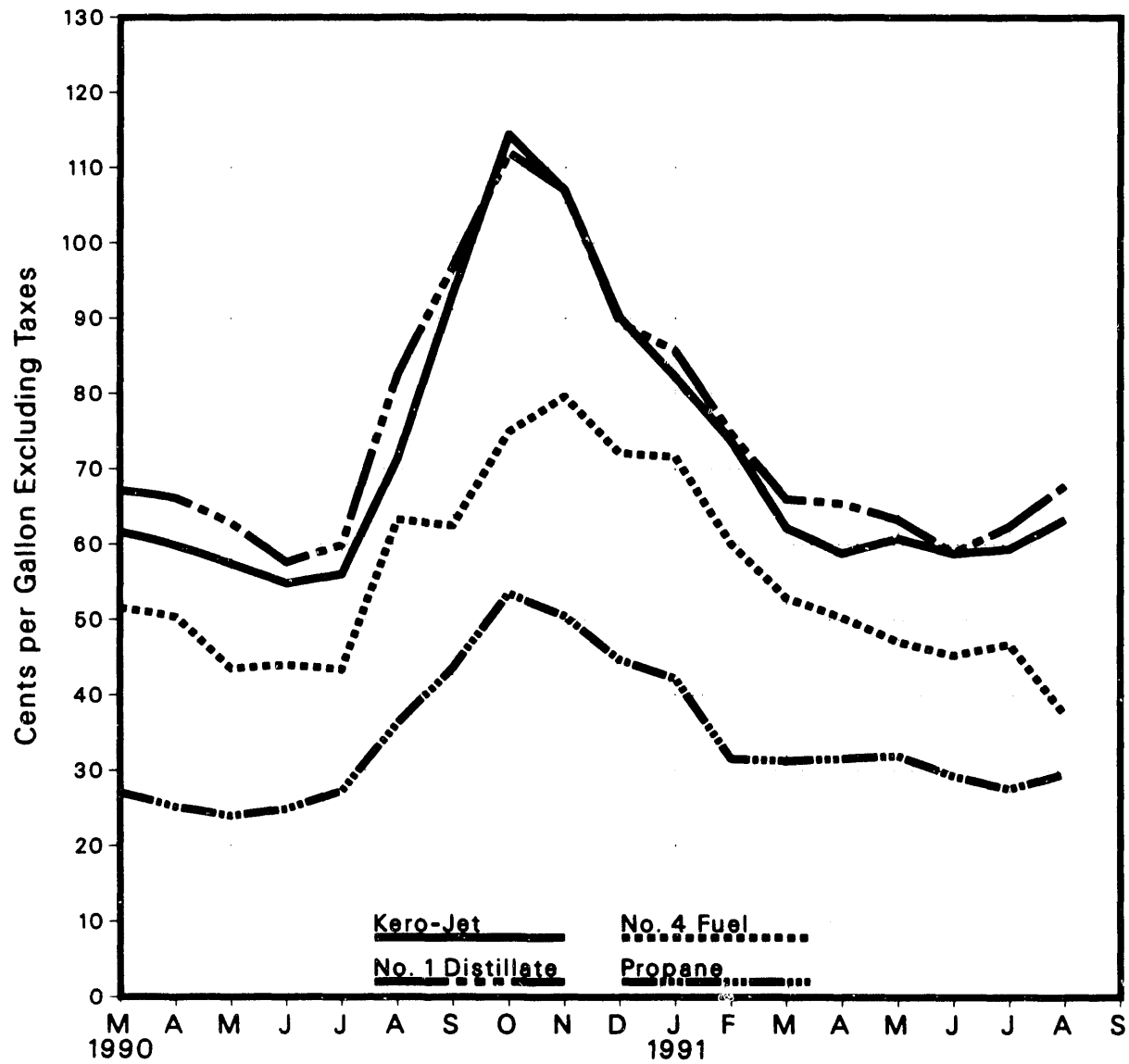
Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 5.

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. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990
Motor Gasoline	81.6	79.5	92.2	79.4	77.4	92.3	81.0	79.0	92.2
Leaded Regular	68.4	66.3	87.8	72.9	71.3	91.0	70.3	68.5	89.3
Unleaded Regular	77.6	75.3	88.2	77.2	75.1	90.1	77.4	75.3	88.7
Unleaded Midgrade	86.3	84.3	95.6	85.8	83.9	95.7	86.2	84.3	95.6
Premium	92.4	90.4	103.6	90.7	88.8	103.8	92.1	90.1	103.7
Aviation Gasoline	106.4	104.9	112.8	W	W	W	105.8	103.6	112.6
Kerosene-Type Jet Fuel	63.7	59.6	70.3	64.8	60.6	69.8	63.8	59.7	70.3
Propane (Consumer Grade)	39.9	35.6	44.1	71.6	71.8	73.5	63.4	60.6	64.7
Kerosene	69.5	66.9	91.6	68.0	58.6	78.1	68.7	64.7	87.4
No. 1 Distillate	66.6	62.2	80.4	70.4	67.8	84.9	68.1	64.7	82.5
No. 2 Distillate	62.9	59.1	75.5	64.2	61.0	77.6	63.1	59.4	75.9
No. 2 Fuel Oil	61.8	58.9	73.5	64.5	59.6	76.3	62.3	59.1	74.1
No. 2 Diesel Fuel	63.0	59.1	75.8	64.2	61.3	77.8	63.2	59.5	76.1
No. 4 Fuel^a	53.5	51.2	66.4	54.0	46.5	60.3	53.6	50.0	65.4
Residual Fuel Oil	30.3	29.9	40.7	32.0	33.2	48.7	31.0	31.2	44.1
Sulfur Content not > 1 %	38.0	37.6	50.4	35.5	35.7	50.8	36.6	36.4	50.7
Sulfur Content > 1 %	27.4	27.6	37.8	28.3	29.8	44.5	27.7	28.2	39.5

^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. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990
Motor Gasoline	73.5	69.9	86.1	69.6	66.0	84.0	72.7	69.1	85.6
Leaded Regular	66.1	61.9	84.4	69.9	65.4	86.6	67.1	62.9	85.1
Unleaded Regular	70.4	66.7	82.9	68.6	65.1	82.5	69.9	66.3	82.8
Unleaded Midgrade	76.5	72.9	87.2	72.7	69.2	87.6	76.1	72.6	87.2
Premium	82.6	79.3	95.1	76.3	72.1	93.2	81.9	78.5	94.9
Aviation Gasoline	101.0	100.0	110.8	91.5	89.4	103.2	100.2	98.9	110.4
Kerosene-Type Jet Fuel	64.1	59.9	72.1	62.1	58.5	70.5	63.3	59.4	71.3
Propane (Consumer Grade)	30.2	28.0	36.4	28.9	27.1	36.1	29.6	27.6	36.3
Kerosene	68.6	65.1	81.9	64.5	60.9	79.0	66.9	63.0	80.7
No. 1 Distillate	68.4	63.0	81.6	67.5	62.0	83.4	67.8	62.4	82.5
No. 2 Distillate	61.4	57.3	73.4	61.0	56.4	72.3	61.3	56.9	73.0
No. 2 Fuel Oil	60.5	57.1	72.1	60.9	56.1	72.2	60.6	56.7	72.1
No. 2 Diesel Fuel	62.4	57.4	74.5	61.0	56.6	72.4	61.8	57.1	73.7
No. 4 Fuel^a	W	W	W	49.0	45.8	69.9	37.5	46.8	63.3
Residual Fuel Oil	27.0	28.8	43.6	28.5	29.1	44.9	27.9	29.0	44.4
Sulfur Content not > 1 %	36.1	33.7	53.4	32.0	31.8	47.5	33.3	32.6	49.5
Sulfur Content > 1 %	24.6	27.5	39.3	27.0	27.7	42.8	25.9	27.6	41.1

^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. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990
Motor Gasoline	46,579	46,146	47,679	16,115	16,461	15,328	62,694	62,608	63,007
Leaded Regular	1,049	1,019	1,259	788	789	1,013	1,838	1,809	2,272
Unleaded Regular	29,253	28,795	30,493	11,945	12,159	11,262	41,198	40,955	41,756
Unleaded Midgrade	7,117	7,072	6,800	1,279	1,353	1,084	8,396	8,425	7,883
Premium	9,159	9,259	9,127	2,104	2,160	1,969	11,262	11,420	11,095
Aviation Gasoline	W	W	W	W	W	W	232	256	262
Kerosene-Type Jet Fuel	36,846	35,005	39,194	4,377	4,777	4,286	41,223	39,783	43,480
Propane (Consumer Grade)	595	690	704	1,716	1,537	1,659	2,312	2,228	2,362
Kerosene	152	137	85	161	49	39	312	186	124
No. 1 Distillate	165	154	196	112	119	172	278	273	368
No. 2 Distillate	20,740	19,646	22,484	4,727	4,554	4,521	25,467	24,200	27,006
No. 2 Fuel Oil	2,221	2,090	2,881	499	790	772	2,719	2,880	3,653
No. 2 Diesel Fuel	18,519	17,556	19,603	4,228	3,763	3,749	22,747	21,319	23,352
No. 4 Fuel*	399	457	658	83	150	132	483	607	790
Residual Fuel Oil	14,495	17,358	17,034	10,293	10,896	12,473	24,788	28,254	29,507
Sulfur Content not > 1 %	4,026	3,922	3,955	5,279	6,302	8,242	9,305	10,224	12,197
Sulfur Content > 1 %	10,469	13,436	13,079	5,014	4,594	4,231	15,483	18,030	17,310

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

Product	Major Refiners			Other Refiners			Total		
	Aug. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990	Aug. 1991	July 1991	Aug. 1990
Motor Gasoline	213,034	216,871	224,584	58,266	57,533	60,465	271,300	274,404	285,049
Leaded Regular	6,947	7,115	9,657	2,659	2,682	4,820	9,606	9,798	14,478
Unleaded Regular	137,276	140,988	142,098	47,730	46,946	48,125	185,006	187,934	190,223
Unleaded Midgrade	23,290	23,306	24,064	2,204	2,005	1,792	25,494	25,311	25,856
Premium	45,520	45,462	48,763	5,674	5,899	5,728	51,194	51,361	54,492
Aviation Gasoline	840	820	910	80	96	42	919	916	952
Kerosene-Type Jet Fuel	5,273	6,417	4,191	3,960	3,389	3,963	9,232	9,805	8,153
Propane (Consumer Grade)	12,625	12,842	14,825	10,559	10,745	11,854	23,185	23,587	26,680
Kerosene	599	378	1,001	425	357	658	1,024	735	1,659
No. 1 Distillate	389	334	641	617	430	594	1,005	764	1,235
No. 2 Distillate	60,285	58,601	64,910	34,294	36,345	37,886	94,580	94,946	102,796
No. 2 Fuel Oil	28,966	26,208	28,663	13,222	16,492	16,089	42,187	42,700	44,751
No. 2 Diesel Fuel	31,319	32,394	36,248	21,073	19,853	21,797	52,392	52,246	58,045
No. 4 Fuel*	W	W	W	W	W	W	404	205	686
Residual Fuel Oil	7,596	6,808	8,122	10,881	6,429	10,465	18,477	13,237	18,587
Sulfur Content not > 1 %	1,544	1,446	2,482	3,256	2,120	4,747	4,800	3,566	7,229
Sulfur Content > 1 %	6,052	5,362	5,640	7,626	4,310	5,717	13,677	9,672	11,357

* 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

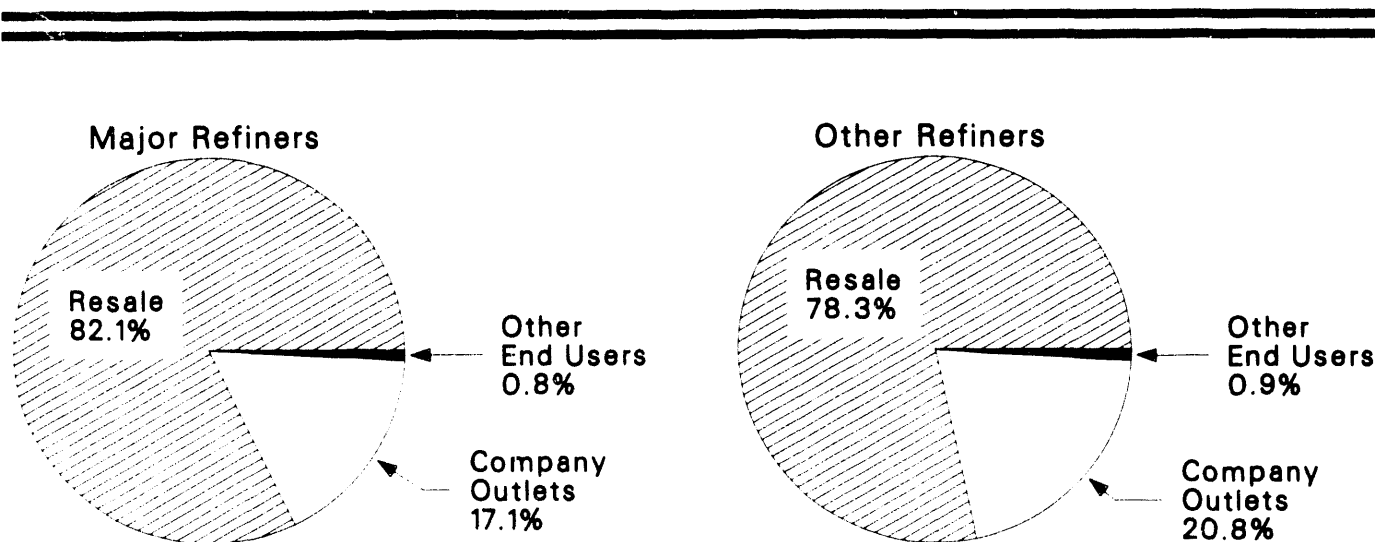
Sales Type Month	Major Refiners			Other Refiners			Total		
	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)
All Sales									
August 1991	75.0	8,048	100.0	71.7	2,306	100.0	74.2	10,354	100.0
July 1991	71.6	8,154	100.0	68.5	2,294	100.0	70.9	10,447	100.0
August 1990	87.1	8,440	100.0	85.7	2,350	100.0	86.8	10,790	100.0
Sales to End Users									
August 1991	81.6	1,444	17.9	79.4	500	21.7	81.0	1,944	18.8
July 1991	79.5	1,431	17.5	77.4	510	22.2	79.0	1,941	18.6
August 1990	92.2	1,478	17.5	92.3	475	20.2	92.2	1,953	18.1
Through Company Outlets									
August 1991	82.0	1,378	17.1	79.6	479	20.8	81.4	1,857	17.9
July 1991	80.0	1,368	16.8	77.8	486	21.2	79.4	1,854	17.7
August 1990	92.6	1,398	16.6	92.8	449	19.1	92.7	1,847	17.1
Other End Users									
August 1991	73.4	66	.8	74.4	21	.9	73.6	87	.8
July 1991	69.9	62	.8	70.7	24	1.0	70.1	86	.8
August 1990	85.0	80	.9	84.1	26	1.1	84.8	106	1.0
Sales for Resale									
August 1991	73.5	6,604	82.1	69.6	1,806	78.3	72.7	8,410	81.2
July 1991	69.9	6,723	82.5	66.0	1,784	77.8	69.1	8,507	81.4
August 1990	86.1	6,962	82.5	84.0	1,874	79.8	85.6	8,837	81.9

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

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

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

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



Source: Energy Information Administration, "Petroleum Marketing Monthly," Table 10, providing August 1991 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	91.6
1985 Average	84.6	82.0	79.3	92.5	86.1	84.3	NA	NA	NA	103.0	92.8	92.2
1986 Average	57.8	54.4	50.1	62.4	54.9	52.2	NA	NA	NA	74.8	63.0	61.0
1987 Average	62.3	57.4	56.5	65.9	56.4	56.9	NA	NA	NA	79.0	65.4	67.1
1988 Average	62.4	55.5	54.8	64.9	55.0	54.8	NA	NA	NA	79.4	64.9	67.2
1989												
January	60.1	51.6	52.4	61.9	52.5	52.4	71.7	64.0	62.3	78.3	63.8	66.7
February	61.1	55.0	54.0	62.3	53.9	53.5	71.4	64.1	62.9	78.8	65.1	67.3
March	64.0	60.6	58.6	64.7	57.4	57.5	73.0	60.3	64.6	80.8	69.3	70.5
April	78.5	76.9	72.7	78.6	72.6	70.6	85.3	81.9	75.3	92.7	83.9	83.6
May	82.5	74.8	74.1	82.6	73.7	73.0	89.3	83.7	78.7	97.1	84.9	86.0
June	81.5	74.3	72.3	81.2	72.6	70.4	88.2	79.9	76.3	96.4	82.9	83.2
July	80.1	67.1	67.8	78.6	66.3	65.3	85.4	72.0	71.7	94.2	77.3	79.2
August	75.0	59.5	60.0	72.9	59.4	58.8	79.7	68.8	66.2	89.1	69.9	73.1
September	71.8	64.1	63.6	70.9	63.2	62.1	78.0	70.0	68.5	87.1	73.2	75.2
October	70.9	63.4	61.7	70.6	63.1	60.5	77.9	67.7	67.0	86.9	72.4	74.0
November	68.6	61.1	58.9	68.3	59.5	57.5	76.2	65.4	64.3	85.1	69.5	71.0
December	67.4	60.9	58.3	67.3	58.7	57.5	75.5	64.7	64.7	84.6	69.7	71.0
1989 Average	71.6	64.4	63.1	72.0	62.9	61.8	79.6	69.5	68.6	87.4	73.7	74.9
1990												
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	85.1	89.1	82.4	82.3	95.9	88.8	87.2	104.2	93.9	94.9
September	96.9	NA	92.9	98.1	91.7	92.5	105.4	100.1	97.1	113.5	100.6	104.5
October	103.1	97.5	96.2	105.9	98.0	95.7	114.0	104.2	102.7	121.8	109.4	109.8
November	103.1	94.7	93.2	104.2	94.5	92.5	112.5	100.1	99.6	120.3	105.0	106.7
December	96.6	82.2	80.3	95.6	80.3	77.2	103.3	85.3	84.2	110.6	91.1	91.4
1990 Average	83.3	72.3	75.4	85.2	76.5	75.8	92.4	84.0	81.4	98.9	85.6	87.4
1991												
January	86.6	75.7	75.1	85.9	76.0	73.5	93.0	81.1	79.0	100.5	86.2	85.4
February	76.2	66.6	65.3	76.6	68.3	65.4	83.7	73.0	71.2	91.0	77.6	77.3
March	66.1	63.4	59.2	71.0	66.8	65.1	78.5	70.4	70.7	95.0	75.2	75.4
April	66.5	67.3	62.4	73.9	70.3	68.6	82.2	74.8	74.1	88.4	78.7	79.1
May	72.0	73.2	67.6	79.0	74.0	71.7	87.5	78.6	77.7	93.6	82.8	83.4
June	72.7	67.6	65.3	78.8	70.4	67.6	87.4	74.4	74.2	93.4	79.1	80.4
July	68.5	66.6	62.9	75.6	68.5	66.3	84.6	72.5	72.6	90.6	76.9	78.5
August	70.3	71.8	67.1	77.7	72.0	69.9	86.5	76.0	76.1	92.5	80.4	81.9

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)

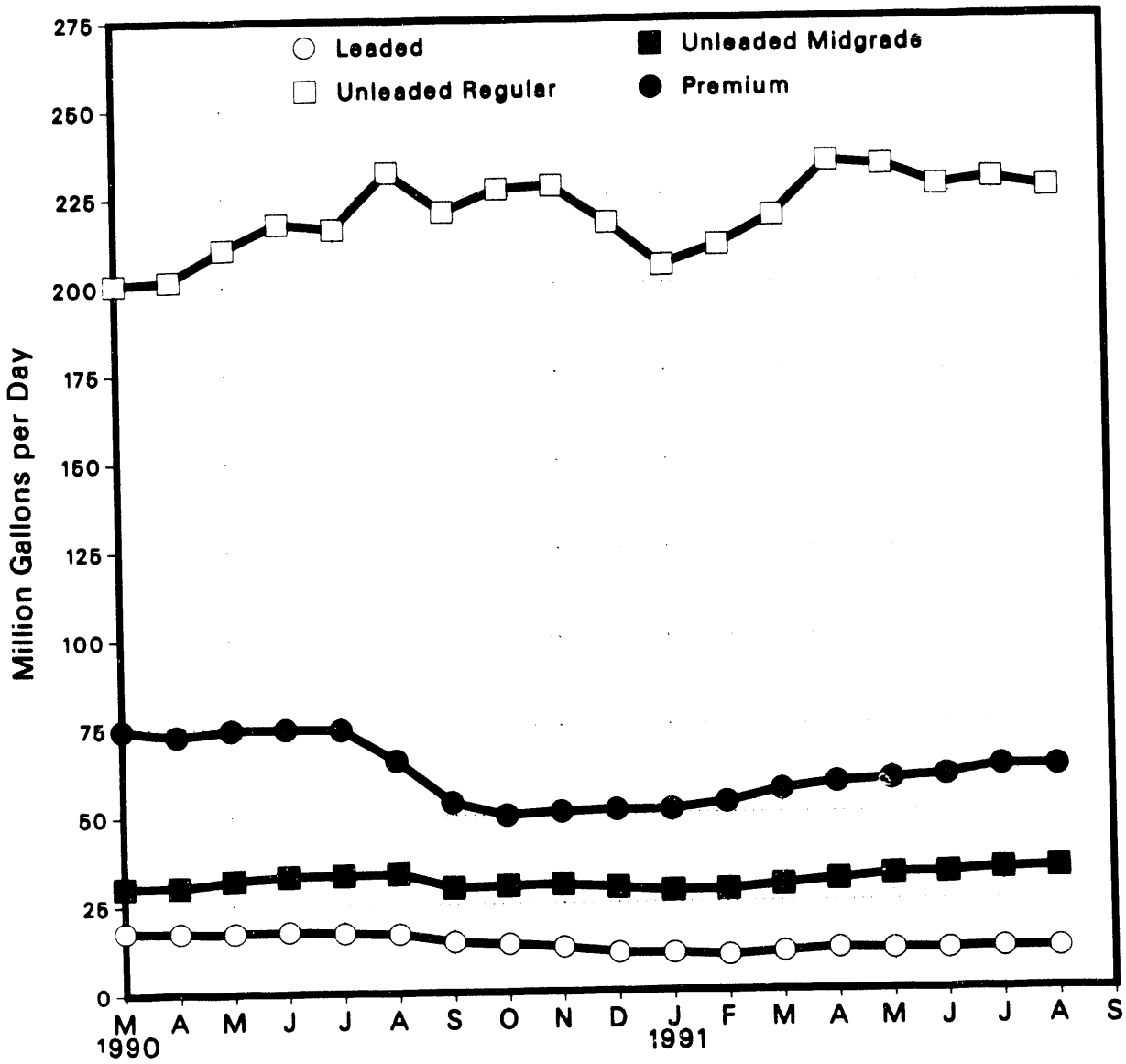
Year Month	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End 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 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	137.8	2.4	0.1	10.6	13.3	.7	59.1
February	6.2	.5	33.0	31.3	3.0	140.2	2.8	.1	11.2	13.8	.7	61.7
March	6.1	.5	36.2	32.5	3.3	153.4	3.2	.2	12.4	14.0	.8	65.9
April	5.9	.5	32.1	34.3	2.7	151.5	3.5	.1	13.1	12.5	.7	56.6
May	5.6	.5	31.3	35.7	2.8	158.2	4.2	.1	15.2	12.4	.8	57.4
June	5.2	.4	30.9	36.5	2.7	167.8	4.9	.1	17.1	13.0	.7	60.2
July	4.3	.4	27.2	35.8	2.4	160.7	5.4	.2	17.1	13.2	.6	57.6
August	4.1	.4	27.5	36.0	2.5	165.6	5.9	.2	18.8	13.7	.7	62.6
September	3.6	.3	23.8	35.0	2.3	159.1	6.2	.2	18.5	13.6	.6	60.0
October	3.3	.3	21.9	34.8	2.4	158.4	6.6	.2	19.4	13.7	.7	60.0
November	3.1	.2	18.8	34.5	2.0	157.0	6.8	.2	21.3	14.0	.6	62.7
December	2.9	.1	17.2	35.0	1.9	157.5	7.4	.2	21.8	15.1	.5	65.9
1989 Average	4.7	.4	27.8	34.3	2.5	155.7	4.9	.2	16.4	13.5	.7	60.8
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	190.2	7.6	.2	25.9	10.5	.6	54.5
September	2.0	NA	12.0	39.5	2.3	178.7	7.3	.2	22.1	9.0	.5	44.1
October	1.9	.1	11.6	39.6	2.3	185.0	7.1	.3	22.6	8.1	.4	41.4
November	1.8	.1	10.7	39.7	2.1	186.0	7.3	.2	22.8	8.5	.5	41.8
December	1.7	.0	9.2	37.6	1.8	177.8	7.2	.2	21.9	9.0	.4	41.9
1990 Average	2.1	.2	13.4	36.5	2.3	173.5	7.3	.2	23.0	11.1	.6	53.4
1991												
January	1.6	.1	8.9	35.9	2.0	167.0	6.8	.3	21.1	8.9	.4	41.8
February	1.7	.1	8.3	38.1	1.7	170.9	7.4	.2	20.9	10.0	.3	42.8
March	1.7	.0	9.0	39.1	1.9	177.7	7.6	.3	21.9	10.5	.4	45.6
April	1.8	.1	9.9	39.3	2.2	192.6	7.7	.2	23.3	10.3	.4	47.8
May	1.8	.1	9.4	39.4	2.2	191.3	7.9	.3	24.4	10.2	.4	48.5
June	1.8	.1	9.5	39.9	2.1	185.3	8.1	.3	24.4	10.8	.4	49.1
July	1.8	.0	9.8	38.9	2.0	187.9	8.2	.3	25.3	11.0	.4	51.4
August	1.8	.1	9.6	39.2	2.0	185.0	8.1	.3	25.5	10.8	.4	51.2

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	105.8	100.2	94.3	107.2	100.9	97.3
1983 Average	97.0	90.6	89.0	95.2	89.7	85.6	96.4	90.5	86.2
1984 Average	92.0	85.7	84.2	90.0	84.9	80.2	91.4	85.6	83.2
1985 Average	93.0	85.7	84.7	89.8	83.5	79.9	92.1	85.2	83.5
1986 Average	64.1	57.8	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 Average	69.2	57.8	59.3	65.2	54.1	52.7	68.1	56.4	57.7
1989									
January	67.5	56.4	57.9	62.7	51.8	51.0	66.4	54.7	56.3
February	68.0	58.1	58.8	63.1	53.3	52.6	66.8	56.1	57.4
March	70.2	60.8	62.4	65.5	58.1	57.0	69.1	59.8	61.2
April	82.8	74.9	75.0	79.9	75.9	70.4	82.1	75.3	74.0
May	87.0	77.5	77.5	83.8	74.0	72.3	86.2	76.2	76.3
June	85.9	75.4	75.2	82.4	73.7	69.4	85.1	74.8	73.8
July	83.5	70.3	70.6	80.8	65.7	63.7	82.9	68.5	69.0
August	78.1	63.5	64.5	75.4	58.9	56.6	77.5	61.8	62.7
September	76.1	66.1	66.9	73.5	64.2	61.7	75.5	65.5	65.7
October	76.0	66.0	65.6	72.9	63.6	59.7	75.3	65.2	64.2
November	74.2	62.6	62.9	70.3	59.8	58.2	73.3	61.9	61.4
December	73.6	61.7	63.0	69.2	59.9	56.4	72.6	61.3	61.6
1989 Average	77.1	66.2	66.8	73.5	63.3	60.8	76.3	65.2	65.4
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	84.0	92.7	84.8	85.6
September	101.3	96.7	95.3	101.5	85.3	93.7	101.4	92.8	95.0
October	109.5	100.4	100.0	107.7	98.9	93.8	109.1	100.1	98.6
November	108.2	97.1	97.3	105.9	95.0	89.4	107.6	96.7	95.4
December	99.6	82.8	82.4	97.5	81.2	72.9	99.1	82.5	80.3
1990 Average	89.3	79.6	79.9	87.0	75.4	74.0	88.7	78.4	78.6
1991									
January	89.7	78.0	77.3	88.1	78.2	72.0	89.3	78.0	76.1
February	80.5	70.3	69.0	78.5	69.2	64.4	80.0	70.0	68.0
March	74.8	68.6	67.6	72.9	67.7	65.8	74.3	68.4	67.2
April	77.7	72.3	71.0	76.4	70.6	69.5	77.3	71.9	70.7
May	82.9	75.8	75.0	81.0	75.4	71.2	82.4	75.7	74.2
June	83.0	71.9	71.7	80.7	72.1	66.2	82.4	72.0	70.5
July	80.0	69.9	69.9	77.8	70.7	66.0	79.4	70.1	69.1
August	82.0	73.4	73.5	79.6	74.4	69.6	81.4	73.6	72.7

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 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
1983 Average	27.1	8.0	185.6	15.1	0.8	56.8	42.3	8.8	242.5
1984 Average	34.5	6.3	188.2	15.8	1.0	58.1	50.3	7.3	246.3
1985 Average	35.8	5.4	194.7	14.7	1.6	62.1	50.5	7.0	256.9
1986 Average	36.3	4.5	196.2	16.0	2.7	61.1	54.2	7.1	257.2
1987 Average	40.2	3.1	198.5	15.5	2.2	58.7	55.7	5.3	257.2
1988 Average	40.9	2.8	199.9	15.8	1.6	63.8	56.7	4.4	263.7
1989									
January	39.3	2.4	185.1	12.5	1.4	56.1	51.8	3.8	241.3
February	41.3	2.5	192.7	12.9	1.8	53.4	54.2	4.3	246.1
March	42.7	2.9	205.5	13.1	1.9	62.3	55.8	4.7	267.8
April	42.8	2.5	196.5	13.4	1.5	56.8	56.2	4.0	253.3
May	43.9	2.7	200.8	14.0	1.5	61.3	57.9	4.2	262.1
June	46.1	2.6	209.4	13.5	1.4	66.6	59.6	3.9	276.0
July	45.2	2.1	201.4	13.6	1.4	61.4	58.8	3.6	262.7
August	45.6	2.3	212.7	14.1	1.4	61.7	59.7	3.7	274.4
September	45.2	2.3	201.7	13.3	1.1	59.7	58.5	3.5	261.4
October	44.7	2.4	197.8	13.7	1.2	61.9	58.4	3.6	259.7
November	45.0	2.2	201.6	13.4	.7	58.2	58.4	2.9	259.8
December	46.7	2.2	204.7	13.7	.6	57.8	60.4	2.8	262.4
1989 Average	44.1	2.4	200.9	13.4	1.3	59.8	57.5	3.8	260.7
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	224.6	14.5	.9	60.5	59.6	3.4	285.0
September	43.7	2.2	203.9	14.1	1.1	53.0	57.8	3.3	256.9
October	42.0	2.5	200.3	14.8	.6	60.3	56.8	3.1	260.6
November	42.6	2.3	199.8	14.7	.6	61.5	57.3	2.9	261.3
December	41.5	1.9	196.2	14.0	.6	54.5	55.5	2.5	250.7
1990 Average	42.8	2.4	204.4	14.2	.9	59.0	57.0	3.3	263.4
1991									
January	39.5	2.1	185.2	13.0	.6	53.6	53.2	2.8	238.8
February	42.5	1.7	190.2	14.7	.6	52.7	57.1	2.3	242.9
March	44.1	2.0	203.0	14.8	.7	51.3	58.9	2.6	254.3
April	43.5	2.2	214.0	15.5	.8	59.6	59.0	3.0	273.6
May	43.9	2.4	214.2	15.3	.7	59.5	59.2	3.0	273.7
June	45.2	2.1	210.5	15.4	.7	57.8	60.6	2.8	268.2
July	44.1	2.0	216.9	15.7	.8	57.5	59.8	2.8	274.4
August	44.4	2.1	213.0	15.5	.7	58.3	59.9	2.8	271.3

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						Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c	Average	
1983 Average	107.8	86.3	88.3	94.3	89.7	93.3	81.8
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	83.8	51.4	53.7	59.8	56.9	61.4	48.0
1987 Average	80.3	56.6	59.7	64.4	63.1	64.3	53.5
1988 Average	81.3	51.9	54.2	61.6	58.7	61.2	48.2
1989							
January	84.9	57.1	59.2	63.5	58.9	67.8	53.2
February	85.5	56.9	59.7	64.3	61.6	68.7	52.5
March	87.1	59.4	62.6	66.1	65.0	69.4	55.6
April	87.8	61.9	64.8	70.7	69.4	69.8	57.8
May	86.6	57.9	60.8	69.1	66.6	65.5	53.7
June	84.1	54.4	57.4	66.4	62.0	60.8	51.1
July	82.1	54.6	56.6	65.1	61.6	60.2	51.2
August	81.5	55.6	58.6	64.4	62.9	61.3	52.5
September	81.5	60.5	64.5	68.2	68.4	66.4	57.7
October	85.6	64.4	68.2	71.3	71.7	70.8	61.3
November	88.3	65.2	68.7	72.4	71.5	72.9	61.5
December	107.6	77.2	78.6	81.3	79.0	89.2	72.1
1989 Average	90.0	60.8	63.8	68.5	66.7	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	98.8	78.0	83.0	88.5	86.5	84.6	73.8
September	113.7	90.1	95.6	100.2	99.2	97.1	86.6
October	125.4	101.6	106.1	111.1	110.5	108.6	97.5
November	123.4	96.7	100.0	107.5	105.9	105.5	92.0
December	119.6	97.9	89.5	98.0	94.6	99.6	81.4
1990 Average	106.2	75.3	78.0	85.2	82.0	84.1	70.7
1991							
January	116.8	84.0	84.9	91.0	89.2	96.4	76.9
February	110.3	75.1	76.2	81.6	79.3	86.9	68.6
March	102.6	65.2	66.9	72.2	71.7	76.3	59.9
April	96.9	63.0	65.7	70.6	71.0	71.3	58.1
May	92.5	61.8	64.1	70.0	70.2	68.1	57.3
June	89.3	59.6	62.1	67.8	68.0	65.2	55.1
July	86.6	61.3	64.3	68.5	69.0	66.4	57.6
August	87.1	64.9	68.0	71.9	72.4	69.7	61.7

^a No. 2 fuel oil only.

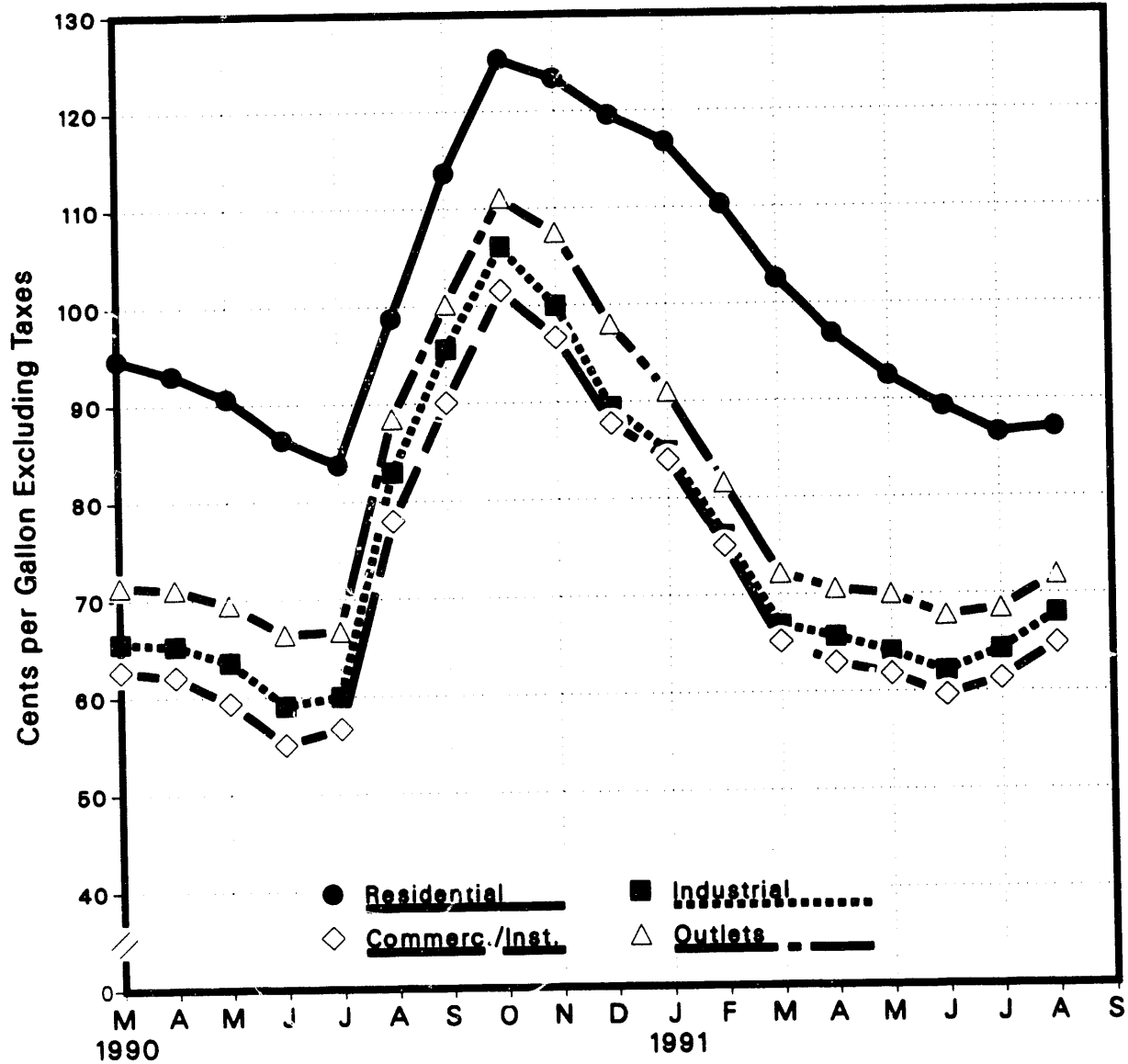
^b No. 2 diesel fuel only.

^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	47.8	50.7	49.2	49.6	50.1	48.8	49.1
1979 Average	72.0	68.8	70.9	72.5	72.8	72.5	68.2	74.2	70.1	71.0	71.2	69.8	70.4
1980 Average	98.3	96.3	97.8	100.4	101.1	101.5	95.4	102.6	97.9	97.9	98.2	96.4	98.5
1981 Average	121.7	120.4	121.3	123.7	123.8	125.4	117.3	127.4	121.4	121.5	123.2	118.1	120.5
1982 Average	118.3	115.5	117.6	117.4	120.1	120.1	111.3	124.5	117.1	117.4	120.5	113.7	117.7
1983 Average	109.1	102.8	109.1	104.1	110.5	112.9	106.0	117.0	110.3	107.9	112.1	105.8	108.7
1984 Average	112.1	103.9	111.6	108.4	111.4	111.9	109.6	118.7	113.5	111.0	115.5	107.9	110.5
1985 Average	108.0	99.7	107.0	102.4	106.7	107.7	104.6	114.3	108.8	105.9	111.3	102.3	106.3
1986 Average	89.0	74.4	82.1	75.9	82.8	85.6	85.0	93.1	91.4	90.2	91.1	81.4	86.6
1987 Average	83.4	74.7	80.6	76.5	82.5	81.1	79.3	91.8	86.8	84.3	85.2	76.9	79.5
1988 Average	85.3	77.7	82.1	78.2	83.6	82.6	80.1	91.6	87.0	84.8	86.3	77.8	80.5
1989													
January	88.4	85.6	87.1	83.0	87.5	86.0	82.4	94.0	88.1	87.3	91.0	81.6	82.6
February	88.7	87.4	86.3	83.8	88.3	86.9	81.8	95.1	88.8	87.0	92.2	82.2	82.3
March	89.8	88.3	88.1	84.8	90.0	87.8	82.9	96.0	89.4	88.9	93.4	83.2	82.5
April	89.4	87.4	87.8	83.2	89.9	87.5	84.8	95.4	90.3	87.8	93.8	83.2	82.1
May	88.1	81.0	86.8	83.1	88.8	86.4	83.4	92.1	89.6	87.2	92.9	82.2	81.5
June	85.6	73.5	83.4	79.5	87.6	84.3	80.3	92.0	88.4	83.0	92.0	77.6	79.6
July	84.9	72.1	81.1	77.8	85.4	82.9	79.0	90.7	86.5	82.3	90.9	74.1	78.4
August	84.6	70.0	81.1	78.2	84.1	82.0	78.8	90.1	85.7	80.1	90.1	72.6	77.9
September	85.2	74.6	84.9	79.4	86.5	82.6	78.8	91.4	83.1	81.8	86.6	74.2	79.7
October	88.9	82.7	88.5	83.2	90.3	85.3	82.4	92.0	88.2	87.3	91.0	78.9	84.0
November	90.3	86.7	91.1	87.5	92.3	86.1	86.1	94.7	91.1	89.7	93.7	81.6	86.0
December	112.5	106.0	115.2	112.1	114.0	109.8	111.6	110.8	110.6	108.5	113.0	103.1	105.2
1989 Average	92.9	89.4	92.6	89.3	93.9	90.5	88.2	98.6	93.8	91.8	95.8	85.1	87.0
1990													
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	96.0	98.5	98.4	97.1	104.9	101.4	99.5	103.1	93.4	101.7
March	97.7	83.4	98.6	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	89.5	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	99.2	102.3	97.4	93.1	107.1	100.2	102.1	102.6	92.5	102.4
September	114.7	118.3	117.1	110.9	115.8	114.6	111.2	116.1	115.8	114.3	116.3	108.9	114.8
October	128.2	126.0	126.7	120.0	120.0	124.1	122.3	134.9	130.6	126.9	128.8	122.6	128.3
November	128.1	116.3	122.7	116.0	119.8	123.4	118.8	134.3	130.4	125.8	127.8	120.0	126.1
December	124.7	113.4	120.0	110.8	114.9	119.6	113.7	128.4	125.3	120.9	126.5	119.3	122.8
1990 Average	109.7	98.4	108.3	102.9	108.5	107.0	106.0	108.5	111.9	108.6	112.4	102.5	110.5
1991													
January	122.6	114.4	117.2	107.2	112.9	117.5	113.0	124.1	122.7	119.7	123.7	117.7	117.7
February	116.0	105.9	111.3	100.7	109.5	111.3	105.4	118.6	116.1	113.3	119.7	110.9	110.5
March	109.0	95.4	102.7	90.5	101.6	104.0	98.4	112.3	107.7	104.3	112.8	101.8	102.6
April	101.4	87.1	96.1	83.9	94.6	98.3	92.3	105.6	102.8	97.6	106.7	95.5	96.2
May	96.5	81.9	91.7	79.4	89.7	93.5	91.4	101.1	98.8	93.5	101.1	89.9	90.7
June	92.7	79.4	88.9	77.3	87.1	91.3	83.1	94.6	95.9	90.3	97.9	85.7	87.8
July	90.0	82.2	88.4	77.6	88.8	88.1	81.5	98.6	93.7	88.5	93.9	80.8	86.9
August	89.7	83.4	88.4	80.7	89.0	88.5	85.8	98.6	94.2	89.3	93.1	81.9	87.6

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
1978 Average	46.2	46.5	48.5	47.9	47.8	47.4	44.7	43.6	53.2	45.8	48.6	49.0
1979 Average	65.1	68.8	72.7	70.9	72.4	68.6	67.3	62.1	68.2	68.0	69.7	70.4
1980 Average	92.2	95.8	99.6	97.8	99.9	91.9	91.5	91.6	97.8	97.3	100.8	97.4
1981 Average	115.0	114.9	118.5	118.3	118.4	113.2	109.1	110.4	118.0	111.4	116.5	119.4
1982 Average	109.3	110.9	114.3	113.9	115.1	110.2	107.8	110.4	117.4	111.6	117.6	116.0
1983 Average	101.0	100.4	100.7	106.4	103.1	101.3	101.2	101.8	108.8	103.6	109.0	107.8
1984 Average	102.1	100.1	103.1	105.0	104.1	102.1	101.0	98.5	106.9	99.3	102.6	109.1
1985 Average	98.0	97.5	99.1	102.1	101.9	99.7	98.3	97.2	108.3	97.1	101.1	105.3
1986 Average	74.6	NA	74.8	81.0	79.2	77.7	75.6	73.8	94.9	70.4	77.5	83.6
1987 Average	76.4	79.8	75.4	77.5	74.6	74.7	75.1	68.8	86.5	72.5	79.5	80.3
1988 Average	74.2	77.6	75.4	77.5	73.5	74.7	73.9	68.8	86.9	70.9	78.5	81.3
1989												
January	75.8	76.6	77.8	78.8	75.3	77.5	73.9	68.1	86.7	66.3	76.9	84.9
February	76.2	75.8	77.0	79.3	75.7	76.7	74.0	71.5	90.9	76.7	86.0	85.5
March	76.7	76.6	77.6	80.1	77.1	77.5	75.6	78.3	96.0	84.2	92.8	87.1
April	77.0	79.8	79.7	81.5	82.3	79.4	76.3	85.8	99.5	87.3	94.2	87.8
May	77.4	78.5	78.1	81.2	82.1	78.5	78.0	83.5	100.1	79.6	87.3	86.6
June	80.9	77.0	76.5	80.1	81.0	79.3	78.0	80.3	101.5	74.9	77.6	84.1
July	78.1	74.5	77.0	80.3	80.8	79.4	75.7	77.3	105.8	71.1	74.7	82.1
August	73.6	78.4	76.5	79.1	79.4	78.1	75.4	77.2	101.6	71.2	78.2	81.5
September	79.3	77.5	80.1	82.9	80.7	77.5	76.5	80.3	96.0	81.5	83.9	81.5
October	81.7	81.9	83.3	86.4	82.5	78.4	79.5	82.2	97.8	86.4	91.7	85.6
November	83.1	82.8	84.0	88.2	86.1	78.8	82.2	84.9	97.9	86.4	93.4	88.3
December	100.0	93.9	98.6	102.2	95.6	97.2	97.5	84.5	98.1	86.1	93.1	107.6
1989 Average	83.0	80.9	83.2	85.3	82.4	81.6	81.1	77.8	96.4	80.2	87.4	90.0
1990												
January	109.2	95.2	99.7	103.5	100.9	96.0	91.6	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	99.6	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	85.6	80.8	82.9	81.7	97.9	85.1	90.0	93.1
May	83.0	78.3	82.4	83.7	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	74.6	102.1	81.9	85.0	86.4
July	79.2	76.7	74.7	82.4	83.0	81.6	77.5	70.5	97.8	79.3	76.3	83.8
August	98.1	96.9	98.1	100.2	101.6	93.3	92.0	90.7	116.8	95.3	90.0	98.8
September	115.2	NA	110.4	113.2	111.7	115.2	107.0	108.3	119.3	111.9	115.3	113.7
October	124.4	117.8	123.3	123.9	121.7	120.9	117.1	121.0	128.9	128.2	133.3	125.4
November	121.7	113.1	119.1	121.0	119.7	117.0	114.8	127.1	127.5	126.8	134.4	123.4
December	112.9	105.0	111.4	113.5	111.1	111.8	108.3	119.7	128.2	109.2	122.0	119.6
1990 Average	98.9	96.1	98.8	100.9	101.7	97.8	94.2	97.4	112.6	97.0	102.7	108.2
1991												
January	110.4	102.4	105.8	109.1	105.5	105.5	102.4	110.8	129.3	108.3	118.4	116.8
February	101.2	93.0	95.4	97.0	93.6	94.5	92.3	97.3	122.8	102.9	112.0	110.3
March	90.8	85.9	87.9	90.9	87.2	85.8	87.6	84.1	109.5	89.4	95.3	102.6
April	87.4	88.3	85.7	90.9	87.7	83.2	84.0	83.5	101.9	86.4	94.0	96.9
May	85.5	88.5	86.3	88.5	88.0	83.1	82.9	84.4	101.3	86.5	94.9	92.5
June	83.5	86.8	80.3	87.5	87.0	80.7	80.8	83.4	98.2	85.6	91.7	89.3
July	81.7	82.2	79.1	83.4	84.3	79.6	78.0	80.0	98.6	84.5	85.4	86.6
August	82.3	86.2	80.2	84.3	86.3	81.1	78.7	84.6	96.8	88.3	92.1	87.1

NA = Not available.

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

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

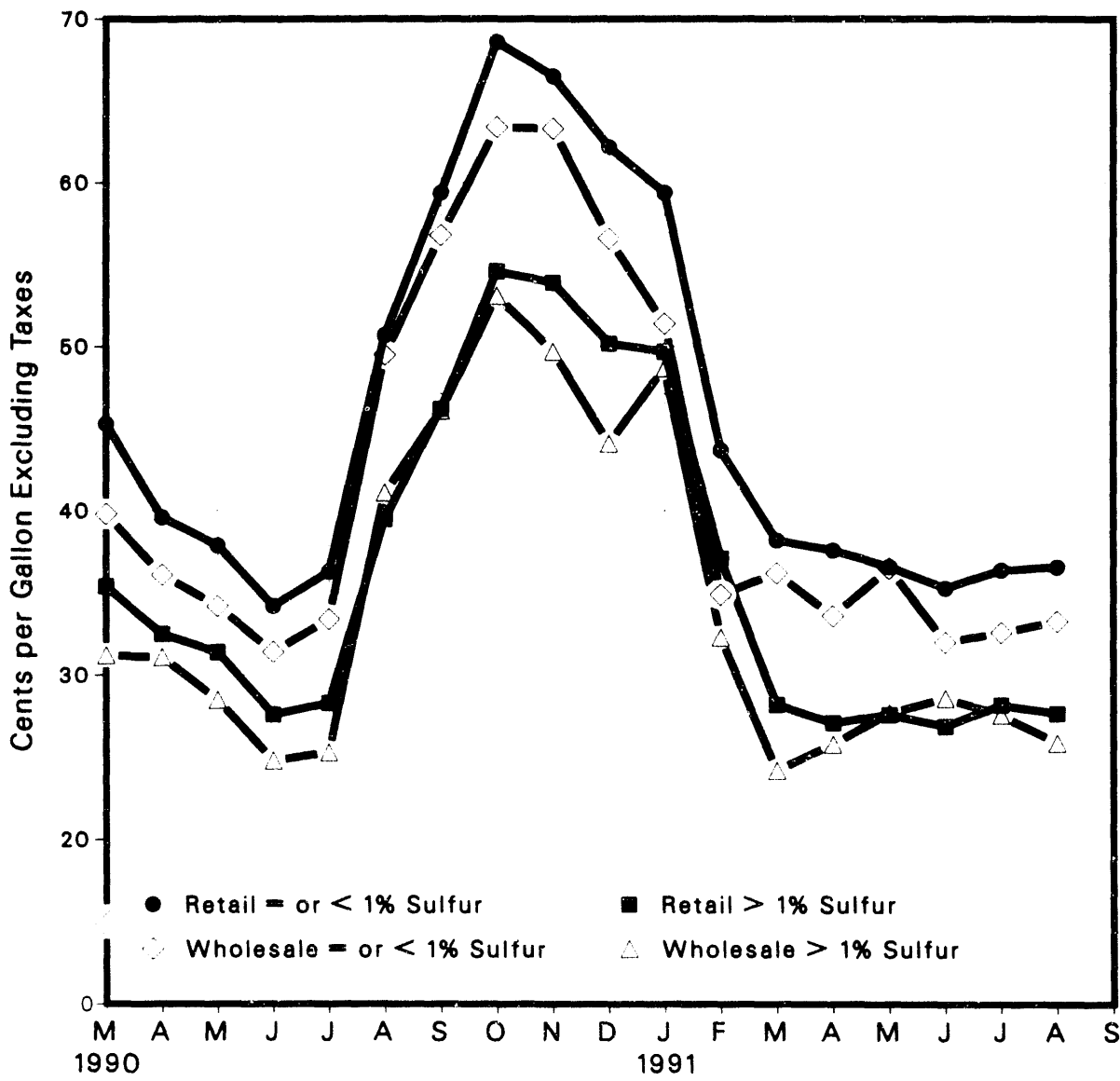
Table 17. Refiner Residual Fuel Oil Prices
(Cents per Gallon Excluding Taxes)

Year Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
1978 Average	31.4	29.3	27.5	24.5	29.8	26.3
1979 Average	46.8	45.0	38.9	36.6	43.6	39.9
1980 Average	67.5	60.8	52.3	47.9	60.7	52.8
1981 Average	82.9	74.8	67.3	62.2	75.6	68.3
1982 Average	74.7	69.5	61.1	57.2	67.6	61.2
1983 Average	69.5	64.3	61.1	59.1	65.1	60.9
1984 Average	72.0	68.5	65.9	63.9	68.7	65.4
1985 Average	64.4	61.0	58.2	56.0	61.0	57.7
1986 Average	37.2	32.8	31.7	28.9	34.3	30.5
1987 Average	44.7	41.2	39.6	36.2	42.3	38.5
1988 Average	37.2	33.3	30.0	27.1	33.4	30.0
1989						
January	41.7	38.8	30.5	29.1	35.4	32.8
February	39.8	37.0	29.9	30.5	34.3	33.2
March	42.0	38.8	29.7	28.1	36.1	32.1
April	46.6	44.1	34.9	34.2	40.3	38.1
May	46.5	43.6	36.3	34.7	40.5	37.6
June	42.8	39.3	36.2	33.9	39.1	35.5
July	42.1	39.0	35.5	34.0	38.5	35.7
August	39.6	37.3	34.5	33.0	36.8	34.4
September	40.2	38.2	34.2	32.3	36.5	35.1
October	43.2	40.2	35.9	34.5	38.8	36.9
November	44.1	40.5	36.2	34.2	39.3	36.6
December	53.4	47.7	39.5	38.3	45.7	42.1
1989 Average	43.6	40.7	34.4	33.1	38.5	36.0
1990						
January	60.0	56.0	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	49.5	39.5	41.1	44.1	44.4
September	59.4	56.8	46.2	46.1	50.7	50.8
October	68.6	63.4	54.6	53.1	60.5	57.3
November	66.5	63.3	53.9	49.7	58.7	55.6
December	62.2	56.6	50.2	44.1	55.5	48.6
1990 Average	50.4	47.1	39.9	37.2	44.4	41.2
1991						
January	59.4	51.4	49.7	48.7	53.4	49.7
February	43.7	34.9	37.1	32.3	39.7	33.4
March	38.2	36.2	28.2	24.2	32.3	28.2
April	37.6	33.6	27.1	25.8	30.2	28.7
May	36.6	36.5	27.6	27.7	31.0	30.3
June	35.3	32.0	26.9	28.6	29.5	29.7
July	36.4	32.6	28.2	27.6	31.2	29.0
August	36.6	33.3	27.7	25.9	31.0	27.9

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

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-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.

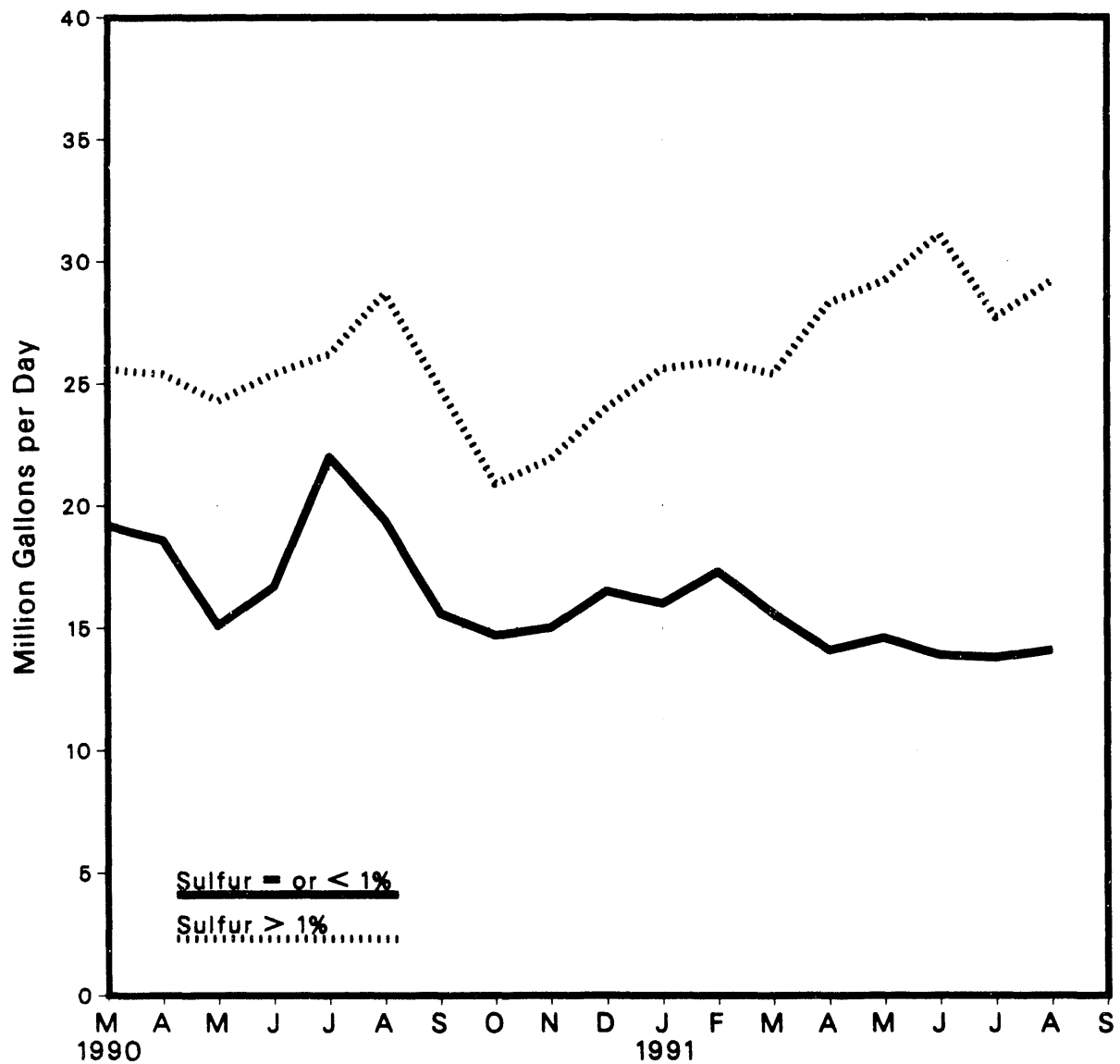
Table 18. Refiner Residual Fuel Oil Volumes
(Million Gallons per Day)

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	18.9
1988 Average	14.2	8.7	15.9	10.3	30.2	18.9
1989						
January	15.3	8.6	20.3	14.2	35.9	22.8
February	14.8	9.1	18.7	13.0	33.5	22.1
March	18.4	8.5	17.0	14.5	35.3	23.0
April	15.2	7.6	17.7	11.4	32.9	19.0
May	11.9	6.7	16.8	14.3	28.7	21.0
June	13.1	5.1	16.9	12.6	30.0	17.7
July	14.1	6.7	17.1	13.3	31.3	20.0
August	12.8	5.7	15.3	11.5	28.1	17.2
September	9.2	8.5	14.5	9.3	23.7	17.8
October	9.4	9.2	14.3	12.8	23.7	22.0
November	11.2	8.2	16.8	13.9	28.0	22.2
December	15.0	11.2	18.8	16.2	33.8	27.4
1989 Average	13.4	7.9	17.0	13.1	30.4	21.0
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	19.5
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	17.3	11.4	29.5	18.6
September	7.5	8.0	14.7	10.1	22.2	18.2
October	9.0	5.8	12.5	8.4	21.5	14.2
November	8.3	6.7	13.2	8.6	21.5	15.3
December	10.5	6.0	13.4	10.6	23.9	16.6
1990 Average	11.1	7.2	14.9	10.7	26.0	17.9
1991						
January	9.3	6.7	14.7	10.9	24.0	17.6
February	9.1	8.2	14.2	11.7	23.3	19.9
March	10.5	5.1	15.2	10.2	25.7	15.4
April	6.8	7.3	16.0	12.3	22.8	19.6
May	8.6	6.0	14.5	14.7	23.2	20.7
June	7.8	6.1	18.2	12.9	26.0	19.0
July	10.2	3.6	18.0	9.7	28.3	13.2
August	9.3	4.8	15.5	13.7	24.8	18.5

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. 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 Average	14.59	14.57	14.58	15.12	14.55	14.91	14.74	14.56	14.67
1989									
January	15.43	15.97	15.66	15.69	16.25	15.92	15.50	16.04	15.73
February	15.97	16.65	16.26	16.51	16.46	16.49	16.11	16.61	16.32
March	17.22	17.76	17.45	17.67	17.81	17.72	17.34	17.77	17.52
April	18.90	19.73	19.28	18.94	19.12	19.01	18.91	19.59	19.22
May	18.89	18.97	18.93	19.33	19.32	19.33	19.01	19.05	19.03
June	18.43	18.22	18.33	18.90	18.47	18.73	18.56	18.27	18.43
July	18.19	17.86	18.04	18.68	18.45	18.59	18.32	17.99	18.18
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	18.27	18.27	18.27	18.90	18.50	18.75	18.45	18.32	18.39
December	19.06	20.38	19.65	19.40	18.90	19.22	19.16	20.05	19.54
1989 Average	17.75	18.09	17.90	18.20	18.07	18.15	17.87	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	15.79	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	24.92	24.05	22.34	21.91	22.17	23.00	24.26	23.57
September	30.51	30.32	30.42	29.30	27.91	28.79	30.16	29.82	30.01
October	33.33	33.35	33.34	33.31	31.50	32.72	33.32	32.98	33.18
November	30.58	30.71	30.64	31.15	29.27	30.53	30.75	30.40	30.61
December	26.08	26.00	26.05	27.36	25.28	26.65	26.46	25.84	26.21
1990 Average	22.56	22.04	22.31	22.71	20.87	22.00	22.80	21.78	22.23
1991									
January	22.87	22.70	22.79	24.23	21.34	23.21	23.25	22.41	22.90
February	18.96	18.36	18.70	20.85	18.08	19.88	19.53	18.30	19.02
March	17.77	17.70	17.74	18.90	17.19	18.33	18.12	17.59	17.89
April	18.48	18.29	18.39	18.74	18.18	18.55	18.56	18.27	18.43
May	18.77	18.18	18.48	19.45	18.03	18.90	18.98	18.14	18.60
June	17.83	17.85	17.84	18.90	17.56	18.37	18.16	17.78	17.98
July	18.77	18.24	18.52	19.24	17.81	18.69	18.91	18.14	18.57
August	18.74	18.80	18.77	19.62	18.43	19.14	19.02	18.71	18.88

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	14.76	16.03	15.77	14.68	14.30	14.70	14.55	14.02	14.20	14.61	13.70
1987 Average	15.40	16.83	16.52	17.40	17.43	16.56	17.42	17.53	17.49	17.37	17.19	17.63	17.08
1988 Average	12.58	13.97	14.21	W	15.26	14.35	14.65	14.79	14.78	14.55	14.58	14.92	14.08
1989													
January	13.80	15.23	15.27	15.93	16.18	15.28	16.14	15.55	16.63	16.03	16.57	16.27	15.71
February	14.24	15.47	15.21	16.30	16.10	15.14	16.28	16.77	16.85	16.23	16.81	16.37	15.86
March	15.65	16.77	16.57	17.61	17.57	16.63	17.81	18.37	18.34	17.92	18.29	17.81	17.45
April	17.04	18.24	18.05	W	18.97	18.06	19.12	19.65	19.64	19.26	19.61	19.09	18.68
May	16.76	18.00	17.90	W	19.03	18.04	18.57	18.97	18.95	18.65	19.01	18.67	18.09
June	16.42	17.73	17.79	W	18.99	18.09	18.52	18.89	18.89	18.67	18.94	18.47	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	17.11
October	16.25	17.60	17.77	W	18.24	17.38	18.66	18.83	18.86	18.75	18.74	18.74	17.78
November	16.30	17.54	17.56	W	18.25	17.33	18.43	18.76	18.73	18.75	18.75	18.51	17.41
December	17.01	18.24	18.26	18.14	18.47	W	19.30	19.65	19.60	19.68	19.62	19.34	18.32
1989 Average	15.86	17.13	17.16	W	18.15	17.18	18.04	18.36	18.37	18.18	18.36	18.06	17.36
1990													
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	21.85	23.50	23.70	24.34	23.65	22.72	25.27	25.89	26.00	25.58	24.09	25.47	24.48
September	28.44	29.82	29.95	W	30.63	29.74	31.61	32.45	32.37	31.97	32.20	31.58	30.88
October	30.87	32.68	33.43	32.58	33.86	32.64	34.15	34.67	34.61	34.34	34.38	34.33	33.21
November	27.53	29.00	29.97	29.34	30.29	29.52	30.57	31.08	31.20	30.80	30.87	30.95	29.46
December	22.63	24.06	25.21	W	25.78	24.81	25.34	25.85	25.85	25.79	25.56	25.57	24.47
1990 Average	20.03	21.56	22.06	23.32	23.00	22.16	22.87	23.36	23.46	23.21	23.20	22.90	21.94
1991													
January	19.58	21.41	22.40	W	22.46	W	22.63	23.37	23.85	22.99	22.95	22.77	21.77
February	16.22	17.54	18.76	W	19.60	W	18.90	19.29	19.29	19.27	18.89	19.03	17.96
March	15.08	16.65	16.92	17.53	17.00	W	18.07	18.59	18.51	18.62	18.24	18.15	17.29
April	16.14	17.58	18.00	W	18.42	W	19.05	19.65	19.65	19.54	19.62	19.34	18.30
May	16.41	17.95	18.58	19.59	18.98	W	19.37	20.00	19.99	19.71	19.62	19.64	18.62
June	15.55	17.01	17.51	18.36	18.29	W	18.27	18.98	18.99	18.56	18.58	18.65	17.52
July	16.32	17.95	18.41	19.20	19.11	W	19.56	20.22	20.23	19.70	19.84	19.90	18.83
August	16.56	18.11	19.02	19.23	19.72	W	19.78	20.43	20.44	19.91	20.09	20.10	18.99

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						Federal Offshore Gulf
	North Dakota	Ohio	Oklahoma	South Dakota	PAD III Average	Alabama	Arkansas	Louisiana	Mississippi	New Mexico	Texas	
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	26.50	27.33
1986 Average	13.54	15.51	14.47	13.81	14.89	13.91	14.54	15.32	13.63	14.93	14.73	15.27
1987 Average	16.76	17.42	17.62	16.96	17.57	16.80	17.23	17.97	16.78	17.57	17.55	17.54
1988 Average	13.85	15.19	14.86	14.04	14.75	13.86	14.41	15.22	13.98	14.78	14.71	14.71
1989												
January	15.31	16.20	16.36	15.48	16.11	15.20	15.94	16.63	15.45	16.08	16.07	16.04
February	15.44	16.15	16.48	15.75	16.31	15.59	15.83	16.74	15.56	16.25	16.18	16.55
March	16.87	17.53	17.97	17.14	17.67	16.93	17.27	18.17	16.91	17.64	17.63	17.65
April	18.20	19.01	19.27	18.39	19.01	18.36	18.55	19.52	18.29	18.95	19.01	18.89
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	18.39	17.89	17.84	18.91	17.60	18.36	18.30	18.46
July	17.57	18.96	18.77	17.89	18.31	17.76	17.64	18.81	17.49	18.35	18.28	18.25
August	16.04	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	18.35	17.78	17.81	18.90	17.35	18.33	18.35	18.21
November	17.51	17.84	18.58	17.59	18.23	17.84	17.62	18.86	17.06	18.21	18.14	18.26
December	18.46	18.53	19.43	18.75	18.97	18.52	18.60	19.67	17.87	19.03	18.98	18.67
1989 Average	17.12	18.06	18.23	17.33	17.86	17.27	17.34	18.39	17.00	17.86	17.81	17.83
1990												
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	24.75	24.48	24.57	24.16	25.11	23.34	24.64	24.54	24.01
September	30.35	30.42	31.80	30.68	30.77	30.40	30.45	31.46	29.59	30.80	30.82	30.37
October	33.38	33.85	34.24	33.77	33.94	33.22	32.41	34.88	32.52	33.97	33.74	34.26
November	30.07	30.40	30.50	30.18	30.07	29.87	28.73	30.87	28.63	29.91	30.01	30.04
December	24.34	25.84	25.32	24.74	25.08	24.75	23.51	25.88	23.50	25.19	24.83	25.54
1990 Average	21.93	23.09	22.92	22.32	22.41	22.10	21.55	23.03	21.04	22.43	22.36	22.39
1991												
January	22.07	23.56	22.43	22.12	22.38	22.13	21.16	23.19	20.82	22.58	22.20	22.58
February	18.12	20.05	18.85	18.24	18.48	18.05	17.06	19.34	16.97	18.78	18.29	18.70
March	17.36	17.04	18.01	17.50	17.65	17.58	16.35	18.69	15.90	17.78	17.42	17.91
April	18.14	18.37	18.98	18.53	18.64	18.43	17.39	19.54	16.99	18.63	18.45	18.87
May	18.51	18.97	19.37	18.99	19.00	18.71	17.71	19.92	17.50	19.09	18.79	19.27
June	17.56	18.31	18.20	18.13	17.95	17.80	16.77	18.71	16.41	18.12	17.76	18.20
July	18.72	19.14	19.65	19.16	19.12	19.03	17.91	19.97	17.75	19.32	18.96	19.21
August	18.96	19.69	19.84	19.37	19.28	19.28	18.21	20.12	17.83	19.36	19.14	19.35

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	19.52	17.91	24.37	22.9	20.41
1985 Average	24.78	25.64	25.29	23.98	24.67	19.11	16.98	22.46	22.14	20.08
1986 Average	13.24	13.98	13.58	13.33	12.94	8.53	6.45	13.13	11.90	9.48
1987 Average	16.77	17.71	16.57	17.22	16.45	11.89	10.83	15.48	13.92	11.82
1988 Average	13.85	14.83	13.84	14.24	13.47	9.28	8.43	12.92	10.97	9.41
1989										
January	15.43	16.74	15.06	16.28	14.93	10.17	9.54	14.25	11.26	11.49
February	15.59	16.88	15.29	16.49	15.08	11.13	10.57	15.16	12.21	10.55
March	17.01	18.28	16.88	17.74	16.50	12.17	11.71	15.88	12.94	11.39
April	18.35	19.76	18.12	19.25	17.79	13.90	13.36	18.09	14.96	13.26
May	18.02	19.46	17.65	19.11	17.44	13.99	13.12	18.04	15.67	14.46
June	17.93	19.42	17.67	19.28	17.29	13.30	12.39	17.31	14.98	13.46
July	17.92	19.58	17.46	19.61	17.17	12.97	11.99	16.75	14.66	13.04
August	16.47	18.13	15.94	18.19	15.71	12.16	11.32	14.86	13.75	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	17.37	18.86	17.03	18.63	16.73	12.71	12.00	16.17	14.06	12.64
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	18.06	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	24.13	25.39	23.92	25.21	23.52	17.34	16.55	21.70	18.63	18.23
September	30.22	31.61	30.15	31.02	29.63	24.46	23.97	28.04	25.24	24.30
October	32.94	34.48	32.91	34.77	32.12	26.10	25.38	30.65	27.38	25.67
November	29.45	30.77	29.25	30.75	28.80	23.33	22.77	26.87	24.31	22.36
December	24.13	25.67	24.13	25.55	23.37	18.87	18.43	22.95	19.73	17.89
1990 Average	21.88	23.16	21.59	22.61	21.05	16.15	15.23	21.16	17.80	16.21
1991										
January	21.37	23.14	21.36	22.75	20.60	15.27	14.12	19.18	17.48	15.13
February	17.72	19.28	17.45	19.21	17.02	12.69	12.28	15.68	13.48	11.66
March	16.93	18.58	16.70	18.44	16.16	11.11	10.44	14.61	12.29	10.99
April	17.64	19.46	17.60	19.33	16.70	12.18	11.60	15.27	13.22	11.36
May	18.03	19.78	18.06	19.89	17.06	12.31	11.53	15.66	13.63	12.13
June	17.09	18.77	17.06	19.03	16.11	11.83	10.99	14.84	13.28	11.59
July	18.16	20.01	18.27	19.97	17.21	12.00	11.29	14.65	13.31	10.98
August	18.31	20.17	18.20	20.18	17.41	12.29	11.64	15.03	13.46	11.03

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	14.12	13.81	12.65	13.24	14.05	12.70	13.82	12.38	13.35	13.28	13.31
1979 Average	20.53	19.03	22.93	20.27	21.69	17.28	21.70	16.90	21.10	19.27	19.88
1980 Average	36.67	32.17	NA	31.08	35.93	28.17	34.36	24.81	34.34	31.57	32.21
1981 Average	39.08	35.82	-	33.01	38.31	32.60	36.06	28.95	36.69	34.79	35.17
1982 Average	34.20	35.11	30.97	28.08	35.13	33.73	33.42	23.74	31.96	33.84	33.48
1983 Average	30.09	29.92	28.39	25.20	29.81	27.53	29.91	21.48	27.96	28.28	28.46
1984 Average	28.34	29.13	27.42	26.39	29.51	27.67	28.87	24.23	27.79	27.79	27.79
1985 Average	26.89	27.12	W	25.33	28.04	22.04	27.64	23.64	26.12	24.34	25.67
1986 Average	13.62	13.19	W	11.84	14.35	11.36	13.84	10.92	13.32	11.59	12.21
1987 Average	16.79	17.40	W	16.36	18.47	15.12	18.28	15.08	17.11	15.80	16.43
1988 Average	W	13.81	-	12.18	15.16	12.16	14.80	12.98	13.45	12.57	13.43
1989											
January	W	14.52	-	13.98	16.11	W	W	13.10	15.05	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	18.75	16.85	18.35
May	W	W	-	16.95	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	17.05	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	18.43	18.70	19.24
1989 Average	W	17.01	-	15.96	18.31	16.29	17.89	16.09	17.12	16.72	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	10.19	-	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	17.12	W	15.10	16.66	17.80	20.27	18.17
August	W	19.12	-	21.16	25.65	29.70	21.18	24.33	22.63	28.34	25.39
September ..	W	W	-	27.04	32.74	W	33.05	27.71	30.02	27.46	29.06
October	W	35.41	-	29.15	37.31	28.73	32.53	26.39	33.13	29.85	30.39
November	W	W	-	27.23	33.56	24.11	W	22.96	29.56	25.51	27.30
December	W	W	-	22.58	29.38	14.41	W	20.41	25.32	16.17	21.87
1990 Average	W	21.29	-	19.25	22.52	20.48	23.43	19.55	19.93	18.96	20.45
1991											
January	W	W	-	19.39	24.68	12.69	W	17.04	21.22	16.04	19.45
February	W	20.82	-	13.62	20.48	14.06	W	14.50	17.12	14.56	16.73
March	W	W	-	13.59	19.44	W	24.50	14.90	16.18	15.21	16.47
April	W	16.80	-	15.34	19.12	15.51	W	15.38	16.90	16.01	16.98
May	W	W	W	15.24	19.30	15.05	W	14.79	16.95	15.64	16.65
June	W	16.77	-	14.65	18.38	14.88	W	13.54	16.33	15.54	16.10
July	W	W	W	15.25	19.44	W	19.45	14.85	17.44	15.52	16.73
August	W	W	W	15.45	20.03	15.74	W	14.97	17.75	16.33	17.11

^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.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

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

Table 22. Landed Costs of Imported Crude Oil
(Dollars per Barrel)

Year Month	Selected Countries									OPEC		
	Algeria	Canada	Indonesia	Iran	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Other Countries	Arab OPEC ^a	Total OPEC ^b
1978 Average	14.93	14.41	14.65	13.89	13.56	14.88	13.94	14.53	12.84	14.58	14.36	14.34
1979 Average	21.88	20.22	20.63	24.21	20.77	22.97	18.95	22.97	17.65	22.86	20.79	21.2 ^c
1980 Average	37.92	30.11	33.92	NA	31.77	37.15	29.80	35.68	25.92	36.15	32.97	33.56
1981 Average	40.46	32.32	37.31	-	33.70	39.66	34.20	37.29	29.91	38.54	36.22	36.60
1982 Average	35.35	27.15	36.70	32.46	28.63	36.16	34.99	34.25	24.93	34.03	35.15	34.81
1983 Average	31.26	25.63	31.57	29.81	25.78	30.85	29.27	30.87	22.94	29.68	29.87	29.84
1984 Average	29.06	26.56	30.87	28.70	26.85	30.36	29.20	29.45	25.19	29.21	29.10	29.06
1985 Average	27.51	25.71	28.67	25.79	25.63	28.96	24.72	28.36	24.43	27.33	25.90	26.86
1986 Average	14.82	13.43	14.63	12.38	12.17	15.29	12.84	14.63	11.52	14.25	13.14	13.46
1987 Average	17.87	17.04	18.49	18.28	16.69	19.32	16.81	18.78	15.76	18.30	17.32	17.64
1988 Average	W	13.50	15.15	W	12.58	15.88	13.37	15.82	13.66	14.45	13.60	14.18
1989												
January	W	14.47	16.30	-	14.48	17.54	15.90	17.17	14.05	15.88	15.73	15.98
February	W	14.97	17.86	-	14.55	18.19	16.60	17.88	14.62	17.22	16.52	16.74
March	W	15.88	18.67	-	15.37	19.32	17.00	17.90	17.30	18.34	17.33	17.80
April	22.13	17.42	19.11	-	17.78	20.53	18.95	20.00	18.45	19.36	18.90	19.23
May	W	17.81	19.37	-	17.35	19.65	17.43	20.04	17.32	18.79	17.58	18.15
June	W	17.69	18.92	-	16.99	18.90	16.84	18.74	16.13	17.96	17.01	17.45
July	W	17.89	18.92	-	16.84	18.68	16.72	18.81	15.13	17.44	16.73	17.13
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	17.44	17.70	-	16.52	19.82	17.90	18.71	16.13	18.27	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	17.49	19.20	-	18.01	20.98	19.28	20.32	20.16	19.84	19.52	19.93
1989 Average	19.13	16.81	18.35	-	16.35	19.19	17.34	18.74	16.78	18.08	17.41	17.78
1990												
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	18.04	19.89	16.68	17.40	18.57	19.85	19.01
August	W	21.26	20.23	-	21.50	26.71	28.72	23.80	25.08	23.23	26.94	26.31
September	W	27.80	25.50	-	27.38	33.41	29.83	30.26	28.56	29.46	29.89	30.09
October	W	31.04	36.61	-	29.61	37.72	30.46	33.75	27.00	34.51	30.75	31.08
November	W	28.60	W	-	27.69	34.55	27.25	W	23.77	30.42	27.51	28.19
December	W	23.60	28.53	-	23.00	30.45	21.05	W	21.30	27.59	21.49	23.38
1990 Average	W	20.51	22.42	-	19.63	23.38	21.89	22.68	20.31	20.55	20.71	21.28
1991												
January	W	20.81	W	-	19.98	26.00	18.56	W	18.35	24.07	18.98	20.21
February	W	17.05	22.61	-	14.23	21.66	16.15	W	15.76	19.42	16.26	17.43
March	W	15.20	20.03	-	14.15	20.60	17.07	25.77	16.18	18.59	17.22	17.88
April	W	16.26	18.80	-	15.85	20.31	17.65	20.56	16.34	18.76	17.75	18.22
May	W	16.28	W	W	15.81	20.50	17.29	20.21	15.85	19.55	17.45	17.99
June	W	16.22	18.25	-	15.16	19.78	16.95	19.35	14.54	18.36	17.10	17.36
July	W	17.20	17.70	W	15.85	20.68	17.32	20.41	15.92	18.78	17.47	17.86
August	W	17.60	W	W	15.69	21.06	17.59	20.69	15.98	19.24	17.78	18.21

^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

Dashes (-) : No data reported.

NA : Not available

W : Withheld to avoid disclosure of individual company data

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

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

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

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

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
1978 Average	11.98	11.74	12.51	13.06	13.62	14.00	14.01
1979 Average	14.43	18.54	19.91	19.54	21.24	21.65	19.77
1980 Average	23.09	28.76	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	31.46	33.56	34.29	34.82	34.48
1983 Average	21.77	24.27	27.38	29.04	29.74	30.10	30.12
1984 Average	24.10	25.31	27.22	28.55	29.18	29.40	28.02
1985 Average	23.45	24.27	24.86	26.46	27.43	27.79	26.90
1986 Average	10.51	10.96	12.25	12.83	13.83	14.19	13.76
1987 Average	15.21	15.37	15.76	17.24	17.99	18.03	17.37
1988 Average	11.92	11.65	12.48	13.82	14.38	14.89	15.25
1989							
January	11.41	12.48	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	17.88	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	17.48	18.46	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	19.23	19.63	19.37	20.76
1989 Average	14.00	14.89	16.95	17.50	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	16.28	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	18.04	18.12	17.48	18.38	16.52
August	19.06	20.21	25.01	26.11	24.44	25.86	25.34
September	23.13	25.60	27.96	31.01	31.79	33.80	33.83
October	21.96	26.78	31.13	31.74	35.54	40.10	37.54
November	21.30	24.44	27.46	28.16	32.18	W	W
December	17.67	20.74	21.06	22.16	28.80	W	28.28
1990 Average	15.99	18.00	20.67	20.75	22.21	22.78	22.28
1991							
January	15.27	16.98	19.00	20.56	24.34	23.03	24.81
February	11.50	12.40	16.07	16.57	20.55	19.08	19.88
March	11.94	11.99	16.02	16.18	19.09	18.89	18.94
April	11.82	13.13	16.70	17.25	18.95	19.27	19.55
May	10.94	13.43	16.17	16.83	19.32	19.61	19.43
June	10.72	12.86	15.75	16.97	18.42	18.09	19.44
July	12.17	13.72	16.30	17.48	19.68	19.23	W
August	11.76	14.13	16.51	18.05	20.10	19.26	W

^a FOB = Free on Board. See Glossary.

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

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

Year or Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
1978 Average	12.75	13.11	13.76	14.10	14.69	14.87	15.16
1979 Average	15.57	20.05	20.88	21.01	22.61	23.06	21.23
1980 Average	24.54	29.65	31.83	31.73	35.81	36.85	37.57
1981 Average	27.94	32.00	34.86	35.71	38.36	39.78	39.97
1982 Average	24.17	26.46	32.62	34.76	35.43	35.78	35.81
1983 Average	23.17	24.95	28.62	30.25	30.96	31.28	31.27
1984 Average	25.08	25.97	28.38	29.58	30.16	30.16	29.05
1985 Average	24.33	24.65	26.17	27.10	28.29	28.39	27.73
1986 Average	11.30	11.49	13.28	13.59	14.99	14.80	15.37
1987 Average	18.14	15.87	17.21	18.16	18.72	18.89	18.57
1988 Average	12.75	12.11	13.54	14.35	15.21	15.74	16.24
1989							
January	12.54	13.02	15.42	15.99	16.83	16.62	16.97
February	12.68	13.20	16.68	16.83	17.59	18.05	17.42
March	14.41	14.72	17.58	17.97	18.39	19.67	19.25
April	15.69	16.72	18.89	19.45	19.94	19.88	19.99
May	15.34	16.46	17.90	18.45	19.57	19.52	19.82
June	15.58	15.92	17.75	17.53	18.58	19.67	19.15
July	15.28	15.78	17.29	17.34	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	17.02	17.35	18.32	18.42	19.21
October	15.06	15.61	17.81	18.04	19.22	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	19.91	20.35	21.07	21.38
1989 Average	14.90	15.42	17.59	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	18.39	18.65	18.63	19.06	18.73
August	19.83	20.91	25.37	25.87	24.96	26.78	25.44
September	24.13	26.34	29.01	29.92	31.43	34.19	33.20
October	22.71	27.63	31.44	31.55	35.68	40.37	38.58
November	22.22	25.02	28.27	28.74	32.45	32.94	31.91
December	18.66	20.96	22.64	23.82	28.45	W	29.99
1990 Average	16.84	18.55	21.66	21.20	22.49	23.48	23.59
1991							
January	16.53	17.71	20.62	20.81	24.77	24.34	26.56
February	12.87	12.96	16.23	17.77	20.92	21.07	22.26
March	13.31	12.69	16.94	17.67	19.95	20.24	20.63
April	12.85	13.76	17.62	18.29	20.00	20.37	21.04
May	12.26	14.08	16.81	18.29	20.22	20.82	21.33
June	11.80	13.76	16.62	18.05	19.58	19.65	20.69
July	13.42	14.36	17.05	18.40	20.36	20.57	21.92
August	12.98	14.80	17.58	18.86	20.73	20.55	21.84

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

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
1978 Average	1.26	3.57	7.93	38.79	31.66	13.48	3.31
1979 Average	1.65	3.96	8.45	38.98	30.64	13.36	2.96
1980 Average	1.70	6.18	9.25	38.43	27.02	13.56	3.85
1981 Average	2.19	8.88	9.46	37.37	26.60	12.53	2.98
1982 Average	3.39	14.90	11.72	35.58	23.76	8.44	2.20
1983 Average	3.91	20.40	15.14	24.95	23.63	7.74	4.23
1984 Average	6.48	20.52	11.59	21.05	25.75	8.12	6.48
1985 Average	7.62	20.46	11.19	27.14	24.93	4.02	4.65
1986 Average	5.54	19.36	14.12	27.49	25.74	3.65	4.11
1987 Average	4.04	19.68	16.88	26.91	24.79	3.87	3.85
1988 Average	3.52	18.27	15.99	30.72	24.45	4.04	3.02
1989							
January	2.67	13.77	14.84	34.97	26.49	4.58	2.68
February	2.19	15.76	16.94	31.52	26.41	4.33	2.84
March	3.58	15.60	16.04	36.17	21.49	4.79	2.32
April	3.12	15.47	15.85	35.03	24.44	2.84	3.26
May	1.97	14.97	15.53	39.14	21.38	4.18	2.83
June	3.20	14.63	17.47	36.82	22.73	3.11	2.04
July	2.27	14.51	13.74	40.75	24.65	2.47	1.62
August	1.83	14.95	18.18	35.97	21.88	4.91	2.28
September	2.57	12.57	18.42	36.13	24.74	2.81	2.76
October	3.19	13.67	19.44	34.54	22.30	3.12	3.74
November	1.91	14.33	16.81	37.75	23.92	1.86	3.42
December	2.20	12.89	17.87	35.31	26.05	3.76	1.92
1989 Average	2.55	14.39	16.80	36.27	23.79	3.55	2.64
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	3.16	13.58	15.91	39.96	22.74	2.25	2.41
August	4.16	14.45	20.22	33.59	20.23	4.11	3.24
September	4.76	16.93	17.75	35.50	19.67	3.04	2.36
October	4.86	20.04	21.06	29.92	19.67	2.24	2.21
November	4.80	17.01	23.94	30.10	21.05	1.43	1.65
December	3.43	17.99	19.01	34.23	22.60	W	W
1990 Average	3.68	14.90	18.18	34.51	23.25	2.95	2.53
1991							
January	3.89	17.58	21.17	37.07	16.42	1.85	2.02
February	3.92	15.53	21.24	35.73	20.89	1.80	.89
March	4.00	16.30	20.03	33.13	23.43	.64	2.46
April	3.27	13.94	19.39	37.96	22.34	.78	2.32
May	2.93	15.07	17.43	34.75	26.60	1.19	2.02
June	4.20	15.94	21.37	35.01	18.42	3.77	1.27
July	4.59	14.89	21.70	34.64	21.18	2.05	.95
August	4.14	17.82	22.37	32.68	19.97	2.26	.76

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

Year Quarter Month	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 Average	W	13.32	-	W	12.87	13.24	-
1979 Average	W	20.35	-	W	27.59	20.29	21.50
1980 Average	35.81	33.24	W	35.92	34.51	32.78	28.73
1981 Average	38.38	35.55	W	37.51	32.66	36.23	30.82
1982 Average	32.58	31.86	W	33.73	32.36	32.50	25.29
1983 Average	29.86	28.14	24.54	29.03	28.22	29.41	23.99
1984 Average	27.77	27.58	24.70	28.56	28.16	29.00	25.35
1985 Average	26.57	26.30	23.79	26.86	26.12	27.25	24.23
1986 Average	13.25	13.39	12.77	13.64	13.32	13.88	10.93
1987 Average	16.66	17.31	15.12	W	16.53	17.94	15.72
1988 Average	W	14.52	11.28	14.28	12.96	14.23	11.26
1989 Average	W	17.15	W	17.46	16.26	W	14.71
1990							
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	-	14.63	10.77
July	W	-	14.87	-	W	15.50	11.42
August	W	-	21.62	-	W	25.65	19.65
September	W	-	26.44	-	-	30.75	24.52
3rd Quarter Average	W	-	20.79	-	W	24.61	18.29
October	W	-	27.91	-	-	35.24	26.45
November	W	-	23.78	-	-	29.81	24.55
December	W	-	20.04	-	-	24.52	20.81
4th Quarter Average	W	-	23.69	-	-	30.16	24.05
1990 Average	W	W	18.50	W	W	23.39	17.26
1991							
January	W	-	16.66	-	-	22.24	16.82
February	W	-	12.43	-	W	16.66	11.38
March	W	-	10.93	-	-	16.50	11.40
1st Quarter Average	W	-	13.85	-	W	18.97	13.08
April	W	-	12.80	-	W	17.85	12.82
May	W	-	W	W	W	18.21	12.85
June	W	W	W	-	W	17.52	12.47
2nd Quarter Average	W	W	12.44	W	16.64	17.87	12.72
July	W	-	14.51	W	W	18.36	13.41
August	-	-	14.20	W	W	18.61	13.16

See footnotes at end of table.

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

Year Quarter Month	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 Average	14.17	14.11	13.91	12.74	12.07	-	W
1979 Average	21.89	25.68	21.36	17.33	15.83	21.92	W
1980 Average	35.57	37.71	35.86	27.79	26.14	33.13	18.56
1981 Average	38.64	38.19	37.72	32.62	31.42	36.22	W
1982 Average	35.18	35.58	34.04	34.08	31.10	33.55	19.00
1983 Average	30.31	30.07	29.73	29.22	26.30	30.30	19.31
1984 Average	29.82	29.67	29.17	29.11	26.52	29.25	22.24
1985 Average	28.23	W	W	23.70	W	27.88	21.94
1986 Average	14.07	14.02	16.23	11.79	11.00	14.07	9.44
1987 Average	18.32	18.45	18.25	14.46	14.85	18.37	15.75
1988 Average	15.39	15.33	14.58	12.98	11.68	14.40	12.29
1989 Average	18.42	18.58	17.80	18.28	W	18.38	12.27
1990							
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	17.20	W	-	W	15.15	8.92
August	24.83	26.88	W	-	W	W	W
September	W	33.60	-	-	W	W	19.34
3rd Quarter Average	27.53	23.95	W	-	W	W	14.48
October	W	W	-	W	28.02	W	17.08
November	W	33.79	-	-	23.84	W	W
December	W	30.74	-	W	W	W	-
4th Quarter Average	W	33.36	-	26.82	20.31	W	17.15
1990 Average	23.47	22.67	W	21.72	19.78	29.33	12.15
1991							
January	W	24.56	-	W	W	W	W
February	W	21.42	-	W	W	W	W
March	-	19.55	-	W	W	W	W
1st Quarter Average	W	21.64	-	15.40	W	W	10.19
April	W	19.17	W	W	W	W	9.79
May	W	19.24	W	W	W	W	8.90
June	W	18.61	-	W	W	W	W
2nd Quarter Average	19.50	18.93	W	16.88	W	19.34	8.95
July	W	19.81	W	W	W	W	W
August	-	20.20	W	W	W	W	7.54

^a FOB = Free on Board. See Glossary.

Dashes (-) = No data reported.

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

Year Quarter Month	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 Average	W	14.07	-	W	13.85	13.54	-
1979 Average	W	21.51	-	25.40	29.17	20.78	22.23
1980 Average	37.73	34.68	W	37.89	34.61	33.42	29.49
1981 Average	40.03	36.84	W	38.95	33.56	36.87	31.52
1982 Average	33.71	33.08	W	34.95	32.97	33.11	25.86
1983 Average	30.79	29.31	25.27	30.28	28.90	30.00	24.56
1984 Average	28.59	28.63	25.35	29.51	28.79	29.46	25.84
1985 Average	27.21	27.48	24.38	27.94	26.97	27.60	24.57
1986 Average	14.54	14.27	13.52	13.71	14.39	14.28	11.24
1987 Average	17.72	18.43	15.98	18.63	17.60	18.32	16.03
1988 Average	W	14.96	12.21	15.21	13.77	14.69	11.65
1989 Average	W	18.15	15.36	18.71	17.69	W	15.14
1990							
January	W	W	W	-	W	W	16.82
February	W	W	W	W	19.99	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	28.47	26.16	20.10
September	W	W	27.61	W	31.92	31.26	24.98
3rd Quarter Average	W	W	21.93	W	25.23	25.20	18.82
October	W	-	28.99	-	W	35.50	26.99
November	W	W	24.94	-	W	30.37	25.05
December	W	W	21.21	-	W	25.02	21.29
4th Quarter Average	W	W	24.83	-	28.32	30.81	24.55
1990 Average	W	20.01	19.55	19.76	21.67	23.82	17.72
1991							
January	W	-	17.68	-	W	22.99	17.60
February	W	-	13.52	-	17.45	17.48	12.05
March	W	W	11.99	-	17.69	17.19	12.05
1st Quarter Average	W	W	14.87	-	17.93	19.72	13.85
April	W	W	13.89	-	18.24	18.51	13.42
May	W	W	W	W	17.38	18.76	13.42
June	W	18.42	W	-	16.77	18.17	13.04
2nd Quarter Average	W	18.39	13.57	W	17.28	18.49	13.29
July	W	W	15.68	W	W	18.86	13.83
August	-	W	15.37	W	W	19.02	13.64

See footnotes at end of table.

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

Year Quarter Month	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 Average	14.97	15.04	14.68	14.04	13.32	-	W
1979 Average	23.19	27.11	22.64	19.18	17.68	23.26	W
1980 Average	37.02	38.58	36.91	29.57	28.16	34.57	20.34
1981 Average	40.01	39.25	38.70	34.32	33.02	37.58	W
1982 Average	36.26	36.45	34.70	35.65	32.64	34.53	20.32
1983 Average	31.44	31.06	30.79	30.95	28.12	31.26	20.69
1984 Average	30.71	30.46	29.99	30.61	28.10	29.89	23.20
1985 Average	29.14	28.98	28.16	25.35	23.69	28.49	22.85
1986 Average	14.89	15.00	15.07	13.06	12.17	14.64	10.42
1987 Average	19.39	19.26	18.96	17.88	16.20	18.71	16.65
1988 Average	16.06	16.02	15.45	14.04	12.80	15.84	13.23
1989 Average	19.34	19.38	18.67	17.96	16.56	18.83	13.16
1990							
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	19.82	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	18.19	W	21.00	22.54	17.45	10.00
August	25.97	27.84	W	29.70	28.06	25.68	W
September	34.89	34.34	-	31.68	26.98	29.11	21.05
3rd Quarter Average	28.55	24.75	W	26.95	26.90	24.68	15.78
October	W	W	-	31.38	28.10	W	18.36
November	W	34.78	-	28.20	25.52	W	W
December	W	31.65	-	24.61	17.72	W	-
4th Quarter Average	W	34.30	-	28.13	23.50	W	18.77
1990 Average	24.29	23.21	21.53	22.54	21.69	24.46	13.43
1991							
January	W	25.97	-	19.30	15.72	W	W
February	W	22.49	-	17.52	14.38	W	W
March	-	20.61	-	18.17	15.25	W	W
1st Quarter Average	W	22.64	-	18.39	15.05	W	11.81
April	W	20.17	W	18.53	15.96	W	11.84
May	W	20.60	W	18.30	15.31	20.24	10.46
June	W	19.93	-	18.14	15.30	W	W
2nd Quarter Average	20.74	20.21	W	18.30	15.51	20.35	10.50
July	W	21.08	W	18.70	15.58	20.52	W
August	-	21.09	W	18.95	16.04	20.69	9.27

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

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

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

Sales Prices of Petroleum Products

Table 28. Refiner/Reseller Motor Gasoline Prices by Grade
(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 1991	78.1	68.8	79.3	70.8	86.8	77.2	93.4	82.7	82.4	73.5
July 1991	76.0	64.6	77.4	67.4	85.0	73.9	91.5	79.4	80.5	70.1
August 1990	96.6	86.9	92.1	83.5	98.1	88.5	106.5	95.8	95.4	86.4
PAD District I Average										
August 1991	81.0	79.2	79.6	72.8	87.9	77.8	96.2	85.4	84.2	76.5
July 1991	82.0	77.3	78.6	69.4	86.7	74.7	95.0	82.4	83.1	73.2
August 1990	98.8	89.9	89.7	84.1	98.0	88.6	106.3	96.6	94.5	88.0
Subdistrict IA Average										
August 1991	94.1	83.7	88.9	77.4	95.7	81.9	103.1	89.9	92.9	81.1
July 1991	91.4	77.8	87.4	72.7	94.3	79.5	101.9	87.7	91.5	76.8
August 1990	104.0	90.8	95.6	85.0	103.6	90.7	112.3	99.9	100.1	89.4
Connecticut										
August 1991	-	-	86.9	76.6	93.7	81.0	102.9	89.8	91.8	80.7
July 1991	-	-	85.4	72.7	92.7	79.7	101.7	87.6	90.5	77.5
August 1990	109.7	W	95.6	84.1	103.2	90.1	111.9	99.4	101.0	89.0
Maine										
August 1991	-	-	92.5	75.0	101.0	78.7	107.7	85.8	96.1	77.3
July 1991	-	-	90.2	69.3	99.2	75.0	104.6	82.3	93.7	71.9
August 1990	-	W	98.9	84.0	106.2	88.2	115.2	97.2	102.6	87.0
Massachusetts										
August 1991	96.3	-	87.6	78.5	94.5	83.7	101.7	90.7	91.8	82.4
July 1991	91.9	W	86.5	73.7	93.3	81.2	101.1	89.5	90.8	78.1
August 1990	94.7	W	93.7	85.2	102.7	91.5	111.4	100.7	98.5	89.7
New Hampshire										
August 1991	W	-	89.6	79.4	96.7	83.6	104.8	92.3	93.5	82.6
July 1991	W	-	87.7	76.3	94.9	80.1	103.7	88.7	91.9	79.4
August 1990	W	89.0	96.0	86.7	103.8	91.4	113.1	101.2	100.5	90.7
Rhode Island										
August 1991	-	-	87.6	76.1	93.7	80.5	100.2	88.6	91.6	79.9
July 1991	-	-	86.3	70.4	92.0	76.8	98.8	84.7	90.3	74.3
August 1990	102.3	W	93.4	84.8	102.2	89.8	108.9	98.9	98.0	89.5
Vermont										
August 1991	92.2	83.7	91.6	80.6	97.0	84.2	105.3	92.2	94.9	83.7
July 1991	91.0	80.7	90.3	78.1	95.7	81.5	103.2	90.0	93.5	81.2
August 1990	W	95.1	98.9	90.5	104.4	96.7	114.1	104.8	102.6	95.1
Subdistrict IB Average										
August 1991	89.7	80.4	80.8	72.8	89.0	78.3	97.4	86.2	85.3	77.0
July 1991	90.7	79.9	80.3	69.7	88.1	75.6	96.4	83.5	84.7	74.1
August 1990	103.2	89.7	89.7	84.1	98.2	88.6	106.1	96.8	94.6	88.4
Delaware										
August 1991	NA	-	80.7	71.0	89.8	74.5	99.3	81.7	86.2	73.9
July 1991	W	-	78.9	69.7	88.3	73.5	96.8	80.4	84.4	72.7
August 1990	-	-	89.0	80.5	98.0	85.2	110.4	93.3	95.2	84.4
District of Columbia										
August 1991	-	-	74.8	73.1	80.0	77.2	89.3	85.8	80.2	79.9
July 1991	-	-	70.9	70.3	74.9	74.6	86.1	83.3	76.2	77.2
August 1990	-	-	81.9	82.5	87.3	87.5	100.9	96.4	88.3	90.1
Maryland										
August 1991	-	-	79.5	73.2	88.9	77.8	96.2	85.7	84.8	77.6
July 1991	-	-	77.5	69.8	86.8	74.3	93.9	82.6	82.6	74.2
August 1990	W	-	89.9	82.6	96.6	87.3	106.2	95.6	95.0	87.4
New Jersey										
August 1991	W	-	80.5	71.8	89.4	79.2	97.3	86.0	86.6	76.1
July 1991	W	-	78.2	67.5	87.0	75.5	94.9	82.1	84.3	72.0
August 1990	W	-	87.4	83.6	98.4	88.8	105.0	95.9	94.6	87.6
New York										
August 1991	91.8	80.7	81.2	74.2	89.1	81.1	97.9	88.9	85.2	79.1
July 1991	92.5	80.5	81.4	72.5	88.8	79.7	97.5	87.6	85.2	77.8
August 1990	102.9	91.1	92.0	85.7	100.8	90.4	107.6	98.4	96.1	90.4
Pennsylvania										
August 1991	88.5	77.9	80.7	72.4	88.8	76.6	97.3	84.1	85.1	75.9
July 1991	89.6	76.9	80.5	69.8	88.2	74.2	96.8	81.4	84.8	73.1
August 1990	102.0	87.9	88.1	84.1	97.2	88.6	105.3	96.7	93.1	88.0
Subdistrict IC Average										
August 1991	77.1	75.4	77.3	71.4	86.1	76.2	94.2	82.7	82.1	74.6
July 1991	77.5	71.5	76.1	68.0	84.8	72.7	93.0	79.3	80.9	71.2
August 1990	91.3	89.6	88.1	83.8	96.5	88.0	105.0	95.2	93.0	87.1

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 1991	W	W	77.7	70.6	86.3	75.3	93.8	83.0	82.8	74.6
July 1991	W	W	76.8	67.2	85.4	71.9	93.1	79.7	81.9	71.3
August 1990	93.0	W	87.6	82.1	96.1	86.6	102.7	94.0	92.7	86.2
Georgia										
August 1991	79.8	-	77.2	72.4	87.2	77.3	95.6	83.4	82.4	75.3
July 1991	79.2	-	76.0	68.4	86.0	73.4	94.3	79.9	81.2	71.5
August 1990	W	W	86.6	84.7	94.9	88.8	103.1	95.6	91.2	87.9
North Carolina										
August 1991	W	W	76.3	71.5	84.8	76.3	93.3	82.0	80.4	74.1
July 1991	W	W	74.7	68.1	83.2	72.6	91.6	78.2	78.8	70.6
August 1990	86.4	89.6	87.8	84.1	96.4	88.5	105.9	95.3	92.5	87.1
South Carolina										
August 1991	W	-	78.0	71.7	86.1	76.7	96.1	82.1	82.1	74.2
July 1991	W	-	76.8	68.2	84.9	73.0	95.0	78.3	81.0	70.7
August 1990	W	W	89.7	84.7	99.0	88.6	109.7	96.6	94.5	87.7
Virginia										
August 1991	75.8	W	76.4	70.4	84.7	75.1	92.7	81.9	81.2	73.8
July 1991	77.9	73.7	74.9	67.6	82.7	72.3	90.9	79.1	79.6	71.0
August 1990	93.1	90.6	88.3	82.9	96.0	87.5	106.2	95.0	93.7	86.8
West Virginia										
August 1991	W	W	83.0	74.1	91.3	80.1	98.0	85.0	86.8	76.9
July 1991	W	W	82.5	71.3	91.2	77.4	97.0	82.2	86.3	74.1
August 1990	91.9	W	93.5	85.9	101.9	89.8	110.9	98.0	97.7	88.9
PAD District II Average										
August 1991	86.9	75.2	80.5	72.0	86.5	77.5	92.7	82.5	82.9	73.9
July 1991	85.3	72.8	77.9	69.2	83.9	73.8	90.2	79.0	80.3	71.0
August 1990	100.4	88.4	93.3	85.2	99.6	89.8	106.6	95.8	95.8	87.0
Illinois										
August 1991	84.9	82.7	79.6	71.6	86.3	79.3	92.7	84.4	82.4	74.3
July 1991	85.7	77.8	76.3	68.5	83.0	74.9	89.2	80.6	79.1	71.1
August 1990	103.7	88.0	92.0	84.8	98.3	89.3	105.1	95.1	94.8	86.8
Indiana										
August 1991	90.5	75.1	79.9	71.4	86.7	76.6	93.1	82.6	82.7	73.5
July 1991	89.2	71.0	78.7	67.7	85.3	73.3	91.9	78.3	81.6	69.9
August 1990	103.7	90.5	92.7	83.4	103.1	89.8	108.6	96.8	96.8	85.8
Iowa										
August 1991	87.9	75.0	83.1	71.9	88.0	76.9	92.1	80.8	84.2	72.8
July 1991	85.3	74.9	80.5	70.5	82.6	75.0	88.8	79.6	81.4	71.4
August 1990	97.2	88.6	94.4	87.4	97.4	90.5	105.1	95.4	95.5	88.1
Kansas										
August 1991	84.9	72.0	81.6	69.8	88.6	77.6	93.0	78.4	83.2	70.8
July 1991	81.6	69.8	78.0	68.1	83.6	73.1	88.9	76.0	79.5	69.1
August 1990	99.4	86.3	96.8	83.7	102.7	83.9	105.4	90.5	97.8	84.5
Kentucky										
August 1991	78.8	80.5	80.5	73.9	87.3	78.0	94.6	84.3	84.0	76.3
July 1991	84.6	77.3	78.8	70.7	85.0	74.0	92.5	80.4	82.0	72.8
August 1990	104.0	96.0	94.4	87.6	100.3	91.0	109.7	98.2	97.8	89.9
Michigan										
August 1991	88.6	76.2	78.1	72.1	85.2	76.6	92.3	82.6	80.9	74.1
July 1991	88.1	73.1	75.6	68.8	82.4	73.2	89.2	79.3	78.3	70.8
August 1990	103.6	90.3	92.0	86.1	98.4	90.6	105.7	98.0	94.5	88.2
Minnesota										
August 1991	90.3	77.4	84.5	75.1	90.9	78.3	93.5	84.3	86.2	76.1
July 1991	86.6	74.8	82.4	72.2	87.1	76.1	90.8	80.5	83.8	73.2
August 1990	98.5	89.2	97.5	88.5	100.9	91.2	106.2	96.9	98.5	89.3
Missouri										
August 1991	84.6	75.2	78.4	71.5	85.1	76.6	91.7	80.6	81.0	73.1
July 1991	82.4	74.0	74.4	69.0	81.7	72.4	87.7	77.2	77.2	70.4
August 1990	99.9	87.0	91.9	85.2	98.9	89.3	104.2	94.0	94.5	86.7
Nebraska										
August 1991	83.2	73.6	80.5	72.2	87.4	79.0	90.7	79.9	82.3	72.9
July 1991	82.9	71.3	79.6	70.4	84.6	76.4	87.1	78.1	81.0	71.0
August 1990	99.4	87.3	98.8	86.6	W	W	103.0	94.0	99.4	87.1
North Dakota										
August 1991	89.4	77.0	88.8	74.9	94.2	78.8	94.0	84.2	89.3	75.8
July 1991	88.2	72.1	87.0	72.2	91.7	79.5	95.8	82.2	87.8	72.7
August 1990	104.7	89.6	102.2	87.3	104.1	W	110.5	92.5	103.2	88.0

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
Ohio										
August 1991	88.8	79.6	82.1	72.5	87.5	78.8	93.7	83.7	84.5	74.7
July 1991	87.0	80.5	78.5	69.0	85.4	74.8	92.4	80.0	81.5	71.2
August 1990	101.5	91.3	91.4	85.1	99.9	91.0	109.3	97.9	94.8	87.4
Oklahoma										
August 1991	80.4	72.6	79.5	69.3	84.9	74.0	88.6	77.3	81.4	70.3
July 1991	78.9	71.8	75.7	67.6	80.9	72.1	85.4	75.3	77.6	68.8
August 1990	97.8	86.8	94.3	80.7	98.5	99.9	102.9	91.9	95.8	82.5
South Dakota										
August 1991	86.7	74.0	84.6	73.2	93.8	81.5	96.3	82.0	86.0	74.0
July 1991	85.9	70.4	84.0	70.9	91.5	78.4	93.3	79.6	85.1	71.5
August 1990	99.5	88.7	100.6	86.9	-	W	110.8	95.9	101.2	87.8
Tennessee										
August 1991	W	W	75.7	72.5	84.8	77.2	92.5	83.4	80.3	75.2
July 1991	W	W	73.8	68.4	83.0	73.1	90.2	79.2	78.4	71.2
August 1990	93.5	82.6	87.9	84.6	96.6	88.7	105.6	95.8	92.3	87.4
Wisconsin										
August 1991	90.8	77.6	81.4	72.4	85.5	75.4	92.5	81.3	83.3	73.8
July 1991	89.8	76.0	80.2	69.7	84.6	73.1	91.7	79.0	82.2	71.2
August 1990	103.9	92.1	94.3	84.7	100.2	88.4	107.9	96.5	96.7	86.6
PAD District III Average										
August 1991	82.6	73.4	79.2	69.6	86.5	76.0	93.4	81.1	82.7	71.8
July 1991	81.7	70.6	77.7	66.1	84.9	72.6	91.8	77.1	81.2	68.3
August 1990	97.1	87.9	90.8	79.2	97.0	87.5	105.0	90.7	94.4	81.8
Alabama										
August 1991	W	-	79.8	71.8	86.4	76.6	95.1	82.8	83.4	74.4
July 1991	W	-	79.0	68.1	85.7	73.2	94.4	78.9	82.7	70.7
August 1990	W	W	94.2	85.0	102.3	89.6	113.2	96.4	99.3	87.8
Arkansas										
August 1991	78.2	76.5	77.3	70.8	84.2	75.1	91.0	79.7	80.0	72.7
July 1991	74.5	74.1	75.6	67.8	82.3	71.7	89.2	76.7	78.0	69.7
August 1990	100.6	85.4	96.8	85.0	103.9	89.1	110.3	94.0	99.4	86.8
Louisiana										
August 1991	84.5	-	78.9	69.9	87.4	76.2	93.8	81.8	83.4	72.6
July 1991	85.6	W	78.0	65.9	86.0	72.9	92.6	77.6	82.2	68.6
August 1990	95.0	83.9	88.6	79.5	94.9	87.3	102.6	88.0	92.7	82.4
Mississippi										
August 1991	W	-	77.9	70.2	85.8	74.8	93.0	81.2	81.7	72.3
July 1991	W	-	77.1	66.7	85.1	71.7	92.1	77.1	80.9	68.8
August 1990	96.3	NA	91.7	83.3	98.7	90.7	108.9	91.7	95.5	86.1
New Mexico										
August 1991	83.6	73.9	83.1	72.9	89.0	76.7	94.2	81.6	84.5	74.0
July 1991	80.9	70.7	80.7	70.1	85.7	75.8	91.6	78.8	82.0	71.1
August 1990	99.0	90.1	97.3	87.9	96.6	W	106.5	95.1	98.4	89.1
Texas										
August 1991	81.5	72.3	79.2	68.8	86.7	76.2	93.2	80.6	82.9	70.9
July 1991	81.6	70.2	77.5	65.4	84.8	72.6	91.3	76.5	81.1	67.4
August 1990	95.3	86.4	88.8	77.2	95.5	86.1	102.4	89.6	92.5	79.5
PAD District IV Average										
August 1991	82.4	72.4	81.2	72.1	85.0	77.0	90.4	79.6	82.8	73.3
July 1991	78.8	67.6	77.2	67.5	80.0	72.0	86.6	75.0	78.9	68.6
August 1990	96.9	87.0	95.8	86.8	96.9	88.2	106.0	93.5	97.4	87.7
Colorado										
August 1991	83.7	73.7	81.3	72.6	85.3	76.2	90.8	80.0	83.4	74.1
July 1991	79.4	70.8	77.4	69.4	81.4	71.9	88.0	76.9	79.6	70.8
August 1990	96.8	88.6	96.2	87.8	96.8	87.5	107.8	94.6	98.0	88.9
Idaho										
August 1991	78.8	71.1	79.3	71.2	80.7	W	89.2	78.7	79.7	71.9
July 1991	75.7	65.1	75.9	65.1	77.7	W	86.5	73.0	76.5	65.8
August 1990	97.3	86.3	96.9	86.7	-	-	107.7	93.9	97.7	87.2
Montana										
August 1991	84.9	72.6	84.6	71.7	W	W	90.5	77.9	85.5	72.7
July 1991	84.1	68.1	83.7	67.4	W	W	90.5	73.8	84.8	68.4
August 1990	100.6	89.2	99.7	88.9	W	W	107.2	94.7	100.9	89.6
Utah										
August 1991	79.8	71.7	78.9	71.6	83.0	78.7	88.3	79.8	80.8	73.0
July 1991	72.4	65.4	71.9	65.3	74.1	71.7	80.4	73.4	73.5	66.8
August 1990	90.3	83.6	89.4	83.7	92.8	W	98.8	90.3	91.1	84.5

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 1991	85.1	74.4	85.1	73.9	94.9	79.7	94.0	81.2	86.3	75.0
July 1991	84.2	70.2	83.6	69.8	92.0	74.3	92.7	77.0	84.9	70.9
August 1990	100.4	88.7	99.6	88.6	101.6	92.5	108.5	96.1	100.9	89.6
PAD District V Average										
August 1991	72.5	66.6	74.0	65.5	73.7	66.4	87.7	77.4	76.1	67.9
July 1991	70.4	62.1	72.2	61.5	71.1	63.4	85.3	74.4	74.1	63.9
August 1990	93.7	86.0	94.3	84.1	90.3	83.4	108.4	98.3	96.4	87.1
Alaska										
August 1991	95.0	75.4	96.6	69.3	114.2	120.1	97.9	83.1	96.7	71.5
July 1991	96.7	74.6	99.4	69.7	103.1	W	97.9	82.8	98.9	71.5
August 1990	127.9	101.3	115.8	99.0	W	-	118.0	107.8	114.9	100.1
Arizona										
August 1991	70.4	63.5	71.0	63.7	77.5	76.1	84.9	74.0	72.9	65.1
July 1991	69.6	60.8	70.6	61.1	78.6	W	84.4	71.6	72.4	62.6
August 1990	89.3	85.3	90.0	84.2	W	W	102.0	96.2	91.7	86.2
California										
August 1991	70.5	65.8	72.3	64.5	70.9	62.8	86.2	76.2	74.7	67.0
July 1991	68.4	61.2	70.2	60.5	68.5	W	83.4	73.4	72.5	63.2
August 1990	93.4	85.6	94.2	83.3	83.6	82.1	109.2	98.1	96.7	86.6
Hawaii										
August 1991	-	-	88.5	84.3	94.2	92.4	101.6	100.6	93.0	90.0
July 1991	-	-	85.2	80.5	89.6	87.8	98.3	96.3	89.6	86.2
August 1990	-	-	96.9	93.9	99.3	99.4	111.9	107.4	101.6	99.4
Nevada										
August 1991	72.4	67.5	75.2	67.4	W	W	90.0	79.0	76.8	69.2
July 1991	70.2	62.8	73.0	63.0	W	73.2	87.5	75.2	74.6	64.8
August 1990	90.0	84.6	93.7	84.8	-	W	107.6	98.0	94.8	86.7
Oregon										
August 1991	77.2	68.6	78.7	68.1	W	W	95.0	80.4	80.2	69.7
July 1991	73.4	62.4	75.9	62.3	W	-	91.6	75.6	77.0	63.8
August 1990	98.2	87.4	99.1	86.0	W	-	111.3	100.0	100.1	88.0
Washington										
August 1991	72.8	67.0	76.0	66.8	W	W	90.0	79.5	77.2	68.8
July 1991	71.2	63.1	74.3	63.3	W	W	88.2	76.5	75.5	65.3
August 1990	92.5	84.9	93.6	84.6	113.8	W	107.4	97.0	95.2	86.5

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: 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 1991	76.3	83.3	79.4	78.7	87.2	83.9	93.8	89.3	82.6	81.1
July 1991	74.5	80.7	77.5	76.4	85.5	81.0	92.1	86.1	80.8	78.5
August 1990	95.5	99.5	92.0	92.7	98.3	96.6	106.7	104.5	95.3	95.7
PAD District I Average										
August 1991	77.9	88.0	79.8	78.4	88.4	84.1	98.9	90.4	84.5	81.7
July 1991	79.2	88.7	78.9	78.0	87.5	81.0	95.9	87.7	83.7	79.2
August 1990	97.3	101.0	89.8	88.5	98.3	95.4	106.8	103.0	94.7	93.1
Subdistrict IA Average										
August 1991	W	92.5	89.9	79.4	97.4	83.9	104.7	89.9	94.1	82.6
July 1991	95.6	89.5	89.1	75.0	96.9	79.6	104.1	85.8	93.4	78.1
August 1990	107.9	100.6	96.1	90.2	104.2	98.5	113.0	105.4	100.6	95.2
Connecticut										
August 1991	-	-	87.4	81.0	94.9	84.5	103.8	95.2	92.5	85.6
July 1991	-	-	86.5	76.4	94.9	79.1	103.4	89.9	91.9	80.2
August 1990	W	W	96.0	91.2	103.7	97.6	112.6	106.9	101.3	98.2
Maine										
August 1991	-	-	93.3	81.9	103.0	88.8	109.0	94.6	97.0	85.7
July 1991	-	-	91.3	79.9	102.1	84.8	106.8	88.8	95.2	82.4
August 1990	-	-	99.5	92.2	107.2	98.9	116.4	105.6	103.2	96.3
Massachusetts										
August 1991	W	98.0	88.9	77.0	96.9	81.3	104.0	85.7	93.4	79.9
July 1991	W	90.2	88.8	71.9	96.6	76.6	104.0	82.0	93.4	74.9
August 1990	W	93.8	94.2	88.1	103.2	98.2	111.9	104.1	99.0	92.9
New Hampshire										
August 1991	-	W	91.0	79.0	97.9	82.3	106.5	88.1	94.9	80.9
July 1991	-	W	90.0	72.1	97.5	75.1	105.9	84.2	94.3	74.5
August 1990	-	W	96.4	89.4	104.3	99.0	113.6	107.0	100.8	95.4
Rhode Island										
August 1991	-	-	88.1	76.1	94.4	82.0	100.6	86.8	92.2	79.5
July 1991	-	-	87.0	72.4	92.9	76.9	99.2	84.3	91.1	75.0
August 1990	W	W	93.5	92.2	102.1	W	109.5	97.2	98.1	96.1
Vermont										
August 1991	NA	89.1	93.0	84.4	99.7	87.9	107.0	95.7	96.6	87.1
July 1991	W	88.7	91.9	82.1	98.5	87.5	105.5	91.7	95.4	85.0
August 1990	W	W	99.6	93.5	105.8	99.2	115.1	106.1	103.5	97.0
Subdistrict IB Average										
August 1991	89.7	89.6	81.1	79.2	90.0	84.4	98.6	91.5	85.9	82.5
July 1991	91.1	90.5	80.9	77.6	89.4	82.2	97.8	89.8	85.5	80.9
August 1990	101.6	105.2	89.8	89.3	98.8	94.9	106.6	103.3	94.8	93.8
Delaware										
August 1991	-	NA	81.1	77.6	90.9	84.5	100.4	91.2	86.9	81.8
July 1991	-	W	79.6	74.2	89.6	81.7	97.9	89.3	85.3	78.9
August 1990	-	-	90.7	78.8	99.3	92.6	111.5	103.2	96.7	86.6
District of Columbia										
August 1991	-	-	W	75.0	W	76.5	W	88.9	W	80.2
July 1991	-	-	W	70.7	W	70.7	W	85.8	W	75.6
August 1990	-	-	W	81.3	W	84.2	W	100.4	W	87.5
Maryland										
August 1991	-	-	80.1	77.3	90.8	84.3	98.2	89.2	85.9	81.4
July 1991	-	-	78.3	74.7	89.4	81.8	95.9	87.2	83.9	78.9
August 1990	W	-	91.2	86.8	98.3	92.6	108.0	101.3	95.6	91.2
New Jersey										
August 1991	-	W	80.9	77.8	90.5	84.4	98.4	91.5	87.2	83.3
July 1991	-	W	78.8	74.6	88.2	80.2	96.0	89.7	85.0	80.4
August 1990	-	W	86.9	81.0	97.6	101.7	104.5	107.3	93.6	99.5
New York										
August 1991	87.0	92.9	81.8	78.2	90.7	79.4	99.5	88.8	86.0	80.6
July 1991	88.5	93.6	82.4	76.0	90.9	77.7	99.6	86.1	86.5	78.3
August 1990	100.0	108.5	92.1	91.1	101.3	92.7	108.3	101.3	96.3	94.2
Pennsylvania										
August 1991	W	85.6	80.7	80.7	89.2	87.1	97.8	94.7	85.3	84.0
July 1991	W	85.6	80.5	80.8	88.9	85.4	97.3	94.2	85.0	84.0
August 1990	W	96.8	87.9	90.0	97.6	94.4	105.6	102.5	93.1	93.2

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 1991	76.5	82.5	77.3	77.3	86.3	83.8	94.7	89.3	82.2	80.6
July 1991	76.9	82.4	76.3	74.7	85.2	80.1	93.6	88.0	81.2	77.7
August 1990	90.5	92.8	88.2	87.6	96.7	95.0	105.4	102.2	93.1	92.1
Florida										
August 1991	W	-	77.7	78.8	86.7	82.7	94.3	86.7	83.0	80.3
July 1991	W	-	77.1	73.2	85.9	78.0	93.8	83.8	82.3	76.5
August 1990	93.0	W	87.8	85.0	96.2	94.1	103.0	98.6	92.9	89.5
Georgia										
August 1991	79.8	-	77.2	77.4	87.4	84.1	96.3	86.5	82.6	80.3
July 1991	79.2	-	76.1	73.9	86.3	81.2	95.1	82.5	81.5	78.7
August 1990	W	-	86.7	85.5	95.0	94.5	103.4	100.2	91.2	91.5
North Carolina										
August 1991	W	W	76.4	75.7	84.9	84.4	93.4	92.2	80.6	79.1
July 1991	W	W	74.8	73.1	83.4	80.4	92.0	86.9	79.1	76.0
August 1990	W	W	87.7	88.0	96.5	95.7	106.0	105.4	92.4	92.6
South Carolina										
August 1991	W	-	77.9	79.4	86.2	82.8	96.5	89.3	82.1	81.2
July 1991	W	-	76.7	78.3	85.0	80.8	95.4	88.9	81.0	80.2
August 1990	W	-	89.7	89.6	99.5	94.5	110.5	101.3	94.7	92.9
Virginia										
August 1991	73.5	88.5	76.1	78.9	84.8	84.4	93.1	90.1	81.1	82.3
July 1991	75.5	89.3	74.7	76.5	82.9	81.0	91.2	88.7	79.5	79.8
August 1990	90.4	94.8	88.3	88.4	96.3	93.8	106.9	101.3	93.9	92.3
West Virginia										
August 1991	W	W	83.4	80.8	91.9	86.3	99.0	93.3	87.2	84.2
July 1991	W	W	83.1	78.1	92.1	83.5	98.5	90.9	87.0	81.9
August 1990	-	91.9	94.0	89.8	102.8	97.0	111.9	106.7	98.2	94.9
PAD District II Average										
August 1991	85.8	88.1	80.4	80.9	86.5	86.2	92.9	90.5	82.9	83.0
July 1991	83.9	87.0	77.7	78.9	84.0	83.7	90.4	87.2	80.3	80.8
August 1990	99.7	101.2	93.1	94.5	99.6	99.5	106.9	104.4	95.7	96.8
Illinois										
August 1991	87.5	83.3	79.4	80.6	86.7	83.2	93.0	89.7	82.5	81.8
July 1991	87.5	83.8	76.1	77.9	83.3	81.0	89.6	85.5	79.1	79.2
August 1990	106.2	100.0	91.9	92.8	98.5	96.1	105.2	104.1	94.8	94.6
Indiana										
August 1991	89.2	90.9	80.0	79.2	86.9	84.7	93.1	93.1	82.7	83.0
July 1991	88.7	89.3	78.8	78.0	85.5	84.0	91.9	91.9	81.5	81.8
August 1990	108.3	102.8	92.5	94.1	103.6	99.0	109.2	105.9	96.5	98.5
Iowa										
August 1991	88.8	87.2	83.6	81.3	87.9	90.0	91.9	92.8	84.6	82.7
July 1991	86.8	83.7	80.1	81.8	81.8	89.8	93.8	89.0	81.0	82.5
August 1990	96.8	97.6	94.2	95.3	97.9	W	104.9	105.9	95.2	96.4
Kansas										
August 1991	86.1	83.6	81.6	82.0	88.5	90.4	93.7	84.6	83.2	82.5
July 1991	81.6	81.7	77.7	80.0	83.5	90.6	89.4	83.7	79.3	80.5
August 1990	98.4	101.1	95.2	103.3	102.8	W	105.9	98.9	96.6	102.7
Kentucky										
August 1991	84.5	W	80.9	78.1	87.5	85.9	95.0	90.9	84.2	81.8
July 1991	85.2	W	79.5	72.5	86.0	78.6	93.6	83.5	82.8	75.5
August 1990	104.5	94.7	94.8	89.7	100.9	95.8	110.5	103.4	98.2	93.6
Michigan										
August 1991	88.2	88.8	78.0	79.8	85.2	85.3	92.5	90.5	80.7	82.8
July 1991	86.5	89.8	75.5	77.8	82.3	83.9	89.3	87.5	78.1	81.0
August 1990	101.6	106.2	92.3	89.7	98.5	98.0	106.1	101.4	94.7	93.2
Minnesota										
August 1991	90.2	90.4	84.3	86.2	91.0	90.6	93.6	93.0	86.0	87.5
July 1991	85.5	87.5	82.1	84.1	86.5	91.8	90.7	91.5	83.6	85.3
August 1990	98.2	99.0	97.1	100.0	103.5	NA	106.2	105.4	98.3	99.7
Missouri										
August 1991	83.9	87.4	78.3	78.8	84.7	89.0	91.7	91.7	81.0	81.1
July 1991	81.6	84.6	74.2	77.1	81.1	88.5	87.6	92.3	77.0	79.8
August 1990	97.6	103.9	91.7	94.5	98.6	101.7	104.3	100.2	94.2	97.2

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
Nebraska										
August 1991	83.8	81.4	80.8	78.6	87.6	W	90.5	NA	82.7	80.5
July 1991	83.3	81.9	79.8	78.3	84.9	W	87.0	NA	81.2	79.7
August 1990	99.6	98.6	98.6	99.2	W	-	103.0	W	99.5	99.2
North Dakota										
August 1991	89.9	89.1	89.3	87.9	94.8	93.1	93.5	99.0	89.8	88.4
July 1991	90.3	87.0	89.1	83.2	92.8	90.3	96.0	94.1	89.8	84.4
August 1990	105.8	104.3	103.7	100.5	107.3	102.3	108.8	113.4	104.3	102.3
Ohio										
August 1991	87.7	89.3	82.4	79.5	87.7	85.4	94.2	89.3	84.7	82.1
July 1991	86.5	87.2	78.6	77.0	85.6	82.5	92.9	86.9	81.7	79.5
August 1990	102.9	100.4	91.4	92.1	99.5	103.7	109.8	106.1	94.6	96.4
Oklahoma										
August 1991	80.5	80.0	79.8	77.4	84.9	85.4	88.9	86.0	81.6	79.3
July 1991	78.7	80.0	75.8	74.6	80.6	84.6	85.3	86.3	77.7	76.8
August 1990	97.8	97.7	94.5	91.8	98.6	96.2	103.4	98.9	96.0	94.2
South Dakota										
August 1991	86.4	87.4	84.7	84.2	93.2	95.0	97.4	93.1	86.2	85.5
July 1991	85.2	86.9	83.9	84.2	91.3	W	94.5	90.4	85.1	85.3
August 1990	102.0	95.3	103.3	93.4	-	-	111.0	105.8	103.9	94.0
Tennessee										
August 1991	W	-	75.2	79.3	84.4	87.4	92.7	91.6	79.9	82.9
July 1991	W	-	73.6	75.4	83.0	83.0	91.1	85.4	78.3	78.6
August 1990	93.5	-	87.6	91.3	96.5	97.9	105.7	104.3	92.2	94.2
Wisconsin										
August 1991	88.8	92.7	81.4	81.4	85.3	86.3	92.6	90.6	83.3	83.7
July 1991	87.8	92.0	80.2	80.1	84.4	85.5	91.8	89.3	82.1	82.5
August 1990	103.4	104.6	94.3	94.4	99.1	104.0	107.7	109.2	96.6	97.2
PAD District III Average										
August 1991	82.6	82.1	79.5	76.4	87.1	80.0	94.2	85.5	83.2	78.5
July 1991	81.7	81.6	78.2	73.8	85.8	77.3	92.8	82.6	81.8	75.8
August 1990	96.7	99.7	90.8	90.6	97.2	95.0	105.5	98.8	94.6	92.7
Alabama										
August 1991	W	-	80.1	76.7	86.8	83.5	95.3	92.0	83.7	80.1
July 1991	W	-	79.5	75.4	86.3	80.7	95.1	85.9	83.3	77.5
August 1990	W	-	94.6	89.8	102.6	97.1	114.2	104.2	99.7	94.2
Arkansas										
August 1991	79.5	W	77.2	78.5	84.4	79.6	91.4	87.4	80.1	79.4
July 1991	77.7	W	75.6	76.3	82.3	82.3	90.0	83.1	78.0	77.8
August 1990	100.7	W	95.7	105.0	102.4	116.2	110.3	110.1	98.6	106.6
Louisiana										
August 1991	84.5	-	79.1	76.1	87.8	81.2	94.5	87.7	83.6	80.3
July 1991	85.6	-	78.4	72.5	86.8	76.5	93.6	83.1	82.8	75.9
August 1990	95.1	W	88.1	92.0	94.8	95.5	102.6	102.2	92.5	94.8
Mississippi										
August 1991	W	-	78.0	76.6	86.2	81.3	93.5	88.1	81.8	79.8
July 1991	W	-	77.4	74.2	85.5	78.9	92.8	86.9	81.2	77.7
August 1990	97.6	NA	91.7	91.9	98.6	100.5	109.3	103.0	95.6	94.3
New Mexico										
August 1991	83.3	85.1	83.3	81.3	89.2	84.0	95.0	88.6	84.7	82.9
July 1991	80.7	82.0	81.0	78.3	85.9	79.9	92.5	85.2	82.3	79.8
August 1990	97.8	103.0	97.2	97.7	96.5	W	107.3	101.7	98.1	99.9
Texas										
August 1991	82.0	77.5	79.7	75.6	87.6	78.9	94.3	83.4	83.6	77.3
July 1991	81.5	82.3	78.1	72.9	85.9	76.3	92.4	80.8	81.9	74.7
August 1990	95.2	95.9	89.1	86.1	95.9	89.8	103.0	94.0	92.9	88.0
PAD District IV Average										
August 1991	82.0	83.4	81.1	81.5	84.9	86.8	90.9	86.9	82.9	82.7
July 1991	78.4	79.6	77.0	78.0	79.9	82.3	87.0	83.7	78.9	79.0
August 1990	96.2	98.7	95.9	94.9	96.2	103.6	106.7	101.4	97.5	96.9
Colorado										
August 1991	82.9	85.8	81.3	81.6	85.3	W	91.3	86.5	83.4	83.2
July 1991	79.1	80.5	77.1	79.0	81.4	W	88.3	85.0	79.5	80.1
August 1990	96.0	100.5	96.5	94.0	96.5	W	108.5	101.0	98.2	96.7

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 1991	78.4	79.6	78.9	80.1	81.3	W	89.1	89.3	79.5	80.2
July 1991	76.2	74.9	76.3	75.1	77.7	W	86.7	85.6	77.1	75.5
August 1990	98.0	96.6	98.1	95.6	-	-	108.6	106.6	98.7	96.6
Montana										
August 1991	83.9	86.0	83.8	86.6	-	W	90.5	90.8	84.7	86.9
July 1991	83.9	84.4	83.6	84.1	-	W	90.7	89.4	84.6	85.1
August 1990	99.6	101.7	99.8	99.3	-	W	107.3	106.7	100.8	101.3
Utah										
August 1991	80.0	78.1	79.0	77.0	83.1	81.5	88.8	83.4	81.0	78.6
July 1991	72.5	72.2	71.9	71.3	74.3	72.8	81.0	75.3	73.6	72.2
August 1990	90.3	90.8	89.7	85.0	92.9	W	99.5	90.6	91.4	87.2
Wyoming										
August 1991	85.9	83.0	86.0	82.1	W	W	95.2	88.4	87.3	83.0
July 1991	85.0	82.5	84.5	80.7	W	W	94.0	85.9	85.9	81.7
August 1990	101.5	96.7	100.7	95.0	W	W	110.6	98.8	102.2	96.0
PAD District V Average										
August 1991	71.3	78.3	73.8	75.1	73.4	75.4	87.6	88.5	75.8	77.4
July 1991	69.6	74.5	72.2	72.1	71.1	71.1	85.4	84.0	74.1	74.1
August 1990	92.9	97.1	94.1	95.1	90.3	90.2	107.9	111.0	96.1	98.1
Alaska										
August 1991	94.6	NA	97.5	94.1	W	NA	98.8	89.3	97.3	94.9
July 1991	96.3	NA	99.3	99.7	W	NA	99.0	88.0	98.9	99.0
August 1990	140.0	113.7	116.1	114.5	W	W	118.8	NA	115.1	114.1
Arizona										
August 1991	69.5	74.8	70.7	72.3	76.5	W	84.6	87.6	72.7	73.8
July 1991	69.3	70.7	70.9	69.5	78.6	-	84.0	88.6	72.6	71.2
August 1990	88.7	97.1	89.6	93.9	W	-	101.5	109.6	91.3	96.3
California										
August 1991	68.8	79.5	71.9	74.7	70.9	71.7	86.0	87.7	74.3	77.5
July 1991	67.0	76.0	70.1	70.9	68.6	67.5	83.5	82.0	72.4	73.3
August 1990	92.3	98.0	94.1	94.9	82.6	90.2	108.2	113.3	96.2	98.9
Hawaii										
August 1991	-	-	96.0	74.6	110.4	74.7	111.7	87.4	101.8	78.6
July 1991	-	-	93.6	70.3	106.6	69.1	109.8	82.6	99.5	74.1
August 1990	-	-	103.4	88.2	111.6	88.0	124.0	99.8	109.7	91.9
Nevada										
August 1991	73.3	68.6	76.9	70.3	-	W	90.2	88.2	78.4	71.4
July 1991	70.5	69.0	74.4	69.2	-	W	87.6	86.9	75.9	70.3
August 1990	89.3	94.5	93.3	95.8	-	-	107.6	107.4	94.5	96.3
Oregon										
August 1991	76.3	80.1	78.9	77.5	W	-	95.1	94.1	80.2	79.9
July 1991	72.8	75.3	76.0	74.9	W	-	91.8	90.6	77.1	76.4
August 1990	98.9	95.0	99.8	95.9	W	-	111.6	109.1	100.8	96.5
Washington										
August 1991	72.0	78.2	75.8	77.2	-	W	90.0	90.2	77.0	78.9
July 1991	70.6	74.2	74.4	73.4	-	W	88.4	85.8	75.6	75.2
August 1990	91.3	95.9	93.5	94.1	W	W	108.0	104.8	94.9	96.3

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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 1991	82.0	73.4	73.5	79.6	74.4	69.6	81.4	73.6	72.7	83.5	82.4	75.6
July 1991	80.0	69.9	69.9	77.8	70.7	66.0	79.4	70.1	69.1	81.8	80.0	72.9
August 1990	92.6	85.0	86.1	92.8	84.1	84.0	92.7	84.8	85.6	97.7	98.2	88.8
PAD District I Average												
August 1991	83.3	73.4	76.7	80.6	74.7	71.0	82.9	73.8	76.2	85.4	83.7	77.5
July 1991	82.8	70.4	73.5	80.6	71.0	66.8	82.5	70.6	72.8	84.3	81.3	74.5
August 1990	91.0	84.1	86.9	90.9	87.5	87.4	91.0	85.0	87.0	97.5	95.7	91.0
Subdistrict IA Average												
August 1991	91.2	78.1	81.1	-	W	W	91.2	76.1	80.8	94.6	84.4	81.6
July 1991	90.7	74.6	78.3	-	W	63.5	90.7	70.2	75.9	93.9	81.3	78.8
August 1990	94.3	87.0	89.7	-	W	85.8	94.3	87.3	89.3	101.8	96.9	89.5
Connecticut												
August 1991	W	80.0	80.7	-	W	W	W	78.9	80.1	93.0	87.0	82.5
July 1991	W	76.6	78.1	-	W	W	W	71.0	76.8	92.6	84.2	79.5
August 1990	W	87.3	89.1	-	W	W	W	87.1	89.1	103.1	100.6	88.6
Maine												
August 1991	W	74.5	76.1	-	W	W	W	74.4	76.0	97.1	87.2	79.1
July 1991	W	73.1	71.7	-	W	W	W	70.9	71.2	95.2	83.6	72.6
August 1990	W	85.4	85.6	-	W	W	W	82.8	85.6	103.9	96.9	88.8
Massachusetts												
August 1991	92.8	77.9	83.2	-	W	W	92.8	75.9	82.8	93.6	81.4	81.7
July 1991	92.6	73.9	80.9	-	W	63.2	92.6	70.1	76.9	93.6	77.5	81.2
August 1990	95.4	88.8	91.4	-	W	85.4	95.4	88.4	90.4	100.0	94.6	87.9
New Hampshire												
August 1991	W	71.9	81.8	-	W	W	W	W	81.7	96.0	86.1	83.6
July 1991	W	68.5	78.5	-	W	W	W	W	78.3	95.4	84.1	80.8
August 1990	W	W	88.9	-	W	W	W	82.7	89.0	102.7	100.9	92.7
Rhode Island												
August 1991	89.5	W	80.4	-	W	W	89.5	81.2	80.0	93.0	79.1	79.5
July 1991	88.6	W	77.2	-	W	W	88.6	78.0	73.8	91.7	74.4	76.5
August 1990	95.8	W	89.9	-	W	W	95.8	96.3	89.7	99.4	96.1	88.5
Vermont												
August 1991	-	W	W	-	-	W	-	W	W	96.6	87.4	84.7
July 1991	-	W	W	-	-	W	-	W	77.3	95.4	85.3	83.1
August 1990	W	W	W	-	-	W	W	W	89.6	103.7	97.5	96.8
Subdistrict IB Average												
August 1991	85.8	W	W	82.5	76.6	71.3	85.3	74.3	77.4	86.4	84.1	75.9
July 1991	85.5	W	75.4	83.6	75.0	68.5	85.1	72.9	74.8	85.7	82.1	72.2
August 1990	91.0	W	87.6	92.2	88.7	88.8	91.2	87.1	87.7	99.0	95.7	90.9
Delaware												
August 1991	W	71.4	75.1	-	-	W	W	71.4	74.7	85.8	83.1	72.6
July 1991	W	W	73.3	-	-	68.1	W	W	72.9	84.4	80.0	72.5
August 1990	W	W	83.5	-	-	W	W	W	83.6	95.8	87.1	87.9
District of Columbia												
August 1991	-	72.1	79.9	-	-	-	-	72.1	79.9	W	84.0	75.5
July 1991	-	67.3	77.3	-	-	-	-	67.3	77.3	W	79.6	70.8
August 1990	-	82.6	90.1	-	-	-	-	82.6	90.1	W	90.4	88.2
Maryland												
August 1991	-	72.3	77.6	-	-	77.3	-	72.3	77.6	85.9	83.5	77.4
July 1991	-	68.0	73.9	-	-	75.4	-	68.0	74.1	83.9	81.1	74.8
August 1990	-	83.0	W	W	W	85.4	W	83.1	86.8	96.6	92.8	90.8
New Jersey												
August 1991	86.9	73.7	79.5	W	W	69.5	86.9	73.8	77.9	87.7	85.9	72.5
July 1991	84.8	71.3	75.6	W	W	66.8	84.9	70.6	74.3	85.2	83.0	67.6
August 1990	92.2	87.3	87.3	W	W	89.8	92.3	86.0	87.8	99.1	102.3	87.0
New York												
August 1991	87.2	75.9	80.3	W	W	72.2	84.9	75.9	79.9	86.8	81.0	76.9
July 1991	87.5	73.5	79.0	W	W	68.4	85.6	73.9	78.4	87.2	78.7	75.8
August 1990	91.7	90.2	89.3	W	W	88.9	91.2	88.7	89.3	102.5	95.6	94.2
Pennsylvania												
August 1991	84.0	72.5	75.2	W	77.0	70.9	84.7	74.6	74.8	85.9	86.6	78.8
July 1991	83.9	75.1	72.8	W	W	68.2	84.7	75.7	72.4	85.2	85.4	75.2
August 1990	89.3	86.8	86.7	95.7	90.8	88.6	90.4	88.8	86.8	96.8	94.8	92.3

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 1991	81.4	73.1	74.0	79.2	72.9	70.5	81.1	73.0	73.6	82.9	83.0	77.3
July 1991	80.8	69.4	70.2	78.5	69.6	67.0	80.5	69.5	69.9	81.5	80.4	75.0
August 1990	90.6	82.7	85.5	90.1	86.4	86.4	90.5	83.6	85.6	95.1	95.4	91.7
Florida												
August 1991	82.0	73.4	75.1	80.9	W	70.7	81.9	72.9	74.5	84.1	84.6	75.9
July 1991	82.3	69.7	71.5	81.4	W	67.2	82.2	69.1	70.8	82.5	80.6	74.4
August 1990	90.8	84.3	85.8	95.3	W	84.4	91.2	85.2	85.7	95.7	96.7	91.8
Georgia												
August 1991	79.6	73.5	73.8	76.7	W	70.3	79.3	73.5	73.3	84.6	82.8	78.2
July 1991	77.7	69.2	69.5	76.4	W	66.7	77.6	69.2	69.2	83.9	79.1	74.8
August 1990	89.8	82.7	85.3	W	W	85.5	89.8	82.6	85.3	92.8	95.4	91.8
North Carolina												
August 1991	79.6	70.3	73.2	W	-	70.1	79.3	70.3	73.0	80.8	80.7	77.0
July 1991	78.6	66.4	69.1	W	-	66.7	78.1	66.4	69.0	79.4	78.1	75.0
August 1990	89.4	78.8	85.1	W	W	86.2	89.0	78.8	85.2	93.5	95.2	91.5
South Carolina												
August 1991	78.6	75.4	73.5	W	-	69.9	78.2	75.4	73.1	84.5	82.7	76.4
July 1991	78.0	72.1	69.5	W	-	66.3	77.8	72.1	69.1	82.9	82.2	74.1
August 1990	88.5	84.0	84.9	W	-	92.6	88.3	84.0	85.9	99.7	95.9	92.1
Virginia												
August 1991	81.5	72.3	73.4	W	W	70.6	81.3	72.0	73.2	81.0	84.4	76.3
July 1991	79.9	69.2	70.3	W	W	67.4	79.6	69.2	70.1	79.5	82.2	76.0
August 1990	91.4	81.0	85.8	W	W	86.4	90.5	81.6	85.8	95.4	95.1	91.0
West Virginia												
August 1991	92.5	81.9	75.1	W	W	71.5	92.0	79.7	74.6	83.1	86.5	81.2
July 1991	92.3	78.5	71.9	W	W	68.3	91.8	77.3	71.3	82.8	83.9	79.2
August 1990	97.8	97.0	85.8	90.6	W	86.4	97.6	95.7	85.9	98.8	94.5	93.1
PAD District II Average												
August 1991	83.5	75.1	74.1	79.0	74.3	70.3	82.2	75.0	73.0	83.4	84.0	75.7
July 1991	80.3	72.5	70.4	75.8	68.1	68.2	79.1	72.0	69.8	81.2	82.0	73.4
August 1990	94.4	84.2	86.6	92.2	88.0	85.0	93.8	84.4	86.2	97.5	98.8	89.1
Illinois												
August 1991	84.5	73.0	75.8	W	W	67.8	83.2	73.3	73.8	81.9	82.2	75.2
July 1991	80.5	69.7	71.3	W	W	66.5	79.4	69.8	70.5	78.8	79.6	72.4
August 1990	93.7	78.7	86.0	W	-	84.3	93.0	78.7	85.8	96.8	96.0	90.1
Indiana												
August 1991	81.1	72.6	73.5	W	W	70.6	80.5	72.5	72.8	84.2	83.6	75.9
July 1991	79.2	68.7	69.8	W	W	68.2	78.7	68.6	69.5	83.5	82.7	70.9
August 1990	92.3	85.7	86.9	W	W	81.7	91.9	85.4	85.5	100.0	99.1	87.0
Iowa												
August 1991	84.4	70.7	73.4	80.8	-	70.4	81.6	70.7	72.0	85.5	83.4	74.5
July 1991	82.3	70.7	71.5	78.7	-	68.8	79.5	70.7	70.4	81.5	83.0	74.0
August 1990	98.6	86.5	88.0	94.8	-	86.3	95.7	86.5	87.3	95.0	97.7	90.5
Kansas												
August 1991	84.8	73.6	72.6	81.9	W	69.6	83.1	73.9	70.7	83.3	83.2	71.6
July 1991	78.4	W	69.8	77.0	W	67.7	77.6	68.1	68.5	80.0	82.1	72.2
August 1990	98.9	83.8	86.0	94.6	W	83.4	96.3	83.9	84.2	96.8	103.7	85.7
Kentucky												
August 1991	84.5	78.3	75.2	81.3	W	72.8	84.1	78.4	75.1	84.3	82.7	78.6
July 1991	83.2	73.3	71.1	80.3	-	68.5	82.7	73.3	70.9	82.8	76.2	76.3
August 1990	96.8	91.1	88.8	95.1	W	85.3	96.5	91.1	88.5	99.3	96.1	95.6
Michigan												
August 1991	80.0	73.2	73.9	W	-	71.8	77.7	73.2	73.5	83.0	86.0	75.6
July 1991	76.6	71.3	70.0	W	W	68.4	76.3	71.2	69.8	80.7	83.6	73.5
August 1990	92.0	78.4	87.3	W	W	87.2	92.0	78.4	87.3	97.0	96.4	90.5
Minnesota												
August 1991	86.0	73.9	76.8	83.8	W	73.6	85.4	73.9	75.5	86.4	89.0	77.3
July 1991	81.5	71.3	72.6	78.9	W	70.7	80.8	71.2	71.9	85.1	86.7	75.8
August 1990	96.9	82.2	87.1	94.7	W	88.2	96.5	82.8	87.6	99.6	101.3	92.2
Missouri												
August 1991	83.4	71.9	73.7	79.6	W	70.2	81.8	72.6	72.5	80.6	81.8	73.8
July 1991	77.1	70.5	69.7	74.6	W	67.7	76.1	70.2	69.1	77.4	80.5	72.2
August 1990	94.4	70.0	86.0	92.7	W	84.7	93.7	70.2	85.5	94.6	99.9	69.3

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 1991	W	72.4	73.3	79.5	-	70.7	81.5	72.4	71.9	82.9	80.9	75.3
July 1991	W	70.0	70.7	76.6	-	68.8	78.6	70.0	69.7	81.8	80.3	74.3
August 1990	W	84.0	87.7	94.4	-	86.3	98.3	84.0	87.0	100.0	100.6	87.3
North Dakota												
August 1991	93.3	77.3	77.5	W	-	72.1	92.7	77.3	75.0	89.7	88.6	77.5
July 1991	89.0	W	73.8	W	-	70.2	88.3	W	72.0	89.9	84.8	74.4
August 1990	104.3	W	88.7	W	-	86.9	104.0	W	88.8	104.3	102.8	87.0
Ohio												
August 1991	85.2	78.6	74.4	W	W	71.0	84.8	78.7	74.2	84.3	83.8	77.0
July 1991	81.9	75.8	70.9	W	W	67.5	81.7	76.0	70.7	81.6	81.4	73.3
August 1990	95.0	87.9	86.9	W	W	84.4	94.6	88.1	86.8	94.7	101.0	89.8
Oklahoma												
August 1991	82.6	70.2	70.0	81.1	W	68.3	82.1	70.1	69.1	81.4	82.2	73.0
July 1991	77.8	68.3	68.0	75.1	W	66.1	77.0	67.4	67.2	78.0	81.8	72.6
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
South Dakota												
August 1991	W	W	75.4	W	W	72.1	W	W	73.8	86.4	86.1	74.9
July 1991	W	W	72.2	W	W	69.7	W	70.8	71.1	85.2	85.8	73.8
August 1990	W	W	88.5	W	W	86.3	95.7	W	87.5	104.1	96.3	89.1
Tennessee												
August 1991	79.9	73.8	73.4	78.2	W	70.0	79.4	73.2	72.9	80.4	83.5	78.6
July 1991	78.5	69.1	69.2	75.9	W	66.2	77.7	68.8	68.8	79.0	79.2	74.7
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
Wisconsin												
August 1991	80.8	73.7	73.5	W	W	72.6	80.0	72.8	73.3	84.9	84.0	74.8
July 1991	79.4	71.1	70.5	W	W	70.2	78.5	70.8	70.4	83.9	82.7	72.8
August 1990	95.5	86.0	86.0	W	W	87.1	94.0	86.2	86.4	98.0	97.5	86.9
PAD District III Average												
August 1991	84.3	73.3	72.5	84.5	72.9	68.6	84.3	73.2	71.1	82.4	78.9	73.8
July 1991	82.5	69.0	68.3	83.3	68.8	65.2	82.8	68.9	67.2	81.1	76.4	71.4
August 1990	92.5	W	82.5	91.7	83.2	79.8	92.3	83.2	81.5	96.5	94.5	82.6
Alabama												
August 1991	83.2	74.5	74.1	84.9	W	71.0	83.5	74.3	73.4	83.8	80.5	77.8
July 1991	82.5	68.1	69.7	85.0	W	67.1	83.0	68.1	69.2	83.4	78.4	75.3
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
Arkansas												
August 1991	83.6	71.5	72.2	W	W	70.0	79.7	71.8	71.5	80.2	79.8	75.1
July 1991	80.2	68.5	69.0	W	W	66.8	77.5	68.5	68.3	78.3	78.2	72.7
August 1990	96.8	90.8	86.0	93.8	W	84.6	94.8	91.4	85.5	99.9	NA	90.9
Louisiana												
August 1991	86.0	W	73.3	87.5	81.7	68.7	86.3	72.8	71.7	81.8	82.0	75.0
July 1991	84.9	W	68.6	87.3	75.3	65.0	85.4	67.9	67.3	80.9	77.6	73.0
August 1990	91.4	81.3	82.5	93.6	94.2	82.0	91.6	82.3	82.4	93.3	97.5	82.3
Mississippi												
August 1991	W	72.9	72.4	78.5	71.3	68.5	79.7	72.4	70.9	82.1	80.3	76.1
July 1991	W	68.6	67.3	77.4	68.0	65.7	79.4	68.4	67.1	81.4	78.3	74.6
August 1990	92.8	83.7	84.8	W	87.0	87.8	92.9	84.2	85.4	96.2	95.6	90.9
New Mexico												
August 1991	84.2	74.9	73.4	86.7	74.7	71.5	85.9	74.8	72.6	84.3	83.9	79.5
July 1991	79.5	W	70.2	82.2	70.5	68.7	81.3	71.2	69.6	82.6	80.9	77.4
August 1990	W	W	85.7	W	88.6	87.4	94.7	86.8	86.4	99.7	102.6	NA
Texas												
August 1991	84.3	73.7	72.0	85.1	71.5	68.0	84.6	73.1	70.4	82.3	77.6	72.3
July 1991	82.3	69.7	67.8	84.0	67.9	64.6	82.9	69.2	66.5	80.5	75.0	69.7
August 1990	92.6	83.2	80.9	91.0	79.7	77.7	92.1	82.4	79.6	93.8	89.0	79.2
PAD District IV Average												
August 1991	82.1	72.9	72.7	83.3	80.5	72.0	82.6	75.7	72.4	83.1	83.2	75.7
July 1991	76.5	69.0	67.5	79.2	77.9	67.5	77.7	72.2	67.5	79.7	79.5	71.9
August 1990	94.8	82.6	86.0	93.6	W	86.9	94.3	82.9	86.3	99.6	98.5	91.3

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 1991	82.1	W	74.1	83.6	-	72.6	82.9	W	73.5	84.1	84.2	75.5
July 1991	77.2	W	70.3	79.4	W	69.5	78.3	W	70.0	81.1	80.9	73.3
August 1990	95.7	W	86.8	93.3	-	88.2	94.4	W	87.3	102.5	99.8	97.0
Idaho												
August 1991	W	W	70.9	W	-	70.8	80.7	W	70.8	79.4	80.3	75.0
July 1991	W	W	64.7	W	-	64.5	78.6	W	64.6	77.0	75.6	69.5
August 1990	W	W	85.1	W	-	85.6	99.3	W	85.2	98.7	96.7	91.9
Montana												
August 1991	W	W	71.6	W	102.5	71.7	W	100.0	71.6	85.2	86.3	75.1
July 1991	W	W	67.6	W	103.9	67.2	W	100.7	67.4	85.2	84.3	70.8
August 1990	W	W	87.5	96.2	-	88.3	97.6	W	87.8	101.9	101.4	93.0
Utah												
August 1991	81.6	73.6	72.3	W	W	71.5	81.5	73.0	72.0	80.7	80.4	76.3
July 1991	72.3	66.5	65.2	W	W	65.0	72.3	66.8	65.1	74.2	73.3	71.9
August 1990	91.2	84.1	83.8	W	W	84.7	91.3	84.1	84.2	91.4	92.2	NA
Wyoming												
August 1991	W	75.9	74.6	82.6	W	73.4	82.6	76.1	74.0	88.2	83.6	77.4
July 1991	W	69.4	70.2	80.9	W	69.2	81.1	70.7	69.7	86.8	82.3	73.7
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
PAD District V Average												
August 1991	74.1	69.7	67.4	73.9	73.2	67.1	74.0	70.9	67.4	78.5	78.9	70.9
July 1991	72.3	64.0	63.8	72.3	70.5	61.0	72.3	66.2	63.3	76.8	75.9	67.5
August 1990	91.6	90.0	86.4	96.9	NA	85.6	93.1	NA	86.3	100.5	102.2	91.2
Alaska												
August 1991	W	W	69.7	83.0	W	W	82.7	90.7	67.8	NA	97.4	87.6
July 1991	W	W	70.5	83.4	W	W	82.9	96.7	68.2	NA	100.6	88.0
August 1990	W	W	W	109.2	W	94.3	109.0	95.6	95.8	NA	122.0	114.8
Arizona												
August 1991	68.5	69.6	64.5	W	W	65.5	69.2	67.9	64.6	75.6	74.7	69.5
July 1991	67.7	65.3	61.9	W	68.8	63.2	68.4	67.6	62.0	75.9	71.7	67.0
August 1990	86.7	W	84.8	W	W	89.2	87.2	W	85.3	95.6	98.7	NA
California												
August 1991	74.4	68.8	66.9	71.5	71.1	66.7	73.5	69.1	66.9	76.5	80.0	68.1
July 1991	72.6	62.7	63.4	69.5	63.7	60.1	71.5	62.8	62.8	74.6	76.6	65.5
August 1990	92.4	90.6	86.5	95.6	NA	84.5	93.4	NA	86.2	101.7	104.3	89.1
Hawaii												
August 1991	W	W	W	W	W	W	101.8	72.9	89.3	-	108.0	101.2
July 1991	W	W	W	W	W	W	99.5	67.8	85.4	-	104.2	97.1
August 1990	W	W	99.3	W	W	W	W	87.0	99.1	W	117.3	105.4
Nevada												
August 1991	72.7	70.5	68.5	W	W	69.3	73.8	71.3	68.7	79.7	71.5	73.1
July 1991	71.6	66.8	64.5	W	W	64.4	72.5	66.6	64.5	76.8	70.6	66.6
August 1990	87.5	90.0	85.8	W	W	86.4	88.7	90.0	85.9	96.6	105.2	94.8
Oregon												
August 1991	77.2	68.4	67.7	W	W	69.2	77.4	74.4	67.8	81.9	80.1	74.5
July 1991	73.9	62.4	62.1	W	W	61.4	74.2	68.3	62.0	78.7	76.7	69.2
August 1990	95.7	W	85.0	W	W	86.3	95.6	87.1	85.2	103.3	97.2	94.8
Washington												
August 1991	73.7	68.5	67.5	W	-	69.0	74.5	68.5	67.7	79.7	79.8	72.9
July 1991	72.3	63.4	64.2	W	-	62.0	73.6	63.4	64.0	77.8	76.1	70.0
August 1990	91.3	86.8	85.1	W	-	88.2	92.5	86.8	85.4	99.0	96.9	92.3

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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 Ledged 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 1991	68.2	72.4	66.1	72.9	68.8	69.9	70.3	71.8	67.1	79.8	83.9	74.7
July 1991	66.2	68.1	61.9	71.4	62.7	65.4	68.5	66.6	62.9	77.9	81.1	71.3
August 1990	87.8	88.0	84.4	92.5	NA	86.6	89.8	81.5	85.1	98.2	100.7	92.0
PAD District I Average												
August 1991	-	W	81.3	W	-	W	W	W	76.4	76.9	88.1	80.3
July 1991	-	W	W	W	-	W	W	W	73.6	77.6	88.8	78.5
August 1990	W	W	87.9	W	W	88.9	99.0	98.3	88.7	96.8	101.3	90.7
Subdistrict IA Average												
August 1991	-	-	-	-	-	-	-	-	-	W	92.5	83.7
July 1991	-	-	-	-	-	-	-	-	-	95.6	89.5	77.8
August 1990	W	-	-	-	-	-	W	-	-	109.5	100.6	90.8
Connecticut												
August 1991	-	-	-	-	-	-	-	-	-	-	-	-
July 1991	-	-	-	-	-	-	-	-	-	-	-	-
August 1990	-	-	-	-	-	-	-	-	-	NA	W	W
Maine												
August 1991	-	-	-	-	-	-	-	-	-	-	-	-
July 1991	-	-	-	-	-	-	-	-	-	-	-	-
August 1990	-	-	-	-	-	-	-	-	-	-	-	W
Massachusetts												
August 1991	-	-	-	-	-	-	-	-	-	NA	NA	-
July 1991	-	-	-	-	-	-	-	-	-	NA	NA	W
August 1990	-	-	-	-	-	-	-	-	-	NA	NA	W
New Hampshire												
August 1991	-	-	-	-	-	-	-	-	-	-	W	-
July 1991	-	-	-	-	-	-	-	-	-	-	W	-
August 1990	-	-	-	-	-	-	-	-	-	-	NA	89.0
Rhode Island												
August 1991	-	-	-	-	-	-	-	-	-	-	-	-
July 1991	-	-	-	-	-	-	-	-	-	-	-	-
August 1990	W	-	-	-	-	-	W	-	-	-	W	W
Vermont												
August 1991	-	-	-	-	-	-	-	-	-	NA	89.1	83.7
July 1991	-	-	-	-	-	-	-	-	-	W	88.7	80.7
August 1990	-	-	-	-	-	-	-	-	-	W	NA	95.1
Subdistrict IB Average												
August 1991	-	W	81.8	W	-	W	W	W	81.8	NA	89.8	80.3
July 1991	-	W	W	W	-	W	W	W	81.2	93.9	90.7	79.7
August 1990	-	W	87.8	W	W	89.0	W	98.2	88.7	103.5	106.5	91.2
Delaware												
August 1991	-	-	-	-	-	-	-	-	-	-	NA	-
July 1991	-	-	-	-	-	-	-	-	-	-	W	-
August 1990	-	-	-	-	-	-	-	-	-	NA	-	-
District of Columbia												
August 1991	-	-	-	-	-	-	-	-	-	-	-	-
July 1991	-	-	-	-	-	-	-	-	-	-	-	-
August 1990	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
August 1991	-	-	-	-	-	-	-	-	-	-	-	-
July 1991	-	-	-	-	-	-	-	-	-	-	-	-
August 1990	-	-	-	-	-	-	-	-	-	NA	-	-
New Jersey												
August 1991	-	-	-	-	-	-	-	-	-	-	W	-
July 1991	-	-	-	-	-	-	-	-	-	-	W	-
August 1990	-	-	-	-	-	-	-	-	-	-	W	-
New York												
August 1991	-	W	W	W	-	-	W	W	W	NA	93.3	80.4
July 1991	-	W	W	W	-	-	W	W	W	95.5	94.0	80.2
August 1990	-	W	NA	W	W	W	W	W	91.2	101.8	110.4	91.1
Pennsylvania												
August 1991	-	W	W	W	-	-	W	W	W	NA	85.6	79.0
July 1991	-	W	W	W	-	W	W	W	W	NA	86.0	76.7
August 1990	-	W	86.3	W	W	W	W	W	87.3	NA	97.1	92.4

See footnotes at end of table.

**Table 31. Refiner/Reseller Ledged 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 1991	-	W	W	-	-	W	-	W	W	76.5	82.3	75.7
July 1991	-	W	-	-	-	W	-	W	W	76.9	82.5	71.0
August 1990	W	W	92.3	-	-	88.4	W	W	88.5	90.5	92.7	90.1
Florida												
August 1991	-	-	W	-	-	-	-	-	W	W	-	W
July 1991	-	-	-	-	-	-	-	-	-	W	-	W
August 1990	W	-	W	-	-	-	W	-	W	W	W	-
Georgia												
August 1991	-	-	-	-	-	-	-	-	-	NA	-	-
July 1991	-	-	-	-	-	-	-	-	-	NA	-	-
August 1990	-	-	-	-	-	W	-	-	W	W	-	-
North Carolina												
August 1991	-	-	-	-	-	-	-	-	-	W	W	W
July 1991	-	-	-	-	-	-	-	-	-	W	W	W
August 1990	-	-	W	-	-	-	-	-	W	W	W	89.7
South Carolina												
August 1991	-	-	-	-	-	-	-	-	-	W	-	-
July 1991	-	-	-	-	-	-	-	-	-	W	-	-
August 1990	-	-	-	-	-	-	-	-	-	W	-	W
Virginia												
August 1991	-	-	-	-	-	-	-	-	-	73.5	88.5	W
July 1991	-	-	-	-	-	-	-	-	-	75.5	89.3	73.7
August 1990	-	-	-	-	-	W	-	-	W	90.4	94.8	90.6
West Virginia												
August 1991	-	W	-	-	-	W	-	W	W	W	W	W
July 1991	-	W	-	-	-	W	-	W	W	W	W	W
August 1990	-	W	W	-	-	W	-	W	W	NA	NA	-
PAD District II Average												
August 1991	W	W	75.6	84.9	W	73.4	85.3	W	73.8	85.9	89.0	77.0
July 1991	W	78.9	72.9	82.0	W	69.9	82.2	77.9	70.7	84.1	87.1	75.9
August 1990	97.8	88.9	87.0	96.0	87.3	86.9	96.7	88.8	86.9	100.3	101.5	91.5
Illinois												
August 1991	-	-	-	-	-	-	-	-	-	87.5	83.3	82.7
July 1991	-	-	-	-	-	-	-	-	-	87.5	83.8	77.8
August 1990	W	W	82.3	-	-	89.3	W	W	85.5	106.3	100.4	93.5
Indiana												
August 1991	-	W	-	-	-	W	-	W	W	89.2	90.9	81.7
July 1991	-	W	-	-	-	W	-	W	W	88.7	89.4	81.6
August 1990	-	W	W	-	-	89.4	-	W	89.4	108.3	102.8	99.4
Iowa												
August 1991	-	-	-	W	-	W	W	-	W	89.4	87.2	75.7
July 1991	-	-	W	W	-	70.4	W	-	70.1	87.6	83.7	77.2
August 1990	W	W	88.1	98.1	-	86.4	98.2	W	87.0	96.4	97.8	92.0
Kansas												
August 1991	-	-	70.6	85.2	-	71.8	85.2	-	71.8	86.4	83.6	73.6
July 1991	-	-	W	79.5	-	69.3	79.5	-	69.3	82.0	81.7	74.2
August 1990	W	W	86.9	96.8	-	85.7	97.2	W	85.9	98.6	101.2	88.3
Kentucky												
August 1991	-	W	W	W	-	W	W	W	81.4	W	-	W
July 1991	-	W	W	W	-	W	W	W	78.0	81.9	-	W
August 1990	-	W	W	W	-	W	W	W	96.6	104.5	W	94.5
Michigan												
August 1991	-	W	74.2	W	-	W	W	W	74.1	88.9	92.6	80.0
July 1991	-	-	72.5	W	-	W	W	-	71.1	87.2	89.8	76.6
August 1990	-	-	89.1	W	-	W	W	-	88.1	102.6	106.2	93.4
Minnesota												
August 1991	W	W	78.3	86.3	-	75.3	86.6	W	76.7	91.0	90.4	78.2
July 1991	W	W	74.4	82.5	-	72.1	82.4	W	73.2	86.2	87.6	76.9
August 1990	W	W	87.7	96.5	W	86.5	97.1	W	87.0	98.6	99.1	92.1
Missouri												
August 1991	-	-	-	81.0	-	71.6	81.0	-	71.6	84.3	87.4	75.5
July 1991	-	W	W	78.8	-	69.5	78.8	W	69.6	82.0	84.9	74.7
August 1990	W	W	87.0	W	-	85.8	94.0	W	86.3	99.2	W	89.0

See footnotes at end of table.

**Table 31. Refiner/Reseller Ledged 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 1991	-	-	76.4	W	-	72.7	W	-	73.1	83.9	81.4	74.5
July 1991	-	-	71.0	W	-	70.0	W	-	70.1	83.6	81.9	74.4
August 1990	-	W	87.6	95.1	-	86.9	95.1	W	87.1	100.2	98.6	88.1
North Dakota												
August 1991	W	W	77.4	W	-	75.6	W	W	76.3	89.8	89.1	78.9
July 1991	W	W	72.8	W	-	69.9	W	W	71.1	90.3	87.1	75.3
August 1990	W	W	87.4	W	-	90.1	100.0	W	89.0	106.0	104.4	90.6
Ohio												
August 1991	-	W	W	-	-	-	-	W	W	87.7	89.7	79.5
July 1991	-	W	W	-	-	-	-	W	W	86.5	87.9	76.6
August 1990	-	W	W	-	W	W	-	W	87.9	102.9	100.8	92.4
Oklahoma												
August 1991	W	-	W	W	W	70.7	W	W	70.5	80.5	80.8	74.1
July 1991	W	W	W	W	W	68.4	W	W	68.1	78.6	81.5	74.7
August 1990	W	W	84.8	93.0	W	85.1	94.1	83.4	85.0	98.6	99.5	89.9
South Dakota												
August 1991	W	-	73.6	-	-	74.0	W	-	73.8	86.4	87.4	74.4
July 1991	W	-	70.4	-	-	69.6	W	-	69.9	85.2	86.9	71.8
August 1990	W	W	89.4	W	-	87.2	W	W	88.2	102.2	95.7	91.1
Tennessee												
August 1991	-	-	-	-	-	W	-	-	W	W	-	-
July 1991	-	-	-	-	-	W	-	-	W	W	-	-
August 1990	-	-	W	-	-	W	-	-	W	93.5	-	W
Wisconsin												
August 1991	W	-	74.4	-	-	W	W	-	74.3	88.8	92.7	78.7
July 1991	W	-	72.3	-	W	W	W	W	72.0	87.9	92.1	77.5
August 1990	W	-	87.3	W	W	89.2	W	W	88.7	103.9	104.6	95.5
PAD District III Average												
August 1991	W	W	73.2	82.2	W	71.6	82.3	77.1	72.3	82.7	82.2	78.6
July 1991	W	W	69.8	80.0	W	69.4	79.9	73.0	69.6	82.1	81.8	76.1
August 1990	95.2	84.1	85.3	93.7	W	87.1	94.3	85.0	86.2	97.1	100.3	NA
Alabama												
August 1991	-	-	-	-	-	-	-	-	-	W	-	-
July 1991	-	-	-	-	-	-	-	-	-	W	-	-
August 1990	W	-	-	-	-	-	W	-	-	W	-	W
Arkansas												
August 1991	-	-	-	-	-	W	-	-	W	79.5	W	W
July 1991	-	-	-	-	-	W	-	-	W	77.7	W	W
August 1990	-	W	87.9	W	-	84.5	W	W	86.3	101.0	W	83.0
Louisiana												
August 1991	-	-	-	-	-	-	-	-	-	84.5	-	-
July 1991	-	-	W	-	-	-	-	-	W	85.6	-	-
August 1990	-	-	W	-	-	W	-	-	83.7	95.1	NA	W
Mississippi												
August 1991	-	-	-	-	-	-	-	-	-	W	-	-
July 1991	-	-	-	-	-	-	-	-	-	W	-	-
August 1990	-	-	-	-	-	-	-	-	-	97.6	NA	NA
New Mexico												
August 1991	W	W	72.9	W	W	71.9	84.7	W	72.4	82.9	85.2	79.2
July 1991	W	W	69.4	W	W	69.3	80.3	W	69.3	80.8	82.1	76.5
August 1990	W	W	85.3	W	W	88.2	92.8	W	86.8	99.3	103.9	NA
Texas												
August 1991	W	W	73.6	W	W	71.0	80.7	W	72.1	82.8	NA	74.6
July 1991	W	W	70.4	W	W	69.8	79.7	72.5	70.0	82.8	82.5	72.4
August 1990	95.4	W	84.9	96.1	W	86.7	95.7	80.8	85.6	95.1	96.4	90.1
PAD District IV Average												
August 1991	79.8	W	71.1	81.6	W	71.9	80.7	71.4	71.5	82.3	83.6	75.0
July 1991	75.1	68.6	65.8	77.3	W	67.0	76.2	67.7	66.3	78.9	79.8	71.0
August 1990	92.6	81.3	85.3	91.2	W	86.0	91.8	81.9	85.6	97.9	99.1	90.6

See footnotes at end of table.

**Table 31. Refiner/Reseller Ledged 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 1991	W	W	73.1	82.1	-	72.9	80.6	W	73.0	84.1	86.1	75.6
July 1991	W	W	69.7	77.8	-	69.7	75.9	W	69.7	80.7	80.8	73.7
August 1990	93.1	W	86.6	90.4	-	87.2	91.3	W	86.9	99.3	101.5	96.0
Idaho												
August 1991	W	-	69.8	W	-	70.4	79.4	-	70.0	78.3	79.6	74.1
July 1991	W	W	63.5	W	-	63.9	74.8	W	63.6	76.2	75.0	68.8
August 1990	W	W	84.1	W	-	84.7	97.7	W	84.3	98.0	96.7	91.3
Montana												
August 1991	W	W	71.4	W	-	71.8	W	W	71.5	84.4	86.0	75.1
July 1991	W	W	67.1	W	-	67.1	W	W	67.1	84.5	84.4	70.8
August 1990	W	W	87.1	W	-	87.8	W	W	87.4	100.3	101.8	92.3
Utah												
August 1991	W	W	70.5	W	W	71.1	W	W	70.8	80.0	79.2	74.4
July 1991	W	W	63.9	W	W	64.6	W	W	64.1	72.8	72.7	69.8
August 1990	88.5	W	82.8	W	W	83.9	88.7	W	83.3	90.8	93.6	NA
Wyoming												
August 1991	W	W	73.6	81.4	W	73.3	80.9	W	73.4	86.6	83.3	77.3
July 1991	W	W	69.1	79.8	W	69.2	79.5	W	69.1	85.8	82.8	73.1
August 1990	W	W	87.1	96.6	W	88.1	96.5	78.8	87.6	102.2	97.4	92.4
PAD District V Average												
August 1991	66.6	67.6	64.8	69.2	67.5	66.6	67.6	67.5	65.1	75.1	78.9	73.5
July 1991	65.0	61.6	60.6	67.9	61.3	60.8	66.1	61.5	60.6	73.2	75.3	69.3
August 1990	85.9	88.1	83.7	91.4	NA	86.4	87.9	NA	84.2	97.2	100.4	92.7
Alaska												
August 1991	W	W	70.5	81.2	W	W	80.9	W	W	NA	101.6	88.7
July 1991	W	W	71.1	83.0	W	W	82.3	W	W	NA	101.9	89.5
August 1990	W	W	98.0	112.5	W	95.9	108.8	94.9	97.0	NA	116.8	115.6
Arizona												
August 1991	63.4	W	62.5	W	W	64.9	64.3	W	62.9	72.6	75.0	68.0
July 1991	62.8	W	59.5	W	W	63.2	63.8	W	60.1	72.4	70.8	65.7
August 1990	82.6	W	83.5	W	W	88.1	83.2	W	84.2	92.6	97.8	NA
California												
August 1991	67.0	67.0	64.3	66.7	W	65.5	66.8	67.3	64.6	72.9	80.7	77.6
July 1991	65.0	60.8	60.1	64.8	W	59.2	64.9	60.8	59.9	71.4	78.0	72.6
August 1990	86.6	W	83.7	90.4	NA	85.5	88.4	NA	84.1	96.5	105.1	91.9
Hawaii												
August 1991	-	-	-	-	-	-	-	-	-	-	-	-
July 1991	-	-	-	-	-	-	-	-	-	-	-	-
August 1990	-	-	-	-	-	-	-	-	-	-	-	-
Nevada												
August 1991	65.8	W	66.4	W	W	68.5	68.4	W	66.7	74.7	NA	71.7
July 1991	64.2	W	62.0	W	W	63.5	66.2	W	62.3	71.7	NA	66.2
August 1990	W	W	83.2	W	W	85.0	84.1	W	83.5	91.2	103.4	95.4
Oregon												
August 1991	70.6	W	66.0	W	-	68.3	71.6	W	66.2	78.5	80.1	73.8
July 1991	67.5	W	60.3	W	-	60.6	68.7	W	60.3	74.7	75.3	67.9
August 1990	90.3	W	83.7	W	W	85.4	90.8	89.7	83.9	101.4	95.2	93.1
Washington												
August 1991	66.3	65.6	65.4	W	-	66.6	68.4	65.6	65.6	75.2	78.7	71.0
July 1991	65.2	60.7	61.7	W	-	60.1	67.9	60.7	61.5	73.2	74.7	68.0
August 1990	85.4	W	83.3	W	-	86.6	88.1	W	83.7	96.0	96.2	90.2

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices
by Seller 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 1991	77.9	71.6	70.4	77.3	73.5	68.6	77.7	72.0	69.9	80.5	80.0	73.1
July 1991	75.7	68.0	66.7	75.4	69.9	65.1	75.6	68.5	66.3	78.8	77.9	70.4
August 1990	88.6	82.3	82.9	90.5	82.9	82.5	89.1	82.4	82.8	94.6	95.4	85.8
PAD District I Average												
August 1991	77.7	71.5	72.6	77.3	73.2	69.3	77.7	72.0	72.2	80.9	80.3	74.3
July 1991	77.4	68.0	69.2	77.4	69.3	65.2	77.4	68.5	68.7	79.7	78.1	71.2
August 1990	85.5	80.9	82.6	87.3	84.6	86.0	85.8	81.9	83.0	92.8	91.1	87.0
Subdistrict IA Average												
August 1991	86.1	75.4	77.1	-	W	W	86.1	74.5	76.8	90.4	81.5	78.3
July 1991	85.5	72.0	74.1	-	W	62.5	85.5	68.7	71.5	89.5	78.6	75.1
August 1990	89.1	83.9	85.0	-	W	84.7	89.1	84.9	85.0	97.3	91.8	85.1
Connecticut												
August 1991	W	76.1	76.4	-	W	W	W	75.5	75.7	87.9	82.4	79.6
July 1991	W	72.9	73.7	-	W	W	W	68.3	72.0	87.0	80.8	74.7
August 1990	W	82.4	84.1	-	W	W	W	82.6	84.2	97.6	94.0	83.9
Maine												
August 1991	W	73.6	73.7	-	W	W	W	73.7	73.6	93.3	83.7	76.7
July 1991	W	71.7	69.2	-	W	W	W	69.8	68.8	91.4	81.4	69.8
August 1990	W	85.2	82.7	-	W	W	W	82.5	82.8	100.2	92.9	85.6
Massachusetts												
August 1991	87.4	75.6	79.1	-	W	W	87.4	74.5	79.0	89.2	78.7	77.9
July 1991	87.1	71.6	76.5	-	W	62.5	87.1	68.8	72.1	89.2	74.4	77.9
August 1990	90.1	85.9	86.6	-	W	84.5	90.1	W	86.1	95.2	89.0	83.1
New Hampshire												
August 1991	W	W	78.3	-	W	W	W	W	78.2	92.0	84.7	80.5
July 1991	W	68.5	75.0	-	W	W	W	67.6	74.8	91.0	82.1	77.9
August 1990	W	W	84.8	-	W	W	W	80.4	84.8	98.1	95.5	88.5
Rhode Island												
August 1991	84.3	W	76.3	-	W	W	84.3	79.1	76.0	89.1	75.0	76.3
July 1991	83.5	W	73.0	-	W	W	83.5	W	69.8	87.9	71.7	73.5
August 1990	90.6	W	85.1	-	W	W	90.6	W	85.0	94.8	W	84.1
Vermont												
August 1991	-	W	W	-	-	W	-	W	W	93.0	84.8	81.6
July 1991	-	W	W	-	-	W	-	W	73.9	91.9	82.5	79.9
August 1990	W	W	W	-	-	W	W	W	85.5	99.8	94.2	92.1
Subdistrict IB Average												
August 1991	80.7	71.6	73.2	79.3	74.4	69.5	80.4	72.4	72.7	81.6	80.9	72.8
July 1991	80.5	68.9	70.4	80.6	72.5	66.7	80.5	70.4	70.0	81.2	78.8	69.0
August 1990	85.6	82.9	82.7	88.8	85.1	87.8	86.2	83.6	83.3	94.1	91.1	86.6
Delaware												
August 1991	W	W	71.7	-	-	69.0	W	W	71.4	80.3	79.0	70.2
July 1991	W	W	69.9	-	-	66.0	W	W	69.5	78.9	75.3	70.0
August 1990	W	W	79.6	-	-	W	W	W	79.7	90.2	78.0	83.7
District of Columbia												
August 1991	-	69.5	73.0	-	-	-	-	69.5	73.0	W	77.8	W
July 1991	-	W	70.3	-	-	-	-	W	70.3	W	73.8	W
August 1990	-	79.0	82.3	-	-	-	-	79.0	82.3	W	82.6	W
Maryland												
August 1991	-	70.3	73.0	-	-	74.0	-	70.3	73.1	80.1	79.4	73.7
July 1991	-	66.0	69.2	-	-	72.0	-	66.0	69.5	78.3	77.1	71.1
August 1990	-	80.6	81.9	W	W	81.9	W	80.7	81.9	91.2	88.4	86.5
New Jersey												
August 1991	80.5	70.2	74.3	W	W	67.8	80.8	71.2	72.8	81.0	80.5	70.4
July 1991	78.4	67.2	70.0	W	W	64.9	78.9	67.7	69.1	78.5	77.3	65.3
August 1990	85.2	83.6	82.0	W	W	89.4	85.7	81.7	83.8	92.0	94.2	83.0
New York												
August 1991	82.8	73.7	74.6	W	W	70.7	80.6	73.7	74.3	82.7	78.6	74.0
July 1991	83.2	71.1	73.1	W	W	67.2	81.4	71.1	72.6	83.2	76.5	72.3
August 1990	87.4	87.1	84.2	W	W	85.0	87.1	85.0	84.4	98.2	92.4	89.5
Pennsylvania												
August 1991	78.8	71.6	71.5	W	74.5	69.9	80.0	72.8	71.3	81.3	83.7	75.5
July 1991	78.9	72.5	69.1	W	73.5	67.0	80.2	73.2	68.8	80.7	82.2	72.0
August 1990	84.0	82.6	82.4	92.0	87.9	86.4	85.5	85.4	82.8	91.4	92.2	88.6

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	
Subdistrict IC Average												
August 1991	75.5	71.0	70.6	75.8	71.2	69.0	75.6	71.0	70.4	78.3	79.4	74.2
July 1991	75.1	67.1	66.8	74.9	67.7	65.5	75.1	67.2	66.6	76.9	77.1	71.9
August 1990	85.0	79.5	81.9	86.1	83.7	84.4	85.2	80.5	82.2	90.4	90.9	88.2
Florida												
August 1991	75.5	71.3	70.8	77.8	W	69.1	75.8	70.8	70.4	79.5	80.7	71.5
July 1991	76.0	67.1	66.9	78.5	W	65.7	76.3	66.7	66.7	77.7	76.9	70.5
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
Georgia												
August 1991	73.7	71.4	70.7	73.0	W	68.8	73.6	71.5	70.4	79.3	79.8	75.2
July 1991	72.0	67.0	66.4	72.6	W	65.3	72.1	67.0	66.2	78.5	76.2	71.4
August 1990	84.6	78.5	82.1	W	W	83.2	84.8	78.7	82.3	88.7	89.9	88.6
North Carolina												
August 1991	74.9	69.4	70.7	W	-	68.7	74.9	69.4	70.5	76.7	77.0	73.9
July 1991	73.9	65.3	66.6	W	-	65.2	73.7	65.3	66.5	75.1	75.1	72.2
August 1990	85.0	77.6	82.2	W	W	84.4	85.0	77.6	82.4	88.6	90.8	88.1
South Carolina												
August 1991	74.2	73.7	71.0	W	-	68.9	74.2	73.7	70.7	80.3	80.9	73.7
July 1991	73.7	70.5	66.9	W	-	65.3	73.6	70.5	66.7	78.6	80.2	71.6
August 1990	84.3	81.5	82.1	W	-	90.4	84.4	81.5	83.3	94.2	92.9	88.2
Virginia												
August 1991	74.9	69.4	69.8	W	W	69.0	75.6	69.3	69.8	76.3	80.8	72.9
July 1991	73.4	66.3	66.7	W	W	65.8	73.9	66.5	66.6	75.0	78.6	72.4
August 1990	85.0	77.0	81.9	W	W	83.9	84.7	78.0	82.0	89.9	91.1	86.8
West Virginia												
August 1991	88.4	77.8	72.3	W	W	70.2	88.0	76.5	72.0	79.5	83.1	78.3
July 1991	88.3	74.5	69.0	W	W	66.8	87.8	74.2	68.6	79.2	80.0	76.3
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
PAD District II Average												
August 1991	80.5	73.4	71.9	76.8	72.7	69.6	73.3	73.3	71.2	81.2	82.0	73.9
July 1991	76.8	70.6	68.3	73.7	67.1	67.5	75.8	70.2	68.1	79.1	80.3	71.7
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
Illinois												
August 1991	80.1	71.9	72.5	W	W	67.3	79.3	72.2	70.9	79.6	81.0	73.1
July 1991	76.1	68.5	68.2	W	W	65.7	75.5	68.6	67.7	76.5	78.4	70.2
August 1990	89.6	76.4	83.3	W	-	84.6	89.2	76.4	83.6	94.7	94.3	88.3
Indiana												
August 1991	77.9	72.1	71.2	W	W	69.3	77.5	72.1	70.7	81.6	79.9	73.9
July 1991	76.1	67.9	67.4	W	W	66.7	75.8	67.9	67.3	80.8	79.0	68.8
August 1990	89.5	84.7	84.7	W	W	79.6	89.2	84.6	83.3	95.3	95.0	83.9
Iowa												
August 1991	83.0	70.7	72.4	79.6	-	70.1	80.4	70.7	71.3	84.6	82.0	73.3
July 1991	80.9	70.7	70.6	77.6	-	68.6	78.3	70.7	69.7	80.6	82.3	72.7
August 1990	97.5	86.2	87.0	93.7	-	86.0	94.6	86.2	86.6	94.0	97.0	89.6
Kansas												
August 1991	81.5	72.4	71.0	80.5	W	69.1	80.9	72.5	69.7	81.9	82.9	70.2
July 1991	75.1	W	68.3	75.5	W	67.1	75.3	67.0	67.5	78.7	71.8	71.2
August 1990	95.9	82.8	85.1	93.3	W	82.8	94.2	83.0	83.5	95.7	NA	84.6
Kentucky												
August 1991	81.1	76.2	72.8	79.5	-	71.8	80.9	76.2	72.7	80.9	78.6	76.0
July 1991	79.8	70.7	68.6	78.5	-	67.5	79.6	70.7	68.5	79.5	73.2	74.3
August 1990	92.9	87.5	86.4	93.2	W	83.5	92.9	87.5	86.2	96.1	92.1	92.9
Michigan												
August 1991	77.0	71.4	71.6	W	-	70.8	74.8	71.4	71.5	80.3	82.8	73.8
July 1991	73.7	69.5	67.8	W	W	67.4	71.7	69.5	67.7	78.4	80.7	71.8
August 1990	89.5	75.9	84.9	W	W	86.1	89.7	75.9	85.1	94.5	93.2	88.6
Minnesota												
August 1991	83.2	73.8	75.3	82.1	W	72.9	82.9	73.8	74.3	85.1	88.1	76.5
July 1991	78.7	71.1	71.3	77.2	W	70.1	78.3	71.1	70.8	84.1	85.8	75.0
August 1990	94.8	81.6	85.7	93.2	W	87.8	94.5	82.0	86.6	98.9	102.5	91.7
Missouri												
August 1991	79.0	71.6	71.5	77.1	W	69.3	78.1	71.8	70.7	78.4	79.5	72.5
July 1991	72.5	70.3	67.8	72.1	W	66.9	72.3	69.6	67.5	75.0	77.8	70.9
August 1990	91.0	NA	84.0	90.4	W	83.9	90.7	NA	84.0	92.3	98.2	87.9

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 1991	W	72.4	72.5	78.4	-	70.4	79.7	72.4	71.4	81.1	79.1	74.6	
July 1991	W	70.0	69.9	75.5	-	68.6	76.7	70.0	69.2	80.5	79.0	73.7	
August 1990	W	83.7	87.1	93.2	-	86.1	94.2	83.7	86.6	100.2	101.0	86.7	
North Dakota													
August 1991		76.4	76.3	W	-	71.3	91.2	76.4	73.8	89.3	88.2	77.1	
July 1991		W	72.8	W	-	70.0	86.5	W	71.3	89.2	83.7	73.9	
August 1990		W	88.1	W	-	88.3	103.2	W	88.2	103.7	101.3	86.3	
Ohio													
August 1991		82.9	76.3	72.1	W	W	70.0	82.6	76.4	72.0	81.9	81.2	74.9
July 1991		78.6	73.2	68.6	W	W	66.6	78.5	73.3	68.4	79.0	79.2	71.3
August 1990		91.5	85.0	84.5	W	W	83.4	91.2	85.1	84.4	92.1	96.3	87.9
Oklahoma													
August 1991		79.4	69.1	68.7	79.1	W	67.8	79.3	69.1	68.2	79.9	80.4	72.0
July 1991		74.5	66.9	66.7	73.2	W	65.4	74.1	66.4	66.1	76.5	79.9	71.3
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
South Dakota													
August 1991		W	W	74.4	W	W	71.7	W	W	73.0	84.8	84.9	74.1
July 1991		W	W	71.3	W	W	69.5	W	70.8	70.5	84.0	84.8	73.4
August 1990		W	W	87.4	W	W	85.8	95.2	W	86.7	103.5	96.3	88.1
Tennessee													
August 1991		74.2	72.0	70.7	74.7	W	68.7	74.4	71.8	70.3	76.0	79.9	75.6
July 1991		72.8	67.3	66.5	72.4	W	65.0	72.6	67.4	66.2	74.5	76.0	71.8
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
Wisconsin													
August 1991		78.4	72.2	71.9	W	W	71.8	77.8	71.6	71.8	83.3	81.7	73.4
July 1991		77.0	69.6	68.8	W	W	69.3	76.3	69.5	68.9	82.0	80.4	71.2
August 1990		92.6	85.2	84.2	W	W	86.1	91.4	85.3	84.9	96.0	94.7	84.4
PAD District III Average													
August 1991		78.7	71.6	69.9	81.1	71.2	67.6	79.6	71.5	68.9	79.5	76.8	71.3
July 1991		76.8	67.1	65.8	80.0	67.7	64.3	78.2	67.3	65.2	78.2	74.4	68.8
August 1990		87.1	80.7	79.7	88.9	81.0	78.2	87.7	80.8	79.1	93.1	92.4	79.6
Alabama													
August 1991		77.0	72.7	71.3	81.6	W	69.9	78.1	72.5	70.9	80.7	77.0	74.9
July 1991		76.8	66.6	66.8	81.8	W	66.0	77.8	66.5	66.6	80.1	76.2	72.4
August 1990		87.5	79.8	82.8	87.3	79.1	84.4	87.4	79.7	83.2	97.1	93.1	89.6
Arkansas													
August 1991		78.6	70.5	70.1	W	W	68.9	77.2	70.6	69.7	77.2	78.8	73.1
July 1991		75.1	67.5	66.8	W	W	65.7	75.1	67.3	66.4	75.7	76.7	70.8
August 1990		92.7	90.0	84.1	93.1	W	83.5	93.0	89.8	83.9	96.8	NA	88.7
Louisiana													
August 1991		79.8	W	69.9	83.0	W	67.6	80.4	69.9	69.0	78.4	77.7	72.1
July 1991		78.9	W	65.2	82.9	70.6	64.0	79.8	65.7	64.7	77.6	74.1	70.1
August 1990		85.9	78.5	80.0	89.3	90.7	80.6	86.4	79.7	80.2	89.7	94.6	76.8
Mississippi													
August 1991		75.6	72.3	69.8	75.6	70.1	67.6	75.6	71.7	68.9	78.2	77.1	74.1
July 1991		75.6	67.5	65.2	74.3	66.5	64.8	75.2	67.3	65.1	77.6	74.8	72.5
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
New Mexico													
August 1991		81.5	73.6	72.1	85.3	71.9	70.8	84.0	73.1	71.5	83.1	82.4	78.6
July 1991		76.5	W	68.9	80.8	69.5	68.0	79.3	70.0	68.5	81.5	79.6	76.6
August 1990		92.5	84.5	84.6	W	88.4	86.6	93.5	85.4	85.4	98.9	100.9	NA
Texas													
August 1991		78.7	71.7	69.4	81.5	71.0	67.1	79.8	71.5	68.4	79.5	75.9	69.9
July 1991		76.6	67.3	65.4	80.5	67.4	63.8	78.3	67.3	64.7	77.8	73.2	67.2
August 1990		87.0	80.5	77.9	87.7	77.9	76.4	87.2	79.9	77.2	91.0	87.2	77.0
PAD District IV Average													
August 1991		79.3	71.4	71.3	81.3	82.2	71.3	80.2	75.4	71.3	81.6	82.1	74.5
July 1991		73.5	67.6	66.1	77.0	80.6	66.8	75.2	72.2	66.3	78.1	78.4	70.8
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

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	
Colorado												
August 1991	79.2	W	72.3	81.5	-	71.7	80.4	W	72.1	82.3	82.8	74.2
July 1991	73.9	W	68.5	77.0	W	68.7	75.6	W	68.6	79.1	80.0	71.8
August 1990	93.1	W	85.4	92.4	-	88.0	92.8	W	86.4	100.7	97.7	95.9
Idaho												
August 1991	W	W	70.1	W	-	70.5	79.7	W	70.2	78.9	80.3	74.3
July 1991	W	W	63.9	W	-	64.2	78.3	W	64.0	76.2	75.3	68.8
August 1990	W	W	84.5	W	-	85.6	98.8	W	84.8	98.1	95.7	91.3
Montana												
August 1991	W	W	70.6	W	NA	70.9	W	NA	70.7	84.4	85.2	74.1
July 1991	W	W	66.5	W	NA	68.3	W	NA	66.4	84.3	82.2	69.8
August 1990	W	W	86.8	95.0	-	87.7	96.5	W	87.1	101.2	99.5	92.2
Utah												
August 1991	78.6	71.9	70.7	W	W	70.5	78.6	71.5	70.6	79.2	78.9	74.6
July 1991	69.2	64.8	63.5	W	W	63.9	69.3	65.4	63.7	72.8	72.7	70.4
August 1990	88.7	80.5	82.7	W	W	84.3	88.9	81.1	83.3	90.0	91.1	NA
Wyoming												
August 1991	W	75.7	73.1	81.4	W	72.7	81.0	74.5	72.9	86.9	82.7	76.3
July 1991	W	69.4	68.7	79.7	W	66.5	79.6	69.1	68.7	85.3	81.3	72.8
August 1990	96.8	85.4	87.0	96.6	W	87.5	96.7	85.7	87.2	101.3	96.1	92.1
PAD District V Average												
August 1991	71.3	67.6	64.7	73.0	73.2	68.2	71.8	69.6	65.0	76.9	76.5	68.3
July 1991	69.7	61.9	60.9	71.3	71.6	60.2	70.2	65.3	60.7	75.4	73.9	65.2
August 1990	88.8	87.8	83.2	96.0	NA	83.2	90.8	NA	83.2	99.3	99.1	88.4
Alaska												
August 1991	W	W	68.3	82.0	W	W	81.5	W	65.6	139.7	94.7	85.0
July 1991	W	W	69.0	81.9	W	W	81.3	100.3	66.6	146.0	98.2	85.4
August 1990	W	W	95.9	112.7	W	93.7	111.1	94.7	94.7	135.7	123.5	113.8
Arizona												
August 1991	66.2	W	62.9	W	W	64.8	66.9	67.5	63.1	73.8	73.1	68.1
July 1991	65.6	64.6	60.3	W	69.0	62.2	66.4	67.6	60.5	74.5	69.9	65.7
August 1990	84.3	W	82.8	95.3	W	88.6	84.9	W	83.6	94.8	96.5	NA
California												
August 1991	71.4	66.3	63.9	70.8	70.8	68.0	71.1	66.9	64.4	74.1	77.1	65.6
July 1991	69.7	60.3	60.1	68.7	63.0	59.5	69.3	60.7	59.9	72.3	74.1	63.5
August 1990	89.3	87.7	82.9	95.0	NA	81.7	91.1	NA	82.7	100.4	99.6	86.1
Hawaii												
August 1991	W	W	87.4	W	W	W	96.0	70.2	83.3	-	101.4	96.6
July 1991	W	W	83.0	W	W	W	93.6	64.7	79.6	-	98.7	92.5
August 1990	W	W	93.6	W	W	W	W	W	93.6	W	112.5	100.4
Nevada												
August 1991	70.8	70.5	66.4	W	W	68.5	72.3	71.2	66.8	78.1	70.2	72.0
July 1991	70.0	66.7	62.4	W	W	63.6	71.2	66.6	62.6	75.2	69.4	65.3
August 1990	85.7	90.2	83.5	W	W	85.5	87.3	89.3	83.8	95.4	104.5	92.9
Oregon												
August 1991	75.7	67.8	65.9	W	W	68.3	76.0	74.3	66.1	80.6	77.7	73.0
July 1991	72.4	62.1	60.6	W	W	60.7	72.9	68.2	60.6	77.9	75.4	67.8
August 1990	94.5	W	83.3	W	W	85.6	94.8	86.2	83.5	102.8	96.9	93.5
Washington												
August 1991	71.7	68.1	65.4	W	-	68.2	72.8	68.1	65.7	79.1	78.3	71.1
July 1991	70.4	63.0	62.2	W	-	61.7	72.0	63.0	62.1	77.0	74.6	68.0
August 1990	89.1	85.8	82.9	W	-	87.8	90.9	85.8	83.3	98.1	95.1	91.2

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

**Table 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		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 1991	86.5	76.5	76.5	86.5	74.9	72.7	86.5	76.0	76.1	87.7	85.0	80.0
July 1991	84.6	72.8	72.9	84.7	71.8	69.2	84.6	72.5	72.6	86.1	82.3	77.2
August 1990	95.8	88.8	87.2	96.0	88.7	87.6	95.9	88.8	87.2	100.9	98.0	92.7
PAD District I Average												
August 1991	87.0	76.0	77.1	84.4	76.0	73.1	86.7	76.0	76.9	89.5	85.4	80.6
July 1991	86.1	72.3	74.0	83.4	73.2	69.7	85.9	72.7	73.8	87.5	82.6	77.6
August 1990	94.8	86.3	87.1	95.3	89.5	87.4	94.8	87.0	87.1	101.9	96.7	93.2
Subdistrict IA Average												
August 1991	92.3	82.2	81.8	-	W	W	92.3	80.2	81.7	98.4	84.2	82.3
July 1991	91.6	79.6	79.2	-	W	W	91.6	72.8	78.7	98.0	81.1	81.3
August 1990	96.7	90.4	89.7	-	W	W	96.7	90.1	89.7	105.9	99.4	93.1
Connecticut												
August 1991	W	82.6	81.6	-	W	W	W	91.2	81.5	95.9	85.3	80.2
July 1991	W	80.2	78.8	-	W	W	W	75.5	78.7	96.0	80.5	82.9
August 1990	W	90.5	89.3	-	-	W	W	90.5	89.3	105.9	99.8	93.6
Maine												
August 1991	W	W	77.2	-	W	W	W	W	77.1	103.1	89.1	80.9
July 1991	W	W	72.9	-	W	W	W	W	72.8	102.2	85.2	78.6
August 1990	W	W	86.4	-	-	W	W	W	86.4	107.9	98.9	90.6
Massachusetts												
August 1991	93.9	80.7	83.5	-	W	W	93.9	79.2	83.4	97.7	81.4	84.3
July 1991	93.7	77.7	81.8	-	W	W	93.7	71.5	81.2	97.5	78.0	81.4
August 1990	98.1	92.3	91.1	-	W	W	98.1	90.5	91.1	104.7	99.0	92.5
New Hampshire												
August 1991	W	-	82.4	-	W	W	W	W	82.4	99.8	83.8	85.4
July 1991	W	-	79.0	-	W	W	W	W	78.9	99.6	80.0	82.3
August 1990	W	W	89.1	-	W	W	W	W	89.1	106.6	102.3	95.8
Rhode Island												
August 1991	91.1	W	80.6	-	-	W	91.1	W	80.2	95.5	81.9	81.5
July 1991	90.1	-	77.4	-	-	W	90.1	-	76.4	93.7	76.9	78.4
August 1990	97.7	-	89.8	-	-	W	97.7	-	89.7	105.0	W	90.5
Vermont												
August 1991	-	-	W	-	-	-	-	-	W	99.7	87.9	84.8
July 1991	-	-	W	-	-	W	-	-	W	98.5	87.5	82.9
August 1990	W	-	W	-	-	W	W	-	W	105.9	99.2	98.7
Subdistrict IB Average												
August 1991	89.0	76.5	77.9	W	81.7	75.2	88.9	78.3	W	90.8	85.1	80.4
July 1991	88.4	73.1	75.6	W	80.7	72.2	88.4	75.0	W	90.3	83.0	76.1
August 1990	95.3	85.6	87.5	W	90.3	88.6	95.4	87.8	87.5	101.9	96.0	93.2
Delaware												
August 1991	W	W	75.4	-	-	71.5	W	W	75.1	89.8	84.9	73.4
July 1991	W	W	73.8	-	-	68.8	W	W	73.4	88.1	82.7	73.5
August 1990	W	W	84.3	-	-	W	W	W	84.4	98.0	93.0	88.9
District of Columbia												
August 1991	-	W	77.2	-	-	-	-	W	77.2	W	77.4	W
July 1991	-	68.3	74.6	-	-	-	-	68.3	74.6	W	73.4	71.3
August 1990	-	83.4	87.4	-	-	-	-	83.4	87.4	W	W	W
Maryland												
August 1991	-	72.2	77.4	-	-	70.7	-	72.2	77.6	90.8	85.4	78.9
July 1991	-	68.6	73.8	-	-	75.1	-	68.6	74.0	89.4	83.2	75.9
August 1990	-	84.0	86.7	W	-	86.5	W	84.0	86.7	98.4	93.3	91.4
New Jersey												
August 1991	90.2	79.7	79.1	-	W	73.5	90.2	78.7	78.9	91.2	85.4	80.6
July 1991	87.8	75.7	77.4	-	W	69.0	87.8	74.5	77.1	89.3	82.1	72.0
August 1990	96.1	88.3	87.8	-	W	W	96.1	88.4	87.9	103.9	103.6	92.7
New York												
August 1991	90.5	76.4	81.2	W	W	W	89.4	76.4	80.8	91.8	79.8	82.8
July 1991	90.4	74.6	79.7	W	W	W	89.6	76.9	79.5	92.1	77.8	80.9
August 1990	95.8	88.7	89.0	W	W	W	95.7	85.9	89.1	107.1	95.1	94.3
Pennsylvania												
August 1991	87.5	79.2	75.5	92.8	W	71.9	88.0	81.8	75.4	90.2	87.6	80.8
July 1991	87.3	75.4	73.0	W	W	69.3	87.7	79.8	72.9	89.9	86.0	79.0
August 1990	94.2	87.5	87.1	100.0	W	91.1	94.5	91.2	87.3	100.8	94.8	93.7

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		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 1991	85.5	74.9	75.0	83.1	72.9	71.9	85.3	74.1	74.8	86.9	86.0	80.0
July 1991	84.7	70.8	71.3	81.5	70.8	68.3	84.3	70.8	71.1	85.7	82.6	77.4
August 1990	94.3	85.6	86.1	95.0	88.0	86.3	94.4	85.9	86.1	98.6	96.5	93.1
Florida												
August 1991	85.6	75.1	75.3	81.1	W	72.1	85.3	73.5	75.0	88.4	86.2	77.5
July 1991	85.4	71.1	71.6	80.7	W	68.5	85.0	70.3	71.3	87.0	82.0	75.9
August 1990	93.6	86.8	86.0	W	W	84.6	94.2	87.0	85.9	100.4	97.1	93.5
Georgia												
August 1991	84.6	74.4	75.3	82.3	W	71.7	84.4	74.6	74.9	89.3	85.7	80.2
July 1991	82.4	70.3	71.0	81.9	W	68.2	82.4	70.5	70.8	88.8	82.8	76.6
August 1990	93.8	84.0	86.2	W	-	86.7	93.7	84.0	86.2	96.7	96.1	92.2
North Carolina												
August 1991	84.8	72.9	74.7	W	-	71.5	84.8	72.9	74.6	84.9	85.7	80.6
July 1991	83.6	68.9	70.7	W	-	67.8	83.4	68.9	70.6	83.4	81.9	78.0
August 1990	94.1	84.5	86.2	W	-	88.1	94.0	84.5	86.3	97.3	96.6	93.9
South Carolina												
August 1991	83.8	77.5	75.3	W	-	71.7	83.5	77.5	75.2	88.1	84.3	80.4
July 1991	82.9	74.4	71.3	W	-	67.6	82.4	74.4	71.1	86.8	82.4	77.8
August 1990	93.1	84.0	86.1	W	-	85.7	93.0	84.0	86.1	104.8	96.0	94.6
Virginia												
August 1991	84.8	72.4	74.3	W	W	71.5	85.0	71.3	74.2	84.7	86.4	79.4
July 1991	83.0	68.7	71.3	W	W	68.3	83.0	68.8	71.2	82.9	83.3	78.5
August 1990	95.3	84.8	86.3	W	W	87.4	94.6	84.1	86.4	97.0	96.5	92.2
West Virginia												
August 1991	96.5	W	77.4	-	W	W	96.5	82.8	77.4	87.5	87.8	84.9
July 1991	96.4	W	74.4	-	W	W	96.4	80.3	W	87.8	84.9	82.5
August 1990	103.7	95.1	85.9	W	W	W	103.7	94.7	86.0	101.9	97.6	94.8
PAD District II Average												
August 1991	87.0	80.7	76.9	83.3	79.8	73.4	86.5	80.6	76.6	86.5	86.8	79.4
July 1991	84.3	78.0	72.8	80.0	76.5	70.0	83.7	77.9	72.6	84.2	84.3	76.5
August 1990	98.5	92.3	89.1	96.2	W	87.6	98.2	92.4	89.0	101.8	100.7	92.9
Illinois												
August 1991	88.2	W	79.5	W	-	73.4	87.7	W	79.4	85.6	83.2	79.1
July 1991	84.4	W	74.6	W	-	70.4	84.0	W	74.5	82.5	81.1	75.9
August 1990	97.4	82.5	88.6	W	-	89.4	97.3	82.5	88.6	100.0	96.8	92.7
Indiana												
August 1991	85.3	77.4	76.3	W	-	74.3	85.1	77.4	76.0	88.2	84.8	78.9
July 1991	83.2	76.0	72.8	W	-	70.1	83.0	76.0	72.4	87.3	84.0	77.0
August 1990	96.6	93.5	89.0	W	-	90.4	96.4	93.5	89.2	106.9	99.0	93.3
Iowa												
August 1991	W	-	NA	86.2	-	74.9	85.8	-	72.9	88.0	90.0	79.8
July 1991	W	-	72.1	83.7	-	W	82.9	-	72.1	81.7	89.8	76.8
August 1990	W	-	91.1	W	-	-	100.4	-	91.1	97.7	W	89.8
Kansas												
August 1991	88.7	-	77.3	86.1	-	72.0	88.4	-	77.2	88.6	90.4	79.1
July 1991	82.4	-	72.3	79.5	-	71.4	82.0	-	72.3	84.5	90.6	77.3
August 1990	103.2	W	88.1	W	-	W	102.7	W	83.6	102.9	W	W
Kentucky												
August 1991	87.4	83.9	76.6	84.9	-	72.6	87.3	83.9	76.4	87.6	86.2	81.6
July 1991	86.0	77.1	72.4	85.1	-	68.4	86.0	77.1	72.2	86.0	79.0	77.6
August 1990	100.5	95.2	89.5	100.8	-	87.3	100.5	95.2	89.4	101.4	96.3	98.5
Michigan												
August 1991	83.8	77.2	76.1	W	-	73.6	82.9	77.2	76.1	86.8	86.9	77.8
July 1991	80.2	W	72.1	W	-	70.3	79.4	W	72.1	84.1	85.1	76.0
August 1990	95.9	89.3	89.9	W	-	88.0	95.9	89.3	89.9	100.6	99.1	92.2
Minnesota												
August 1991	94.7	W	79.8	86.9	-	W	93.2	W	79.7	87.9	90.7	NA
July 1991	90.1	-	75.8	81.3	-	W	88.4	-	75.7	83.8	91.8	77.2
August 1990	101.6	-	92.5	W	-	-	101.3	-	92.5	W	NA	W
Missouri												
August 1991	87.3	-	76.6	84.2	W	73.9	86.6	W	76.1	83.7	89.4	77.4
July 1991	81.0	-	71.2	78.8	W	69.7	80.5	W	71.1	81.4	89.0	74.5
August 1990	97.4	W	87.7	W	-	86.6	97.5	W	87.6	99.7	W	92.6

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		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 1991	W	-	W	W	-	W	W	-	W	89.4	W	79.2
July 1991	W	-	W	W	-	W	W	-	W	86.7	W	76.6
August 1990	W	-	W	-	-	-	W	-	W	W	-	-
North Dakota												
August 1991	97.1	W	W	-	-	-	97.1	W	W	94.3	33.6	82.8
July 1991	93.9	W	W	-	-	-	93.9	W	W	92.5	30.8	79.1
August 1990	W	W	W	-	-	-	W	W	W	W	102.5	W
Ohio												
August 1991	87.6	81.3	77.9	W	W	74.0	87.6	81.5	77.8	88.1	87.4	82.1
July 1991	85.8	80.1	74.1	W	W	70.3	85.8	80.3	74.0	85.2	83.7	78.1
August 1990	99.6	93.0	90.7	W	W	84.2	99.5	93.2	90.5	99.3	108.5	93.0
Oklahoma												
August 1991	85.7	W	73.4	84.7	W	73.0	85.5	71.8	73.3	84.3	87.9	75.0
July 1991	81.2	W	70.6	78.1	-	69.9	80.5	W	70.5	80.7	84.9	74.2
August 1990	99.0	W	86.0	W	-	92.2	98.5	W	87.8	98.9	W	103.2
South Dakota												
August 1991	-	-	W	-	-	W	-	-	80.5	93.2	95.0	83.3
July 1991	-	-	W	-	-	W	-	-	78.5	91.3	W	78.2
August 1990	-	-	W	-	-	-	-	-	W	-	-	NA
Tennessee												
August 1991	84.2	78.7	75.0	W	W	71.5	83.9	77.4	74.7	85.0	87.7	80.7
July 1991	82.8	71.2	70.8	80.5	W	67.9	82.3	70.8	70.5	83.7	83.5	76.8
August 1990	96.3	86.1	87.3	W	W	86.6	96.4	86.3	87.4	96.7	99.4	93.1
Wisconsin												
August 1991	85.8	-	75.4	W	-	W	84.7	-	74.9	85.6	86.3	77.1
July 1991	83.7	-	72.6	W	-	W	82.8	-	72.5	85.2	85.5	75.2
August 1990	100.0	-	88.6	W	-	W	98.7	-	88.8	99.9	104.0	87.3
PAD District III Average												
August 1991	87.3	74.6	75.4	90.6	72.0	71.9	88.2	73.9	74.6	86.1	80.4	79.5
July 1991	85.6	68.9	71.3	89.3	67.0	68.4	86.7	68.5	70.8	84.8	77.8	77.5
August 1990	94.8	85.4	86.0	95.3	83.6	87.9	94.9	85.0	86.3	99.7	96.2	90.9
Alabama												
August 1991	87.3	75.1	75.9	89.9	W	73.0	87.7	74.7	75.4	86.4	84.1	79.9
July 1991	85.9	68.2	71.7	90.3	W	69.5	86.5	68.2	71.4	86.2	81.7	78.2
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
Arkansas												
August 1991	87.4	-	73.8	W	W	71.7	86.9	W	73.3	83.8	79.8	78.1
July 1991	83.9	-	70.5	W	W	68.5	83.9	W	70.0	81.7	82.5	74.8
August 1990	99.7	-	86.5	96.6	W	87.4	98.3	W	86.8	103.6	NA	94.2
Louisiana												
August 1991	89.2	W	75.6	94.7	W	71.7	89.9	W	74.7	86.0	83.5	79.7
July 1991	88.0	W	72.0	94.0	W	69.3	88.9	W	W	85.0	78.5	76.5
August 1990	93.8	W	85.8	98.5	W	86.3	94.2	W	85.8	95.6	97.8	NA
Mississippi												
August 1991	85.6	W	74.0	83.5	W	71.9	85.1	75.4	73.7	86.3	81.5	78.1
July 1991	85.1	W	70.5	83.8	68.5	68.1	84.8	69.6	70.2	85.6	79.2	76.0
August 1990	99.0	W	87.4	W	W	97.1	99.1	86.5	89.6	98.5	102.3	96.9
New Mexico												
August 1991	W	-	75.8	-	-	75.0	W	-	75.7	89.9	84.0	85.7
July 1991	W	-	71.6	-	-	W	W	-	73.5	87.0	79.9	87.8
August 1990	W	-	W	-	-	-	W	-	W	104.8	W	-
Texas												
August 1991	87.1	76.4	75.6	91.0	W	71.7	88.1	74.4	W	86.5	79.2	79.7
July 1991	85.3	70.5	71.2	89.6	W	67.8	86.6	68.9	70.6	84.5	76.6	78.4
August 1990	94.6	87.1	85.5	W	W	85.9	94.7	85.6	85.6	97.9	90.3	87.7
PAD District IV Average												
August 1991	83.4	W	76.8	86.0	-	73.0	84.2	W	76.6	88.6	86.9	78.3
July 1991	77.2	-	71.6	81.6	-	70.2	78.7	-	71.6	85.7	82.3	73.3
August 1990	94.9	W	86.7	W	-	89.3	92.5	W	86.8	NA	103.7	97.4

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		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 1991	83.7	W	76.2	86.0	-	73.0	84.6	W	76.0	90.0	W	77.0
July 1991	79.1	-	71.9	81.6	-	70.2	80.2	-	71.8	88.7	W	72.6
August 1990	95.4	-	86.4	W	-	89.9	92.5	-	86.5	113.8	W	W
Idaho												
August 1991	-	-	-	-	-	-	-	-	-	81.3	W	W
July 1991	-	-	-	-	-	-	-	-	-	77.7	W	W
August 1990	-	-	-	-	-	-	-	-	-	-	-	-
Montana												
August 1991	-	-	-	-	-	-	-	-	-	-	W	W
July 1991	-	-	-	-	-	-	-	-	-	-	W	W
August 1990	-	-	-	-	-	-	-	-	-	-	W	W
Utah												
August 1991	82.7	-	W	-	-	-	82.7	-	W	84.7	81.5	80.1
July 1991	73.4	-	W	-	-	-	73.4	-	W	78.0	72.8	73.9
August 1990	W	W	W	-	-	W	W	W	W	W	-	W
Wyoming												
August 1991	-	-	W	-	-	-	-	-	W	W	W	80.3
July 1991	-	-	W	-	-	-	-	-	W	W	W	W
August 1990	W	W	W	-	-	-	W	W	W	W	W	W
PAD District V Average												
August 1991	66.7	W	65.7	W	W	W	70.0	70.0	65.7	76.5	92.5	82.1
July 1991	67.4	W	62.8	W	W	W	68.5	64.8	62.8	73.4	91.6	77.6
August 1990	82.4	W	83.3	W	W	W	89.7	88.9	83.4	NA	108.2	NA
Alaska												
August 1991	-	-	-	-	W	-	-	W	-	W	W	120.1
July 1991	-	-	-	-	W	-	-	W	-	W	W	W
August 1990	-	-	-	W	W	-	W	W	-	-	-	-
Arizona												
August 1991	W	-	W	-	-	W	W	-	76.1	W	W	-
July 1991	W	-	W	-	-	-	W	-	W	W	-	-
August 1990	W	-	-	-	-	W	W	-	W	W	-	-
California												
August 1991	W	W	W	-	-	-	W	W	W	75.9	81.3	W
July 1991	W	W	W	-	-	-	W	W	W	72.7	82.7	W
August 1990	W	W	82.1	-	-	-	W	W	82.1	W	W	-
Hawaii												
August 1991	W	W	92.5	W	W	W	110.4	W	92.2	-	W	103.6
July 1991	W	W	87.8	W	W	W	106.6	W	87.6	-	W	97.7
August 1990	W	W	99.2	W	W	W	111.3	W	99.1	W	113.8	111.8
Nevada												
August 1991	-	-	W	-	-	-	-	-	W	-	W	W
July 1991	-	-	W	-	-	-	-	-	W	-	W	72.8
August 1990	-	-	W	-	-	-	-	-	W	-	-	-
Oregon												
August 1991	W	-	W	-	-	-	W	-	W	-	-	-
July 1991	W	-	-	-	-	-	W	-	-	-	-	-
August 1990	W	-	-	-	-	-	W	-	-	-	-	-
Washington												
August 1991	-	-	W	-	-	-	-	-	W	-	W	W
July 1991	-	-	W	-	-	-	-	-	W	-	W	W
August 1990	-	-	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		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 1991	92.8	80.9	82.6	91.3	79.1	76.3	92.5	80.4	81.9	95.1	90.9	85.8
July 1991	90.8	77.7	79.3	89.6	74.8	72.1	90.6	76.9	78.5	93.4	87.9	82.8
August 1990	104.1	94.0	95.1	104.5	93.7	93.2	104.2	93.9	94.9	109.5	107.4	99.3
PAD District I Average												
August 1991	95.0	80.5	85.4	93.7	79.6	77.2	94.9	80.2	84.9	98.3	92.6	87.3
July 1991	94.2	77.9	82.6	94.1	76.2	73.0	94.2	77.3	81.9	97.1	89.9	84.5
August 1990	102.6	93.6	95.4	104.7	95.6	93.8	102.8	94.2	95.3	110.2	105.6	101.0
Subdistrict IA Average												
August 1991	100.1	90.1	90.0	-	W	W	100.1	83.3	89.1	105.9	91.0	91.7
July 1991	99.4	85.6	87.7	-	W	W	99.4	76.3	87.0	105.3	88.0	89.2
August 1990	104.5	98.3	99.3	-	W	W	104.5	97.1	99.2	115.5	106.7	101.7
Connecticut												
August 1991	W	89.4	89.1	-	W	W	W	87.9	89.0	105.4	95.9	92.7
July 1991	W	82.8	86.9	-	W	W	W	76.2	86.7	105.3	93.3	90.9
August 1990	W	100.0	98.5	-	-	W	W	100.0	98.5	115.9	107.5	103.2
Maine												
August 1991	W	W	84.6	-	W	W	W	W	84.5	109.1	95.2	87.7
July 1991	W	W	80.6	-	W	W	W	76.2	80.2	106.9	89.5	85.1
August 1990	W	W	95.4	-	-	W	W	W	95.3	117.5	105.8	99.5
Massachusetts												
August 1991	101.5	89.7	92.1	-	W	W	101.5	82.8	90.1	105.0	86.2	92.3
July 1991	101.4	87.0	90.3	-	W	W	101.4	76.7	89.4	105.1	83.4	89.7
August 1990	106.0	98.5	100.9	-	W	W	106.0	96.9	100.8	114.3	106.9	100.4
New Hampshire												
August 1991	W	W	91.3	-	W	W	W	W	91.1	108.7	94.4	93.9
July 1991	W	-	88.1	-	W	W	W	W	W	108.1	91.9	90.1
August 1990	W	W	99.1	-	W	W	W	W	W	116.6	109.4	103.5
Rhode Island												
August 1991	99.4	W	89.6	-	W	W	99.4	W	88.5	101.0	85.6	88.7
July 1991	98.0	W	86.6	-	W	W	98.0	96.9	84.7	99.6	81.7	84.6
August 1990	105.9	W	99.1	-	-	W	105.9	W	98.8	112.5	W	99.2
Vermont												
August 1991	-	-	W	-	-	W	-	-	W	107.0	95.7	93.6
July 1991	-	-	W	-	-	W	-	-	85.2	105.5	91.7	92.4
August 1990	W	-	W	-	-	W	W	-	98.1	115.6	106.1	107.1
Subdistrict IB Average												
August 1991	97.3	80.4	86.8	97.0	85.9	78.3	97.3	81.8	86.3	99.8	92.8	85.9
July 1991	96.5	80.6	84.5	97.4	83.6	73.2	96.6	81.7	83.7	98.8	90.7	82.7
August 1990	102.5	96.0	95.9	107.2	96.4	93.8	103.0	96.1	95.8	111.3	105.2	101.6
Delaware												
August 1991	W	W	83.5	-	-	76.0	W	W	82.8	98.7	95.6	79.7
July 1991	W	W	82.0	-	-	73.6	W	W	81.3	97.0	90.6	79.0
August 1990	W	W	92.5	-	-	W	W	W	92.5	109.9	104.0	96.7
District of Columbia												
August 1991	-	W	85.8	-	-	-	-	W	85.8	W	94.5	81.9
July 1991	-	W	83.3	-	-	-	-	W	83.3	W	89.3	74.3
August 1990	-	W	96.5	-	-	-	-	W	96.5	W	105.6	94.4
Maryland												
August 1991	-	79.0	85.8	-	-	84.2	-	79.0	85.7	98.2	91.9	86.2
July 1991	-	77.3	82.3	-	-	84.0	-	77.3	82.4	95.9	88.7	83.8
August 1990	-	91.6	95.0	W	-	93.7	W	91.6	94.9	108.0	103.0	100.4
New Jersey												
August 1991	97.5	78.7	87.2	W	W	76.5	97.7	78.7	86.3	100.0	93.5	84.4
July 1991	95.4	79.5	84.9	W	W	70.4	95.6	79.2	82.8	96.8	90.7	78.5
August 1990	102.6	95.5	95.3	W	W	93.3	102.8	95.1	95.2	112.6	109.0	99.2
New York												
August 1991	98.4	84.8	90.1	W	W	77.5	97.3	84.8	89.7	101.6	89.0	85.5
July 1991	98.5	84.1	88.8	W	W	74.6	97.6	83.0	88.4	101.5	86.3	84.2
August 1990	102.3	100.8	97.2	W	W	91.2	102.6	95.6	97.0	116.0	103.2	104.0
Pennsylvania												
August 1991	96.0	83.6	83.2	101.4	W	78.3	96.7	85.3	83.0	98.8	96.0	87.9
July 1991	95.4	86.1	80.6	101.5	W	74.5	96.2	85.0	80.3	98.4	95.3	85.8
August 1990	102.1	98.8	95.5	109.8	W	96.6	103.2	99.9	95.5	108.6	103.6	101.7

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		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 1991	93.3	80.0	82.0	91.5	76.8	76.2	93.1	79.0	81.6	95.7	92.7	86.6
July 1991	92.5	76.5	78.4	92.1	73.7	72.6	92.4	75.7	78.0	94.4	89.5	83.9
August 1990	102.3	92.0	93.5	103.2	95.0	93.5	102.4	92.7	93.5	107.9	105.7	100.4
Florida												
August 1991	92.6	80.4	83.2	90.6	W	76.7	92.4	77.7	82.6	96.9	92.2	86.3
July 1991	92.5	76.2	79.8	91.3	W	72.9	92.4	74.6	79.2	95.6	88.6	84.0
August 1990	101.0	92.0	93.8	105.7	W	89.8	101.4	93.3	93.5	107.0	106.1	101.6
Georgia												
August 1991	93.5	78.9	81.7	90.8	W	76.1	93.2	79.0	81.1	98.1	90.1	87.0
July 1991	91.2	74.5	77.6	90.9	W	72.2	91.2	74.5	77.1	97.4	86.2	84.1
August 1990	102.7	92.0	93.1	W	W	93.4	102.7	91.9	93.1	104.2	103.8	99.3
North Carolina												
August 1991	93.1	W	80.7	W	-	75.4	93.1	W	80.4	93.4	93.5	86.8
July 1991	91.7	74.5	76.7	W	-	72.0	91.6	74.5	76.4	92.0	88.3	83.6
August 1990	103.3	87.9	93.1	W	-	93.9	103.3	87.9	93.1	106.5	106.4	100.5
South Carolina												
August 1991	92.7	82.2	81.6	W	-	75.5	92.4	82.2	81.1	98.6	91.3	84.2
July 1991	92.0	78.4	77.5	W	-	72.0	93.2	76.4	77.0	96.5	91.5	81.2
August 1990	103.5	91.8	93.0	W	-	103.7	103.2	91.8	94.4	114.6	105.3	101.3
Virginia												
August 1991	93.2	78.2	81.5	W	W	75.3	93.3	78.0	81.2	93.0	93.5	86.6
July 1991	91.2	76.5	78.4	W	W	72.4	91.3	75.8	78.2	91.2	92.4	84.9
August 1990	103.0	87.8	93.9	W	W	93.5	102.6	88.5	93.9	108.7	105.1	100.6
West Virginia												
August 1991	105.8	89.3	82.6	W	W	W	104.9	89.0	82.5	94.2	95.1	90.4
July 1991	105.6	84.4	79.4	W	W	76.9	104.7	85.2	79.2	93.5	92.9	88.3
August 1990	114.0	107.7	94.1	100.8	W	W	113.4	106.9	94.1	110.3	106.5	102.9
PAD District II Average												
August 1991	93.8	84.9	82.5	89.2	81.5	77.1	92.6	84.7	81.7	93.1	91.3	84.3
July 1991	91.1	81.4	78.7	86.2	77.8	74.2	89.9	81.2	78.0	90.9	88.2	81.3
August 1990	107.1	94.5	95.6	102.7	98.5	91.3	106.0	94.6	94.9	107.9	106.6	98.5
Illinois												
August 1991	95.8	91.0	85.2	W	-	75.2	94.5	91.0	84.3	91.1	89.6	84.8
July 1991	91.7	84.9	81.0	W	-	72.8	90.7	84.9	80.2	88.1	85.6	81.5
August 1990	105.5	93.2	95.9	W	-	81.7	104.8	93.2	94.0	106.0	105.0	99.1
Indiana												
August 1991	91.9	79.3	82.6	W	-	77.3	91.0	79.3	81.9	94.7	93.3	85.5
July 1991	89.5	77.0	79.2	W	-	73.1	88.7	77.0	78.0	94.4	92.3	79.2
August 1990	104.7	92.2	96.5	W	-	91.8	103.8	92.2	95.9	NA	106.2	101.6
Iowa												
August 1991	93.7	-	80.6	88.9	-	77.3	90.1	-	79.8	92.8	92.8	82.8
July 1991	91.2	-	78.8	86.1	-	75.6	87.4	-	78.2	89.4	89.0	82.5
August 1990	W	-	95.1	102.8	-	92.4	103.8	-	94.5	105.6	105.9	98.6
Kansas												
August 1991	96.4	W	79.9	91.3	W	75.6	93.7	79.4	77.9	93.8	86.5	80.3
July 1991	90.5	W	76.8	87.3	W	73.6	88.8	W	75.4	89.7	88.2	78.6
August 1990	110.0	W	89.8	104.0	W	89.9	106.9	W	89.8	105.1	109.3	93.4
Kentucky												
August 1991	94.9	88.4	83.0	88.3	W	77.9	94.2	68.3	82.7	95.4	91.4	87.2
July 1991	93.3	80.9	78.8	87.0	-	73.5	92.6	80.9	78.4	94.0	84.3	84.6
August 1990	109.7	99.9	96.8	105.7	-	95.6	109.3	99.9	96.7	111.3	106.5	103.9
Michigan												
August 1991	90.6	W	82.6	W	-	79.1	89.1	W	82.3	95.4	93.3	83.6
July 1991	87.0	80.5	79.1	W	-	75.9	85.7	80.5	78.8	92.4	91.0	80.9
August 1990	102.3	89.8	97.5	W	-	96.0	102.6	89.8	97.4	109.3	104.8	99.8
Minnesota												
August 1991	94.9	W	85.4	93.4	W	80.4	94.5	W	83.7	93.0	93.0	85.4
July 1991	90.1	80.4	81.0	88.6	-	78.5	89.8	80.4	80.2	91.3	91.8	80.9
August 1990	106.1	W	95.5	105.4	W	97.2	106.0	100.6	96.1	106.4	105.7	98.2
Missouri												
August 1991	95.8	W	81.4	91.0	W	76.3	94.1	W	80.3	90.4	92.9	81.2
July 1991	89.2	W	76.7	86.5	W	73.2	88.3	76.6	75.9	87.2	94.3	79.2
August 1990	103.9	W	93.8	102.9	-	91.2	103.5	W	93.2	105.1	100.3	95.6

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 1991	W	-	81.1	86.6	-	77.1	89.8	-	80.2	90.7	NA	79.2
July 1991	W	-	79.1	84.4	-	75.1	87.6	-	78.3	86.9	NA	77.9
August 1990	W	-	94.7	102.4	-	91.5	106.2	-	93.9	97.5	W	94.1
North Dakota												
August 1991	101.3	W	84.2	W	-	82.0	100.6	W	83.8	93.0	99.8	87.4
July 1991	97.2	W	83.4	W	-	76.8	96.4	W	81.2	NA	96.1	85.9
August 1990	111.5	-	97.7	W	-	96.7	111.6	-	97.4	108.0	113.4	NA
Ohio												
August 1991	94.3	88.3	83.7	W	W	77.7	94.0	88.4	83.5	94.8	89.7	85.2
July 1991	93.1	85.7	79.9	W	W	74.9	92.8	85.8	79.8	93.1	87.4	81.7
August 1990	111.4	95.4	97.9	W	W	92.0	110.4	95.5	97.7	107.5	112.4	98.6
Oklahoma												
August 1991	91.1	W	76.8	89.6	W	74.9	90.8	76.0	76.2	88.0	88.2	79.8
July 1991	86.8	W	74.0	83.5	W	72.3	86.0	75.4	73.5	84.9	90.8	80.1
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
South Dakota												
August 1991	W	-	82.9	W	-	78.8	W	-	82.0	97.5	93.1	82.1
July 1991	W	-	80.3	W	-	76.2	91.3	-	79.4	94.5	90.4	80.6
August 1990	W	W	96.2	W	-	92.5	103.1	W	95.1	111.1	106.1	100.1
Tennessee												
August 1991	93.3	82.6	81.2	88.1	W	75.8	91.8	82.1	80.6	93.7	91.8	87.5
July 1991	91.3	76.0	77.0	86.1	W	72.4	89.8	75.8	76.5	92.7	85.7	83.2
August 1990	106.2	98.5	94.4	103.7	-	95.0	105.5	98.5	94.4	106.1	105.5	100.0
Wisconsin												
August 1991	90.5	W	81.4	W	W	79.3	89.8	83.8	81.0	94.2	91.1	81.9
July 1991	89.5	W	78.6	W	W	76.6	88.7	81.1	78.2	93.6	89.8	80.3
August 1990	109.2	100.2	95.2	W	W	94.8	107.1	99.5	95.1	108.0	109.4	99.0
PAD District III Average												
August 1991	94.4	78.7	81.3	97.6	82.0	75.1	95.1	79.4	79.8	93.4	86.1	84.8
July 1991	92.3	76.1	76.8	96.5	75.6	71.4	93.2	76.0	75.5	92.3	83.2	82.4
August 1990	102.6	89.6	90.0	103.8	96.4	90.4	102.8	90.2	90.1	108.5	101.5	92.9
Alabama												
August 1991	95.3	82.0	82.0	95.9	W	76.5	95.4	80.5	81.2	95.3	93.2	88.5
July 1991	95.2	75.2	77.7	96.0	W	72.5	95.3	74.1	77.0	95.0	87.6	85.2
August 1990	105.1	88.9	94.0	104.9	W	93.9	105.0	89.2	94.0	116.8	110.6	104.5
Arkansas												
August 1991	97.3	W	79.3	84.2	-	76.3	92.6	W	78.6	91.1	88.3	82.3
July 1991	93.7	W	75.8	82.3	W	73.2	89.6	72.6	75.2	90.1	83.9	80.7
August 1990	109.1	W	92.4	W	W	91.5	107.9	W	W	110.7	111.3	99.5
Louisiana												
August 1991	96.6	W	81.9	101.6	96.3	75.5	97.1	81.5	80.6	91.9	88.6	85.6
July 1991	95.2	W	78.4	101.2	86.5	70.1	95.8	76.0	76.2	91.2	84.0	82.3
August 1990	101.0	W	85.9	108.6	106.0	93.5	101.5	W	86.7	104.2	106.3	93.6
Mississippi												
August 1991	93.7	W	81.4	88.0	77.3	76.5	92.0	79.8	80.4	93.6	88.3	83.2
July 1991	93.9	W	75.7	87.3	72.4	72.3	92.0	75.6	75.1	92.9	87.3	83.9
August 1990	108.9	W	90.8	W	W	92.5	108.0	95.7	91.2	109.5	104.3	94.1
New Mexico												
August 1991	94.1	W	80.8	W	W	79.1	96.7	79.7	80.4	94.4	91.2	87.5
July 1991	90.7	W	77.4	W	W	76.9	92.9	76.5	77.3	92.3	87.0	85.8
August 1990	106.7	W	92.5	W	-	93.8	105.4	W	92.8	108.7	109.6	NA
Texas												
August 1991	93.9	78.4	81.3	98.3	79.2	74.3	94.8	78.5	79.3	93.2	83.7	84.5
July 1991	91.4	77.0	76.3	97.2	75.5	71.0	92.8	76.8	75.0	91.5	81.1	81.7
August 1990	102.4	90.4	90.3	103.2	91.2	88.6	102.5	90.5	89.9	103.9	94.9	88.7
PAD District IV Average												
August 1991	89.5	77.8	78.9	92.0	W	78.0	90.4	78.0	78.7	91.4	88.6	82.0
July 1991	84.4	W	74.0	88.7	W	73.5	85.9	73.3	73.9	78.1	85.6	78.1
August 1990	103.4	88.1	91.9	103.4	W	92.2	103.4	88.3	92.0	109.6	105.5	97.5

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	
Colorado												
August 1991	89.9	W	80.3	92.3	-	78.2	90.9	W	79.8	92.2	88.0	80.6
July 1991	86.2	W	76.5	89.1	W	75.3	87.5	W	76.2	90.0	86.8	78.6
August 1990	105.4	W	93.1	103.3	-	92.1	104.5	W	92.8	114.0	105.8	102.9
Idaho												
August 1991	W	-	77.5	W	-	77.5	90.0	-	77.5	89.1	89.3	82.2
July 1991	W	-	71.9	W	-	71.0	89.0	-	71.7	86.6	85.6	76.5
August 1990	W	-	92.0	W	-	93.5	107.9	-	92.3	108.6	105.6	97.0
Montana												
August 1991	W	-	76.5	W	-	77.5	W	-	76.7	91.3	90.8	80.7
July 1991	W	W	72.9	W	W	73.1	W	W	73.0	91.7	90.1	76.0
August 1990	W	W	91.8	W	-	93.9	W	W	92.4	109.1	106.7	98.8
Utah												
August 1991	88.7	W	78.5	W	W	77.6	88.7	W	78.3	88.9	86.7	84.9
July 1991	79.2	W	71.5	W	W	71.0	79.3	W	71.4	82.0	77.5	79.5
August 1990	99.3	W	89.7	W	W	90.1	99.4	90.4	89.8	99.6	W	NA
Wyoming												
August 1991	W	W	80.8	W	W	79.4	90.3	80.4	W	96.2	90.5	83.3
July 1991	W	W	76.8	W	W	74.9	88.7	W	W	95.3	87.9	78.9
August 1990	106.9	W	94.3	105.4	W	93.7	106.0	86.0	W	111.5	101.1	100.6
PAD District V Average												
August 1991	86.2	78.4	76.9	86.7	76.5	75.0	86.3	77.9	76.7	90.4	91.8	85.5
July 1991	83.8	73.1	74.4	84.7	71.2	67.5	84.0	72.5	73.9	88.3	87.9	81.2
August 1990	104.7	99.5	97.4	110.3	NA	100.6	105.6	NA	97.7	112.1	114.8	102.9
Alaska												
August 1991	W	-	W	W	W	W	95.5	W	W	114.6	105.2	100.4
July 1991	W	-	W	W	W	W	95.5	W	W	114.3	99.5	100.1
August 1990	W	-	W	W	W	W	W	W	104.4	W	138.2	125.3
Arizona												
August 1991	NA	82.3	73.2	W	-	75.8	NA	82.3	73.3	90.0	87.9	80.0
July 1991	NA	W	71.0	W	-	72.6	NA	W	71.1	90.2	89.0	77.4
August 1990	99.0	W	94.9	W	-	97.2	99.2	W	95.1	105.0	110.3	110.2
California												
August 1991	85.8	77.6	75.9	83.5	W	73.7	85.4	77.5	75.7	87.9	91.4	85.6
July 1991	83.3	72.1	73.7	81.3	W	66.2	82.9	71.7	73.1	85.5	86.2	80.3
August 1990	104.9	101.5	97.3	W	NA	101.1	105.6	NA	97.6	114.1	117.1	101.8
Hawaii												
August 1991	W	W	100.5	W	W	W	111.7	78.7	99.9	-	114.5	110.5
July 1991	W	W	96.2	W	W	W	109.8	74.0	95.6	-	111.5	106.1
August 1990	W	W	107.1	W	W	W	W	92.7	107.1	W	122.2	113.4
Nevada												
August 1991	85.0	-	78.8	W	-	77.7	85.7	-	78.7	91.4	88.2	83.0
July 1991	83.8	-	75.2	W	-	72.6	84.3	-	74.9	88.5	86.9	78.0
August 1990	103.4	-	97.4	W	W	97.4	103.4	W	97.4	108.8	114.4	106.8
Oregon												
August 1991	91.9	W	78.7	W	-	W	92.1	W	78.7	97.4	94.1	87.1
July 1991	89.0	W	74.1	W	-	70.1	89.1	W	73.9	93.7	90.7	81.4
August 1990	108.8	W	97.4	W	W	96.1	108.7	W	97.3	113.4	109.3	106.0
Washington												
August 1991	88.4	80.5	78.5	W	-	78.1	88.5	80.5	78.4	92.2	90.7	83.5
July 1991	86.4	75.4	75.5	W	-	71.5	86.8	75.4	75.3	90.8	86.2	81.0
August 1990	106.7	100.8	96.1	W	-	97.5	106.6	100.8	96.2	111.0	104.9	101.3

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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 1991	105.8	100.2	63.8	63.3	63.4	29.6
July 1991	103.6	98.9	59.7	59.4	60.6	27.6
August 1990	112.6	110.4	70.3	71.3	64.7	36.3
PAD District I Average						
August 1991	107.3	100.5	64.2	65.5	W	34.0
July 1991	105.6	99.4	60.6	61.5	80.2	30.8
August 1990	113.7	107.6	71.2	77.6	81.4	41.9
Subdistrict IA Average						
August 1991	W	W	67.3	69.2	W	36.1
July 1991	W	W	63.9	65.1	W	31.6
August 1990	W	116.7	74.3	79.4	W	40.4
Connecticut						
August 1991	W	W	67.1	W	W	34.8
July 1991	W	W	64.0	W	W	29.5
August 1990	W	W	74.1	W	W	41.3
Maine						
August 1991	W	W	W	W	W	W
July 1991	W	W	68.2	W	W	W
August 1990	W	W	W	W	W	38.6
Massachusetts						
August 1991	W	W	66.3	70.0	W	36.9
July 1991	W	W	62.7	66.3	W	33.1
August 1990	W	116.7	72.3	80.5	W	38.8
New Hampshire						
August 1991	W	W	75.9	W	W	35.7
July 1991	W	W	W	W	-	31.2
August 1990	W	W	W	W	W	41.9
Rhode Island						
August 1991	W	W	69.5	W	-	38.7
July 1991	W	W	67.6	W	-	35.5
August 1990	W	W	76.7	W	-	W
Vermont						
August 1991	W	W	W	W	W	38.2
July 1991	W	W	W	-	W	35.2
August 1990	W	W	90.1	W	W	42.2
Subdistrict IB Average						
August 1991	W	103.3	63.9	64.7	81.4	29.4
July 1991	W	102.3	60.5	60.8	87.0	27.2
August 1990	W	110.5	70.6	77.2	87.3	39.9
Delaware						
August 1991	W	W	72.2	71.9	-	W
July 1991	W	W	70.2	W	W	W
August 1990	W	110.8	80.2	W	-	W
District of Columbia						
August 1991	-	-	-	-	-	-
July 1991	-	-	-	-	-	-
August 1990	-	-	-	-	-	-
Maryland						
August 1991	W	W	62.7	67.6	W	W
July 1991	W	W	59.8	65.7	W	24.9
August 1990	W	W	72.4	76.8	W	43.6
New Jersey						
August 1991	W	W	63.7	64.2	66.6	30.4
July 1991	W	W	60.1	60.0	68.4	27.0
August 1990	W	W	70.5	77.3	NA	39.0
New York						
August 1991	W	W	69.2	69.7	W	34.3
July 1991	W	W	65.0	68.0	W	31.8
August 1990	W	W	75.0	81.1	W	42.4
Pennsylvania						
August 1991	W	104.4	63.3	65.0	77.3	27.7
July 1991	W	W	60.9	62.1	W	25.7
August 1990	W	110.0	69.3	73.7	W	42.0
Subdistrict IC Average						
August 1991	104.2	99.3	63.8	68.1	W	36.3
July 1991	103.0	97.9	60.0	64.8	76.5	33.0
August 1990	111.2	105.2	71.2	78.1	NA	43.0

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 1991	101.7	96.7	65.3	70.6	W	39.4
July 1991	100.7	95.0	61.7	67.4	W	36.4
August 1990	109.7	103.7	72.4	81.5	NA	43.3
Georgia						
August 1991	105.4	100.8	61.5	63.7	W	35.2
July 1991	103.1	W	57.0	61.9	W	31.4
August 1990	110.6	W	69.7	73.1	W	41.4
North Carolina						
August 1991	108.4	W	63.4	70.1	W	35.8
July 1991	107.3	W	60.0	65.6	W	33.0
August 1990	W	W	71.7	77.5	67.2	43.4
South Carolina						
August 1991	W	98.3	68.0	W	85.0	36.1
July 1991	W	W	64.1	W	73.8	32.0
August 1990	W	W	76.8	W	71.3	43.0
Virginia						
August 1991	109.8	W	63.5	69.7	76.8	36.8
July 1991	109.0	W	60.3	65.3	73.5	32.9
August 1990	W	106.4	70.2	80.8	61.7	43.3
West Virginia						
August 1991	W	W	73.9	W	W	33.1
July 1991	W	W	71.0	W	W	25.0
August 1990	W	-	79.3	W	W	39.8
PAD District II Average						
August 1991	102.0	95.9	63.6	65.1	64.6	27.7
July 1991	98.4	95.5	60.2	62.0	63.7	26.6
August 1990	107.1	104.9	69.9	70.8	71.6	37.4
Illinois						
August 1991	W	94.7	62.1	63.2	69.6	29.5
July 1991	W	95.9	58.8	60.6	72.2	27.7
August 1990	W	W	67.4	75.1	NA	38.1
Indiana						
August 1991	95.3	93.0	63.6	66.6	76.3	31.1
July 1991	99.2	92.4	59.9	59.9	78.1	29.8
August 1990	101.5	100.4	70.4	62.9	W	37.4
Iowa						
August 1991	W	97.4	W	68.0	W	30.0
July 1991	W	97.3	W	65.5	W	29.0
August 1990	W	W	71.6	75.6	W	37.8
Kansas						
August 1991	W	95.8	61.4	63.3	W	24.7
July 1991	W	95.0	58.7	61.1	W	24.5
August 1990	W	106.9	62.1	69.8	W	36.3
Kentucky						
August 1991	W	103.7	65.6	75.7	33.6	28.0
July 1991	W	W	61.9	71.0	29.2	25.5
August 1990	W	108.3	72.3	83.1	37.1	34.2
Michigan						
August 1991	95.6	97.0	65.1	68.4	80.1	29.1
July 1991	93.3	97.3	61.3	64.8	83.0	30.1
August 1990	103.7	108.8	70.2	74.4	W	38.5
Minnesota						
August 1991	W	96.9	62.1	62.3	W	27.9
July 1991	W	96.2	59.5	59.6	W	27.2
August 1990	W	W	70.9	70.7	W	39.0
Missouri						
August 1991	W	96.4	62.6	W	53.9	30.4
July 1991	W	96.2	59.3	64.4	55.0	29.5
August 1990	W	106.1	65.8	74.6	51.0	41.7
Nebraska						
August 1991	W	94.5	65.7	71.5	W	29.5
July 1991	W	94.6	61.7	68.9	W	28.8
August 1990	W	104.2	72.2	75.6	W	39.2
North Dakota						
August 1991	102.2	W	67.6	68.8	W	25.8
July 1991	98.7	W	64.7	66.3	W	22.8
August 1990	112.6	W	72.5	74.5	W	35.1

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 1991	W	97.1	65.1	63.3	77.3	29.5
July 1991	W	98.3	61.6	NA	79.4	29.9
August 1990	W	107.4	69.5	74.8	W	37.0
Oklahoma						
August 1991	92.3	93.4	61.7	65.1	45.8	26.4
July 1991	92.0	90.7	58.4	60.4	41.7	24.5
August 1990	103.9	103.4	72.7	67.0	W	35.3
South Dakota						
August 1991	W	W	69.4	71.8	W	30.7
July 1991	W	W	65.3	W	W	29.1
August 1990	W	105.8	76.2	78.2	W	37.3
Tennessee						
August 1991	W	101.9	61.7	69.2	W	35.9
July 1991	W	100.1	59.1	64.6	W	31.1
August 1990	W	107.9	70.5	76.9	W	41.6
Wisconsin						
August 1991	-	97.0	68.6	69.9	60.3	30.7
July 1991	W	97.0	66.1	66.8	65.9	29.3
August 1990	W	W	71.5	75.9	W	41.7
PAD District III Average						
August 1991	104.6	93.8	61.4	61.1	39.7	30.0
July 1991	103.0	91.5	57.7	58.3	36.2	27.5
August 1990	110.0	104.2	67.8	66.0	36.3	34.3
Alabama						
August 1991	106.7	103.1	66.6	68.3	72.7	33.8
July 1991	105.1	100.8	63.0	64.4	59.3	29.8
August 1990	109.6	110.2	76.4	78.8	W	39.0
Arkansas						
August 1991	W	W	65.8	69.7	76.6	37.4
July 1991	W	W	63.4	65.1	77.3	34.8
August 1990	W	104.3	56.8	76.5	W	44.3
Louisiana						
August 1991	W	98.9	61.0	60.5	W	29.2
July 1991	W	95.3	57.4	57.5	39.4	26.9
August 1990	W	106.6	69.5	62.9	W	31.2
Mississippi						
August 1991	105.3	97.3	60.3	60.5	W	33.0
July 1991	103.3	96.5	56.5	59.5	W	29.3
August 1990	110.4	103.6	NA	64.4	NA	39.0
New Mexico						
August 1991	W	W	63.2	64.7	32.7	27.2
July 1991	W	W	59.4	61.7	33.0	26.6
August 1990	W	W	77.1	77.7	46.3	34.4
Texas						
August 1991	104.7	91.4	61.6	61.4	30.0	29.7
July 1991	103.1	88.0	57.8	58.2	29.2	27.2
August 1990	109.7	103.1	67.6	66.6	30.6	34.0
PAD District IV Average						
August 1991	107.6	99.8	65.2	69.0	W	25.4
July 1991	105.4	99.6	61.4	63.8	55.7	23.6
August 1990	110.4	107.4	71.1	73.7	60.9	32.4
Colorado						
August 1991	W	96.2	63.7	66.6	W	27.6
July 1991	96.2	96.0	60.4	61.2	W	25.7
August 1990	W	106.5	69.2	70.1	61.3	35.4
Idaho						
August 1991	W	W	71.2	75.7	W	W
July 1991	W	W	67.9	71.7	W	26.2
August 1990	W	W	80.2	84.4	W	W
Montana						
August 1991	W	W	69.6	W	W	24.2
July 1991	W	W	66.3	W	W	22.0
August 1990	W	W	77.2	W	W	32.8
Utah						
August 1991	W	101.0	65.7	72.6	W	26.3
July 1991	W	99.8	61.5	68.3	W	26.0
August 1990	W	105.0	71.8	79.6	W	31.1

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 1991	W	W	76.4	W	51.3	24.0
July 1991	W	W	74.9	W	W	22.4
August 1990	W	W	81.7	W	W	29.7
PAD District V Average						
August 1991	106.7	107.2	65.4	64.2	80.5	29.4
July 1991	106.2	106.3	60.0	58.8	83.2	28.8
August 1990	116.9	120.3	71.2	74.5	W	34.7
Alaska						
August 1991	W	W	72.7	68.9	W	W
July 1991	W	W	69.0	66.8	W	W
August 1990	W	127.6	71.2	79.2	W	W
Arizona						
August 1991	W	104.8	68.5	70.6	W	31.7
July 1991	108.6	103.2	63.2	62.0	W	30.9
August 1990	114.0	123.0	75.6	81.0	W	41.9
California						
August 1991	103.3	101.6	64.1	64.0	78.4	29.3
July 1991	102.5	101.3	58.2	58.0	82.4	28.8
August 1990	117.1	116.7	71.3	72.6	W	36.1
Hawaii						
August 1991	W	W	84.1	W	-	W
July 1991	W	W	80.4	W	-	W
August 1990	W	W	72.6	W	-	W
Nevada						
August 1991	W	106.4	68.9	70.7	W	27.6
July 1991	W	105.0	62.6	64.7	W	W
August 1990	W	120.9	79.5	82.0	NA	34.8
Oregon						
August 1991	W	W	67.2	W	W	37.5
July 1991	W	103.4	61.4	W	W	33.5
August 1990	W	W	76.0	76.7	W	NA
Washington						
August 1991	W	W	62.9	58.7	W	23.5
July 1991	113.1	W	58.1	56.4	W	23.6
August 1990	W	117.8	66.4	82.5	W	26.9

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: 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
(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 1991	68.7	66.9	68.1	67.8	63.1	61.3
July 1991	64.7	63.0	64.7	62.4	59.4	56.9
August 1990	87.4	80.7	82.5	82.5	75.9	73.0
PAD District I Average						
August 1991	69.1	68.4	72.5	68.5	63.7	61.6
July 1991	66.4	64.5	67.7	65.1	61.2	58.5
August 1990	89.8	81.4	78.5	83.0	76.7	72.9
Subdistrict IA Average						
August 1991	68.3	69.1	69.9	71.8	64.3	62.6
July 1991	67.2	64.7	W	W	61.5	59.5
August 1990	39.2	83.4	W	85.0	78.3	74.9
Connecticut						
August 1991	W	W	-	-	64.8	62.1
July 1991	W	W	-	-	61.3	59.5
August 1990	W	W	-	W	78.6	74.1
Maine						
August 1991	-	W	W	72.4	64.1	62.5
July 1991	-	W	-	W	60.8	59.2
August 1990	-	W	-	85.9	W	75.5
Massachusetts						
August 1991	68.1	66.6	-	W	64.1	62.4
July 1991	W	65.1	-	W	61.5	59.7
August 1990	W	85.0	W	W	77.8	75.0
New Hampshire						
August 1991	-	W	W	W	64.2	63.6
July 1991	W	W	W	W	60.8	59.4
August 1990	W	W	W	W	78.4	75.3
Rhode Island						
August 1991	-	W	W	W	63.7	62.1
July 1991	-	W	W	W	63.8	59.2
August 1990	-	-	W	W	79.1	75.4
Vermont						
August 1991	-	W	-	W	66.5	63.8
July 1991	-	W	-	W	63.4	59.9
August 1990	-	W	-	W	84.3	75.7
Subdistrict IB Average						
August 1991	69.0	67.6	78.1	68.2	64.5	61.2
July 1991	66.1	63.2	73.8	65.7	62.2	58.2
August 1990	90.0	79.5	75.3	82.1	76.1	70.9
Delaware						
August 1991	W	W	-	-	61.5	W
July 1991	W	W	-	W	60.6	W
August 1990	-	W	-	W	72.5	W
District of Columbia						
August 1991	-	-	-	-	56.1	63.8
July 1991	-	-	-	-	59.6	61.2
August 1990	-	W	-	-	77.2	75.8
Maryland						
August 1991	W	70.6	W	69.4	61.2	62.9
July 1991	W	67.0	69.7	67.2	58.6	56.5
August 1990	W	83.7	W	83.7	71.3	73.3
New Jersey						
August 1991	W	66.5	76.9	67.5	63.6	60.5
July 1991	W	61.5	W	64.9	61.1	57.8
August 1990	101.2	72.3	72.6	81.1	75.5	66.1
New York						
August 1991	72.9	69.1	W	67.7	66.6	61.9
July 1991	68.9	65.1	W	65.5	64.6	58.9
August 1990	88.9	85.7	W	85.3	79.0	71.9
Pennsylvania						
August 1991	78.9	67.3	83.4	69.6	65.3	61.5
July 1991	73.7	64.9	77.3	67.1	62.8	58.2
August 1990	94.3	80.1	94.0	80.1	77.2	73.7
Subdistrict IC Average						
August 1991	77.5	68.9	71.2	68.2	63.2	61.8
July 1991	77.6	66.8	66.0	64.4	60.6	58.6
August 1990	87.9	83.1	86.2	84.0	76.8	75.0

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
Florida						
August 1991	74.0	70.6	W	W	63.1	61.9
July 1991	73.0	67.3	W	W	61.1	58.5
August 1990	80.1	83.2	W	W	77.0	74.3
Georgia						
August 1991	84.3	69.8	W	W	64.3	61.7
July 1991	W	67.6	-	W	60.5	58.5
August 1990	95.8	83.3	W	89.6	75.3	75.5
North Carolina						
August 1991	74.0	69.2	69.8	66.9	61.8	61.5
July 1991	74.7	67.3	64.2	63.6	59.0	58.5
August 1990	91.2	82.9	88.2	81.5	75.5	74.6
South Carolina						
August 1991	NA	69.8	W	W	63.7	62.0
July 1991	NA	67.5	W	W	60.6	59.0
August 1990	88.5	82.6	W	W	78.9	75.1
Virginia						
August 1991	73.1	67.6	W	68.4	62.3	61.9
July 1991	71.7	65.3	W	64.3	60.7	58.7
August 1990	83.9	83.5	68.5	86.0	76.5	75.0
West Virginia						
August 1991	83.3	70.3	W	W	64.9	62.5
July 1991	W	W	W	W	61.9	58.7
August 1990	96.5	82.8	W	89.1	80.7	77.4
PAD District II Average						
August 1991	70.4	67.9	64.4	65.7	62.2	61.1
July 1991	66.1	65.6	60.4	61.4	58.5	56.8
August 1990	94.6	87.7	79.1	81.3	76.7	75.9
Illinois						
August 1991	W	W	W	65.1	60.9	59.1
July 1991	W	63.8	W	62.2	57.5	55.2
August 1990	W	90.1	77.0	84.5	76.6	74.1
Indiana						
August 1991	W	70.4	73.9	67.5	60.5	60.7
July 1991	W	67.4	W	64.1	57.9	57.6
August 1990	102.7	84.1	83.6	86.9	72.6	75.1
Iowa						
August 1991	-	72.2	69.0	65.2	62.2	61.9
July 1991	-	67.4	W	61.5	57.5	56.8
August 1990	-	88.3	85.9	85.0	77.6	77.8
Kansas						
August 1991	-	71.1	W	63.9	61.2	60.7
July 1991	-	W	W	60.0	55.6	55.3
August 1990	-	86.0	W	77.9	75.4	74.4
Kentucky						
August 1991	W	66.6	69.7	71.9	64.0	62.5
July 1991	W	66.5	W	67.4	61.1	59.5
August 1990	W	86.6	88.1	88.0	78.8	77.2
Michigan						
August 1991	123.0	66.8	W	66.9	61.1	60.7
July 1991	109.6	64.0	W	63.2	58.1	57.8
August 1990	103.3	84.3	W	84.7	74.6	77.2
Minnesota						
August 1991	W	70.7	64.7	67.1	63.1	62.4
July 1991	W	66.9	W	62.1	57.0	57.2
August 1990	W	90.9	80.6	86.1	77.3	77.5
Missouri						
August 1991	W	71.3	W	65.4	62.5	61.5
July 1991	-	66.4	W	61.6	57.4	56.6
August 1990	W	88.9	W	86.3	80.4	77.4
Nebraska						
August 1991	-	W	-	64.8	60.3	62.3
July 1991	-	W	-	58.4	54.6	57.1
August 1990	-	W	W	86.4	73.2	76.9
North Dakota						
August 1991	W	-	W	67.3	62.0	63.0
July 1991	W	-	-	61.0	W	58.0
August 1990	W	W	91.8	84.1	W	77.6

See footnotes at end of table.

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Table 41. Residual Fuel Oil Prices for Selected S
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Res Su Greate
	Sales to End Users	Sales for Resale	Sales to E Users

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 1991	72.2	67.6	80.1	67.8	64.0	61.9
July 1991	65.5	65.9	81.3	64.2	60.8	58.7
August 1990	93.8	89.9	92.0	86.5	78.8	76.6
Oklahoma						
August 1991	W	W	W	61.7	60.5	59.9
July 1991	W	W	W	56.4	55.7	54.1
August 1990	-	78.7	-	W	77.5	72.2
South Dakota						
August 1991	-	W	-	65.0	62.2	62.8
July 1991	-	-	W	62.3	55.9	57.4
August 1990	-	94.3	W	85.0	72.7	77.7
Tennessee						
August 1991	W	69.1	W	68.7	63.1	61.1
July 1991	W	65.7	W	63.7	59.8	58.1
August 1990	94.8	86.1	W	84.2	76.3	76.7
Wisconsin						
August 1991	-	72.3	W	67.4	62.5	61.3
July 1991	W	W	W	63.5	57.7	57.2
August 1990	-	90.2	86.9	83.4	78.5	75.8
PAD District III Average						
August 1991	W	63.5	63.4	65.0	62.3	59.3
July 1991	69.5	59.4	59.9	60.7	59.0	55.9
August 1990	74.8	76.0	83.6	83.1	76.1	69.4
Alabama						
August 1991	W	69.0	W	69.1	62.0	60.9
July 1991	W	66.2	W	65.2	59.1	58.1
August 1990	W	85.3	-	84.3	74.6	75.2
Arkansas						
August 1991	-	67.1	-	W	63.1	60.8
July 1991	W	63.6	-	W	59.4	57.1
August 1990	W	79.0	-	W	80.6	75.8
Louisiana						
August 1991	W	62.1	W	W	60.1	59.9
July 1991	W	60.2	W	61.2	57.4	55.8
August 1990	W	73.6	W	81.1	74.1	72.2
Mississippi						
August 1991	-	W	W	W	61.4	58.9
July 1991	W	W	W	W	58.9	56.7
August 1990	W	W	W	W	78.1	70.3
New Mexico						
August 1991	-	75.4	-	W	67.4	61.8
July 1991	-	66.7	W	64.3	64.4	58.2
August 1990	-	86.3	-	86.1	81.4	78.1
Texas						
August 1991	W	65.5	W	66.5	62.2	58.8
July 1991	W	61.8	W	62.5	58.6	55.4
August 1990	W	79.7	W	82.1	75.2	66.7
PAD District IV Average						
August 1991	-	70.1	73.8	68.9	62.6	63.4
July 1991	-	65.7	W	61.1	55.0	55.3
August 1990	-	87.9	83.0	84.4	75.4	74.8
Colorado						
August 1991	-	69.6	W	64.2	60.1	59.8
July 1991	-	W	W	57.3	55.0	53.8
August 1990	-	86.8	87.5	83.9	76.6	76.9
Idaho						
August 1991	-	-	-	74.5	W	67.8
July 1991	-	-	-	62.2	W	56.2
August 1990	-	W	W	84.7	75.8	73.6
Montana						
August 1991	-	-	W	73.3	62.8	63.6
July 1991	-	-	W	64.3	54.7	56.7
August 1990	-	-	W	87.9	77.0	75.7
Utah						
August 1991	-	W	W	72.8	65.4	65.4
July 1991	-	W	W	64.4	54.5	54.9
August 1990	-	W	W	77.4	71.5	72.6

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 1991	-	-	W	70.4	61.9	61.9
July 1991	-	W	W	80.9	55.0	55.4
August 1990	-	-	75.8	86.0	76.5	75.0
PAD District V Average						
August 1991	W	65.4	74.9	74.0	65.4	63.8
July 1991	W	63.3	72.8	67.6	60.3	56.8
August 1990	W	85.3	87.4	85.4	72.6	73.2
Alaska						
August 1991	W	W	72.9	73.7	77.8	67.0
July 1991	W	W	W	70.8	82.0	62.9
August 1990	W	W	NA	89.2	89.4	78.8
Arizona						
August 1991	-	W	W	W	64.9	62.2
July 1991	-	W	W	W	62.0	57.6
August 1990	-	W	W	W	80.5	76.0
California						
August 1991	-	W	75.7	75.3	64.9	63.0
July 1991	-	W	W	68.0	60.2	56.9
August 1990	-	W	W	87.2	72.1	73.5
Hawaii						
August 1991	-	-	W	W	64.8	75.5
July 1991	-	-	W	W	63.7	73.7
August 1990	-	-	W	W	59.9	68.6
Nevada						
August 1991	-	-	77.5	W	68.0	65.6
July 1991	-	W	68.8	W	62.1	58.9
August 1990	-	-	-	76.4	77.8	76.3
Oregon						
August 1991	-	W	W	76.9	64.7	64.4
July 1991	-	W	W	60.0	56.0	55.3
August 1990	-	W	W	84.7	75.9	72.7
Washington						
August 1991	-	W	W	72.9	64.6	64.1
July 1991	-	W	W	64.2	56.4	54.4
August 1990	-	76.2	W	77.9	72.4	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.

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 ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users		To Residential Consumers ^a	To Non- Residential End Users	
U.S. Average									
August 1991	79.0	83.1	61.3	87.3	71.1	62.9	87.1	68.4	61.7
July 1991	79.6	59.3	58.9	86.8	67.6	59.4	86.6	65.0	57.6
August 1990	86.7	75.8	73.0	99.1	86.7	75.4	98.8	82.9	73.8
PAD District I Average									
August 1991	77.3	83.5	61.6	88.3	71.5	62.7	88.1	68.6	62.0
July 1991	77.9	61.0	58.5	88.0	68.9	59.9	87.8	66.1	59.0
August 1990	86.2	76.5	72.9	99.8	85.7	75.6	99.5	82.2	74.1
Subdistrict IA Average									
August 1991	W	63.9	62.6	87.4	73.7	62.6	87.3	72.1	62.6
July 1991	W	61.0	59.5	86.9	71.2	60.7	86.9	69.7	60.2
August 1990	W	77.9	74.9	101.3	88.8	75.8	101.3	86.9	75.6
Connecticut									
August 1991	-	64.8	62.1	89.7	75.0	60.7	89.7	73.4	61.2
July 1991	-	61.3	59.5	90.0	72.9	60.2	90.0	71.1	59.8
August 1990	-	78.6	74.1	104.1	89.2	77.5	104.1	87.0	76.9
Maine									
August 1991	-	64.1	62.5	83.4	75.5	65.8	83.4	74.5	64.0
July 1991	-	60.8	59.2	82.2	73.2	63.7	82.2	72.6	61.9
August 1990	-	W	75.5	97.7	88.0	76.5	97.7	87.3	76.3
Massachusetts									
August 1991	W	63.4	63.4	88.5	71.2	64.1	88.4	69.3	63.9
July 1991	W	60.6	59.7	88.4	68.3	59.9	88.4	66.8	59.9
August 1990	W	77.2	75.0	102.3	89.4	71.9	102.3	86.1	72.9
New Hampshire									
August 1991	-	64.2	63.6	80.7	73.8	62.5	80.7	72.7	62.6
July 1991	-	60.8	59.4	77.6	71.8	60.6	77.6	70.5	60.4
August 1990	-	78.4	75.3	99.2	89.5	77.7	99.2	88.5	77.1
Rhode Island									
August 1991	W	63.4	62.1	89.2	74.7	61.3	89.0	72.4	61.5
July 1991	W	62.6	59.2	88.8	72.6	60.8	88.8	71.5	60.1
August 1990	W	77.9	75.4	102.7	86.9	76.8	102.3	85.7	76.4
Vermont									
August 1991	-	66.5	63.8	88.5	75.7	66.3	88.5	74.7	65.2
July 1991	-	63.4	59.9	88.1	73.5	64.8	88.1	72.5	62.4
August 1990	-	84.3	75.7	97.4	88.9	82.1	97.4	88.3	78.9
Subdistrict IB Average									
August 1991	76.6	64.0	61.2	88.9	71.8	62.1	88.4	69.5	61.5
July 1991	77.0	61.7	58.2	88.7	68.7	58.6	88.3	66.6	58.4
August 1990	85.1	75.6	70.9	98.8	84.1	73.5	98.4	81.5	71.9
Delaware									
August 1991	W	61.5	W	85.9	69.3	64.4	85.8	66.9	61.4
July 1991	W	60.0	W	81.4	65.5	60.2	81.5	64.3	58.2
August 1990	-	72.5	W	93.1	82.2	73.6	93.1	80.1	75.9
District of Columbia									
August 1991	-	56.1	63.8	98.6	67.4	W	98.6	63.0	62.9
July 1991	-	59.6	61.2	98.6	64.9	W	98.6	62.4	59.8
August 1990	-	77.2	75.8	107.1	78.5	71.9	107.1	78.3	74.7
Maryland									
August 1991	W	61.2	62.9	94.4	72.2	63.9	94.2	68.4	63.3
July 1991	W	58.6	58.5	93.9	70.2	61.5	93.7	65.9	59.5
August 1990	W	71.3	73.3	100.2	86.4	75.8	100.2	81.0	74.2
New Jersey									
August 1991	-	63.6	60.5	89.3	71.8	58.7	89.3	68.6	59.9
July 1991	-	61.1	57.8	88.5	67.3	55.3	88.5	65.3	56.9
August 1990	-	75.5	66.1	102.1	85.4	72.6	102.1	81.1	68.9
New York									
August 1991	W	65.8	61.9	93.4	73.6	64.3	93.1	72.2	62.8
July 1991	83.2	64.1	58.9	94.0	71.1	61.4	93.9	69.6	59.7
August 1990	90.0	78.2	71.9	102.8	85.9	75.2	102.6	84.0	73.1

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 1991	74.8	64.7	61.5	82.4	70.1	63.7	81.9	68.3	62.4
July 1991	75.3	62.0	58.2	81.1	67.2	59.8	80.8	65.6	58.8
August 1990	W	76.6	73.7	93.1	82.2	73.4	92.5	80.7	73.6
Subdistrict IC Average^b									
August 1991	W	63.2	61.8	88.6	70.6	64.0	88.5	67.3	62.4
July 1991	W	60.6	58.6	87.8	68.3	61.5	87.8	64.9	59.4
August 1990	W	76.8	75.0	100.4	85.9	79.2	100.3	81.6	76.2
Virginia									
August 1991	W	62.2	61.9	87.6	72.0	64.0	87.6	68.4	62.5
July 1991	W	60.7	58.7	86.9	69.5	60.7	86.9	66.1	59.2
August 1990	W	76.5	75.0	102.4	86.7	75.5	102.4	82.9	75.1
West Virginia									
August 1991	W	64.8	62.5	82.4	70.6	69.5	82.3	68.0	63.6
July 1991	W	61.8	58.7	81.8	68.1	65.6	81.7	65.3	59.8
August 1990	W	80.6	77.4	98.4	89.1	86.9	98.1	86.8	79.6
PAD District II Average^b									
August 1991	W	62.2	61.1	82.2	70.0	63.9	82.1	67.6	61.9
July 1991	W	58.4	56.8	80.6	66.8	59.5	80.6	64.3	57.5
August 1990	W	76.6	75.9	96.1	87.1	78.2	96.0	83.6	76.5
Illinois									
August 1991	-	60.9	59.1	86.2	70.6	62.8	86.2	67.6	60.2
July 1991	-	57.5	55.2	82.2	67.5	58.0	82.2	64.7	56.1
August 1990	-	76.6	74.1	96.9	84.1	79.0	96.9	82.1	75.5
Indiana									
August 1991	W	60.5	60.7	80.2	70.8	61.4	80.2	65.4	60.9
July 1991	W	57.9	57.6	79.1	69.5	57.5	79.1	63.6	57.6
August 1990	W	72.6	75.1	98.2	87.6	74.6	98.1	80.5	74.9
Michigan									
August 1991	-	61.1	60.7	84.3	72.8	62.7	84.3	69.2	61.4
July 1991	-	58.1	57.8	83.4	71.2	60.4	83.4	67.5	58.7
August 1990	-	74.6	77.2	100.2	88.7	79.4	100.2	84.5	78.0
Minnesota									
August 1991	-	63.1	62.4	86.3	75.0	66.6	86.3	71.8	63.5
July 1991	-	57.0	57.2	84.3	72.0	61.9	84.3	67.1	58.4
August 1990	-	77.3	77.5	101.6	91.7	80.1	101.6	87.2	78.2
Ohio									
August 1991	W	63.9	61.9	81.2	70.4	62.7	81.1	66.7	62.0
July 1991	W	60.8	58.7	79.5	68.5	60.0	79.6	64.0	58.9
August 1990	W	78.7	76.6	93.5	88.3	79.6	93.3	83.0	77.3
Wisconsin									
August 1991	W	62.5	61.3	78.7	70.9	62.3	78.7	69.4	61.5
July 1991	-	57.7	57.2	78.0	68.1	59.0	78.0	66.1	57.7
August 1990	-	78.5	75.8	92.0	85.5	78.6	92.0	84.2	76.5
PAD District III Average									
August 1991	-	62.3	59.3	W	68.6	60.5	W	66.7	59.6
July 1991	-	59.0	55.9	W	65.8	57.7	W	63.7	56.2
August 1990	-	76.1	69.4	NA	85.9	70.0	NA	82.2	69.5
PAD District IV Average^b									
August 1991	-	62.6	63.4	81.5	74.8	67.1	81.5	71.0	64.1
July 1991	-	55.0	55.3	75.7	69.1	60.7	75.7	64.8	56.2
August 1990	-	75.4	74.8	92.5	87.9	80.3	92.5	83.7	75.9
Idaho									
August 1991	-	W	67.8	84.6	78.4	70.5	84.6	77.1	68.4
July 1991	-	W	56.2	80.0	70.5	62.3	80.0	68.9	57.5
August 1990	-	75.8	73.6	90.7	84.8	81.1	90.7	83.5	75.3

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 1991	84.1	65.2	63.8	94.4	75.6	64.7	92.6	71.8	64.0
July 1991	W	60.1	56.8	90.3	70.1	59.1	89.2	66.5	57.3
August 1990	W	72.5	73.2	97.2	88.1	75.2	96.6	82.8	73.8
Alaska									
August 1991	W	76.7	67.0	102.4	e	73.1	96.8	84.8	68.1
July 1991	W	81.0	62.9	104.0	88.4	69.4	98.6	87.4	64.2
August 1990	W	88.9	78.8	118.6	95.6	74.9	116.8	94.5	78.0
Oregon									
August 1991	W	64.6	64.4	88.1	77.8	68.1	88.3	73.4	65.1
July 1991	W	55.6	55.3	83.9	69.5	60.7	84.5	65.4	56.2
August 1990	W	75.8	72.7	95.3	87.2	NA	95.3	84.3	78.3
Washington									
August 1991	W	64.4	64.1	93.6	76.1	67.7	92.1	72.8	64.8
July 1991	W	56.0	54.4	86.8	67.3	59.8	85.4	64.0	55.1
August 1990	W	72.3	70.0	90.9	83.0	78.0	90.0	80.8	71.5

^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						Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c	Average	
U.S. Average							
August 1991	87.1	64.9	68.0	71.9	72.4	69.7	61.7
July 1991	86.6	61.3	64.3	68.5	69.0	66.4	57.6
August 1990	98.8	78.0	83.0	88.5	86.5	84.6	73.8
PAD District I Average							
August 1991	88.1	66.4	68.8	73.3	69.6	72.2	62.0
July 1991	87.8	64.2	65.8	70.4	66.6	70.0	59.0
August 1990	99.5	79.3	84.7	88.3	82.5	86.8	74.1
Subdistrict IA Average							
August 1991	87.3	70.8	70.6	81.6	72.6	78.2	62.6
July 1991	86.9	68.4	68.2	80.0	69.7	76.3	60.2
August 1990	101.3	85.4	87.5	95.2	85.3	93.4	75.6
Connecticut							
August 1991	89.7	72.6	71.1	89.8	69.9	81.0	61.2
July 1991	90.0	70.3	68.8	87.3	67.5	79.5	59.8
August 1990	104.1	86.3	86.6	99.7	85.5	96.8	76.9
Maine							
August 1991	83.4	72.4	73.9	79.9	77.5	77.3	64.0
July 1991	82.2	70.9	70.8	77.5	74.7	75.3	61.9
August 1990	97.7	85.4	86.0	92.0	87.3	91.2	76.3
Massachusetts							
August 1991	88.4	68.6	68.3	81.6	66.8	76.8	63.9
July 1991	88.4	66.1	65.6	80.6	64.3	75.1	59.9
August 1990	102.3	84.9	93.8	99.6	80.5	92.5	72.9
New Hampshire							
August 1991	80.7	72.3	67.5	78.0	72.0	76.2	62.6
July 1991	77.6	69.2	63.4	77.7	68.3	73.7	60.4
August 1990	99.2	85.5	81.1	96.9	90.4	94.2	77.1
Rhode Island							
August 1991	89.0	71.0	75.9	79.2	68.4	79.8	61.5
July 1991	88.8	70.1	73.9	78.7	69.5	79.0	60.1
August 1990	102.3	85.7	83.5	93.0	84.6	94.6	76.4
Vermont							
August 1991	88.5	72.3	72.2	84.3	78.5	80.2	65.2
July 1991	88.1	69.4	71.6	82.9	75.9	77.8	62.4
August 1990	97.4	88.7	82.5	100.1	89.8	92.7	78.9
Subdistrict IB Average							
August 1991	88.4	67.8	68.9	75.9	69.9	74.3	61.5
July 1991	88.3	65.8	65.7	72.9	64.4	72.1	58.4
August 1990	98.4	79.6	80.8	91.0	81.3	87.4	71.9
Delaware							
August 1991	85.8	63.9	66.5	71.0	67.0	70.7	61.4
July 1991	81.5	62.4	64.3	68.6	63.3	67.1	58.2
August 1990	93.1	73.3	81.6	87.8	80.6	83.6	75.9
District of Columbia							
August 1991	98.6	62.4	W	W	W	63.8	62.9
July 1991	98.6	63.1	W	W	W	63.1	59.8
August 1990	107.1	78.0	W	W	72.1	82.9	74.7
Maryland							
August 1991	94.2	65.0	68.1	74.2	75.1	72.6	63.3
July 1991	93.7	62.6	66.2	71.6	70.5	69.9	59.5
August 1990	100.2	79.4	81.5	89.0	81.0	84.3	74.2
New Jersey							
August 1991	89.3	68.3	65.9	73.9	67.2	73.2	59.9
July 1991	88.5	66.7	63.3	70.0	60.2	69.3	56.9
August 1990	102.1	81.3	76.6	88.5	81.1	88.3	68.9
New York							
August 1991	93.1	71.5	70.5	78.7	70.9	78.8	62.8
July 1991	93.9	69.3	67.3	77.3	66.8	77.8	59.7
August 1990	102.6	83.3	78.8	96.0	78.7	92.9	73.1

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						Sales for Resale
	To Residential Consumers ^a	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^b	To Other End Users ^c	Average	
Pennsylvania							
August 1991	81.9	65.8	68.4	75.5	68.5	71.6	62.4
July 1991	80.8	63.8	64.7	72.0	64.3	69.4	58.8
August 1990	92.5	76.8	83.2	90.0	82.7	84.6	73.6
Subdistrict IC Average^d							
August 1991	88.5	63.6	68.3	71.3	69.3	68.2	62.4
July 1991	87.8	61.0	65.3	68.4	67.6	65.7	59.4
August 1990	100.3	76.6	86.6	86.2	82.8	83.4	76.2
Virginia							
August 1991	87.6	64.7	67.6	73.3	73.2	70.9	62.5
July 1991	86.9	62.1	63.6	70.2	73.2	68.4	59.2
August 1990	102.4	78.6	87.2	86.9	82.9	85.6	75.1
West Virginia							
August 1991	82.3	65.9	71.2	68.3	71.2	68.6	63.6
July 1991	81.7	63.0	68.7	66.7	65.8	65.9	59.8
August 1990	98.1	81.4	89.5	92.5	84.9	87.3	79.6
PAD District II Average^d							
August 1991	82.1	63.3	67.7	69.9	73.7	68.2	61.9
July 1991	80.6	59.4	64.2	66.6	70.7	64.8	57.5
August 1990	96.0	78.1	82.6	88.1	89.8	84.3	76.5
Illinois							
August 1991	86.2	63.8	67.4	69.3	72.1	67.8	60.2
July 1991	82.2	60.4	64.2	66.2	70.0	64.9	56.1
August 1990	96.9	79.3	80.9	87.6	86.2	82.4	75.5
Indiana							
August 1991	80.2	61.3	63.6	67.7	78.5	65.9	60.9
July 1991	79.1	59.5	61.7	65.0	77.9	64.1	57.6
August 1990	98.1	75.3	77.5	85.9	89.1	81.3	74.9
Michigan							
August 1991	84.3	66.0	66.2	70.8	75.3	70.8	61.4
July 1991	83.4	63.5	63.7	67.6	75.6	68.6	58.7
August 1990	100.2	83.0	82.6	88.5	84.5	86.2	78.0
Minnesota							
August 1991	86.3	65.8	70.9	71.2	78.9	74.1	63.5
July 1991	84.3	59.0	65.9	68.6	75.2	69.1	58.4
August 1990	101.6	77.1	82.6	89.6	94.0	89.1	78.2
Ohio							
August 1991	81.1	63.0	67.3	70.1	74.1	67.8	62.0
July 1991	79.6	60.4	65.4	67.2	68.7	65.0	58.9
August 1990	93.3	78.8	85.1	87.8	88.6	84.0	77.3
Wisconsin							
August 1991	78.7	64.6	69.3	69.7	75.7	70.5	61.5
July 1991	78.0	61.3	66.7	66.6	73.5	67.5	57.7
August 1990	92.0	78.5	77.1	89.5	92.9	85.4	76.5
PAD District III Average							
August 1991	W	63.0	65.7	70.3	71.1	66.7	59.6
July 1991	W	60.1	62.6	67.0	68.5	63.7	56.2
August 1990	NA	75.1	81.9	87.8	85.0	82.2	69.5
PAD District IV Average^d							
August 1991	81.5	65.4	70.7	75.0	76.5	71.1	64.1
July 1991	75.7	58.5	65.4	69.6	69.7	64.9	56.2
August 1990	92.5	77.7	83.8	86.7	88.2	83.8	75.9
Idaho							
August 1991	84.6	68.0	73.2	78.8	79.4	77.1	68.4
July 1991	80.0	57.9	64.7	72.4	71.0	69.0	57.5
August 1990	90.7	79.5	77.4	83.4	86.2	83.9	75.3

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 1991	92.6	68.7	70.6	77.4	73.0	72.2	64.0
July 1991	89.2	63.1	64.6	73.0	68.2	66.9	57.3
August 1990	96.6	77.5	81.5	92.3	85.1	83.1	73.8
Alaska							
August 1991	96.8	87.3	78.1	NA	80.1	86.2	68.1
July 1991	98.6	90.5	76.6	NA	79.9	88.6	64.2
August 1990	116.8	92.3	97.4	102.8	92.1	96.3	78.0
Oregon							
August 1991	88.3	68.6	73.1	79.8	77.9	74.0	65.1
July 1991	84.5	60.7	66.6	73.3	58.1	66.1	56.2
August 1990	95.3	79.0	82.8	92.9	85.6	84.9	78.3
Washington							
August 1991	92.1	67.6	72.6	80.6	77.5	73.5	64.8
July 1991	85.4	59.0	62.2	73.3	69.9	64.9	55.1
August 1990	90.0	77.1	78.0	89.8	84.5	81.4	71.5

^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 1991	87.1	66.1	66.7	68.3	76.8	60.7
July 1991	86.6	63.1	63.5	63.9	74.2	56.9
August 1990	98.8	77.8	81.3	80.1	89.6	72.3
PAD District I Average						
August 1991	88.1	68.1	67.0	68.8	79.1	61.4
July 1991	87.8	66.0	63.7	63.6	77.0	58.4
August 1990	99.5	78.7	80.9	79.8	91.3	72.9
Subdistrict IA Average						
August 1991	87.3	69.7	69.6	69.6	81.6	61.9
July 1991	86.9	67.6	67.5	66.4	80.4	59.5
August 1990	101.3	83.5	83.0	83.0	95.2	74.9
Connecticut						
August 1991	89.7	73.3	69.7	67.9	86.1	60.8
July 1991	90.0	71.9	68.1	65.8	85.9	59.1
August 1990	104.1	81.8	80.0	81.3	99.4	76.7
Maine						
August 1991	83.4	71.6	73.1	75.2	78.1	63.4
July 1991	82.2	71.6	71.0	72.4	77.2	61.5
August 1990	97.7	86.5	85.3	86.6	92.5	75.6
Massachusetts						
August 1991	88.4	66.8	67.6	65.0	80.4	63.1
July 1991	88.4	64.7	65.2	62.3	79.4	59.1
August 1990	102.3	82.0	83.4	79.1	93.7	71.5
New Hampshire						
August 1991	80.7	69.7	66.0	65.5	77.3	61.7
July 1991	77.6	66.8	61.1	60.4	74.2	59.6
August 1990	99.2	82.7	81.3	78.9	95.6	76.2
Rhode Island						
August 1991	89.0	76.1	72.2	W	85.8	61.1
July 1991	88.8	74.6	66.4	W	85.5	59.6
August 1990	102.3	86.2	87.0	W	98.7	75.8
Vermont						
August 1991	88.5	76.3	69.8	72.4	85.4	63.6
July 1991	88.1	71.0	66.8	65.5	82.9	60.8
August 1990	97.4	90.4	82.1	80.7	95.0	77.2
Subdistrict IB Average						
August 1991	88.4	71.8	66.1	64.9	81.5	61.1
July 1991	88.3	69.1	62.6	60.4	78.1	58.0
August 1990	98.4	83.5	79.8	77.4	91.9	71.1
Delaware						
August 1991	85.8	68.8	67.9	W	78.4	61.2
July 1991	81.5	66.1	66.0	W	69.9	58.0
August 1990	93.1	77.9	79.7	72.7	88.4	76.5
District of Columbia						
August 1991	98.6	67.5	-	-	70.2	62.0
July 1991	98.6	65.7	-	W	63.2	59.0
August 1990	107.1	81.1	-	-	91.0	74.3
Maryland						
August 1991	94.2	68.0	65.7	62.9	80.5	62.5
July 1991	93.7	66.6	63.5	59.4	77.1	58.4
August 1990	100.2	79.7	74.6	74.8	86.5	73.9
New Jersey						
August 1991	89.3	70.9	65.4	66.0	82.0	59.7
July 1991	88.5	68.7	63.0	W	72.9	56.7
August 1990	102.1	84.4	73.4	76.9	93.9	68.3
New York						
August 1991	93.1	74.9	65.7	68.0	85.1	62.4
July 1991	93.9	72.2	61.1	64.9	83.9	59.4
August 1990	102.6	85.1	78.3	76.0	96.4	72.2

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	
Pennsylvania						
August 1991	81.9	68.3	67.3	64.1	77.3	62.1
July 1991	80.8	65.6	63.9	59.3	74.8	58.0
August 1990	92.5	83.6	84.3	79.4	88.7	72.8
Subdistrict IC Average^b						
August 1991	88.5	63.8	67.0	71.2	71.5	61.7
July 1991	87.8	60.9	63.8	69.2	69.5	58.7
August 1990	100.3	69.0	83.0	82.4	84.9	75.5
Virginia						
August 1991	87.6	65.7	66.6	63.1	74.9	62.0
July 1991	86.9	63.9	62.8	67.1	73.6	58.7
August 1990	102.4	77.8	82.7	74.8	90.8	74.5
West Virginia						
August 1991	82.3	70.4	65.8	61.6	72.8	61.8
July 1991	81.7	69.5	64.5	59.4	69.3	58.0
August 1990	98.1	90.7	88.2	69.2	89.7	77.2
PAD District II Average^b						
August 1991	82.1	61.1	66.1	68.5	70.4	60.8
July 1991	80.6	58.0	63.3	64.9	66.7	56.4
August 1990	96.0	76.1	81.8	82.0	85.4	76.2
Illinois						
August 1991	86.2	60.7	71.5	64.1	65.5	67.0
July 1991	82.2	58.4	68.5	63.4	64.4	55.9
August 1990	96.9	78.0	98.6	81.3	83.9	76.3
Indiana						
August 1991	80.2	59.5	65.2	70.1	66.3	60.3
July 1991	79.1	W	66.4	71.5	64.1	56.4
August 1990	98.1	73.1	80.3	73.1	82.4	75.6
Michigan						
August 1991	84.3	60.8	67.5	74.1	74.6	60.4
July 1991	83.4	58.3	64.3	63.0	69.4	57.8
August 1990	100.2	79.4	82.9	80.3	90.4	77.4
Minnesota						
August 1991	86.3	NA	70.1	70.8	82.4	62.1
July 1991	84.3	53.7	64.9	69.2	72.0	57.2
August 1990	101.6	74.5	80.0	90.1	89.6	77.7
Ohio						
August 1991	81.1	61.7	63.2	61.8	69.5	61.0
July 1991	79.6	58.7	61.6	58.9	65.9	57.7
August 1990	93.3	76.5	74.9	74.9	84.2	76.7
Wisconsin						
August 1991	78.7	60.9	68.6	71.8	73.0	60.7
July 1991	78.0	59.3	63.9	71.9	70.1	56.9
August 1990	92.0	78.4	85.8	87.6	87.0	75.9
PAD District III Average						
August 1991	W	58.4	62.1	60.1	60.1	58.4
July 1991	W	W	60.0	62.6	57.6	54.8
August 1990	NA	63.9	79.3	72.1	69.0	64.7
PAD District IV Average^b						
August 1991	81.5	58.7	W	W	64.7	61.9
July 1991	75.7	53.1	67.8	W	59.0	54.5
August 1990	92.5	78.8	W	NA	86.4	74.6
Idaho						
August 1991	84.6	W	-	-	78.8	67.5
July 1991	80.0	W	-	-	70.3	56.0
August 1990	90.7	W	-	-	88.8	72.4

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 1991	92.6	85.2	68.3	69.7	85.0	64.0
July 1991	89.2	77.0	62.3	65.3	79.4	56.3
August 1990	96.6	89.5	85.3	78.2	89.6	72.9
Alaska						
August 1991	96.8	102.9	92.7	69.9	95.2	66.5
July 1991	98.6	99.9	91.3	71.3	95.0	63.9
August 1990	116.8	101.0	W	90.3	105.0	85.6
Oregon						
August 1991	88.3	69.7	W	W	78.4	64.2
July 1991	84.5	64.5	61.9	W	74.0	55.9
August 1990	95.3	84.8	86.2	79.6	90.4	73.2
Washington						
August 1991	92.1	68.0	66.3	68.0	78.8	64.7
July 1991	85.4	59.2	59.3	61.7	70.8	55.1
August 1990	90.0	83.6	83.2	75.9	85.2	71.8

^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 1991	53.6	37.5	36.6	33.3	27.7	25.9	31.0	27.9
July 1991	50.0	46.8	36.4	32.6	28.2	27.6	31.2	29.0
August 1990	65.4	63.3	50.7	49.5	39.5	41.1	44.1	44.4
PAD District I Average								
August 1991	51.9	50.0	35.5	37.0	28.6	26.5	31.9	32.7
July 1991	49.0	48.8	34.9	34.5	29.1	32.4	31.9	33.3
August 1990	62.1	59.1	51.5	54.3	43.9	46.0	48.3	51.6
Subdistrict IA Average								
August 1991	50.4	49.2	34.3	W	W	W	29.2	W
July 1991	W	48.4	31.2	W	W	W	29.8	W
August 1990	62.5	W	47.7	47.0	35.7	W	43.7	48.9
Subdistrict IB Average								
August 1991	W	50.3	36.4	37.1	29.0	28.5	32.9	34.5
July 1991	W	49.0	36.6	34.4	28.8	33.1	32.7	33.9
August 1990	61.9	59.6	50.9	W	46.0	43.1	48.4	52.3
Subdistrict IC Average								
August 1991	51.8	W	W	-	30.2	24.0	32.1	24.0
July 1991	50.9	W	W	-	29.8	W	31.8	W
August 1990	63.4	59.7	53.6	-	43.2	49.0	49.8	49.0
PAD District II Average								
August 1991	W	W	32.9	22.2	27.6	23.2	30.6	23.0
July 1991	W	W	37.2	W	W	23.7	28.3	24.0
August 1990	W	66.5	46.1	38.8	W	30.1	29.0	30.8
PAD District III Average								
August 1991	W	W	W	33.0	24.7	22.7	25.1	25.7
July 1991	W	W	43.0	31.0	25.8	24.6	26.2	26.6
August 1990	58.2	43.5	W	44.9	34.4	41.1	35.6	43.1
PAD District IV Average								
August 1991	-	-	W	26.3	W	26.7	32.0	26.3
July 1991	-	-	W	34.9	W	W	30.1	34.8
August 1990	-	-	-	45.8	30.3	32.4	30.3	41.6
PAD District V Average								
August 1991	W	53.6	43.5	31.1	29.1	28.2	33.7	28.5
July 1991	W	47.7	45.1	33.7	29.5	28.7	34.2	29.3
August 1990	W	W	42.0	48.1	38.7	41.2	39.5	42.2

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

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

Table 41. Residual Fuel Oil Prices 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 1991	36.2	34.7	27.9	27.1	31.4	29.6
July 1991	35.4	32.6	28.4	27.8	31.4	29.5
August 1990	50.1	48.9	39.9	42.0	44.5	45.2
PAD District I Average						
August 1991	35.9	37.2	28.3	27.9	32.0	33.9
July 1991	34.6	34.6	28.9	30.8	31.8	32.9
August 1990	52.5	54.3	42.1	42.9	48.0	50.4
Subdistrict IA Average^a						
August 1991	35.9	36.5	25.7	W	29.2	32.4
July 1991	31.5	35.2	27.0	30.5	29.3	31.3
August 1990	48.9	54.2	35.5	43.9	41.3	48.7
Connecticut						
August 1991	34.6	W	-	-	34.6	W
July 1991	33.6	W	-	-	33.6	W
August 1990	48.5	51.0	W	-	46.7	51.0
Maine						
August 1991	36.1	W	28.0	W	31.9	37.0
July 1991	35.9	W	28.0	W	32.0	35.9
August 1990	49.6	W	39.3	48.6	40.1	48.6
Massachusetts						
August 1991	37.1	35.2	25.1	32.1	27.0	34.9
July 1991	27.4	W	26.1	28.4	26.5	29.2
August 1990	51.0	54.8	33.7	41.1	36.1	48.6
New Hampshire						
August 1991	40.5	W	29.9	W	34.7	W
July 1991	31.8	W	NA	W	33.6	W
August 1990	45.9	W	43.3	W	43.4	44.8
Rhode Island						
August 1991	36.6	W	-	-	36.6	W
July 1991	33.0	W	-	-	33.0	W
August 1990	48.9	W	-	W	48.9	W
Subdistrict IB Average^a						
August 1991	36.4	38.0	29.5	28.5	33.6	36.7
July 1991	36.1	34.5	29.0	32.9	33.1	34.2
August 1990	53.0	55.1	45.4	42.2	50.0	51.0
Delaware						
August 1991	37.0	W	29.4	-	33.9	W
July 1991	38.3	W	27.7	-	33.2	W
August 1990	57.6	W	W	-	48.5	W
Maryland						
August 1991	31.0	W	32.1	W	31.4	W
July 1991	35.2	W	27.9	-	32.7	W
August 1990	47.2	W	43.5	47.6	46.6	49.1
New Jersey						
August 1991	37.0	38.9	28.1	28.2	33.0	36.0
July 1991	36.2	33.9	27.8	33.8	32.7	33.9
August 1990	54.2	56.5	39.0	47.3	48.3	54.6
New York						
August 1991	37.4	38.4	29.9	28.4	34.5	38.1
July 1991	37.1	34.3	29.7	29.2	34.3	34.2
August 1990	56.0	54.2	47.9	49.6	52.6	53.8
Pennsylvania						
August 1991	32.1	36.0	29.7	W	31.1	35.0
July 1991	33.0	36.6	29.6	W	31.1	34.9
August 1990	46.3	53.2	46.6	37.3	46.4	43.3
Subdistrict IC Average^a						
August 1991	34.7	W	29.6	28.2	31.6	27.7
July 1991	34.2	W	29.8	29.5	31.6	29.5
August 1990	53.2	W	42.9	43.2	49.0	50.2
Florida						
August 1991	34.5	-	29.9	28.4	32.4	28.4
July 1991	34.1	-	30.5	31.8	32.3	31.8
August 1990	51.8	W	42.4	W	48.8	50.5
Georgia						
August 1991	-	W	29.5	W	29.5	W
July 1991	-	W	29.8	W	29.8	W
August 1990	-	-	41.5	W	41.5	W

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 1991	46.8	-	29.3	26.3	30.1	26.3
July 1991	46.4	W	29.0	W	29.7	W
August 1990	W	W	44.8	50.6	45.2	50.2
South Carolina						
August 1991	W	-	29.7	-	30.9	-
July 1991	W	-	29.4	-	30.5	-
August 1990	W	-	43.4	W	44.0	W
Virginia						
August 1991	39.7	-	30.2	28.5	30.4	28.5
July 1991	42.7	-	28.8	29.9	29.0	29.9
August 1990	W	W	45.0	43.8	55.2	43.9
PAD District II Average^a						
August 1991	35.3	23.6	30.2	22.8	32.8	23.0
July 1991	35.2	25.9	28.1	24.3	31.2	24.6
August 1990	37.3	36.8	29.4	33.5	33.2	33.9
Illinois						
August 1991	W	W	W	NA	32.4	19.1
July 1991	NA	W	W	24.1	W	22.1
August 1990	W	W	W	35.1	27.4	35.3
Indiana						
August 1991	NA	-	35.9	NA	33.5	20.7
July 1991	NA	-	32.1	W	30.6	W
August 1990	47.7	W	27.0	32.4	32.9	32.5
Michigan						
August 1991	40.7	44.4	35.4	24.4	40.0	29.4
July 1991	43.0	41.8	W	27.2	40.1	32.2
August 1990	44.0	41.6	W	W	43.9	34.9
Minnesota						
August 1991	W	W	26.5	W	26.6	W
July 1991	-	W	24.7	W	24.7	W
August 1990	W	W	30.6	W	30.8	34.6
Ohio						
August 1991	34.6	-	28.7	W	31.3	W
July 1991	35.5	-	27.9	W	32.1	W
August 1990	35.0	-	30.7	W	34.0	W
PAD District III Average^a						
August 1991	31.1	32.5	24.8	25.9	26.1	27.5
July 1991	34.1	30.2	26.0	25.8	27.3	27.1
August 1990	46.8	45.7	35.4	44.9	37.4	45.3
Alabama						
August 1991	-	-	27.9	-	27.9	-
July 1991	-	-	28.0	W	28.0	W
August 1990	-	W	40.6	-	40.6	W
Louisiana						
August 1991	31.1	36.3	24.4	25.2	27.0	27.7
July 1991	34.1	35.8	25.3	25.7	28.2	27.4
August 1990	47.2	49.0	33.0	45.9	37.4	47.2
Mississippi						
August 1991	-	-	W	-	W	-
July 1991	-	-	W	-	W	-
August 1990	-	-	W	-	W	-
Texas						
August 1991	W	30.0	24.7	26.4	24.7	27.3
July 1991	W	28.4	26.2	25.9	26.2	26.8
August 1990	W	43.4	36.9	43.1	36.9	43.3
PAD District IV Average						
August 1991	W	26.3	W	26.7	32.0	26.3
July 1991	W	34.9	W	W	30.1	34.8
August 1990	W	45.8	30.3	32.4	31.2	41.6
PAD District V Average^a						
August 1991	43.4	31.1	29.6	28.3	33.4	28.7
July 1991	44.8	30.6	30.1	28.9	34.2	29.2
August 1990	37.7	41.1	41.6	41.2	40.4	41.2

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 1991	38.5	30.1	27.4	27.9	27.6	28.2
July 1991	43.0	29.5	28.9	27.9	32.5	28.3
August 1990	NA	41.1	40.3	37.7	38.2	38.9
Hawaii						
August 1991	W	-	29.3	W	40.5	W
July 1991	W	-	32.4	W	42.0	W
August 1990	42.1	-	37.0	W	40.8	W
Oregon						
August 1991	56.7	-	29.9	26.5	30.3	26.5
July 1991	55.5	-	29.4	36.2	29.5	36.2
August 1990	W	W	48.8	44.7	48.8	45.2
Washington						
August 1991	W	W	30.9	31.1	30.9	32.3
July 1991	-	W	30.6	27.5	30.6	28.7
August 1990	-	W	43.0	38.5	43.0	38.5

• 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 1991	1,377,906	66,034	6,604,040	478,981	20,592	1,806,256	1,856,887	86,626	8,410,296
July 1991	1,368,089	62,452	6,723,000	486,296	24,001	1,783,528	1,854,385	86,453	8,506,528
August 1990	1,398,199	79,843	6,962,094	448,670	26,496	1,874,412	1,846,869	106,339	8,836,506
PAD District I Total									
August 1991	430,794	25,071	2,584,768	71,649	11,117	277,268	502,443	36,188	2,862,036
July 1991	418,038	20,867	2,548,926	69,233	13,104	312,865	487,271	33,991	2,861,791
August 1990	441,832	26,407	2,660,065	75,658	10,087	278,124	517,490	36,494	2,938,189
Subdistrict IA Total									
August 1991	20,352	W	W	-	W	W	20,352	3,623	398,101
July 1991	20,062	W	335,047	-	W	64,756	20,062	5,687	399,803
August 1990	29,782	W	337,305	-	W	33,584	29,782	2,984	370,889
Connecticut									
August 1991	W	W	W	-	W	W	W	538	112,810
July 1991	W	W	W	-	W	W	W	1,199	109,025
August 1990	W	W	W	-	W	W	W	486	101,888
Maine									
August 1991	W	W	W	-	W	W	W	303	47,162
July 1991	W	W	W	-	W	W	W	340	47,922
August 1990	W	100	W	-	W	W	W	W	45,098
Massachusetts									
August 1991	10,956	W	W	-	W	W	10,956	1,938	145,372
July 1991	10,884	W	131,888	-	W	38,194	10,884	2,881	170,082
August 1990	17,328	W	133,863	-	W	26,511	17,328	1,860	160,374
New Hampshire									
August 1991	W	68	16,942	-	W	W	W	W	W
July 1991	W	98	W	-	W	W	W	W	18,384
August 1990	W	W	W	-	W	W	W	372	18,393
Rhode Island									
August 1991	2,356	W	W	-	W	W	2,356	88	39,183
July 1991	2,296	W	W	-	W	W	2,296	82	47,578
August 1990	2,788	W	W	-	W	W	2,788	63	40,159
Vermont									
August 1991	-	W	W	-	-	W	-	W	W
July 1991	-	W	W	-	-	W	-	W	6,812
August 1990	W	W	W	-	-	W	W	W	4,977
Subdistrict IB Total									
August 1991	143,294	W	W	30,221	W	W	173,515	13,963	1,231,638
July 1991	139,112	W	1,083,386	28,536	W	115,864	167,648	10,526	1,199,250
August 1990	161,636	W	1,153,849	30,514	W	122,821	192,150	12,237	1,276,670
Delaware									
August 1991	W	168	W	-	-	W	W	168	24,007
July 1991	W	W	22,135	-	-	2,018	W	W	24,153
August 1990	W	W	W	-	-	W	W	W	27,667
District of Columbia									
August 1991	-	350	13,103	-	-	-	-	350	13,103
July 1991	-	358	12,837	-	-	-	-	358	12,837
August 1990	-	533	12,786	-	-	-	-	533	12,786
Maryland									
August 1991	-	1,692	152,579	-	-	15,786	-	1,692	168,365
July 1991	-	1,595	151,922	-	-	14,361	-	1,595	166,283
August 1990	-	W	W	W	W	W	W	2,007	171,382
New Jersey									
August 1991	W	W	268,233	W	W	50,899	32,297	1,756	319,132
July 1991	W	1,241	288,110	W	W	48,596	31,520	W	336,706
August 1990	W	1,283	291,527	W	W	59,472	42,410	W	350,999
New York									
August 1991	50,723	W	317,440	W	W	17,237	W	2,094	334,677
July 1991	49,109	W	290,698	W	W	18,328	W	2,287	309,026
August 1990	W	W	322,218	W	W	16,693	73,488	2,631	338,911
Pennsylvania									
August 1991	W	4,307	335,705	W	3,586	36,649	73,697	7,903	372,354
July 1991	W	W	317,684	W	W	32,561	71,384	4,309	350,245
August 1990	63,108	2,429	346,182	12,177	2,570	28,743	75,285	4,995	374,925

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 1991	267,148	13,856	1,125,040	41,428	4,746	137,257	308,576	18,602	1,262,297
July 1991	258,864	13,126	1,130,493	40,697	4,652	132,245	299,561	17,778	1,262,736
August 1990	250,414	16,447	1,168,911	45,144	4,826	121,719	295,558	21,273	1,290,630
Florida									
August 1991	123,756	W	320,904	13,338	W	54,899	137,094	6,663	375,803
July 1991	118,937	W	321,052	13,269	W	54,275	132,206	6,775	375,327
August 1990	102,526	W	335,066	11,496	W	41,365	114,022	7,973	376,431
Georgia									
August 1991	55,033	W	200,022	7,274	W	31,465	62,307	3,091	331,487
July 1991	53,919	W	203,698	7,075	W	29,348	60,994	2,809	333,046
August 1990	W	W	212,930	W	W	26,122	65,132	2,401	239,052
North Carolina									
August 1991	W	3,636	244,515	W	-	18,914	30,011	3,636	263,429
July 1991	W	3,069	242,397	W	-	18,126	29,347	3,069	260,523
August 1990	W	W	254,466	W	W	19,925	31,235	4,475	274,391
South Carolina									
August 1991	W	1,140	104,947	W	-	12,983	32,125	1,140	117,930
July 1991	W	1,136	107,336	W	-	12,642	31,440	1,136	119,978
August 1990	W	1,683	111,445	W	-	17,352	35,791	1,683	128,797
Virginia									
August 1991	W	W	223,447	W	W	14,170	34,221	2,633	237,617
July 1991	W	W	225,656	W	W	12,397	32,896	2,710	238,053
August 1990	W	W	222,629	W	W	12,423	36,156	3,397	235,052
West Virginia									
August 1991	W	W	31,205	W	W	4,826	12,818	1,439	36,031
July 1991	W	W	30,354	W	W	5,457	12,678	1,279	35,811
August 1990	12,764	W	32,375	458	W	4,532	13,222	1,344	36,907
PAD District II Total									
August 1991	490,487	23,624	1,635,475	190,781	1,552	650,107	681,268	25,176	2,285,582
July 1991	498,659	24,282	1,705,808	186,705	2,821	592,695	685,364	27,103	2,298,503
August 1990	508,049	29,396	1,740,071	182,861	978	659,031	690,910	30,374	2,399,102
Illinois									
August 1991	W	W	232,931	W	W	76,086	79,657	982	309,017
July 1991	W	W	251,543	W	W	47,632	80,257	971	299,175
August 1990	W	1,628	264,446	W	-	49,044	83,967	1,628	313,490
Indiana									
August 1991	W	W	130,484	W	W	38,643	48,439	950	169,127
July 1991	W	W	132,573	W	W	34,149	48,227	1,030	166,722
August 1990	W	W	140,318	W	W	49,074	55,706	1,096	189,392
Iowa									
August 1991	2,932	886	58,879	9,975	-	49,207	12,907	886	108,086
July 1991	2,771	756	63,752	9,639	-	49,125	12,410	756	112,877
August 1990	3,059	1,715	68,099	9,970	-	51,515	13,029	1,715	119,614
Kansas									
August 1991	7,767	532	39,861	11,231	W	69,444	18,998	W	109,305
July 1991	7,756	W	40,198	11,152	W	67,525	18,903	1,103	107,723
August 1990	7,756	W	42,306	11,412	W	89,963	19,168	710	132,269
Kentucky									
August 1991	26,881	W	104,658	3,894	W	8,240	30,775	2,406	112,898
July 1991	26,396	2,981	102,949	4,297	-	9,644	30,693	2,981	112,593
August 1990	25,043	W	109,978	4,266	W	9,033	29,309	3,606	119,011
Michigan									
August 1991	W	4,234	239,355	W	-	44,829	96,182	4,234	284,184
July 1991	W	W	241,362	W	W	46,067	94,652	3,778	287,429
August 1990	W	W	241,612	W	W	43,279	99,881	4,972	284,891
Minnesota									
August 1991	30,906	W	74,272	11,233	W	51,184	42,139	1,621	125,456
July 1991	30,187	W	84,003	11,057	W	53,969	41,244	1,728	137,972
August 1990	30,219	W	84,408	6,736	W	60,441	36,955	1,279	144,849
Missouri									
August 1991	25,873	W	110,627	18,179	W	57,241	44,052	1,046	167,868
July 1991	26,037	W	120,439	17,486	W	48,913	43,523	872	169,352
August 1990	24,971	W	120,928	17,246	W	68,533	42,217	950	189,461

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 1991	W	375	27,366	W	-	30,224	7,682	375	57,590
July 1991	W	455	30,291	W	-	31,374	7,747	455	61,665
August 1990	W	739	29,755	W	-	30,250	8,200	739	60,005
North Dakota									
August 1991	644	167	18,647	W	-	16,262	W	167	34,909
July 1991	675	W	16,597	W	-	17,083	W	W	33,680
August 1990	W	W	16,872	W	-	15,141	755	W	32,013
Ohio									
August 1991	W	W	204,702	W	W	10,358	190,543	7,844	215,060
July 1991	W	W	204,425	W	W	12,003	197,813	8,262	216,428
August 1990	W	W	215,504	W	W	9,195	191,448	8,937	224,699
Oklahoma									
August 1991	18,660	W	88,233	8,097	W	95,322	26,757	2,416	183,555
July 1991	18,995	W	95,908	8,242	W	74,213	27,237	3,351	170,121
August 1990	20,002	2,041	91,384	7,763	160	73,485	27,765	2,201	164,869
South Dakota									
August 1991	W	W	18,192	W	W	17,188	W	W	35,380
July 1991	W	W	22,309	W	W	18,140	W	230	40,449
August 1990	W	W	21,746	W	W	19,029	637	W	40,775
Tennessee									
August 1991	36,509	W	176,355	16,212	W	34,588	52,721	916	210,943
July 1991	36,225	W	183,717	16,600	W	33,511	52,825	1,013	217,228
August 1990	37,228	W	178,202	15,554	W	32,220	52,782	963	210,422
Wisconsin									
August 1991	W	W	110,913	W	W	51,291	28,980	337	162,204
July 1991	W	253	115,742	W	W	49,347	28,389	W	165,089
August 1990	W	W	114,513	W	W	58,829	29,091	485	173,342
PAD District III Total									
August 1991	192,931	4,240	872,730	97,405	1,418	518,253	290,336	5,658	1,390,983
July 1991	192,041	4,390	939,469	111,113	1,394	521,140	303,154	5,784	1,460,609
August 1990	202,146	W	1,039,698	81,603	W	573,161	283,749	9,315	1,612,859
Alabama									
August 1991	14,560	W	113,253	3,774	W	33,099	18,334	503	146,352
July 1991	17,214	W	117,103	3,791	W	32,486	21,005	755	149,589
August 1990	15,569	1,691	116,262	4,531	95	30,856	20,100	1,789	147,118
Arkansas									
August 1991	W	W	66,217	W	W	31,769	13,437	255	97,986
July 1991	W	W	68,789	W	W	32,804	13,483	228	101,593
August 1990	4,293	W	71,268	8,754	W	43,334	13,047	301	114,602
Louisiana									
August 1991	24,026	W	116,804	4,517	W	61,493	28,543	997	178,297
July 1991	24,205	W	128,191	5,243	W	75,055	29,448	985	203,246
August 1990	28,809	1,371	141,563	3,657	122	55,264	32,466	1,493	196,827
Mississippi									
August 1991	W	256	66,676	W	117	39,016	7,947	373	105,692
July 1991	W	287	80,222	W	129	28,765	7,982	416	108,987
August 1990	W	328	78,827	W	65	19,902	7,850	393	98,729
New Mexico									
August 1991	3,155	354	32,987	6,275	211	24,405	9,430	565	57,392
July 1991	3,171	W	32,618	6,269	W	25,056	9,440	555	57,674
August 1990	W	W	33,923	W	W	24,938	7,442	743	58,861
Texas									
August 1991	141,696	2,075	476,793	70,949	890	328,471	212,645	2,965	805,264
July 1991	138,061	1,986	512,546	83,735	859	326,974	221,796	2,845	839,520
August 1990	144,933	3,555	597,855	57,911	1,041	398,867	202,844	4,596	996,722
PAD District IV Total									
August 1991	38,400	1,715	174,230	27,591	1,014	103,823	65,991	2,729	278,053
July 1991	37,707	1,611	182,639	29,623	890	98,907	67,330	2,501	281,546
August 1990	33,158	W	186,793	27,954	W	107,832	61,112	3,749	294,625
Colorado									
August 1991	25,140	W	57,104	24,268	-	33,461	49,408	W	90,565
July 1991	24,429	W	58,141	26,373	W	33,508	50,802	W	91,649
August 1990	20,691	W	62,447	24,594	-	34,589	45,285	W	97,036

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 1991	W	W	32,714	W	-	15,928	600	W	48,642
July 1991	W	W	33,277	W	-	15,941	576	W	49,218
August 1990	W	W	35,073	W	-	16,355	652	W	51,428
Montana									
August 1991	W	W	29,420	W	W	19,446	W	269	48,866
July 1991	W	W	30,268	W	W	19,897	W	269	50,185
August 1990	W	W	31,013	W	-	17,128	3,492	W	48,141
Utah									
August 1991	W	W	42,102	W	W	21,341	10,671	835	63,443
July 1991	W	W	47,136	W	W	16,149	10,625	749	63,285
August 1990	W	W	44,263	W	W	27,464	9,723	1,370	71,727
Wyoming									
August 1991	W	W	12,890	1,412	W	13,647	W	328	26,537
July 1991	W	W	13,817	1,386	W	13,412	W	251	27,229
August 1990	592	W	13,997	1,368	W	12,296	1,960	324	26,293
PAD District V Total									
August 1991	225,294	11,384	1,336,837	91,555	5,491	256,805	316,849	16,875	1,593,642
July 1991	221,644	11,282	1,346,158	89,622	5,792	257,921	311,266	17,074	1,604,079
August 1990	213,014	13,053	1,335,467	80,594	NA	256,264	293,608	26,407	1,591,731
Alaska									
August 1991	W	W	W	W	W	W	4,892	866	19,886
July 1991	W	W	W	W	W	W	4,599	955	21,028
August 1990	W	W	W	3,583	W	W	W	577	19,993
Arizona									
August 1991	W	W	92,198	W	W	11,035	30,667	1,728	103,233
July 1991	W	525	86,330	W	1,084	10,870	30,600	1,609	97,200
August 1990	W	W	87,700	W	W	13,454	32,194	W	101,154
California									
August 1991	138,756	8,501	880,169	70,007	1,188	189,373	208,763	9,689	1,069,542
July 1991	135,829	8,598	905,718	69,136	1,550	193,239	204,965	10,148	1,098,957
August 1990	131,166	9,059	881,996	57,672	NA	196,358	188,838	17,689	1,078,354
Hawaii									
August 1991	W	W	W	W	W	W	5,466	2,819	25,631
July 1991	W	W	W	W	W	W	5,264	2,788	24,864
August 1990	W	W	W	W	W	W	W	3,025	24,942
Nevada									
August 1991	W	W	58,032	W	W	12,406	4,690	529	70,438
July 1991	W	W	55,402	W	W	10,532	4,580	387	65,934
August 1990	W	411	52,858	W	W	8,995	5,351	W	61,853
Oregon									
August 1991	W	W	109,947	W	W	9,839	17,131	323	119,786
July 1991	W	W	105,693	W	W	9,193	17,057	363	114,886
August 1990	W	W	110,358	W	W	10,501	16,356	689	120,859
Washington									
August 1991	W	921	165,473	W	-	19,653	45,240	921	185,126
July 1991	W	824	161,301	W	-	19,909	44,201	824	181,210
August 1990	W	1,053	169,529	W	-	15,047	42,529	1,053	184,576

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 1991	56,971	297,778	1,277,132	5,735,195	260,274	790,316	349,136	1,587,007
July 1991	56,066	303,723	1,269,592	5,825,969	261,174	784,646	354,006	1,592,190
August 1990	70,436	448,805	1,294,432	5,896,913	244,382	801,548	343,958	1,689,239
PAD District I Total								
August 1991	262	204	332,036	1,697,831	93,556	426,676	112,777	737,325
July 1991	410	195	319,152	1,719,615	91,066	422,019	110,634	719,962
August 1990	1,047	1,897	344,798	1,699,542	89,071	449,398	119,068	787,352
Subdistrict IA Total								
August 1991	-	-	13,514	217,271	4,229	54,771	6,232	96,059
July 1991	-	-	14,713	258,136	4,512	53,550	6,524	88,117
August 1990	W	-	19,489	222,918	W	52,498	8,033	95,473
Connecticut								
August 1991	-	-	2,497	65,008	928	18,083	W	29,719
July 1991	-	-	2,819	63,542	W	17,503	1,511	27,980
August 1990	-	-	2,547	56,129	764	16,633	W	29,126
Maine								
August 1991	-	-	356	32,554	50	6,169	W	8,439
July 1991	-	-	W	33,814	68	6,169	64	7,939
August 1990	-	-	1,356	30,641	W	6,113	W	8,344
Massachusetts								
August 1991	-	-	7,248	82,124	2,181	21,166	3,465	42,082
July 1991	-	-	7,802	113,647	2,375	20,189	3,588	36,246
August 1990	-	-	11,463	99,637	3,062	20,029	4,663	40,708
New Hampshire								
August 1991	-	-	W	W	562	W	716	W
July 1991	-	-	2,354	11,246	W	W	754	W
August 1990	-	-	2,309	10,535	W	W	807	W
Rhode Island								
August 1991	-	-	1,345	23,116	508	5,462	591	10,605
July 1991	-	-	1,298	31,622	473	5,447	607	10,509
August 1990	W	-	W	23,016	525	5,418	705	11,725
Vermont								
August 1991	-	-	W	W	-	W	-	W
July 1991	-	-	W	4,265	-	W	-	W
August 1990	-	-	W	2,960	W	W	W	W
Subdistrict IB Total								
August 1991	W	W	120,409	698,768	W	W	37,778	362,435
July 1991	W	W	113,317	683,981	W	W	36,759	352,266
August 1990	985	1,501	131,542	711,423	27,581	175,211	44,279	388,535
Delaware								
August 1991	-	-	498	13,561	171	5,186	W	5,260
July 1991	-	-	504	13,900	229	5,068	W	5,185
August 1990	-	-	707	15,413	224	5,987	W	6,267
District of Columbia								
August 1991	-	-	204	4,288	W	2,596	W	6,219
July 1991	-	-	W	4,247	62	2,559	W	6,031
August 1990	-	-	293	4,076	W	2,552	W	6,158
Maryland								
August 1991	-	-	1,135	84,972	192	36,185	365	47,208
July 1991	-	-	1,116	84,239	256	35,536	223	46,508
August 1990	-	-	1,449	83,145	W	37,724	393	50,513
New Jersey								
August 1991	-	-	19,440	178,680	5,484	36,763	9,129	103,689
July 1991	-	-	18,947	196,150	W	33,856	8,981	106,700
August 1990	-	-	24,666	206,706	W	35,065	13,237	109,228
New York								
August 1991	W	W	46,721	192,033	8,879	W	13,172	105,603
July 1991	W	W	45,079	176,793	8,250	W	12,869	98,145
August 1990	400	538	52,107	185,185	8,267	35,058	15,345	118,130
Pennsylvania								
August 1991	W	W	52,411	225,234	W	W	14,776	94,456
July 1991	W	W	W	208,652	13,519	W	14,454	89,697
August 1990	585	963	52,320	216,898	12,445	58,825	14,934	98,239
Subdistrict IC Total								
August 1991	W	W	198,113	781,792	W	W	68,767	278,831
July 1991	W	W	191,122	777,498	W	W	67,351	279,579
August 1990	W	396	193,767	765,201	W	221,689	66,756	303,344

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 1991	-	W	78,920	210,358	27,924	W	36,913	100,270
July 1991	-	-	75,946	210,487	27,252	64,831	35,783	100,009
August 1990	W	W	66,112	205,934	W	W	33,202	106,239
Georgia								
August 1991	-	-	41,495	150,364	11,432	32,847	12,471	48,276
July 1991	-	-	40,243	150,307	11,149	34,534	12,411	48,205
August 1990	-	W	42,530	147,256	12,154	W	12,849	53,184
North Carolina								
August 1991	-	-	23,344	176,020	5,575	38,619	4,728	48,790
July 1991	-	-	22,393	171,188	5,371	40,390	4,652	48,945
August 1990	-	W	25,645	172,805	5,585	W	4,480	53,868
South Carolina								
August 1991	-	-	23,184	81,407	5,574	16,047	4,507	20,476
July 1991	-	-	22,653	81,985	5,589	16,930	4,334	21,063
August 1990	-	-	26,328	83,843	6,002	20,292	5,144	24,662
Virginia								
August 1991	-	-	21,547	139,219	7,308	43,944	7,999	54,454
July 1991	-	-	20,467	139,242	7,091	43,861	8,048	54,950
August 1990	-	W	23,278	131,747	7,501	W	8,774	58,668
West Virginia								
August 1991	W	W	9,623	24,424	W	W	2,149	6,565
July 1991	W	W	9,420	24,289	W	W	2,123	6,407
August 1990	W	W	9,874	23,616	W	W	2,307	6,723
PAD District II Total								
August 1991	3,071	19,280	505,751	1,772,397	98,295	194,298	99,327	299,607
July 1991	2,291	23,426	506,412	1,765,397	99,628	195,651	104,136	314,029
August 1990	8,460	91,927	528,940	1,822,590	87,923	179,241	95,961	305,344
Illinois								
August 1991	-	-	54,304	230,609	12,462	31,472	13,873	46,936
July 1991	-	-	54,812	216,541	12,307	32,654	14,109	49,980
August 1990	40	1,183	59,624	231,829	11,208	28,405	14,723	52,073
Indiana								
August 1991	W	W	35,660	124,793	W	19,912	6,950	W
July 1991	W	W	35,464	119,194	W	W	7,061	23,968
August 1990	W	4,375	43,008	142,856	W	19,814	7,031	22,347
Iowa								
August 1991	W	W	11,990	97,459	129	W	W	8,700
July 1991	W	407	11,407	102,073	W	1,646	1,464	8,751
August 1990	827	8,799	12,575	100,630	95	995	1,247	9,190
Kansas								
August 1991	W	3,258	15,467	93,657	1,514	2,731	2,439	9,659
July 1991	283	3,933	15,727	90,680	1,505	2,937	2,496	10,173
August 1990	894	12,750	15,461	107,292	1,241	2,520	2,282	9,707
Kentucky								
August 1991	578	161	22,206	73,588	5,087	20,205	5,310	18,944
July 1991	W	186	22,921	73,322	W	19,988	5,447	19,097
August 1990	W	307	22,784	78,255	W	20,755	5,021	19,694
Michigan								
August 1991	W	2,439	74,798	214,172	W	24,868	13,161	42,705
July 1991	W	2,900	73,505	216,112	W	25,533	13,380	42,884
August 1990	W	4,465	80,910	217,301	W	23,840	13,031	39,285
Minnesota								
August 1991	494	1,950	33,873	105,177	4,344	7,523	5,049	10,806
July 1991	531	2,294	32,996	116,567	4,340	7,863	5,105	11,248
August 1990	1,911	11,170	29,964	117,251	1,320	4,857	5,039	11,571
Missouri								
August 1991	245	163	31,588	130,335	6,293	13,977	6,972	23,393
July 1991	247	228	30,873	129,731	6,107	12,987	7,168	26,406
August 1990	1,155	11,534	30,314	142,965	4,633	9,912	7,065	25,050
Nebraska								
August 1991	W	W	5,957	52,967	W	W	935	2,959
July 1991	W	1,671	6,129	56,574	W	W	887	W
August 1990	579	7,681	5,436	49,262	W	W	W	W
North Dakota								
August 1991	22	2,882	687	27,367	W	W	78	W
July 1991	34	3,007	788	28,135	W	W	92	W
August 1990	95	5,041	778	24,763	W	W	69	W

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 1991	W	W	141,194	163,073	32,531	W	W	31,201
July 1991	W	W	142,942	162,991	35,129	W	W	31,495
August 1990	102	552	146,122	171,462	32,185	22,874	21,976	29,811
Oklahoma								
August 1991	48	2,251	20,446	160,457	3,882	2,266	4,797	18,581
July 1991	70	2,884	21,638	141,690	3,929	2,512	951	23,035
August 1990	1,259	13,752	21,757	130,288	2,662	203	4,288	20,626
South Dakota								
August 1991	W	1,322	1,023	31,183	-	322	W	2,553
July 1991	W	1,642	909	35,873	-	383	W	2,551
August 1990	127	W	1,320	33,101	-	W	W	2,752
Tennessee								
August 1991	-	W	33,653	139,263	10,340	W	9,644	38,037
July 1991	-	W	33,766	143,421	9,986	W	10,086	38,921
August 1990	-	W	35,093	135,372	10,183	W	8,469	38,471
Wisconsin								
August 1991	W	775	22,905	128,297	W	12,437	3,965	20,695
July 1991	W	897	22,535	132,493	2,140	10,720	3,983	20,979
August 1990	646	5,686	23,794	139,963	1,290	7,132	3,846	20,561
PAD District III Total								
August 1991	2,897	14,445	179,411	1,043,276	54,320	140,565	59,366	192,697
July 1991	2,988	15,693	187,849	1,103,182	56,204	138,234	61,897	203,500
August 1990	2,546	33,147	175,286	1,195,313	54,347	140,634	60,885	243,765
Alabama								
August 1991	-	-	11,589	100,172	3,094	19,338	4,154	26,842
July 1991	-	-	13,314	102,497	4,106	19,911	4,340	27,181
August 1990	W	-	14,109	97,723	3,759	20,934	W	28,461
Arkansas								
August 1991	-	W	10,786	71,394	W	W	W	15,308
July 1991	-	W	10,803	73,658	W	W	W	16,534
August 1990	W	2,758	10,638	82,349	W	W	1,061	W
Louisiana								
August 1991	-	-	16,614	125,590	6,043	21,992	6,883	30,715
July 1991	-	W	17,230	149,010	6,190	W	7,013	32,821
August 1990	-	283	18,826	129,174	6,957	20,706	8,176	46,664
Mississippi								
August 1991	-	-	5,734	79,981	W	11,307	W	14,404
July 1991	-	-	5,798	82,182	W	10,370	W	16,435
August 1990	-	-	5,856	66,746	1,290	12,839	1,097	19,144
New Mexico								
August 1991	W	9,063	7,064	41,950	W	652	1,284	5,727
July 1991	W	10,393	7,107	41,168	W	657	1,240	5,456
August 1990	1,258	13,391	5,752	39,942	W	W	W	W
Texas								
August 1991	W	W	127,624	624,189	W	W	44,663	99,701
July 1991	W	5,280	133,597	654,667	W	74,500	46,889	105,073
August 1990	1,089	16,715	120,105	779,379	40,634	73,370	45,612	127,258
PAD District IV Total								
August 1991	5,075	51,084	42,906	182,602	7,843	8,001	12,896	36,366
July 1991	5,145	53,261	43,549	182,881	8,041	8,006	13,096	37,398
August 1990	8,843	72,472	40,688	182,066	4,431	5,293	10,899	34,794
Colorado								
August 1991	3,243	10,779	31,954	60,714	W	5,985	9,293	13,087
July 1991	3,264	11,292	32,922	61,073	W	5,880	9,405	13,404
August 1990	W	17,318	29,889	62,446	3,941	4,326	7,491	12,946
Idaho								
August 1991	135	13,504	493	30,700	-	-	W	4,438
July 1991	148	13,404	490	31,293	-	-	W	4,521
August 1990	175	17,369	532	29,976	-	-	W	4,083
Montana								
August 1991	614	11,733	2,186	31,084	-	-	W	6,049
July 1991	W	12,782	2,189	31,042	-	-	514	6,341
August 1990	804	14,316	2,237	28,480	-	-	W	5,345
Utah								
August 1991	W	10,477	6,588	41,842	W	W	2,556	W
July 1991	W	11,082	6,330	40,827	W	W	2,668	W
August 1990	W	17,070	6,572	44,758	W	W	2,492	W

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 1991	W	4,591	1,685	18,262	-	W	476	W
July 1991	428	4,701	1,818	18,646	-	W	W	W
August 1990	454	6,399	1,458	16,408	W	W	W	W
PAD District V Total								
August 1991	45,666	212,785	217,028	1,039,089	6,260	20,776	64,770	321,012
July 1991	45,232	211,148	212,630	1,054,894	6,235	20,736	64,273	317,301
August 1990	49,540	249,362	204,720	997,402	8,610	26,982	57,145	317,984
Alaska								
August 1991	970	W	4,269	15,070	W	-	W	W
July 1991	867	W	4,149	16,418	W	-	W	W
August 1990	250	4,339	2,022	14,353	W	-	W	1,301
Arizona								
August 1991	W	20,305	21,592	67,625	W	65	6,035	15,238
July 1991	W	18,962	21,431	63,684	W	W	5,896	W
August 1990	5,285	21,646	22,323	64,876	W	W	5,782	W
California								
August 1991	25,266	W	142,916	709,103	5,163	W	45,107	239,817
July 1991	24,931	W	139,961	734,770	5,126	W	45,095	242,552
August 1990	27,029	125,961	134,268	686,272	5,792	24,665	39,438	241,455
Hawaii								
August 1991	-	-	4,968	15,517	1,025	2,022	2,292	8,092
July 1991	-	-	4,734	14,827	1,007	1,951	2,311	8,086
August 1990	-	-	W	13,481	771	2,014	2,010	9,447
Nevada								
August 1991	W	12,574	3,588	46,839	-	W	W	W
July 1991	W	12,316	3,360	43,199	-	W	W	W
August 1990	1,584	12,818	W	39,352	-	W	815	W
Oregon								
August 1991	3,759	30,588	11,218	73,126	W	W	W	W
July 1991	3,790	30,312	11,262	71,487	W	-	W	13,087
August 1990	4,270	34,584	10,589	72,728	W	-	W	13,547
Washington								
August 1991	10,058	43,619	28,477	111,809	-	W	7,626	W
July 1991	9,921	43,292	27,733	110,509	-	W	7,371	W
August 1990	11,122	50,014	25,949	106,340	-	W	6,511	W

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

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

Table 44. Refiner Volumes of Aviation Fuels and Propane
(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 1991	7,198	28,495	1,277,911	286,202	71,669	718,724
July 1991	7,947	28,405	1,233,259	303,964	69,064	731,197
August 1990	8,110	29,510	1,347,885	252,758	73,229	827,070
PAD District I Total						
August 1991	2,963	4,822	347,055	39,869	W	104,162
July 1991	3,013	4,457	334,605	45,849	14,788	93,417
August 1990	3,001	5,430	392,368	38,038	20,474	97,007
Subdistrict IA Total						
August 1991	W	W	36,228	1,188	W	4,970
July 1991	W	W	31,505	1,445	W	4,567
August 1990	W	695	37,327	2,274	W	4,261
Connecticut						
August 1991	W	W	4,733	W	W	2,184
July 1991	W	W	3,709	W	W	1,873
August 1990	W	W	4,621	W	W	1,570
Maine						
August 1991	W	W	W	W	W	W
July 1991	W	W	4,503	W	W	W
August 1990	W	W	W	W	W	W
Massachusetts						
August 1991	W	W	25,788	670	W	1,503
July 1991	W	W	22,039	868	W	1,633
August 1990	W	225	25,157	1,282	W	1,379
New Hampshire						
August 1991	W	W	190	W	W	634
July 1991	W	W	W	W	-	602
August 1990	W	W	W	W	W	412
Rhode Island						
August 1991	W	W	687	W	-	W
July 1991	W	W	771	W	-	W
August 1990	W	W	1,073	W	-	W
Vermont						
August 1991	W	W	W	W	W	449
July 1991	W	W	W	-	W	293
August 1990	W	W	128	W	W	368
Subdistrict IB Total						
August 1991	W	W	171,706	31,522	1,723	34,374
July 1991	W	W	165,305	37,123	W	34,639
August 1990	W	925	179,454	24,640	W	30,986
Delaware						
August 1991	W	W	50	190	-	W
July 1991	W	W	66	W	W	W
August 1990	W	271	91	W	-	W
District of Columbia						
August 1991	-	-	-	-	-	-
July 1991	-	-	-	-	-	-
August 1990	-	-	-	-	-	-
Maryland						
August 1991	W	W	7,440	150	W	W
July 1991	W	W	7,939	W	W	W
August 1990	W	W	7,212	W	W	W
New Jersey						
August 1991	W	W	126,554	24,957	286	4,146
July 1991	W	W	118,919	30,922	277	4,088
August 1990	W	W	130,662	16,494	NA	5,633
New York						
August 1991	W	W	8,780	2,172	W	5,895
July 1991	W	W	8,607	2,173	W	7,055
August 1990	W	W	8,137	3,438	W	7,074
Pennsylvania						
August 1991	W	156	28,882	4,053	525	18,497
July 1991	W	W	29,774	3,519	W	18,962
August 1990	W	229	33,352	4,131	W	13,495
Subdistrict IC Total						
August 1991	1,423	3,462	139,121	7,159	W	64,818
July 1991	1,568	3,148	137,795	7,081	11,447	54,211
August 1990	1,567	3,810	175,587	11,124	16,173	61,760

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 1991	826	1,458	58,419	2,298	W	9,293
July 1991	903	1,454	56,749	2,015	W	9,893
August 1990	854	2,017	74,515	3,783	NA	12,888
Georgia						
August 1991	176	757	38,402	2,504	W	10,017
July 1991	214	W	39,143	2,603	W	9,594
August 1990	216	W	52,697	3,473	W	9,480
North Carolina						
August 1991	120	W	7,320	635	W	30,093
July 1991	126	W	6,970	715	W	19,732
August 1990	W	W	6,694	1,117	6,169	24,152
South Carolina						
August 1991	W	299	2,377	W	946	11,253
July 1991	W	W	2,464	W	973	11,226
August 1990	W	W	3,278	W	1,079	10,625
Virginia						
August 1991	94	W	32,157	1,342	1,050	3,667
July 1991	97	W	31,955	1,337	935	3,112
August 1990	W	139	37,842	2,300	1,294	4,271
West Virginia						
August 1991	W	W	446	W	W	495
July 1991	W	W	514	W	W	654
August 1990	W	-	561	W	W	344
PAD District II Total						
August 1991	1,546	7,619	238,248	29,306	23,153	247,865
July 1991	2,017	8,019	221,334	32,515	19,620	242,017
August 1990	1,471	8,252	203,696	28,503	20,920	305,822
Illinois						
August 1991	W	789	29,419	6,162	4,132	26,214
July 1991	W	586	28,492	4,656	2,938	27,901
August 1990	W	W	16,172	1,610	NA	28,919
Indiana						
August 1991	52	1,495	52,491	4,088	1,993	9,868
July 1991	97	1,537	50,616	11,250	1,648	8,494
August 1990	76	1,500	49,875	6,750	W	14,628
Iowa						
August 1991	W	314	W	970	W	12,066
July 1991	W	378	W	949	W	10,269
August 1990	W	W	1,540	978	W	11,078
Kansas						
August 1991	W	383	5,400	1,133	W	84,172
July 1991	W	552	6,462	1,274	W	91,705
August 1990	W	606	8,083	2,152	W	117,553
Kentucky						
August 1991	W	144	21,444	254	2,268	12,627
July 1991	W	W	20,681	223	3,014	12,266
August 1990	W	157	20,121	282	1,957	13,095
Michigan						
August 1991	416	548	25,754	1,565	5,410	11,267
July 1991	880	314	23,702	1,488	4,847	7,451
August 1990	293	524	26,157	3,965	W	8,072
Minnesota						
August 1991	W	1,095	14,553	2,888	W	16,247
July 1991	W	1,028	11,937	2,423	W	12,211
August 1990	W	W	14,579	1,874	W	14,255
Missouri						
August 1991	W	404	9,837	W	422	16,213
July 1991	W	456	9,499	1,550	308	9,667
August 1990	W	471	10,022	1,965	943	21,459
Nebraska						
August 1991	W	344	1,640	548	W	11,174
July 1991	W	418	1,908	547	W	16,922
August 1990	W	407	1,524	1,185	W	10,120
North Dakota						
August 1991	71	W	544	223	W	7,637
July 1991	47	W	525	W	W	8,069
August 1990	48	W	821	152	W	11,197

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 1991	W	575	34,216	5,437	1,793	11,326
July 1991	W	442	30,008	2,906	1,473	12,835
August 1990	W	557	31,209	2,652	W	19,723
Oklahoma						
August 1991	51	524	26,990	2,898	179	13,762
July 1991	54	611	23,041	3,326	173	11,940
August 1990	76	879	12,896	2,759	W	16,365
South Dakota						
August 1991	W	W	W	W	W	2,576
July 1991	W	W	W	W	W	2,081
August 1990	W	533	522	266	W	4,531
Tennessee						
August 1991	W	322	11,439	663	W	4,480
July 1991	W	321	9,484	657	W	3,830
August 1990	W	535	6,668	1,186	W	4,742
Wisconsin						
August 1991	-	284	2,557	829	1,954	8,226
July 1991	W	843	2,558	926	1,563	6,376
August 1990	W	W	3,507	727	W	10,085
PAD District III Total						
August 1991	714	5,252	292,230	117,101	19,186	305,351
July 1991	782	5,408	280,927	126,865	22,146	335,897
August 1990	982	4,508	290,382	95,717	21,063	347,323
Alabama						
August 1991	106	290	3,092	726	972	8,948
July 1991	116	320	2,809	551	W	6,023
August 1990	138	274	3,164	867	W	11,488
Arkansas						
August 1991	W	W	494	733	2,210	5,622
July 1991	W	W	910	936	1,854	4,410
August 1990	W	508	1,222	754	W	4,982
Louisiana						
August 1991	W	311	71,778	36,953	W	36,486
July 1991	W	206	73,877	38,297	1,685	31,898
August 1990	W	W	53,363	19,474	W	43,832
Mississippi						
August 1991	122	446	22,342	13,891	W	16,946
July 1991	159	520	16,207	19,653	W	31,110
August 1990	181	566	8,953	6,559	NA	26,578
New Mexico						
August 1991	W	W	3,492	702	1,949	10,672
July 1991	W	W	3,311	580	2,005	9,563
August 1990	W	W	2,963	1,316	1,038	6,283
Texas						
August 1991	251	3,450	191,032	64,096	12,881	226,677
July 1991	242	3,216	183,813	66,848	15,367	252,953
August 1990	336	2,631	220,687	66,747	17,667	254,160
PAD District IV Total						
August 1991	507	1,663	40,724	3,692	W	21,068
July 1991	447	1,812	40,346	4,262	3,286	18,178
August 1990	625	1,793	46,072	3,988	W	26,261
Colorado						
August 1991	W	718	19,856	2,392	W	6,064
July 1991	45	687	21,232	3,061	W	4,765
August 1990	W	821	24,347	2,646	37	9,038
Idaho						
August 1991	W	W	1,068	313	W	W
July 1991	W	W	1,098	310	W	120
August 1990	W	W	1,934	273	W	W
Montana						
August 1991	W	W	2,189	W	W	5,054
July 1991	W	W	1,997	W	W	4,094
August 1990	W	W	2,000	W	W	4,796
Utah						
August 1991	W	572	17,322	613	W	W
July 1991	W	747	15,803	481	W	2,239
August 1990	W	584	17,372	750	W	W

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 1991	W	W	289	W	193	7,242
July 1991	W	W	216	W	W	6,960
August 1990	W	W	419	W	W	9,490
PAD District V Total						
August 1991	1,488	9,139	359,654	96,234	8,634	40,278
July 1991	1,688	8,709	356,047	94,673	9,224	41,668
August 1990	2,031	9,527	415,367	86,512	W	50,657
Alaska						
August 1991	W	W	41,004	8,424	W	W
July 1991	W	W	38,598	7,962	W	W
August 1990	W	2,557	47,012	14,868	W	W
Arizona						
August 1991	W	469	18,043	2,003	W	3,382
July 1991	229	462	17,395	3,825	W	2,357
August 1990	349	405	14,316	1,793	W	2,449
California						
August 1991	831	3,493	188,759	73,318	5,797	27,451
July 1991	822	3,466	194,342	71,469	6,412	27,923
August 1990	1,068	3,740	226,643	64,272	W	33,858
Hawaii						
August 1991	W	W	34,100	W	-	W
July 1991	W	W	31,987	W	-	W
August 1990	W	W	36,092	W	-	W
Nevada						
August 1991	W	351	12,256	1,075	W	571
July 1991	W	325	12,375	789	W	W
August 1990	W	308	12,050	932	NA	556
Oregon						
August 1991	W	W	12,775	W	W	150
July 1991	W	675	11,433	W	W	168
August 1990	W	W	11,612	W	W	NA
Washington						
August 1991	W	W	52,717	6,538	W	7,136
July 1991	119	W	49,917	7,889	W	8,966
August 1990	W	1,579	63,642	3,530	W	11,682

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 1991	9,673	31,745	8,611	31,160	789,468	2,931,966
July 1991	5,770	22,784	8,478	23,677	750,192	2,943,327
August 1990	3,836	51,430	11,413	38,286	837,174	3,186,675
PAD District I Total						
August 1991	8,558	15,269	572	2,579	227,629	802,536
July 1991	4,236	11,482	W	2,167	207,339	740,983
August 1990	2,407	30,321	1,423	5,072	246,374	897,230
Subdistrict IA Total						
August 1991	133	1,097	108	246	12,372	79,020
July 1991	314	1,669	W	W	10,142	69,327
August 1990	217	1,944	W	547	15,438	87,577
Connecticut						
August 1991	W	W	-	-	2,258	30,327
July 1991	W	W	-	-	2,086	26,573
August 1990	W	W	-	W	2,814	25,520
Maine						
August 1991	-	W	W	91	1,286	14,802
July 1991	-	W	-	W	697	8,060
August 1990	-	W	-	191	W	12,093
Massachusetts						
August 1991	W	190	-	W	6,777	19,574
July 1991	W	122	-	W	5,785	23,082
August 1990	W	158	W	W	9,644	34,755
New Hampshire						
August 1991	-	W	W	W	722	3,178
July 1991	W	W	W	W	665	3,193
August 1990	W	W	W	W	596	4,588
Rhode Island						
August 1991	-	W	W	W	823	8,863
July 1991	-	W	W	W	457	6,132
August 1990	-	-	W	W	W	7,921
Vermont						
August 1991	-	W	-	W	506	2,276
July 1991	-	W	-	W	452	2,287
August 1990	-	W	-	W	610	2,700
Subdistrict IB Total						
August 1991	8,305	6,409	130	1,220	69,159	426,553
July 1991	3,837	6,404	102	W	65,954	371,218
August 1990	1,998	14,665	991	2,943	77,179	447,645
Delaware						
August 1991	W	W	-	-	1,566	W
July 1991	W	W	-	W	1,338	W
August 1990	-	W	-	W	955	W
District of Columbia						
August 1991	-	-	-	-	1,069	W
July 1991	-	-	-	-	1,476	W
August 1990	-	W	-	-	173	W
Maryland						
August 1991	W	W	W	33	8,007	20,412
July 1991	W	W	6	8	8,289	25,124
August 1990	W	1,297	W	19	13,140	32,291
New Jersey						
August 1991	W	1,758	16	79	14,547	168,106
July 1991	W	3,555	W	74	14,637	115,100
August 1990	W	4,097	850	154	19,030	154,232
New York						
August 1991	1,440	1,053	W	813	12,801	72,252
July 1991	1,515	554	W	652	14,665	70,873
August 1990	1,671	3,199	W	997	13,924	84,159
Pennsylvania						
August 1991	159	3,082	74	295	31,168	147,493
July 1991	73	1,870	67	115	25,549	147,835
August 1990	184	6,040	103	1,726	29,957	149,483
Subdistrict IC Total						
August 1991	120	7,763	334	1,113	146,098	296,963
July 1991	85	3,409	313	1,197	131,243	300,438
August 1990	192	13,712	W	1,582	153,757	362,098

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 1991	23	172	W	W	55,322	68,510
July 1991	18	W	W	W	44,239	72,951
August 1990	40	308	W	W	46,198	87,624
Georgia						
August 1991	17	454	W	W	26,092	66,942
July 1991	W	202	-	W	26,321	63,055
August 1990	27	704	W	54	33,436	62,889
North Carolina						
August 1991	28	3,059	19	550	21,966	61,624
July 1991	17	1,370	43	601	19,868	61,059
August 1990	9	5,522	19	490	23,398	80,269
South Carolina						
August 1991	7	1,273	W	W	13,060	26,236
July 1991	3	570	W	W	12,103	26,236
August 1990	54	2,511	W	W	13,329	35,511
Virginia						
August 1991	31	2,478	W	462	18,121	54,975
July 1991	16	922	W	512	18,349	60,602
August 1990	40	4,237	34	865	24,709	78,618
West Virginia						
August 1991	14	327	W	W	11,537	18,676
July 1991	W	W	W	W	10,363	16,535
August 1990	22	430	W	35	12,687	17,097
PAD District II Total						
August 1991	700	6,679	4,727	15,913	263,972	809,569
July 1991	930	3,096	4,733	12,725	253,652	834,127
August 1990	W	6,091	4,847	21,221	279,721	903,103
Illinois						
August 1991	W	W	W	1,121	23,841	103,925
July 1991	W	121	W	810	21,064	103,589
August 1990	W	327	2,381	771	24,567	95,803
Indiana						
August 1991	W	234	10	875	36,431	58,103
July 1991	W	120	W	575	33,955	57,396
August 1990	8	485	29	1,134	39,077	72,158
Iowa						
August 1991	-	107	51	1,034	7,920	46,019
July 1991	-	161	W	1,004	7,888	47,392
August 1990	-	156	80	1,089	7,611	51,879
Kansas						
August 1991	-	50	W	1,350	14,508	61,933
July 1991	-	W	W	989	14,135	63,793
August 1990	-	68	W	2,024	15,386	76,427
Kentucky						
August 1991	W	1,245	303	174	24,252	38,808
July 1991	W	234	W	83	23,890	35,609
August 1990	W	562	449	377	23,630	45,917
Michigan						
August 1991	5	917	W	3,150	16,864	57,136
July 1991	8	678	W	3,065	13,982	56,098
August 1990	23	719	W	4,062	20,717	64,180
Minnesota						
August 1991	W	125	1,130	1,637	9,367	49,477
July 1991	W	77	W	966	12,775	50,337
August 1990	W	249	765	1,862	13,294	55,433
Missouri						
August 1991	W	55	W	555	11,815	49,341
July 1991	-	29	W	775	12,198	51,971
August 1990	W	61	W	470	11,788	56,592
Nebraska						
August 1991	-	W	-	771	9,912	41,564
July 1991	-	W	-	425	10,153	56,895
August 1990	-	W	W	655	8,890	43,572
North Dakota						
August 1991	W	-	W	246	3,930	23,201
July 1991	W	-	-	288	W	21,405
August 1990	W	W	35	784	W	23,590

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 1991	404	2,359	42	469	51,644	70,824
July 1991	722	1,013	19	381	50,384	72,117
August 1990	400	1,799	69	634	56,535	80,043
Oklahoma						
August 1991	W	W	W	1,997	16,040	68,225
July 1991	W	W	W	1,959	13,764	79,616
August 1990	-	30	-	W	13,036	74,674
South Dakota						
August 1991	-	W	-	819	744	18,409
July 1991	-	-	W	241	W	21,844
August 1990	-	170	W	814	W	20,657
Tennessee						
August 1991	W	1,081	W	169	28,823	67,234
July 1991	W	585	W	151	26,403	63,151
August 1990	30	1,339	W	W	30,924	80,466
Wisconsin						
August 1991	-	14	W	1,546	7,861	55,370
July 1991	W	W	W	1,013	8,861	52,914
August 1990	-	120	29	2,114	9,659	61,712
PAD District III Total						
August 1991	W	8,140	592	3,757	141,341	758,473
July 1991	W	6,752	612	3,866	136,677	797,342
August 1990	824	13,919	184	4,090	141,851	797,531
Alabama						
August 1991	W	W	W	200	16,700	41,475
July 1991	W	70	W	182	15,826	42,529
August 1990	W	167	-	192	17,504	49,849
Arkansas						
August 1991	-	160	-	W	9,886	44,816
July 1991	W	248	-	W	11,045	50,781
August 1990	W	145	-	W	12,778	48,121
Louisiana						
August 1991	W	2,983	W	W	20,135	134,730
July 1991	W	516	W	285	21,434	150,940
August 1990	W	5,640	W	83	17,706	127,048
Mississippi						
August 1991	-	W	W	W	7,852	76,087
July 1991	W	W	W	W	6,872	61,027
August 1990	W	W	W	W	7,432	85,471
New Mexico						
August 1991	-	88	-	W	10,475	21,105
July 1991	-	W	W	85	10,018	20,512
August 1990	-	W	-	125	11,092	22,211
Texas						
August 1991	W	594	W	1,136	76,293	440,260
July 1991	W	564	W	1,199	71,482	471,553
August 1990	W	683	W	507	75,339	464,831
PAD District IV Total						
August 1991	-	87	421	2,380	36,875	116,822
July 1991	-	48	W	1,803	34,579	120,591
August 1990	-	114	556	2,998	37,064	126,995
Colorado						
August 1991	-	85	W	1,029	10,247	29,788
July 1991	-	W	W	594	9,763	30,149
August 1990	-	98	336	854	10,021	31,306
Idaho						
August 1991	-	-	-	431	W	19,695
July 1991	-	-	-	436	W	19,985
August 1990	-	W	W	834	2,471	22,135
Montana						
August 1991	-	-	W	256	W	20,367
July 1991	-	-	W	226	W	20,863
August 1990	-	-	W	643	3,509	21,392
Utah						
August 1991	-	W	W	315	7,163	25,519
July 1991	-	W	W	326	6,879	27,470
August 1990	-	W	W	346	8,692	27,537

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 1991	-	-	W	289	13,191	21,453
July 1991	-	W	W	221	11,601	22,124
August 1990	-	-	193	321	12,371	24,625
PAD District V Total						
August 1991	W	1,570	2,299	6,531	119,651	444,566
July 1991	W	1,406	2,254	3,116	117,945	450,284
August 1990	W	985	4,403	4,905	132,164	461,816
Alaska						
August 1991	W	W	1,209	5,185	4,705	23,225
July 1991	W	W	W	1,558	2,504	25,764
August 1990	W	W	NA	2,552	3,107	18,836
Arizona						
August 1991	-	W	W	W	10,825	22,723
July 1991	-	W	W	W	10,327	23,979
August 1990	-	W	W	W	8,087	23,262
California						
August 1991	-	W	308	336	63,809	250,483
July 1991	-	W	W	276	66,317	232,452
August 1990	-	W	W	495	79,904	263,338
Hawaii						
August 1991	-	-	W	W	11,466	5,420
July 1991	-	-	W	W	11,200	5,438
August 1990	-	-	W	W	11,110	4,396
Nevada						
August 1991	-	-	67	W	2,682	18,557
July 1991	-	W	63	W	1,916	16,951
August 1990	-	-	-	271	4,124	20,685
Oregon						
August 1991	-	W	W	194	11,969	55,858
July 1991	-	W	W	569	11,823	55,150
August 1990	-	W	W	473	12,715	54,472
Washington						
August 1991	-	W	W	649	14,195	68,300
July 1991	-	W	W	609	13,858	90,550
August 1990	-	113	W	998	13,116	76,827

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 1991	14,965	12,513	288,457	148,792	479,963	423,998	768,420	572,790
July 1991	18,830	6,358	316,953	110,542	558,926	299,818	875,879	410,360
August 1990	24,495	21,267	378,096	224,108	536,611	352,079	914,707	576,187
PAD District I Total								
August 1991	7,584	3,322	234,084	50,327	262,862	35,170	496,946	85,497
July 1991	10,876	3,527	266,765	40,397	284,109	54,497	550,874	94,894
August 1990	15,552	5,986	331,175	99,855	245,978	47,831	577,153	147,686
Subdistrict IA Total								
August 1991	618	W	W	W	W	W	97,049	W
July 1991	W	W	W	W	W	W	77,101	W
August 1990	1,062	W	56,577	W	28,182	W	84,759	13,774
Subdistrict IB Total								
August 1991	W	2,588	118,212	W	108,071	W	226,283	65,557
July 1991	W	3,023	124,348	W	122,272	W	246,620	60,304
August 1990	13,468	3,518	132,822	W	135,048	W	267,870	120,042
Subdistrict IC Total								
August 1991	W	W	W	-	W	W	173,614	W
July 1991	336	W	W	-	W	W	227,153	W
August 1990	1,022	W	141,776	-	82,748	13,870	224,524	13,870
PAD District II Total								
August 1991	W	W	3,378	7,511	2,592	22,026	5,970	29,537
July 1991	W	W	W	W	W	W	5,996	17,787
August 1990	W	W	W	1,951	W	24,272	14,850	26,223
PAD District III Total								
August 1991	W	W	W	58,136	W	140,982	129,033	199,118
July 1991	W	W	3,470	51,961	167,928	110,322	171,398	162,283
August 1990	64	5,185	W	87,134	W	77,478	175,901	164,612
PAD District IV Total								
August 1991	-	-	W	2,556	W	19	584	2,575
July 1991	-	-	W	W	W	W	889	1,872
August 1990	-	-	-	1,819	272	825	272	2,844
PAD District V Total								
August 1991	W	1,800	43,861	30,262	92,026	225,801	135,887	256,063
July 1991	W	950	44,206	14,388	102,516	119,136	146,722	133,524
August 1990	W	W	33,531	33,349	113,000	201,673	146,531	235,022

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

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

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 1991	362,938	7,275,483	1,105,060	2,004,151	10,747,632
July 1991	369,419	7,279,494	1,103,545	2,011,094	10,763,552
August 1990	533,099	7,405,943	1,100,586	2,121,864	11,161,492
PAD District I Total					
August 1991	820	2,276,878	565,263	900,260	3,743,021
July 1991	888	2,262,247	559,003	885,014	3,707,152
August 1990	4,129	2,267,055	581,752	983,741	3,836,677
Subdistrict IA Total					
August 1991	W	338,268	W	126,598	545,742
July 1991	57	338,203	74,881	118,064	531,205
August 1990	607	335,681	75,754	134,174	546,216
Connecticut					
August 1991	-	71,183	25,326	32,457	128,966
July 1991	-	66,799	20,856	31,588	119,243
August 1990	-	67,885	20,313	34,661	122,859
Maine					
August 1991	-	52,393	9,717	12,841	74,951
July 1991	-	60,009	9,504	12,502	82,015
August 1990	W	53,470	W	13,727	77,510
Massachusetts					
August 1991	-	133,568	29,727	55,206	218,501
July 1991	W	140,001	W	48,710	217,903
August 1990	W	145,903	W	57,276	233,416
New Hampshire					
August 1991	W	26,037	W	7,950	39,724
July 1991	W	26,129	W	7,917	39,669
August 1990	97	24,129	5,796	8,805	38,827
Rhode Island					
August 1991	-	41,218	7,726	13,496	62,440
July 1991	-	30,774	7,177	12,824	50,775
August 1990	-	30,642	7,151	14,464	52,257
Vermont					
August 1991	W	13,869	W	4,648	21,160
July 1991	W	14,491	W	4,523	21,600
August 1990	W	13,652	W	5,241	21,347
Subdistrict IB Total					
August 1991	323	909,212	212,839	414,289	1,535,663
July 1991	460	906,606	210,726	407,066	1,524,858
August 1990	2,580	924,350	218,107	466,228	1,611,355
Delaware					
August 1991	-	19,716	7,016	7,206	33,938
July 1991	-	19,050	6,904	6,901	32,855
August 1990	-	21,687	7,942	8,707	38,336
District of Columbia					
August 1991	-	4,756	2,638	6,391	13,785
July 1991	-	4,772	2,641	6,167	13,580
August 1990	-	4,712	2,712	6,492	13,916
Maryland					
August 1991	-	93,521	37,996	48,567	180,084
July 1991	-	93,177	37,688	48,569	179,434
August 1990	-	89,399	39,722	52,560	181,681
New Jersey					
August 1991	-	228,505	45,849	123,334	397,688
July 1991	-	264,734	51,393	129,992	446,119
August 1990	-	260,629	47,532	145,763	453,924
New York					
August 1991	187	278,845	53,052	130,312	462,396
July 1991	W	261,674	W	121,878	432,947
August 1990	1,032	280,161	51,854	152,147	485,194
Pennsylvania					
August 1991	136	282,869	66,288	98,479	447,772
July 1991	W	263,199	W	93,559	419,923
August 1990	1,548	267,762	68,435	100,559	438,304

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 1991	W	1,030,398	W	359,373	1,661,616
July 1991	371	1,017,438	273,396	359,884	1,651,089
August 1990	942	1,007,024	287,801	383,339	1,679,106
Florida					
August 1991	W	302,736	W	139,764	537,856
July 1991	-	298,700	94,122	139,013	531,835
August 1990	17	298,342	92,640	147,636	538,635
Georgia					
August 1991	W	205,162	W	64,550	317,366
July 1991	W	201,528	W	64,391	314,316
August 1990	W	196,718	W	68,322	317,541
North Carolina					
August 1991	-	206,714	45,353	55,434	307,501
July 1991	-	202,457	47,210	56,099	305,766
August 1990	W	202,410	W	60,165	317,093
South Carolina					
August 1991	-	109,911	22,617	26,245	158,773
July 1991	-	110,015	23,521	26,624	160,160
August 1990	W	106,310	W	28,314	161,087
Virginia					
August 1991	-	168,931	52,844	63,997	285,772
July 1991	-	168,157	52,603	64,583	285,343
August 1990	358	167,191	52,790	69,081	289,420
West Virginia					
August 1991	W	36,944	W	9,383	54,348
July 1991	W	36,581	W	9,174	53,669
August 1990	W	36,053	W	9,821	55,330
PAD District II Total					
August 1991	22,484	2,288,878	298,411	404,583	3,014,356
July 1991	26,498	2,278,726	302,484	425,194	3,032,902
August 1990	101,631	2,341,376	272,037	403,934	3,118,978
Illinois					
August 1991	-	288,734	45,490	64,824	399,048
July 1991	W	281,436	W	69,261	397,550
August 1990	1,576	302,755	40,379	71,592	416,302
Indiana					
August 1991	W	160,886	27,049	W	219,939
July 1991	W	157,662	W	30,103	218,567
August 1990	4,382	182,289	27,061	30,075	243,807
Iowa					
August 1991	389	108,996	1,361	10,077	120,823
July 1991	577	113,795	1,444	10,259	126,075
August 1990	9,701	114,179	954	10,374	135,208
Kansas					
August 1991	3,424	98,375	4,254	11,704	117,757
July 1991	4,063	95,788	4,482	12,251	116,584
August 1990	12,470	109,562	3,792	10,993	136,817
Kentucky					
August 1991	298	105,022	26,518	26,748	158,586
July 1991	328	106,337	26,729	27,114	160,508
August 1990	516	107,685	27,498	27,214	162,913
Michigan					
August 1991	2,877	291,773	35,998	55,594	386,242
July 1991	3,454	290,704	36,322	56,420	386,900
August 1990	5,090	298,707	33,803	53,136	390,736
Minnesota					
August 1991	2,446	143,110	11,850	16,221	173,627
July 1991	2,823	153,832	12,188	17,030	185,873
August 1990	13,081	152,207	6,472	17,092	188,852
Missouri					
August 1991	574	168,068	25,191	31,334	225,167
July 1991	696	164,049	23,858	34,287	222,890
August 1990	14,009	172,147	16,625	32,863	235,644

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 1991	W	58,769	W	3,906	65,624
July 1991	1,809	62,823	W	W	70,077
August 1990	8,349	55,668	W	W	68,891
North Dakota					
August 1991	2,904	27,912	W	W	33,390
July 1991	3,041	28,687	W	W	34,437
August 1990	5,134	25,453	W	W	32,934
Ohio					
August 1991	419	308,199	53,735	56,046	418,399
July 1991	W	309,540	W	59,733	427,213
August 1990	670	322,018	54,951	52,813	430,452
Oklahoma					
August 1991	2,472	167,688	6,572	23,028	199,760
July 1991	2,938	145,341	6,574	28,083	182,936
August 1990	15,131	145,815	2,927	20,352	184,225
South Dakota					
August 1991	1,374	32,445	322	2,612	36,753
July 1991	1,754	37,413	383	2,628	42,178
August 1990	W	34,510	W	2,788	42,373
Tennessee					
August 1991	W	171,265	W	45,760	259,412
July 1991	W	172,804	W	46,771	262,436
August 1990	W	165,536	45,959	W	257,161
Wisconsin					
August 1991	1,290	157,636	15,150	25,753	199,829
July 1991	1,499	158,515	13,016	25,648	198,678
August 1990	6,737	152,845	9,066	24,015	192,663
PAD District III Total					
August 1991	18,053	1,212,982	198,671	256,586	1,686,292
July 1991	18,429	1,217,427	198,962	264,570	1,699,388
August 1990	35,733	1,341,970	201,481	305,880	1,885,064
Alabama					
August 1991	-	114,004	22,523	29,818	166,345
July 1991	-	118,602	24,302	32,184	175,088
August 1990	-	113,989	24,794	32,777	171,560
Arkansas					
August 1991	9	87,120	13,352	17,173	117,654
July 1991	W	87,568	W	18,118	119,186
August 1990	3,040	93,818	14,098	18,272	129,228
Louisiana					
August 1991	-	134,415	29,115	38,548	202,078
July 1991	W	139,700	W	39,473	207,852
August 1990	283	145,370	28,871	52,500	227,024
Mississippi					
August 1991	-	85,998	12,547	17,977	116,522
July 1991	-	83,783	12,732	18,969	115,484
August 1990	W	76,697	W	20,479	112,355
New Mexico					
August 1991	11,151	50,457	1,129	7,255	69,992
July 1991	11,528	49,606	1,118	6,927	69,179
August 1990	W	47,660	W	6,679	69,402
Texas					
August 1991	6,893	740,988	120,005	145,815	1,013,701
July 1991	6,869	738,168	118,663	148,899	1,012,599
August 1990	17,690	864,436	118,196	175,173	1,175,495
PAD District IV Total					
August 1991	57,851	231,559	15,948	50,024	355,382
July 1991	59,914	231,503	16,149	51,000	358,566
August 1990	82,621	225,785	9,736	45,941	364,083
Colorado					
August 1991	14,826	96,310	12,156	23,280	146,572
July 1991	15,370	96,530	12,241	23,495	147,636
August 1990	24,378	94,591	8,280	20,785	148,034

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 1991	14,071	32,515	-	4,524	51,110
July 1991	13,872	32,645	-	4,618	51,135
August 1990	17,726	30,807	-	4,124	52,657
Montana					
August 1991	12,443	32,680	-	6,583	51,706
July 1991	13,513	33,439	-	6,871	53,823
August 1990	15,205	30,883	-	5,856	51,944
Utah					
August 1991	11,203	49,326	W	W	75,709
July 1991	11,740	47,912	W	W	75,186
August 1990	18,116	50,866	W	W	81,646
Wyoming					
August 1991	5,308	20,728	W	W	30,286
July 1991	5,419	20,977	W	W	30,786
August 1990	7,196	18,638	W	W	29,802
PAD District V Total					
August 1991	263,930	1,265,186	26,767	392,698	1,948,581
July 1991	263,690	1,289,591	26,947	385,318	1,965,544
August 1990	308,985	1,229,757	35,580	382,368	1,956,690
Alaska					
August 1991	3,666	18,796	W	W	24,149
July 1991	4,101	20,554	W	W	26,567
August 1990	4,512	16,187	W	W	24,419
Arizona					
August 1991	27,478	102,176	W	W	153,497
July 1991	27,908	97,277	W	W	148,154
August 1990	31,163	100,260	W	W	154,755
California					
August 1991	128,499	842,179	23,663	290,903	1,285,244
July 1991	128,911	879,379	23,722	287,450	1,319,462
August 1990	156,200	826,086	30,443	283,518	1,296,247
Hawaii					
August 1991	-	18,113	2,850	9,444	30,407
July 1991	-	19,570	2,942	10,391	32,903
August 1990	-	17,950	2,787	11,471	32,208
Nevada					
August 1991	13,329	50,260	W	W	75,580
July 1991	12,959	46,359	W	W	70,648
August 1990	14,546	45,160	W	W	70,518
Oregon					
August 1991	35,606	88,652	W	W	141,298
July 1991	35,558	85,342	W	W	136,737
August 1990	39,375	87,241	W	W	142,732
Washington					
August 1991	55,352	145,010	W	W	238,406
July 1991	54,253	141,110	W	W	231,073
August 1990	63,189	136,873	W	W	235,811

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		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
U.S. Total							
August 1991	34,363	1,608,965	222,173	775,427	568,360	1,038,313	1,606,673
July 1991	35,693	1,565,909	195,819	770,856	583,373	947,127	1,530,500
August 1990	38,653	1,626,299	207,883	889,655	671,403	965,858	1,637,261
PAD District I Total							
August 1991	7,822	395,534	W	149,569	404,769	425,162	829,931
July 1991	7,490	385,837	W	133,237	450,801	409,283	860,084
August 1990	8,518	466,658	9,105	142,110	509,235	339,678	848,913
Subdistrict IA Total							
August 1991	1,196	42,167	-	12,621	68,411	103,361	171,772
July 1991	1,146	40,922	-	11,610	77,523	55,324	132,847
August 1990	1,153	50,506	W	11,644	74,717	56,524	131,241
Connecticut							
August 1991	147	7,247	-	3,549	22,320	-	22,320
July 1991	121	7,222	-	2,875	30,204	-	30,204
August 1990	143	8,680	W	2,475	W	W	53,872
Maine							
August 1991	W	4,871	-	1,736	17,912	20,068	37,980
July 1991	W	4,910	-	1,779	13,156	13,412	26,568
August 1990	W	6,782	-	1,305	1,800	15,965	17,765
Massachusetts							
August 1991	W	27,192	-	3,338	23,118	71,273	94,391
July 1991	W	25,756	-	3,477	24,171	35,623	59,794
August 1990	356	31,352	W	3,883	24,263	29,447	53,710
New Hampshire							
August 1991	78	862	-	2,067	W	W	12,649
July 1991	128	945	-	1,723	W	W	14,848
August 1990	97	843	-	1,879	488	2,996	3,464
Rhode Island							
August 1991	W	1,723	-	713	W	-	W
July 1991	W	1,802	-	706	W	-	W
August 1990	W	2,459	-	923	W	W	1,868
Vermont							
August 1991	82	272	-	1,218	W	W	W
July 1991	56	287	-	1,050	W	W	W
August 1990	52	390	-	1,179	W	W	562
Subdistrict IB Total							
August 1991	1,727	205,764	W	43,594	266,956	163,770	430,726
July 1991	1,626	199,157	W	42,945	264,605	176,344	440,949
August 1990	1,890	220,138	W	38,909	291,923	185,474	477,397
Delaware							
August 1991	W	W	W	W	W	W	16,120
July 1991	W	268	W	W	6,526	10,186	16,712
August 1990	W	W	W	W	W	7,874	W
District of Columbia							
August 1991	-	W	-	-	112	-	112
July 1991	-	-	-	-	121	-	121
August 1990	-	-	-	-	W	-	W
Maryland							
August 1991	W	7,587	-	W	W	W	17,040
July 1991	W	8,245	-	W	29,996	3,414	33,410
August 1990	W	W	-	W	37,357	7,920	45,277
New Jersey							
August 1991	458	149,045	-	4,232	70,106	47,743	117,849
July 1991	376	144,819	-	4,242	63,711	42,509	106,220
August 1990	597	160,674	W	6,074	94,704	32,054	126,758
New York							
August 1991	344	15,722	W	10,693	138,501	81,353	219,854
July 1991	306	12,357	W	11,821	116,520	67,589	184,109
August 1990	328	13,726	W	10,916	109,585	89,985	199,570
Pennsylvania							
August 1991	488	33,026	W	22,117	41,244	18,507	59,751
July 1991	475	33,468	W	21,079	47,731	52,646	100,377
August 1990	582	37,859	-	15,658	44,132	47,641	91,773

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 1991	4,899	147,603	-	93,354	69,402	158,031	227,433
July 1991	4,718	145,758	-	78,682	108,673	177,615	286,288
August 1990	5,475	196,014	W	91,557	142,595	97,680	240,275
Florida							
August 1991	2,284	60,471	-	16,700	67,707	87,022	154,729
July 1991	2,359	58,802	-	17,578	107,160	104,287	211,447
August 1990	2,971	86,251	-	20,203	124,413	53,945	178,358
Georgia							
August 1991	933	41,052	-	16,094	-	6,874	6,874
July 1991	995	41,936	-	16,004	-	4,700	4,700
August 1990	920	56,552	-	17,517	-	3,587	3,587
North Carolina							
August 1991	762	8,523	-	41,043	W	W	19,549
July 1991	603	8,097	-	27,260	W	W	15,855
August 1990	914	8,384	-	34,620	1,537	14,048	15,585
South Carolina							
August 1991	412	2,720	-	12,003	W	W	W
July 1991	327	2,842	-	11,436	W	W	W
August 1990	307	3,906	-	11,955	W	W	6,470
Virginia							
August 1991	383	34,330	-	6,519	511	36,194	36,705
July 1991	318	33,714	-	5,200	436	47,117	47,553
August 1990	W	40,334	W	6,480	W	18,857	W
West Virginia							
August 1991	125	507	-	995	W	W	W
July 1991	116	567	-	1,204	W	W	W
August 1990	W	587	-	782	W	W	W
PAD District II Total							
August 1991	9,148	266,840	44,423	261,531	W	W	34,493
July 1991	10,086	255,613	43,407	243,588	W	W	26,758
August 1990	10,440	235,562	27,215	304,244	8,250	35,998	44,248
Illinois							
August 1991	945	21,406	-	31,727	W	W	1,597
July 1991	651	22,998	-	34,381	-	900	900
August 1990	W	12,754	W	36,047	W	W	8,053
Indiana							
August 1991	1,464	55,512	W	15,632	198	2,387	2,585
July 1991	1,649	60,052	W	12,364	W	W	3,910
August 1990	1,519	56,870	W	16,131	W	W	6,058
Iowa							
August 1991	275	2,575	W	15,743	-	W	W
July 1991	386	2,438	W	12,583	-	W	W
August 1990	452	2,547	W	20,013	-	W	W
Kansas							
August 1991	439	6,667	W	54,855	W	W	W
July 1991	614	7,736	W	58,538	268	-	268
August 1990	684	10,234	W	70,063	W	W	2,773
Kentucky							
August 1991	196	21,700	-	14,164	W	W	776
July 1991	168	20,904	-	13,446	W	W	W
August 1990	173	20,412	-	15,250	W	W	1,025
Michigan							
August 1991	955	27,318	W	18,047	W	W	3,515
July 1991	1,202	25,189	W	13,841	W	W	1,407
August 1990	818	29,925	-	14,908	W	W	1,502
Minnesota							
August 1991	1,124	17,439	W	18,686	W	W	11,450
July 1991	1,047	14,360	W	16,495	-	8,016	8,016
August 1990	W	16,742	W	20,999	-	6,633	6,633
Missouri							
August 1991	454	25,454	3,165	21,588	W	W	956
July 1991	505	24,822	W	13,537	W	W	941
August 1990	537	22,474	W	27,265	W	W	2,082

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
Nebraska							
August 1991	395	2,189	-	12,523	-	W	W
July 1991	586	2,456	-	18,916	-	-	-
August 1990	344	2,605	W	11,404	W	W	W
North Dakota							
August 1991	W	767	W	7,851	-	-	-
July 1991	W	681	W	7,713	-	-	-
August 1990	124	955	W	11,702	-	W	W
Ohio							
August 1991	1,090	39,614	W	13,151	W	W	3,629
July 1991	951	33,465	W	10,208	W	W	2,280
August 1990	1,114	33,495	W	15,137	W	W	2,166
Oklahoma							
August 1991	528	30,127	12,394	14,024	W	W	3,117
July 1991	488	26,366	13,691	12,810	W	W	1,627
August 1990	713	13,649	14,245	17,799	W	W	4,654
South Dakota							
August 1991	W	573	4,954	3,411	-	W	W
July 1991	W	516	5,575	2,819	-	W	W
August 1990	542	789	W	5,135	-	W	W
Tennessee							
August 1991	509	12,109	W	7,535	W	W	816
July 1991	525	10,129	W	5,521	W	W	3,215
August 1990	762	7,852	-	6,577	W	W	3,138
Wisconsin							
August 1991	301	3,390	-	12,594	-	3,394	3,394
July 1991	874	3,501	-	10,416	-	3,261	3,261
August 1990	587	4,259	W	15,214	W	W	4,978
PAD District III Total							
August 1991	5,245	429,319	92,314	281,697	77,798	255,611	333,409
July 1991	5,461	401,963	84,344	313,325	69,065	277,857	346,922
August 1990	5,892	371,961	103,810	356,972	87,883	258,256	346,139
Alabama							
August 1991	395	3,880	W	10,747	-	W	W
July 1991	437	3,457	W	7,764	-	W	W
August 1990	412	4,042	W	13,339	W	W	10,098
Arkansas							
August 1991	W	1,211	W	8,154	W	-	W
July 1991	W	1,912	W	6,664	W	-	W
August 1990	510	1,976	W	10,323	-	W	W
Louisiana							
August 1991	441	92,353	26,189	28,245	34,812	122,600	157,412
July 1991	383	96,729	18,793	26,992	22,961	128,433	151,394
August 1990	490	69,135	24,634	36,476	26,664	130,044	156,708
Mississippi							
August 1991	568	33,023	5,975	16,644	-	W	W
July 1991	679	31,720	5,040	31,148	-	W	W
August 1990	767	15,542	1,590	38,905	-	W	W
New Mexico							
August 1991	W	4,195	4,569	12,693	W	-	W
July 1991	W	3,893	4,794	11,416	W	-	W
August 1990	346	4,378	1,787	10,163	W	-	W
Texas							
August 1991	2,981	294,657	54,241	205,214	42,877	125,809	168,686
July 1991	2,727	264,252	54,062	229,341	45,898	138,547	184,445
August 1990	3,367	276,888	73,298	247,766	60,765	117,804	178,569
PAD District IV Total							
August 1991	2,199	44,191	W	22,658	W	W	3,160
July 1991	2,259	44,609	W	19,888	W	W	2,762
August 1990	2,406	50,055	9,391	25,431	1,468	1,097	2,565
Colorado							
August 1991	800	22,021	W	5,976	W	W	W
July 1991	732	24,293	W	4,117	W	-	W
August 1990	860	26,992	W	7,080	-	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		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
Idaho							
August 1991	184	1,392	-	1,543	-	W	W
July 1991	233	1,408	-	1,664	-	W	W
August 1990	W	2,206	-	1,395	-	W	W
Montana							
August 1991	W	2,434	W	5,312	-	W	W
July 1991	W	2,282	W	4,158	W	-	W
August 1990	W	W	W	4,616	-	W	W
Utah							
August 1991	585	17,935	4,490	3,522	W	W	890
July 1991	751	16,284	5,544	3,494	W	W	1,047
August 1990	682	18,121	6,200	3,385	W	W	899
Wyoming							
August 1991	W	419	W	6,305	W	W	W
July 1991	W	342	W	6,455	W	W	W
August 1990	210	W	W	8,955	W	W	1,523
PAD District V Total							
August 1991	9,949	473,081	68,438	59,972	72,425	333,255	405,880
July 1991	10,397	477,887	51,735	60,618	57,369	236,605	293,974
August 1990	11,397	502,063	56,362	60,898	64,567	330,829	395,396
Alaska							
August 1991	W	49,427	W	W	-	W	W
July 1991	W	46,559	W	W	-	W	W
August 1990	2,940	61,884	9,632	W	-	W	W
Arizona							
August 1991	663	20,004	W	5,337	W	-	W
July 1991	691	21,244	W	4,763	W	-	W
August 1990	754	21,107	W	4,189	W	-	W
California							
August 1991	4,324	273,729	48,305	37,836	28,690	184,382	213,072
July 1991	4,289	278,681	38,574	37,662	25,550	114,890	140,440
August 1990	4,648	290,093	42,385	39,730	30,471	178,239	208,710
Hawaii							
August 1991	W	36,517	W	W	W	W	55,345
July 1991	W	34,375	W	W	W	W	44,174
August 1990	W	36,457	W	W	32,524	11,699	44,223
Nevada							
August 1991	368	13,331	W	1,877	W	W	W
July 1991	351	13,163	W	1,583	W	-	W
August 1990	W	12,983	-	1,297	W	-	W
Oregon							
August 1991	W	13,172	-	3,404	W	W	17,586
July 1991	711	11,786	-	3,163	W	W	18,056
August 1990	851	12,365	-	3,683	W	W	17,130
Washington							
August 1991	1,322	66,901	-	9,274	-	81,933	81,933
July 1991	1,688	72,079	-	10,863	-	69,580	69,580
August 1990	1,661	67,174	-	9,876	-	81,574	81,574

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 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 1991	70,660	42,339	1,455,621	2,380,660	3,836,281	30,145	3,979,425
July 1991	44,385	35,475	1,365,649	2,335,082	3,700,731	34,099	3,814,690
August 1990	82,155	47,753	1,663,425	2,581,330	4,244,755	40,926	4,415,590
PAD District I Total							
August 1991	30,625	7,951	710,405	482,816	1,193,221	14,868	1,246,665
July 1991	19,314	7,487	641,678	464,874	1,106,552	18,235	1,151,588
August 1990	49,781	8,669	869,167	542,751	1,411,918	25,951	1,496,320
Subdistrict IA Total							
August 1991	5,129	332	130,456	40,743	171,199	3,355	180,015
July 1991	2,704	193	120,852	39,435	160,287	3,020	166,204
August 1990	5,607	759	197,885	43,043	240,928	4,863	252,157
Connecticut							
August 1991	492	W	25,325	9,648	34,973	W	36,285
July 1991	512	W	36,107	9,434	45,541	W	46,713
August 1990	1,224	W	48,929	9,961	58,890	W	61,499
Maine							
August 1991	929	W	21,595	6,235	27,830	W	28,972
July 1991	892	W	14,028	5,858	19,886	W	20,949
August 1990	1,441	186	27,234	5,882	33,116	210	34,953
Massachusetts							
August 1991	3,133	14	54,345	13,187	67,532	1,279	71,958
July 1991	925	W	44,651	12,533	57,184	W	59,123
August 1990	2,220	135	81,952	15,739	97,691	2,198	102,244
New Hampshire							
August 1991	224	W	11,426	6,060	17,486	W	18,204
July 1991	168	61	11,366	6,414	17,780	552	18,561
August 1990	326	116	14,418	5,462	19,880	430	20,752
Rhode Island							
August 1991	122	W	14,247	3,354	17,601	W	18,257
July 1991	140	W	11,612	3,095	14,707	W	15,361
August 1990	44	267	20,539	3,599	24,138	468	24,917
Vermont							
August 1991	229	W	3,518	2,259	5,777	W	6,339
July 1991	67	W	3,088	2,101	5,189	W	5,497
August 1990	352	W	4,813	2,400	7,213	W	7,792
Subdistrict IB Total							
August 1991	17,232	5,542	411,625	142,768	554,393	10,878	588,045
July 1991	12,198	5,226	367,773	129,928	497,701	14,601	529,726
August 1990	30,095	5,615	476,409	157,409	633,818	18,721	688,249
Delaware							
August 1991	3,288	W	13,715	7,944	21,659	W	24,958
July 1991	W	W	5,036	8,284	13,320	W	14,458
August 1990	W	W	16,995	9,876	26,871	W	27,216
District of Columbia							
August 1991	W	W	1,425	681	2,106	W	4,554
July 1991	W	W	2,695	802	3,497	W	9,303
August 1990	W	-	2,523	1,098	3,621	W	12,417
Maryland							
August 1991	556	W	18,659	19,880	38,539	W	39,665
July 1991	387	W	18,726	19,684	38,410	W	39,437
August 1990	1,377	53	28,773	26,152	54,925	359	56,714
New Jersey							
August 1991	6,510	W	169,631	27,241	196,872	W	207,493
July 1991	4,780	W	127,248	21,577	148,825	W	157,500
August 1990	13,735	2,308	179,930	28,375	208,305	2,305	226,653
New York							
August 1991	3,138	867	80,972	23,580	104,552	6,625	115,182
July 1991	2,671	700	89,023	23,043	112,066	7,109	122,546
August 1990	5,744	1,260	105,952	24,046	129,998	6,662	143,664
Pennsylvania							
August 1991	W	1,640	127,223	63,442	190,665	W	196,193
July 1991	3,262	W	125,045	56,538	181,583	W	186,482
August 1990	8,954	W	142,236	67,862	210,098	W	221,585

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		
Subdistrict IC Total							
August 1991	8,264	2,077	168,324	299,305	467,629	635	478,605
July 1991	4,412	2,068	153,053	295,511	448,564	614	455,658
August 1990	14,079	2,295	194,873	342,299	537,172	2,367	555,914
Florida							
August 1991	194	W	16,966	107,500	124,466	W	125,125
July 1991	153	W	16,216	100,368	116,584	W	117,145
August 1990	351	W	21,325	116,458	137,783	W	139,349
Georgia							
August 1991	W	34	26,565	64,008	90,573	W	91,342
July 1991	315	W	25,212	64,986	90,198	W	90,784
August 1990	737	62	25,980	73,192	99,172	432	100,403
North Carolina							
August 1991	3,191	556	45,114	43,260	88,374	122	92,243
July 1991	W	640	38,449	45,414	83,863	W	86,018
August 1990	5,860	508	55,086	51,847	106,933	210	113,511
South Carolina							
August 1991	1,283	W	18,814	21,946	40,760	W	42,139
July 1991	580	W	16,850	23,101	39,951	W	40,574
August 1990	2,605	W	23,626	25,998	49,624	W	52,283
Virginia							
August 1991	2,580	1,086	47,487	44,785	92,272	157	96,095
July 1991	1,593	1,084	44,187	45,999	90,186	107	92,970
August 1990	3,913	1,284	56,709	56,216	112,925	806	118,928
West Virginia							
August 1991	W	W	13,378	17,806	31,184	-	31,661
July 1991	W	W	12,139	15,643	27,782	-	28,167
August 1990	613	91	12,147	18,588	30,735	-	31,440
PAD District II Total							
August 1991	9,319	W	443,349	623,919	1,067,268	W	1,104,496
July 1991	3,623	W	465,600	626,068	1,091,668	W	1,119,082
August 1990	7,159	W	512,164	686,812	1,198,976	W	1,240,387
Illinois							
August 1991	1,582	W	46,947	80,321	127,268	W	132,461
July 1991	139	W	46,210	78,106	124,316	W	127,987
August 1990	450	W	54,136	70,893	125,029	W	128,861
Indiana							
August 1991	1,865	W	35,858	57,155	93,013	W	102,648
July 1991	211	W	38,722	56,428	95,150	W	101,321
August 1990	567	W	42,523	69,331	111,854	W	121,341
Iowa							
August 1991	107	1,044	28,849	27,229	56,078	-	57,229
July 1991	161	1,086	28,744	29,514	58,258	-	59,505
August 1990	163	1,334	30,884	32,310	63,194	-	64,691
Kansas							
August 1991	50	985	28,470	37,067	65,537	-	66,572
July 1991	W	W	29,446	37,745	67,191	-	68,171
August 1990	68	859	34,058	42,289	76,347	-	77,274
Kentucky							
August 1991	1,391	470	19,963	46,759	66,722	-	68,583
July 1991	267	W	20,533	42,549	63,082	W	63,761
August 1990	580	W	21,430	52,021	73,451	W	74,973
Michigan							
August 1991	1,002	3,810	46,911	28,409	75,320	-	80,132
July 1991	721	3,812	43,253	28,071	71,324	-	75,857
August 1990	757	W	50,803	34,288	85,091	W	90,639
Minnesota							
August 1991	126	W	32,545	30,403	62,948	W	66,164
July 1991	78	W	33,290	29,344	62,634	W	64,742
August 1990	251	W	42,046	35,986	78,032	W	81,422
Missouri							
August 1991	83	614	18,142	47,950	66,092	-	66,789
July 1991	47	884	22,427	46,446	68,873	-	69,804
August 1990	62	851	23,477	49,430	72,907	-	73,820

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		
Nebraska							
August 1991	W	W	18,589	33,088	51,677	-	52,483
July 1991	W	W	25,516	41,543	67,059	-	67,490
August 1990	W	W	17,880	34,578	52,458	-	53,153
North Dakota							
August 1991	W	W	15,470	9,850	25,320	-	25,573
July 1991	W	W	14,565	10,279	24,844	-	25,136
August 1990	W	W	15,496	11,514	27,010	-	27,833
Ohio							
August 1991	1,698	W	54,217	70,780	124,997	W	127,299
July 1991	1,168	W	52,186	68,934	121,120	W	122,727
August 1990	1,987	W	59,379	82,450	141,829	W	144,884
Oklahoma							
August 1991	W	W	27,086	47,497	74,583	-	76,646
July 1991	43	1,977	41,263	46,999	88,262	-	90,282
August 1990	W	W	27,586	52,955	80,541	-	84,710
South Dakota							
August 1991	W	W	9,797	9,509	19,306	-	20,140
July 1991	-	262	11,059	12,540	23,599	-	23,861
August 1990	70	822	11,093	10,518	21,611	-	22,503
Tennessee							
August 1991	1,301	W	23,286	76,386	99,672	W	101,304
July 1991	719	W	20,027	73,572	93,599	W	94,681
August 1990	1,605	W	32,793	81,587	114,380	W	116,592
Wisconsin							
August 1991	25	W	37,219	21,516	58,735	W	60,473
July 1991	44	W	38,359	23,998	62,357	W	63,757
August 1990	563	W	48,580	26,662	75,242	W	77,691
PAD District III Total							
August 1991	28,739	W	239,961	624,874	864,835	W	901,803
July 1991	19,573	W	199,004	584,595	783,599	W	812,366
August 1990	24,117	1,288	218,054	655,671	873,725	5,205	904,335
Alabama							
August 1991	82	187	13,186	46,174	59,360	-	59,629
July 1991	71	193	W	W	58,519	-	58,783
August 1990	159	202	12,382	55,011	67,393	268	68,022
Arkansas							
August 1991	W	W	W	W	58,424	-	58,586
July 1991	W	W	5,515	58,847	64,362	-	64,642
August 1990	174	W	W	W	62,412	W	63,023
Louisiana							
August 1991	W	W	27,591	131,864	159,455	-	162,771
July 1991	555	298	26,552	112,896	139,448	-	140,301
August 1990	4,444	270	21,625	124,369	145,994	-	150,708
Mississippi							
August 1991	W	W	25,645	51,518	77,163	W	94,204
July 1991	W	W	16,788	39,185	55,973	W	73,407
August 1990	W	W	24,556	58,127	82,683	2,923	92,872
New Mexico							
August 1991	W	W	W	W	33,068	-	33,192
July 1991	45	117	W	W	32,269	-	32,431
August 1990	75	124	W	W	33,990	-	34,189
Texas							
August 1991	W	W	167,303	310,062	477,365	-	493,421
July 1991	W	W	135,602	297,426	433,028	-	442,802
August 1990	W	629	151,925	329,328	481,253	W	495,521
PAD District IV Total							
August 1991	94	2,942	31,303	121,231	152,534	-	155,470
July 1991	48	2,346	30,461	124,071	154,532	-	156,926
August 1990	127	3,539	33,597	129,898	163,495	-	167,161
Colorado							
August 1991	W	W	12,861	26,593	39,454	-	41,048
July 1991	W	W	12,354	28,196	40,550	-	41,536
August 1990	98	1,190	13,117	28,396	41,513	-	42,801

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 1991	-	W	W	17,874	W	-	22,502
July 1991	-	605	W	W	21,900	-	22,505
August 1990	W	W	5,154	19,489	24,643	-	25,495
Montana							
August 1991	-	W	W	18,665	W	-	24,506
July 1991	-	222	W	W	25,456	-	25,678
August 1990	W	W	W	W	24,799	-	25,457
Utah							
August 1991	W	W	4,896	27,336	32,232	-	32,571
July 1991	W	W	5,323	28,647	33,970	-	34,329
August 1990	W	W	W	W	35,978	-	36,352
Wyoming							
August 1991	-	295	3,785	30,763	34,548	-	34,843
July 1991	W	W	4,026	28,630	32,656	-	32,878
August 1990	-	494	4,428	32,134	36,562	-	37,056
PAD District V Total							
August 1991	1,883	8,760	30,603	527,820	558,423	1,925	570,991
July 1991	1,827	5,501	28,906	535,474	564,380	3,020	574,728
August 1990	971	W	30,443	566,198	596,641	W	607,387
Alaska							
August 1991	W	6,326	11,691	16,317	28,008	W	35,641
July 1991	W	3,060	12,132	16,262	28,394	W	34,500
August 1990	W	4,140	7,814	16,931	24,745	W	30,386
Arizona							
August 1991	W	W	W	W	35,583	-	35,781
July 1991	W	W	W	W	36,501	-	36,586
August 1990	W	W	W	W	35,102	-	35,349
California							
August 1991	W	644	1,263	305,947	307,210	W	309,288
July 1991	W	534	W	W	297,291	W	298,590
August 1990	W	894	2,806	338,775	341,581	W	342,784
Hawaii							
August 1991	-	W	W	16,564	W	-	17,179
July 1991	-	529	W	W	16,629	-	17,158
August 1990	-	W	W	15,405	W	-	16,105
Nevada							
August 1991	-	166	W	W	21,011	-	21,177
July 1991	W	W	W	W	18,569	-	18,644
August 1990	-	343	W	W	24,081	-	24,424
Oregon							
August 1991	W	196	W	58,944	W	-	67,024
July 1991	W	W	7,114	60,471	67,585	-	68,638
August 1990	W	485	W	59,823	W	-	68,254
Washington							
August 1991	W	753	9,412	73,783	83,195	W	84,901
July 1991	W	648	9,070	90,341	99,411	W	100,612
August 1990	179	W	11,613	76,433	88,046	W	90,085

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 1991	0.1	0.3	0.1	0.1	0.2	0.4	0.2	0.2
July 1991 .....	.1	.3	.1	.1	.2	.4	.2	.2
PAD District I Average								
August 1991 .....	.3	.5	.2	.1	.4	.6	.4	.4
July 1991 .....	.3	.5	.2	.1	.4	.5	.4	.3
Subdistrict IA Average								
August 1991 .....	.4	.5	.4	.2	.4	.6	.4	.6
July 1991 .....	.3	.5	.3	.2	.3	.6	.3	.7
Connecticut								
August 1991 .....	.5	1.5	.5	.2	.5	1.7	.5	.7
July 1991 .....	.5	1.2	.5	.1	.5	1.3	.5	.5
Maine								
August 1991 .....	.5	1.1	.4	.2	.5	1.2	.4	.4
July 1991 .....	.5	1.0	.4	.2	.5	1.0	.5	.5
Massachusetts								
August 1991 .....	.8	.6	.8	.5	1.0	.8	1.0	1.4
July 1991 .....	.5	.7	.7	.5	.6	.9	.8	1.5
New Hampshire								
August 1991 .....	.3	1.2	.3	.2	.3	1.1	.4	.5
July 1991 .....	.3	1.5	.3	.3	.3	1.7	.3	.7
Rhode Island								
August 1991	2.2	.7	2.0	.2	3.0	.8	2.7	.7
July 1991	2.1	.5	2.0	.1	2.8	.5	2.6	.8
Vermont								
August 1991 .....	.4	.6	.4	.1	.4	.6	.4	.1
July 1991 .....	.5	.5	.4	.1	.5	.5	.4	.1
Subdistrict IB Average								
August 1991 .....	.6	.8	.5	.2	1.1	.9	1.0	.7
July 1991 .....	.5	.8	.5	.2	.9	.9	.8	.6
Delaware								
August 1991 .....	.5	.7	.4	.3	.5	.7	.5	.7
July 1991 .....	.3	.3	.3	.2	.3	.3	.3	.5
District of Columbia								
August 1991	NA	.3	.2	.1	NA	.2	.2	.2
July 1991	NA	.2	.1	.0	NA	.2	.1	.0
Maryland								
August 1991	1.2	.7	1.1	.2	1.2	.8	1.1	1.1
July 1991	1.0	.5	.9	.1	1.0	.4	.9	.7
New Jersey								
August 1991 .....	.1	.9	.1	.6	.3	.6	.4	.9
July 1991 .....	.1	.8	.2	.3	.3	1.1	.5	.5
New York								
August 1991	1.4	1.8	1.2	.4	2.8	1.9	2.2	1.3
July 1991	1.1	1.7	1.0	.4	2.1	1.8	1.6	1.4
Pennsylvania								
August 1991 .....	.7	1.2	.7	.3	1.4	1.4	1.3	.7
July 1991 .....	.8	1.4	.8	.3	1.6	1.6	1.3	.8
Subdistrict IC Average								
August 1991 .....	.4	.6	.3	.1	.5	.8	.5	.5
July 1991 .....	.4	.6	.4	.1	.6	.7	.6	.5
Florida								
August 1991 .....	.3	1.3	.3	.1	.7	1.7	.7	1.1
July 1991 .....	.4	1.1	.3	.2	.7	1.5	.7	1.0
Georgia								
August 1991	1.4	.8	1.4	.3	1.8	1.1	1.7	.9
July 1991	1.8	.7	1.8	.2	2.2	1.2	2.1	.8
North Carolina								
August 1991 .....	.4	1.0	.4	.2	.5	1.2	.4	.7
July 1991 .....	.4	1.0	.3	.3	.5	1.1	.4	.8
South Carolina								
August 1991	1.1	2.8	1.0	.4	1.7	3.4	1.6	1.4
July 1991	1.0	2.4	1.0	.4	1.6	2.9	1.5	1.2
Virginia								
August 1991 .....	.3	1.8	.4	.3	.5	1.9	.5	2.3
July 1991 .....	.4	1.6	.4	.3	.5	1.8	.5	1.7

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 1991	0.6	1.5	0.5	0.6	0.5	1.8	0.5	1.2
July 1991 .....	.7	1.2	.6	.5	.7	1.3	.6	1.0
PAD District II Average								
August 1991 .....	.1	.4	.1	.1	.3	.5	.2	.3
July 1991 .....	.2	.4	.1	.1	.3	.5	.2	.3
Illinois								
August 1991 .....	.5	.9	.4	.2	.9	1.0	.7	.7
July 1991 .....	.6	1.3	.5	.2	1.1	1.4	.9	.5
Indiana								
August 1991 .....	.6	.9	.5	.2	.9	.9	.7	.7
July 1991 .....	.5	.6	.4	.2	.6	.6	.5	.6
Iowa								
August 1991 .....	.5	1.3	.5	.3	.6	1.5	.6	1.0
July 1991 .....	.4	1.1	.3	.2	.5	1.2	.4	.5
Kansas								
August 1991 .....	.5	1.2	.4	.2	.7	1.2	.6	1.6
July 1991 .....	.6	.8	.5	.1	.8	.5	.6	.5
Kentucky								
August 1991 .....	.3	3.5	.6	.4	.5	4.7	.8	.8
July 1991 .....	.4	2.1	.5	.5	.5	3.1	.7	1.0
Michigan								
August 1991 .....	.6	.9	.6	.2	1.4	.9	1.3	.8
July 1991 .....	.5	1.0	.5	.2	1.1	1.0	1.1	.8
Minnesota								
August 1991 .....	.4	1.2	.4	.4	.7	1.4	.6	1.3
July 1991 .....	.9	1.2	.8	.4	1.5	1.4	1.2	1.0
Missouri								
August 1991 .....	.3	2.0	.3	.3	.5	2.2	.5	.7
July 1991 .....	.4	1.8	.4	.3	.5	2.0	.5	.7
Nebraska								
August 1991 .....	.7	1.6	.8	.4	.9	1.7	1.0	1.1
July 1991 .....	.6	1.1	.6	.3	.7	1.3	.8	1.0
North Dakota								
August 1991	1.0	1.2	.9	.2	1.0	1.3	1.0	.7
July 1991 .....	.6	1.2	.8	.2	.7	1.3	.8	.6
Ohio								
August 1991 .....	.1	.7	.2	.1	.5	.9	.5	.7
July 1991 .....	.2	.6	.2	.1	.6	.7	.6	.9
Oklahoma								
August 1991 .....	.3	2.5	.3	.4	.4	2.7	.5	1.0
July 1991 .....	.5	2.4	.5	.4	.7	2.5	.7	1.0
South Dakota								
August 1991 .....	.8	1.0	.7	.2	.8	1.0	.7	1.4
July 1991 .....	.5	.8	.5	.1	.6	.9	.5	.4
Tennessee								
August 1991 .....	.4	2.8	.5	.6	.8	2.9	.9	1.1
July 1991 .....	.3	2.7	.5	.6	.6	2.8	.8	1.1
Wisconsin								
August 1991 .....	.4	.9	.4	.2	.5	.9	.5	.7
July 1991 .....	.4	.7	.4	.2	.6	.7	.5	.6
PAD District III Average								
August 1991 .....	.3	.8	.3	.2	.5	.9	.4	.7
July 1991 .....	.3	.8	.3	.3	.5	.9	.5	.8
Alabama								
August 1991 .....	.8	2.0	.9	.2	1.1	2.1	1.1	.8
July 1991 .....	.8	1.5	.8	.2	1.2	1.6	1.1	1.5
Arkansas								
August 1991 .....	.4	1.2	.4	.2	.5	1.4	.5	.8
July 1991 .....	.4	1.4	.5	.3	.6	1.5	.6	1.1
Louisiana								
August 1991 .....	.6	2.9	.6	.6	1.0	3.0	.9	1.8
July 1991 .....	.8	2.1	.8	.6	1.3	2.0	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 for Resale
	Sales to End Users			Sales for Resale	Sales to End Users			
	Through Company Outlets	Other End Users	Average		Through Company Outlets	Other End Users	Average	
Mississippi								
August 1991	1.6	1.3	1.4	0.3	1.8	1.4	1.6	1.0
July 1991	1.6	1.4	1.4	.3	1.8	1.5	1.6	.9
New Mexico								
August 1991	1.0	.8	.9	.2	1.3	.7	1.1	.9
July 1991 .....	.6	.7	.5	.2	.7	.9	.7	1.0
Texas								
August 1991 .....	.3	1.0	.3	.4	.6	1.1	.6	1.2
July 1991 .....	.3	1.0	.3	.4	.7	1.1	.7	1.3
PAD District IV Average								
August 1991 .....	.1	.9	.2	.1	.2	1.0	.3	.3
July 1991 .....	.2	.9	.2	.1	.3	.9	.3	.3
Colorado								
August 1991 .....	.2	2.3	.3	.1	.4	2.6	.7	.5
July 1991 .....	.3	1.8	.3	.2	.6	1.7	.6	.7
Idaho								
August 1991 .....	.3	.8	.4	.1	.4	.8	.4	.4
July 1991 .....	.4	.8	.5	.2	.4	.8	.5	.5
Montana								
August 1991 .....	.5	1.2	.7	.2	.8	1.4	.9	.9
July 1991 .....	.5	1.5	.6	.2	.7	1.7	.8	.3
Utah								
August 1991 .....	.3	.3	.3	.2	.5	.3	.4	.4
July 1991 .....	.5	.5	.4	.4	.6	.7	.5	.9
Wyoming								
August 1991 .....	.5	.7	.5	.4	.7	.8	.7	.9
July 1991 .....	.5	.6	.5	.3	.5	.7	.5	.8
PAD District V Average								
August 1991 .....	.2	.9	.3	.2	.7	1.2	.6	1.1
July 1991 .....	.3	.9	.3	.2	.9	1.1	.7	1.0
Alaska								
August 1991	2.5	2.1	1.9	.3	NA	3.5	5.4	1.7
July 1991	4.2	1.7	3.0	.2	NA	2.9	8.2	1.3
Arizona								
August 1991 .....	.4	1.4	.6	.1	.7	1.5	.8	1.2
July 1991 .....	.4	1.0	.4	.1	.5	1.1	.6	.9
California								
August 1991 .....	.3	1.7	.4	.2	1.4	2.4	1.3	2.1
July 1991 .....	.4	1.6	.4	.2	1.8	2.2	1.5	1.7
Hawaii								
August 1991 .....	.0	1.3	.3	.2	-	.9	.9	1.3
July 1991 .....	.0	1.3	.2	.2	-	.8	.8	.5
Nevada								
August 1991 .....	.3	2.2	.5	.2	.4	2.5	.7	1.2
July 1991 .....	.3	1.6	.4	.1	.4	1.7	.5	1.4
Oregon								
August 1991 .....	.7	1.0	.7	.2	1.2	1.0	1.0	.7
July 1991 .....	.5	1.0	.5	.3	.8	1.0	.7	1.0
Washington								
August 1991 .....	.4	1.6	.5	.3	1.0	1.6	.9	1.3
July 1991 .....	.3	1.8	.4	.3	.6	1.8	.6	.8

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

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 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 1991	0.2	0.6	0.2	0.1	0.3	0.1	0.2	0.4	0.1	0.2	0.4	0.1
July 1991 .....	.2	.6	.2	.1	.3	.1	.2	.4	.1	.2	.4	.1
PAD District I Average												
August 1991 .....	.3	2.6	2.4	.2	.5	.1	.2	.4	.1	.3	.6	.1
July 1991 .....	.3	2.2	1.9	.2	.5	.1	.2	.4	.1	.3	.6	.1
Subdistrict IA Average												
August 1991	NA	1.0	.9	.3	.5	.2	.5	.6	.2	.6	.8	.3
July 1991 .....	.8	2.7	1.8	.2	.5	.2	.6	.5	.2	.5	.6	.3
Connecticut												
August 1991	-	-	-	.3	1.7	.2	.6	1.7	.4	.8	1.3	.1
July 1991	-	-	-	.3	1.5	.1	.6	1.3	.2	.7	1.3	.1
Maine												
August 1991	-	-	-	.4	.8	.2	1.8	1.6	.3	.4	2.1	.2
July 1991	-	-	-	.3	1.1	.2	2.5	1.3	.3	.4	.7	.3
Massachusetts												
August 1991	NA	.9	-	.7	.6	.5	.8	.5	.3	1.1	.9	.6
July 1991	NA	6.7	NA	.3	.8	.5	.5	.5	.3	1.0	.9	.6
New Hampshire												
August 1991	-	NA	-	.3	1.4	.3	.3	1.1	.1	.3	1.5	.2
July 1991	-	NA	-	.3	1.6	.4	.3	.6	.2	.3	2.5	.2
Rhode Island												
August 1991	-	-	-	2.2	.4	.2	2.9	1.3	.2	2.5	1.1	.2
July 1991	-	-	-	2.2	.3	.1	2.8	1.0	.2	2.2	1.3	.1
Vermont												
August 1991	NA	1.5	.9	.4	.7	.1	.5	.5	.4	.5	.7	.1
July 1991	NA	.1	1.1	.4	.6	.1	.6	.3	.2	.7	.6	.1
Subdistrict IB Average												
August 1991	1.1	3.6	3.7	.5	.8	.2	.5	.6	.1	.5	.9	.1
July 1991	1.1	2.8	3.3	.5	.8	.2	.4	.7	.1	.4	.9	.1
Delaware												
August 1991	-	NA	-	.3	.8	.2	1.1	.7	.3	.5	1.2	.4
July 1991	-	NA	-	.1	.2	.1	.9	.3	.2	.2	.6	.3
District of Columbia												
August 1991	-	-	-	NA	.1	.1	NA	.0	.1	NA	.2	.1
July 1991	-	-	-	NA	.1	.0	NA	.0	.0	NA	.2	.0
Maryland												
August 1991	-	-	-	1.0	.6	.2	1.6	1.1	.1	1.8	.9	.2
July 1991	-	-	-	.9	.4	.1	1.4	.8	.1	1.6	.4	.2
New Jersey												
August 1991	-	NA	-	.1	.7	.4	.1	.7	.1	.1	1.3	.2
July 1991	-	NA	-	.2	.6	.2	.3	.8	.1	.1	1.6	.2
New York												
August 1991	2.0	4.7	4.1	1.1	1.4	.3	1.3	.9	.1	1.2	2.9	.4
July 1991	3.5	3.6	4.1	.9	1.4	.3	.9	.9	.1	.7	3.1	.4
Pennsylvania												
August 1991	NA	1.7	.9	.6	1.3	.3	.7	1.1	.2	.7	1.2	.4
July 1991	NA	1.3	.6	.8	1.5	.3	.7	1.3	.3	.7	1.5	.3
Subdistrict IC Average												
August 1991 .....	.2	.8	.3	.3	.6	.1	.3	.8	.1	.5	.8	.1
July 1991 .....	.1	.5	.2	.3	.6	.1	.4	.7	.1	.5	.7	.1
Florida												
August 1991	NA	-	NA	.3	1.1	.2	.2	1.6	.1	.3	1.7	.2
July 1991	NA	-	NA	.3	1.0	.1	.3	1.6	.2	.4	1.5	.2
Georgia												
August 1991 .....	.2	-	-	1.2	1.1	.3	1.1	1.2	.4	1.7	.9	.4
July 1991 .....	.0	-	-	1.5	1.1	.2	1.6	1.4	.3	1.9	.9	.3
North Carolina												
August 1991	NA	NA	NA	.4	.8	.2	.4	1.8	.4	.6	1.9	.3
July 1991	NA	NA	NA	.3	1.0	.3	.4	1.5	.3	.6	1.4	.4
South Carolina												
August 1991	NA	-	-	.9	3.2	.4	1.1	1.8	.5	1.6	2.7	.6
July 1991	NA	-	-	.8	2.8	.4	1.1	1.6	.3	1.6	2.2	.4

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 1991	0.2	1.0	NA	0.3	1.8	0.4	0.4	1.7	0.3	0.4	2.0	0.2
July 1991	.5	.3	0.3	.3	1.6	.3	.3	1.7	.3	.3	1.8	.3
West Virginia												
August 1991	NA	NA	NA	.6	1.4	.6	.6	1.6	.6	.7	1.5	.5
July 1991	NA	NA	NA	.7	1.1	.5	.6	1.4	.5	.8	1.2	.5
PAD District II Average												
August 1991	.6	.6	.3	.2	.4	.1	.2	.7	.2	.2	.6	.1
July 1991	.4	.5	.3	.2	.4	.1	.2	.7	.1	.2	.7	.1
Illinois												
August 1991	2.1	2.2	1.6	.5	.8	.2	.7	1.6	.1	.9	1.5	.2
July 1991	1.7	2.6	.8	.5	1.4	.2	.8	1.8	.2	1.0	1.8	.2
Indiana												
August 1991	1.9	.6	.5	.6	.9	.2	.6	1.3	.2	.8	1.2	.2
July 1991	1.5	.6	.6	.5	.8	.2	.6	1.3	.2	1.2	.9	.2
Iowa												
August 1991	.7	1.0	.8	.5	1.2	.3	.9	2.8	1.1	1.0	2.1	.4
July 1991	.7	1.0	1.4	.4	1.2	.2	1.2	1.5	.5	.6	1.7	.4
Kansas												
August 1991	.6	1.1	.1	.4	1.4	.2	.9	3.3	.3	.9	.7	.2
July 1991	.7	1.2	.2	.7	1.0	.1	.8	.4	.3	.5	1.5	.1
Kentucky												
August 1991	.0	NA	.0	.3	3.4	.4	.4	3.4	.5	.5	3.5	.4
July 1991	.0	NA	.0	.2	1.8	.5	.3	2.1	.4	.6	2.3	.4
Michigan												
August 1991	2.1	1.2	.8	.6	1.2	.2	.6	.9	.3	.8	1.5	.2
July 1991	1.9	1.1	.7	.5	1.4	.2	.5	1.9	.4	.7	1.6	.2
Minnesota												
August 1991	.7	1.8	.9	.5	1.3	.4	.6	1.6	1.5	.8	2.3	.2
July 1991	.8	1.8	.5	1.1	1.3	.4	1.2	.9	.5	.9	3.2	.4
Missouri												
August 1991	1.0	2.6	1.1	.3	2.0	.3	.4	.6	.2	.5	2.3	.3
July 1991	.9	2.0	1.4	.4	1.8	.3	.3	.9	.2	.5	2.2	.3
Nebraska												
August 1991	.9	1.4	.2	.7	1.7	.4	1.4	NA	.3	1.2	NA	.1
July 1991	1.3	1.3	.5	.7	1.1	.3	.4	NA	.2	1.5	NA	.1
North Dakota												
August 1991	1.3	2.8	.2	1.0	1.0	.2	.7	.7	.1	3.1	1.8	.2
July 1991	.9	1.9	.2	.7	1.1	.2	.5	.3	.1	1.2	2.5	.5
Ohio												
August 1991	.2	1.3	.1	.1	.8	.1	.1	.9	.2	.3	.6	.2
July 1991	.3	1.3	2.2	.1	.7	.1	.1	.9	.2	.3	.7	.2
Oklahoma												
August 1991	1.5	1.7	1.4	.3	2.3	.4	.3	4.2	.2	1.0	2.9	.6
July 1991	1.4	3.2	1.1	.6	2.2	.4	.1	3.5	.4	.6	2.8	.5
South Dakota												
August 1991	1.4	2.3	.1	.7	.7	.2	1.8	.8	.4	.8	.8	.4
July 1991	1.0	1.2	.2	.5	.8	.1	2.1	NA	.3	1.9	.8	.3
Tennessee												
August 1991	NA	-	NA	.2	2.8	.6	.4	2.8	.6	.6	2.7	.6
July 1991	NA	-	NA	.2	2.8	.6	.3	2.8	.5	.5	3.0	.6
Wisconsin												
August 1991	.8	.9	1.7	.4	.9	.2	.5	1.6	.2	.6	.6	.4
July 1991	.6	1.2	1.7	.4	.8	.2	.6	1.0	.2	.5	1.2	.3
PAD District III Average												
August 1991	.4	2.0	.2	.3	.7	.2	.3	.8	.4	.3	1.1	.3
July 1991	.4	1.1	.2	.3	.8	.2	.3	.6	.4	.3	.9	.4
Alabama												
August 1991	NA	-	-	.9	1.8	.2	1.0	2.1	.2	.8	1.6	.2
July 1991	NA	-	-	1.0	1.5	.2	1.0	1.8	.3	.8	1.9	.3
Arkansas												
August 1991	.2	NA	2.6	.3	1.6	.2	.2	1.6	.4	.4	2.0	.3
July 1991	.2	NA	2.6	.3	1.5	.3	.4	2.2	.3	.8	1.0	.4

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 1991	0.0	-	-	0.5	0.8	0.5	0.5	2.7	0.8	0.9	2.9	0.9
July 1991 .....	.0	-	NA	.8	1.3	.5	.6	2.1	.8	1.0	3.0	.8
Mississippi												
August 1991	NA	-	-	1.3	1.2	.3	1.4	1.3	.2	1.9	1.8	.3
July 1991	NA	-	-	1.4	1.4	.3	1.4	1.5	.3	1.9	2.6	.3
New Mexico												
August 1991	1.0	1.3	0.3	1.0	.5	.2	.2	1.0	.1	1.2	.5	.2
July 1991 .....	.7	1.2	.2	.5	.6	.2	.7	.3	1.3	1.1	.7	.2
Texas												
August 1991 .....	.3	2.8	.1	.3	1.0	.3	.3	1.0	.6	.3	1.2	.6
July 1991 .....	.8	2.2	.1	.4	1.1	.3	.3	.7	.8	.3	1.1	.7
PAD District IV Average												
August 1991 .....	.2	1.0	.1	.1	1.1	.1	.4	5.7	.3	.2	.8	.1
July 1991 .....	.3	1.0	.2	.2	.8	.1	.7	9.2	.3	.2	1.5	.2
Colorado												
August 1991 .....	.4	2.1	.1	.2	3.1	.1	.5	NA	.3	.2	1.8	.2
July 1991 .....	.6	2.2	.3	.3	1.7	.2	.8	NA	.2	.2	2.6	.3
Idaho												
August 1991 .....	.3	.5	.1	.3	1.1	.1	1.7	NA	NA	.6	.9	.2
July 1991 .....	.4	.6	.2	.4	1.1	.2	.1	NA	NA	.5	1.3	.2
Montana												
August 1991 .....	.6	1.3	.2	.6	1.2	.2	-	NA	NA	.5	1.5	.2
July 1991 .....	.5	1.4	.1	.5	.7	.2	-	NA	NA	.5	1.6	.3
Utah												
August 1991 .....	.4	.4	.2	.3	.3	.2	.3	.6	.3	.4	.7	.4
July 1991 .....	.4	.7	.5	.5	.8	.5	.1	1.1	1.1	.6	.7	.7
Wyoming												
August 1991 .....	.5	.9	.3	.5	.8	.4	NA	NA	.5	.8	1.4	.5
July 1991 .....	.4	.6	.3	.4	.7	.3	NA	NA	.3	.4	.6	.4
PAD District V Average												
August 1991 .....	.3	1.0	.3	.3	1.0	.2	1.0	2.5	.4	.3	1.0	.1
July 1991 .....	.3	.9	.2	.4	.9	.2	.6	2.3	.3	.4	1.0	.1
Alaska												
August 1991	3.0	NA	.1	3.9	1.6	.2	NA	NA	8.3	1.5	.8	.3
July 1991	9.3	NA	.1	4.6	1.5	.3	NA	NA	NA	1.1	1.0	.3
Arizona												
August 1991 .....	.8	1.1	.1	.4	1.4	.1	2.3	NA	.0	.4	1.1	.1
July 1991 .....	.6	.5	.2	.4	.9	.2	3.1	-	NA	.5	2.0	.1
California												
August 1991 .....	.5	2.1	.6	.4	1.8	.2	2.0	1.7	.1	.4	1.6	.1
July 1991 .....	.5	2.1	.5	.5	1.6	.2	1.3	2.8	NA	.6	1.3	.1
Hawaii												
August 1991	-	-	-	.0	1.4	.2	.0	1.0	.1	.0	1.4	.2
July 1991	-	-	-	.0	1.5	.2	.0	.8	.1	.0	1.5	.1
Nevada												
August 1991 .....	.5	2.2	.3	.3	1.4	.2	-	NA	NA	.4	5.2	.1
July 1991 .....	.4	1.4	.1	.4	1.0	.1	-	NA	.8	.3	4.6	.1
Oregon												
August 1991 .....	.6	1.1	.3	.7	1.1	.2	NA	-	NA	.8	1.3	.2
July 1991 .....	.5	.9	.3	.5	1.0	.3	NA	-	-	.6	1.6	.4
Washington												
August 1991 .....	.4	1.9	.2	.4	1.7	.3	-	NA	NA	.7	2.1	.4
July 1991 .....	.3	1.9	.2	.3	1.8	.2	-	NA	NA	.5	1.9	.3

^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						Sales for Resale
	To Residential Consumers ^b	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^c	To Other End Users	Average	
U.S. Average							
August 1991	0.5	0.2	0.5	0.2	0.3	0.2	0.1
July 1991 .....	.5	.2	.5	.2	.3	.2	.1
PAD District I Average							
August 1991 .....	.6	.3	1.0	.3	.5	.3	.1
July 1991 .....	.5	.3	1.0	.3	.6	.3	.1
Subdistrict IA Average							
August 1991 .....	.7	.5	.8	.5	.8	.5	.1
July 1991 .....	.6	.4	.8	.5	.7	.5	.1
Connecticut							
August 1991	1.2	1.3	1.8	2.8	1.8	1.2	.1
July 1991	1.1	1.3	1.9	2.7	1.9	1.3	.1
Maine							
August 1991 .....	.9	.6	1.0	.3	1.4	.5	.2
July 1991 .....	.8	.9	.7	.3	1.2	.9	.2
Massachusetts							
August 1991	1.6	.9	1.0	.9	.6	1.0	.2
July 1991	1.1	.8	.9	1.0	1.2	1.0	.2
New Hampshire							
August 1991 .....	.9	1.2	1.6	.2	1.8	.8	.1
July 1991	1.1	1.3	1.3	.2	1.9	.7	.1
Rhode Island							
August 1991	1.9	.5	.8	1.4	1.2	1.1	.3
July 1991	1.9	1.1	.6	1.7	1.8	1.4	.1
Vermont							
August 1991 .....	.9	.6	.3	.7	1.3	.6	.1
July 1991 .....	.9	.5	.3	.3	1.4	.6	.1
Subdistrict IB Average							
August 1991 .....	.9	.7	2.5	.4	.9	.7	.1
July 1991 .....	.8	.6	2.5	.4	.6	.7	.1
Delaware							
August 1991 .....	.5	.5	.5	1.7	.6	.7	.1
July 1991 .....	.9	.2	.9	1.1	.4	.5	.1
District of Columbia							
August 1991 .....	.6	.2	NA	NA	NA	.2	.4
July 1991	1.0	.1	NA	NA	NA	.1	.0
Maryland							
August 1991 .....	.8	.6	1.7	.6	1.3	.7	.1
July 1991 .....	.6	.6	1.8	.7	1.1	.7	.1
New Jersey							
August 1991	1.4	1.1	1.6	.4	3.0	.8	.1
July 1991	1.7	1.6	1.7	.4	1.2	1.0	.1
New York							
August 1991	2.2	.9	6.4	1.4	1.5	2.1	.1
July 1991	1.2	.8	6.6	1.3	1.1	2.1	.1
Pennsylvania							
August 1991 .....	.8	1.5	.7	.5	1.3	.8	.2
July 1991 .....	.9	1.3	.7	.4	1.1	.7	.1
Subdistrict IC Average							
August 1991	1.3	.2	.5	.3	.7	.3	.1
July 1991	1.0	.2	.5	.3	.9	.3	.1
Virginia							
August 1991	2.0	.5	.5	.9	2.2	.9	.1
July 1991	1.1	.3	.6	.8	2.9	.7	.1
West Virginia							
August 1991	1.6	.3	.7	.4	1.7	.3	.5
July 1991	1.6	.3	1.1	.4	1.3	.4	.4
PAD District II Average							
August 1991 .....	.9	.3	.4	.3	.6	.3	.1
July 1991 .....	.9	.2	.5	.3	.5	.4	.1
Illinois							
August 1991	4.1	.8	1.6	.3	.9	.5	.3
July 1991	5.9	.8	1.7	.4	1.1	.7	.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					Average	Sales for Resale
	To Residential Consumers ^b	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets ^c	To Other End Users		
Indiana							
August 1991	1.4	0.6	0.8	0.3	1.7	0.4	0.1
July 1991	1.5	.8	.9	.4	1.7	.5	.2
Michigan							
August 1991	1.3	1.4	.8	1.6	2.0	1.0	.2
July 1991 .....	.6	2.1	.9	1.3	1.4	1.1	.2
Minnesota							
August 1991	1.5	1.3	1.4	1.4	.9	1.2	.3
July 1991	1.8	1.3	1.5	1.5	.8	1.0	.3
Ohio							
August 1991	1.7	.3	1.1	.5	1.2	.3	.1
July 1991	1.8	.4	1.2	.6	1.4	.4	.1
Wisconsin							
August 1991	1.7	.7	1.7	1.2	1.6	.6	.1
July 1991	2.2	1.0	1.7	1.2	1.4	.6	.2
PAD District III Average							
August 1991	NA	.6	.9	.3	1.0	.5	.1
July 1991	NA	.7	1.2	.4	1.0	.6	.1
PAD District IV Average							
August 1991	1.0	.8	1.4	1.0	.8	.5	.2
July 1991	1.1	.8	1.5	1.0	.7	.5	.1
Idaho							
August 1991	1.5	.8	1.8	.9	1.3	1.0	.3
July 1991	2.4	.5	2.4	1.1	1.2	1.1	.3
PAD District V Average							
August 1991	2.5	.7	.9	.4	.7	.4	.2
July 1991	2.1	.5	1.0	.5	.6	.4	.2
Alaska							
August 1991	5.3	1.3	1.6	1.7	.9	1.1	.1
July 1991	5.2	1.1	.6	.9	1.0	.9	.1
Oregon							
August 1991	1.0	1.4	1.1	.7	1.2	.8	.4
July 1991	1.3	1.6	1.9	.6	.8	.6	.3
Washington							
August 1991	2.5	.9	2.3	1.4	2.5	1.4	.3
July 1991	2.6	.7	2.8	1.2	3.4	1.5	.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 1991	0.5	0.4	0.5	0.8	0.4	0.1
July 1991 .....	.5	.3	.6	.8	.4	.1
PAD District I Average						
August 1991 .....	.6	.5	.7	1.1	.5	.1
July 1991 .....	.5	.4	.7	1.0	.5	.1
Subdistrict IA Average						
August 1991 .....	.7	.4	.8	.9	.5	.1
July 1991 .....	.6	.5	.8	.8	.5	.1
Connecticut						
August 1991	1.2	1.5	.6	1.2	1.1	.1
July 1991	1.1	1.7	1.1	1.7	1.0	.1
Maine						
August 1991 .....	.9	.6	.5	.9	.6	.1
July 1991 .....	.8	.5	.5	.6	.7	.2
Massachusetts						
August 1991	1.6	.8	1.7	.7	1.2	.2
July 1991	1.1	1.0	2.0	.5	1.1	.2
New Hampshire						
August 1991 .....	.9	.5	.7	.2	.7	.1
July 1991	1.1	.7	.4	.1	.8	.1
Rhode Island						
August 1991	1.9	1.8	.3	NA	1.5	.3
July 1991	1.9	3.9	1.2	NA	1.7	.1
Vermont						
August 1991 .....	.9	.5	1.0	1.1	.8	.1
July 1991 .....	.9	.6	.9	.3	.9	.1
Subdistrict IB Average						
August 1991 .....	.9	.9	1.0	.4	.8	.1
July 1991 .....	.8	.7	1.1	.2	.8	.1
Delaware						
August 1991 .....	.5	.5	.5	NA	.9	.1
July 1991 .....	.9	.0	.3	NA	1.0	.1
District of Columbia						
August 1991 .....	.6	.9	-	-	1.4	.1
July 1991	1.0	1.2	-	NA	.1	.0
Maryland						
August 1991 .....	.8	1.1	.3	.2	1.3	.1
July 1991 .....	.6	1.3	.3	.2	1.3	.1
New Jersey						
August 1991	1.4	1.6	2.0	.8	1.1	.1
July 1991	1.7	1.5	2.6	NA	1.6	.1
New York						
August 1991	2.2	1.5	1.5	1.1	1.7	.1
July 1991	1.2	1.1	1.5	.3	1.4	.1
Pennsylvania						
August 1991 .....	.8	.9	1.5	.4	.7	.3
July 1991 .....	.9	.6	1.4	.2	.8	.1
Subdistrict IC Average						
August 1991	1.3	.4	1.1	1.5	.7	.1
July 1991	1.0	.4	1.1	1.8	.9	.1
Virginia						
August 1991	2.0	1.2	.8	1.2	1.4	.1
July 1991	1.1	.8	1.0	2.2	1.7	.1
West Virginia						
August 1991	1.6	2.4	1.3	.7	1.3	.1
July 1991	1.6	2.4	2.3	.2	1.2	.1
PAD District II Average						
August 1991 .....	.9	.2	1.0	.9	.7	.1
July 1991 .....	.9	.3	1.0	1.2	.6	.1
Illinois						
August 1991	4.1	.4	4.4	2.0	1.3	.2
July 1991	5.9	.9	4.6	3.2	1.6	.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					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users	Average	
Indiana						
August 1991	1.4	0.2	0.5	3.2	1.0	0.1
July 1991	1.5	NA	1.0	1.2	1.0	.1
Michigan						
August 1991	1.3	.6	1.5	4.3	1.4	.1
July 1991 .....	.6	.5	1.7	3.3	2.0	.2
Minnesota						
August 1991	1.5	.9	2.4	1.3	2.3	.2
July 1991	1.8	.4	3.8	3.4	2.6	.2
Ohio						
August 1991	1.7	.4	.5	.2	.9	.1
July 1991	1.8	.4	1.0	.6	.8	.1
Wisconsin						
August 1991	1.7	.4	.8	1.8	1.1	.1
July 1991	2.2	1.1	1.0	2.7	1.3	.1
PAD District III Average						
August 1991	NA	.1	.4	.5	.3	.1
July 1991	NA	NA	.1	2.9	.4	.1
PAD District IV Average						
August 1991	1.0	.4	NA	NA	.7	.0
July 1991	1.1	.5	.0	NA	.8	.0
Idaho						
August 1991	1.5	NA	-	-	1.2	.0
July 1991	2.4	NA	-	-	1.9	.0
PAD District V Average						
August 1991	2.5	4.9	.8	.3	2.2	.6
July 1991	2.1	4.0	.8	1.0	1.8	1.7
Alaska						
August 1991	5.3	5.8	1.6	.6	2.8	.2
July 1991	5.2	5.4	3.4	1.7	3.4	.1
Oregon						
August 1991	1.0	.6	NA	NA	2.4	.1
July 1991	1.3	.9	.2	NA	1.7	.2
Washington						
August 1991	2.5	.3	.1	.1	2.6	.1
July 1991	2.6	.2	.3	.6	2.2	.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 1991	0.2	0.1	0.1	0.1	0.1	0.1
July 1991 .....	.1	.1	.1	.1	.1	.1
PAD District I Average						
August 1991 .....	.2	.1	.1	.1	.1	.1
July 1991 .....	.1	.1	.1	.1	.1	.1
Subdistrict IA Average						
August 1991 .....	.2	.0	.1	NA	.2	.0
July 1991 .....	.1	.0	.1	.0	.1	.0
Connecticut						
August 1991 .....	.1	NA	-	-	.1	NA
July 1991 .....	.1	NA	-	-	.1	NA
Maine						
August 1991 .....	.7	NA	.2	NA	.9	.0
July 1991 .....	.2	NA	.2	NA	.6	.0
Massachusetts						
August 1991 .....	.1	.0	.1	.0	.1	.0
July 1991 .....	.1	NA	.0	.0	.1	.0
New Hampshire						
August 1991 .....	.0	NA	.0	NA	.0	NA
July 1991 .....	.0	NA	.0	NA	.0	NA
Rhode Island						
August 1991 .....	.0	NA	-	-	.0	NA
July 1991 .....	.0	NA	-	-	.0	NA
Subdistrict IB Average						
August 1991 .....	.3	.1	.1	.0	.1	.1
July 1991 .....	.1	.1	.1	.2	.1	.1
Delaware						
August 1991 .....	.8	NA	.1	-	.4	NA
July 1991 .....	.2	NA	.1	-	.3	NA
Maryland						
August 1991	1.0	NA	.0	NA	.5	NA
July 1991 .....	.1	NA	.0	-	.1	NA
New Jersey						
August 1991 .....	.1	.1	.0	.0	.1	.1
July 1991 .....	.1	.1	.0	.0	.1	.1
New York						
August 1991 .....	.2	.1	.2	.0	.3	.1
July 1991 .....	.2	.3	.1	.0	.2	.3
Pennsylvania						
August 1991 .....	.4	.0	.2	NA	.1	.0
July 1991 .....	.1	.0	.1	NA	.1	.2
Subdistrict IC Average						
August 1991 .....	.1	NA	.2	.1	.2	.1
July 1991 .....	.1	NA	.1	.1	.1	.1
Florida						
August 1991 .....	.1	-	.3	.0	.3	.0
July 1991 .....	.0	-	.0	.0	.0	.0
Georgia						
August 1991	-	NA	.0	NA	.0	NA
July 1991	-	NA	.0	NA	.0	NA
North Carolina						
August 1991 .....	.0	-	.0	.1	.0	.1
July 1991 .....	.0	NA	.0	NA	.0	NA
South Carolina						
August 1991	NA	-	.2	-	.1	-
July 1991	NA	-	.2	-	.1	-
Virginia						
August 1991 .....	.2	-	.1	.0	.1	.0
July 1991 .....	.1	-	.1	.0	.1	.0
PAD District II Average						
August 1991 .....	.1	.0	.1	.0	.1	.0
July 1991 .....	.1	.0	.1	.0	.1	.0

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 1991	NA	NA	NA	0.0	0.2	0.0
July 1991	1.0	NA	NA	.0	NA	.0
Indiana						
August 1991 .....	.0	-	0.0	.0	.0	.0
July 1991 .....	.0	-	.0	NA	.0	NA
Michigan						
August 1991 .....	.1	0.0	.0	.0	.1	.0
July 1991 .....	.1	.0	NA	.0	.1	.0
Minnesota						
August 1991	NA	NA	.0	NA	.0	NA
July 1991	-	NA	.0	NA	.0	NA
Ohio						
August 1991 .....	.0	-	.0	NA	.0	NA
July 1991 .....	.0	-	.0	NA	.0	NA
PAD District III Average						
August 1991	1.2	.1	.1	.0	.3	.1
July 1991 .....	.0	.1	.0	.0	.0	.1
Alabama						
August 1991	-	-	.1	-	.1	-
July 1991	-	-	.0	NA	.0	NA
Louisiana						
August 1991	1.2	.0	.1	.0	.5	.0
July 1991 .....	.0	.0	.0	.0	.0	.0
Mississippi						
August 1991	-	-	NA	-	NA	-
July 1991	-	-	NA	-	NA	-
Texas						
August 1991	NA	.1	.1	.0	.1	.1
July 1991	NA	.1	.0	.0	.0	.1
PAD District IV Average						
August 1991	NA	.0	NA	.0	.0	.0
July 1991	NA	.0	NA	NA	.0	.0
PAD District V Average						
August 1991 .....	.1	.1	.4	.0	.2	.1
July 1991 .....	.1	.1	.4	.0	.2	.1
California						
August 1991 .....	.4	.1	.1	.0	.1	.1
July 1991 .....	.0	.1	.1	.0	.1	.1
Hawaii						
August 1991	NA	-	.0	NA	.0	NA
July 1991	NA	-	.0	NA	.0	NA
Oregon						
August 1991 .....	.1	-	.2	.0	.5	.0
July 1991 .....	.9	-	.1	.0	.1	.0
Washington						
August 1991	NA	NA	.6	.0	.6	.0
July 1991	-	NA	.9	.0	.9	.0

- 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 1991	July 1991	August 1991	July 1991	August 1991	July 1991
U.S. Average	99.3	99.8	93.1	96.0	99.9	100.0
PAD District I Average	99.2	100.0	92.5	96.4	99.9	100.0
Subdistrict IA Average	99.1	100.0	93.9	96.3	99.5	100.0
Connecticut	100.0	100.0	95.5	100.0	100.0	100.0
Maine	100.0	100.0	94.7	96.0	100.0	100.0
Massachusetts	95.6	100.0	91.7	94.9	100.0	100.0
New Hampshire	100.0	100.0	94.8	94.8	100.0	100.0
Rhode Island	100.0	100.0	91.8	96.7	96.8	100.0
Vermont	100.0	100.0	95.4	95.3	100.0	100.0
Subdistrict IB Average	98.1	100.0	91.4	96.8	100.0	100.0
Delaware	94.1	100.0	91.8	96.8	100.0	100.0
District of Columbia	100.0	100.0	95.4	100.0	100.0	100.0
Maryland	96.3	100.0	93.1	99.0	100.0	100.0
New Jersey	100.0	100.0	87.3	94.2	100.0	100.0
New York	100.0	100.0	93.0	97.6	100.0	100.0
Pennsylvania	97.2	100.0	90.8	96.2	100.0	100.0
Subdistrict IC Average	100.0	100.0	92.5	96.1	100.0	100.0
Florida	100.0	100.0	89.6	93.2	100.0	100.0
Georgia	100.0	100.0	94.4	95.5	100.0	100.0
North Carolina	100.0	100.0	93.6	95.5	100.0	100.0
South Carolina	100.0	100.0	94.4	98.6	100.0	100.0
Virginia	100.0	100.0	89.9	96.5	100.0	100.0
West Virginia	100.0	100.0	94.2	98.5	100.0	100.0
PAD District II Average	99.6	99.6	93.9	96.0	100.0	100.0
Illinois	100.0	97.6	95.8	96.6	100.0	100.0
Indiana	100.0	100.0	94.6	97.3	100.0	100.0
Iowa	100.0	100.0	95.2	98.0	100.0	100.0
Kansas	100.0	100.0	91.6	95.8	100.0	100.0
Kentucky	100.0	100.0	96.0	97.4	100.0	100.0
Michigan	100.0	100.0	94.0	98.0	100.0	100.0
Minnesota	100.0	100.0	93.7	95.4	100.0	100.0
Missouri	100.0	100.0	93.9	94.8	100.0	100.0
Nebraska	96.8	100.0	89.1	90.4	100.0	100.0
North Dakota	100.0	100.0	95.9	98.6	100.0	100.0
Ohio	100.0	100.0	95.4	95.5	100.0	100.0
Oklahoma	100.0	100.0	91.0	93.8	100.0	100.0
South Dakota	100.0	100.0	94.7	95.9	100.0	100.0
Tennessee	100.0	100.0	93.5	96.8	100.0	100.0
Wisconsin	96.8	96.7	92.4	95.7	100.0	100.0
PAD District III Average	99.7	100.0	93.5	96.1	100.0	100.0
Alabama	97.5	100.0	92.3	95.0	100.0	100.0
Arkansas	100.0	100.0	89.6	92.6	100.0	100.0
Louisiana	100.0	100.0	94.7	97.3	100.0	100.0
Mississippi	100.0	100.0	92.3	94.9	100.0	100.0
New Mexico	100.0	100.0	94.8	98.2	100.0	100.0
Texas	100.0	100.0	96.5	98.2	100.0	100.0
PAD District IV Average	100.0	100.0	94.3	95.7	100.0	100.0
Colorado	100.0	100.0	97.0	97.0	100.0	100.0
Idaho	100.0	100.0	93.5	95.2	100.0	100.0
Montana	100.0	100.0	93.3	95.1	100.0	100.0
Utah	100.0	100.0	92.3	92.3	100.0	100.0
Wyoming	100.0	100.0	95.1	98.3	100.0	100.0
PAD District V Average	97.5	99.4	91.6	94.3	100.0	100.0
Alaska	92.3	100.0	87.9	94.1	100.0	100.0
Arizona	95.8	100.0	97.8	97.8	100.0	100.0
California	97.6	100.0	89.6	92.8	100.0	100.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0
Nevada	100.0	100.0	95.5	95.7	100.0	100.0
Oregon	95.4	95.2	90.8	93.3	100.0	100.0
Washington	100.0	100.0	89.3	93.3	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 for Product Prices"
- EIA-9A: "No. 2 Distillate Price Monitoring Report"
- EIA-25: "Prime Supplier's Monthly Report"
- FEA-P306: "Refiner/Importer Monthly Report of Petroleum Product Distribution"
- FEA-P314: "Monthly Survey of Distillate and Residual Fuel Oil Sales to Ultimate Consumers"
- FEA-P315: "Monthly Survey of Propane Sales Volume to Ultimate Consumers"
- SG-1, 2, 4, and 7: "Survey of Gallonage Sales of Gasoline."

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

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

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

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

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

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

Discussion of Sample Design

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

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

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

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

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

The Form EIA-782C was sent to all 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 161 companies responding to the EIA-782A.

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

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

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

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

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

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

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

Data Continuity

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

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

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

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

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

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

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

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

where t = reference month.

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

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

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

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

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

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

Collection Methods

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

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

Data Processing

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

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.

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

	Motor Gasoline	Diesel Fuel		Motor Gasoline	Diesel Fuel
Federal ²	14.10	20.10	Mississippi	18.20	18.20
Average State Tax ..	17.87	18.05	Missouri	11.01	11.01
Alabama	13.00	14.00	Montana	21.00	20.00
Alaska	8.00	8.00	Nebraska ¹	23.70	23.70
Arizona	19.00	19.00	Nevada	18.66	22.66
Arkansas	18.70	18.70	New Hampshire	18.70	18.70
California ³	15.60	15.60	New Jersey	10.50	13.50
Colorado	22.31	18.31	New Mexico	16.00	16.00
Connecticut ³	23.00	23.00	New York ³	15.64	17.64
Delaware	19.00	19.00	North Carolina	22.85	22.85
District of Columbia ...	18.00	18.00	North Dakota	17.25	17.25
Florida	11.20	12.20	Ohio	21.00	21.00
Georgia ³	7.60	7.60	Oklahoma	17.00	14.00
Hawaii ³	16.00	16.00	Oregon	20.00	20.00
Idaho	22.00	22.00	Pennsylvania ¹	17.40	17.40
Illinois ³	19.30	21.80	Rhode Island	26.00	26.00
Indiana ³	15.08	16.00	South Carolina	16.75	16.75
Iowa	20.85	23.35	South Dakota	19.00	19.00
Kansas	17.02	19.02	Tennessee	21.40	18.40
Kentucky	15.40	12.40	Texas	15.00	15.00
Louisiana	20.03	20.03	Utah	19.50	19.50
Maine	19.00	20.00	Vermont	16.00	17.00
Maryland	18.50	18.50	Virginia	17.70	16.20
Massachusetts	21.00	21.00	Washington	23.00	23.00
Michigan ³	15.88	15.88	West Virginia	20.35	20.35
Minnesota	21.08	21.08	Wisconsin	22.20	22.20
			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 July 1, 1991, and will be updated with rates effective January 1, 1992. We are aware of the following rate changes that will be effective before that date: Nebraska: effective October 1, 1991, both motor gasoline and diesel fuel will be 23.5 cents per gallon; Pennsylvania: effective September 1, 1991, both motor gasoline and diesel fuel will be 22.35 cents per gallon.

² The Federal tax on motor gasoline and diesel fuel increased 5.0 cents, to 14.1 and 20.1 cents, respectively, on December 1, 1990.

³ Additional State taxes are levied as follows: California: 6 percent sales tax (effective July 15, 1991, 7.25 percent sales tax); Connecticut: 3 percent gross earnings tax; Georgia: 3 percent second motor fuel tax plus 1 percent sales tax; Hawaii: 4 percent sales tax; Indiana: 5 percent sales tax; Michigan: 4 percent sales tax; percent excise tax based on State motor fuel costs (variable, New York: 4 percent sales tax.

Source: State revenue/taxation offices.

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

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

Revision Error

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

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

Table EN3. Revision Error in Selected 1989 U.S. Average Price Data
(Cents per Gallon Excluding Taxes)

Date	Refiner/Reseller Unleaded Regular Sales to End Users			No. 2 Distillate Sales to Residential Customers			Residual Fuel Oil Sales to End Users		
	Preliminary	Final	Difference	Preliminary	Final	Difference	Preliminary	Final	Difference
January	NA ¹	63.1	NA ¹	84.9	84.9	-	37.0	36.3	-0.7
February	NA ¹	63.3	NA ¹	85.5	85.5	-	36.0	35.5	-0.5
March	NA ¹	66.6	NA ¹	87.1	87.1	-	37.5	36.9	-0.6
April	79.5	79.6	0.1	87.8	87.8	-	41.2	41.1	-0.1
May	82.6	82.7	.1	86.6	86.7	-0.1	41.3	41.2	-0.1
June	81.4	81.3	-0.1	84.0	84.1	.1	39.4	39.4	-
July	79.1	78.9	-0.2	82.2	82.1	-0.1	38.9	38.5	-0.4
August	74.0	73.8	-0.2	81.6	81.5	-0.1	37.1	37.4	.3
September	73.1	72.9	-0.2	81.4	81.5	.1	37.1	36.9	-0.2
October	72.5	72.3	-0.2	85.6	85.6	-	39.5	39.4	-0.1
November	70.2	70.0	-0.2	88.3	88.3	-	39.9	40.5	.6
December	69.8	69.7	-0.1	107.8	107.6	-0.2	46.4	47.6	1.2

¹ Prior to April 1989, preliminary unleaded regular gasoline data included unleaded midgrade gasoline. Beginning in April 1989 and in the final data in the *Petroleum Marketing Annual*, unleaded midgrade gasoline was shown separately.

Sources: Preliminary data are from Tables 15 and 39 of the January through March *Petroleum Marketing Monthly* (PMM) and from Tables 15, 28, and 40 of the April through December PMM. Final data are from Tables 15, 28, and 41 of the *Petroleum Marketing Annual, 1989*.

Table EN4. Revision Error in Selected 1989 Refiner Sales Volume Data
(Million Gallons)

Date	Motor Gasoline Sales for Resale			No. 2 Distillate Sales for Resale			Residual Fuel Oil ¹ Sales to End Users		
	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change
January	7,423	7,479	0.8	3,298	3,253	-1.4	1,006	1,114	10.7
February	6,868	6,890	.3	2,850	2,846	-0.1	858	937	9.2
March	8,282	8,303	.3	3,271	3,256	-0.5	1,020	1,095	7.5
April	7,563	7,599	.5	2,662	2,707	1.7	893	987	10.5
May	7,997	8,125	1.6	2,635	2,676	1.6	804	889	10.6
June	8,146	8,280	1.6	2,637	2,704	2.5	781	901	15.4
July	8,047	8,145	1.2	2,558	2,568	.4	887	907	9.4
August	8,435	8,508	.8	2,944	2,999	1.9	803	871	8.5
September	7,754	7,843	1.1	2,760	2,791	1.1	627	712	13.6
October	7,958	8,051	1.2	2,964	3,020	1.9	649	734	13.1
November	7,764	7,794	.4	2,982	3,049	2.2	762	840	10.2
December	8,089	8,135	.6	3,622	3,704	2.3	976	1,049	7.5

¹ Refiner Sales of residual fuel oil experienced an unusually high revision in 1989 due to the discovery that data for a subsidiary of a refiner were not included with the refiner data. This subsidiary was classified as a refiner after the monthly data were published, causing approximately a 7 percent increase in refiner residual fuel oil sales for 1989.

Sources: Preliminary data are from Tables 10, 43, and 44 of the January through March *Petroleum Marketing Monthly* (PMM) and from Tables 10, 45, and 46 of the April through December PMM. Final data are from Tables 10, 45, and 46 of the *Petroleum Marketing Annual, 1989*.

Table EN5. Revision Error in Selected Volumes of 1989 First Sales Data
(Million Gallons)

Date	Total Motor Gasoline			Total No. 2 Distillate			Total Residual Fuel Oil		
	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change
January	9,483	9,422	-0.6	4,700	4,603	-2.1	2,047	2,111	3.1
February	8,781	8,784	.0	4,248	4,221	-.6	1,677	1,750	4.4
March	10,484	10,463	-.2	4,698	4,686	-.3	1,948	2,007	3.0
April	9,707	9,713	.1	3,867	3,890	.6	1,758	1,779	1.2
May	10,403	10,453	.5	3,763	3,774	.3	1,635	1,673	2.3
June	10,399	10,474	.7	3,693	3,746	1.4	1,436	1,495	4.1
July	10,325	10,394	.7	3,469	3,531	1.8	1,593	1,664	4.5
August	10,737	10,770	.3	4,060	4,102	1.0	1,443	1,465	1.5
September	9,946	9,994	.5	3,771	3,809	1.0	1,311	1,345	2.6
October	10,195	10,271	.7	4,174	4,233	1.4	1,464	1,504	2.7
November	9,912	9,969	.6	4,136	4,248	2.7	1,550	1,602	3.4
December	10,436	10,454	.2	5,175	5,238	1.2	2,030	2,093	3.1

Sources: Preliminary data are from Tables 45, 46, and 47 of the January through March *Petroleum Marketing Monthly* (PMM) and from Tables 47, 48, and 49 of the April through December PMM. Final data are from Tables 47, 48, and 49 of the *Petroleum Marketing Annual, 1989*.

The Crude Oil Price Surveys

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.

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.

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

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

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

- **Offshore inventories.** Crude oil owned by the respondent that is intended for importation into the United States. These inventories include oil in tankers enroute to the United States and floating or on-land storage outside the United States.
- **Crude type.** Includes the country of origin of the cargo of crude, the stream or type of crude oil (e.g., Saudi Light), and the API gravity.
- **Volume.** The number of 42 gallon barrels in the cargo.
- **Dates.** The date of loading/acquisition and the expected month of landing.
- **Transportation.** Ports of loading and landing and the name of the vessel.

- **Prices.** Acquisition cost, landed cost, and other costs such as demurrage, agent's fees, import tariffs and fees, etc. (all costs are reported in dollars per barrel).
- **Days credit.** The number of days credit is extended to the purchaser by the seller.
- **Purchase classifying information.** Type of transaction (e.g., purchase from host government), terms of transaction (spot or contract), and point of transaction (f.o.b. (free on board), country of origin or CIF (cost, insurance, and freight), U.S. port of entry).

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

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

International crude oil markets are complex and dynamic. For example, a cargo of Saudi Arabian crude oil could be acquired in June at a loading port in Saudi Arabia. The cargo may land in the United States in August. The price for the crude oil could be determined by spot crude oil prices in effect during the five days before and after landing. For the PMM, the price for this cargo will be aggregated in the month of June, when it was acquired. Conversely, a cargo of Brent crude may be acquired in June, but its price may have been determined in the forward Brent market in April. This cargo's price will also be aggregated in June, when the purchaser took title to the crude.

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

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

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

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

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

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

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

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

Respondent Frame

EIA-182:

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

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

EIA-856:

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

EIA-14:

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

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

Data Collection Processing

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

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

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

Data Continuity

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

Reliability of Data

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

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

errors of collection, response, coverage, and estimation for missing data.

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

Imputation

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

Revision Error

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

- **Form EIA-14, "Refiners' Monthly Cost Report"**

During 1989, the difference in the monthly, domestic refiner acquisition cost between preliminary data published in the *Petroleum Marketing Monthly* (PMM) and final data published in the *Petroleum Marketing Annual* (PMA) ranged from

-5 cents per barrel (-0.3 percent of the preliminary estimate) to +8 cents (0.4 percent of the preliminary estimate). The average change was less than 1 cent a barrel per month (see Table EN3).

The difference in the monthly, imported refiner acquisition cost ranged from -15 cent (-0.8 percent of the preliminary estimate) to +17 cents (0.9 percent of the preliminary estimate) per barrel change. The average change between preliminary and final monthly data was +1 cent per barrel or 0.05 percent.

The difference in the monthly, composite refiner acquisition cost ranged from -10 cents (-0.5 percent of the preliminary estimate) to +11 cents a barrel change (0.6 percent of the preliminary estimate). The average difference was less than 1 cent per barrel.

- **Form EIA-182, "Domestic Crude Oil First Purchase Report"**

During 1989, the difference in the monthly, domestic crude oil first purchase price between preliminary data published in the *Petroleum Marketing Monthly* (PMM) and final data published in the *Petroleum Marketing Annual* (PMA) ranged from less than 1 cent (0.03 percent of the preliminary estimate) to +17 cents (1 percent of the preliminary estimate). The average difference was 3.5 cents a barrel per month (see Table EN4).

Volume data from the Form EIA-182 are not published in the PMM. They are used, however, in estimating monthly crude oil production published in the *Petroleum Supply Monthly* (PSM). The amount of revision error in the EIA-182 volume data is shown in Table B1 of the PSM.

- **Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."**

During 1989, the difference in the monthly, average FOB (Free On Board) cost of crude oil imports between preliminary data published in the *Petroleum Marketing Monthly* (PMM) and final data published in the *Petroleum Marketing Annual* (PMA) ranged from -25 cents per barrel (-1.4 percent of the preliminary estimate) to +23 cents (1.3 percent of the preliminary estimate). The average change was approximately 2 cents a barrel per month or 0.1 percent of the preliminary estimate (see Table EN5).

The difference in the monthly, average landed cost of crude oil imports ranged from -13 cents (-0.7 percent of the preliminary estimate) to +27 cents (1.5 percent of the preliminary estimate). The average monthly change between preliminary and final data was 10 cents per barrel or 0.6 percent.

Table EN6. 1989 Revision Error: Form EIA-14¹
(Dollars per Barrel)

Date	Refiner Acquisition Costs								
	Domestic			Imported			Composite		
	Preliminary	Final	Difference	Preliminary	Final	Difference	Preliminary	Final	Difference
January	15.50	15.50	-	15.97	16.04	0.07	15.70	15.73	0.03
February	16.11	16.11	-	16.59	16.61	.02	16.31	16.32	.01
March	17.39	17.34	-0.05	17.92	17.77	-.15	17.62	17.52	-.10
April	18.92	18.91	-.01	19.59	19.59	-	19.22	19.22	-
May	19.02	19.01	-.01	19.06	19.05	-.01	19.03	19.03	-
June	18.57	18.56	-.01	18.27	18.27	-	18.44	18.43	-.01
July	18.31	18.32	.01	17.97	17.99	.02	18.16	18.18	.02
August	17.23	17.23	-	17.23	17.23	-	17.23	17.23	-
September	17.70	17.70	-	17.62	17.62	-	17.66	17.66	-
October	18.20	18.20	-	18.29	18.29	-	18.24	18.24	-
November	18.46	18.45	-.01	18.32	18.32	-	18.39	18.39	-
December	19.08	19.16	.08	19.88	20.05	.17	19.43	19.54	.11

¹ "Refiners' Monthly Cost Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual, 1989*.

Table EN7. 1989 Revision Error: Form EIA-182¹
(Dollars per Barrel)

Month	Preliminary	Final	Difference
January	13.79	13.80	.01
February	14.21	14.24	.03
March	15.62	15.65	.03
April	16.87	17.04	.17
May	16.73	16.76	.03
June	16.40	16.42	.02
July	16.26	16.32	.06
August	15.01	15.01	-
September	15.57	15.58	.01
October	16.24	16.25	.01
November	16.27	16.30	.03
December	16.99	17.01	.02

¹ "Domestic Crude Oil First Purchase Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual, 1989*.

Table EN8. 1989 Revision Error: Form EIA-856¹
(Dollars per Barrel)

Month	FOB Cost of Imports			Landed Cost of Imports		
	Preliminary	Final	Difference	Preliminary	Final	Difference
January	14.64	14.67	0.03	15.61	15.68	0.07
February	15.26	15.49	.23	16.14	16.41	.27
March	16.54	16.73	.19	17.24	17.47	.23
April	18.35	18.23	-.12	19.00	18.97	-.03
May	17.76	17.51	-.25	18.46	18.33	-.13
June	16.83	16.80	-.03	17.58	17.61	.03
July	16.65	16.47	-.18	17.51	17.39	-.12
August	16.07	16.12	.05	16.73	16.83	.10
September	16.44	16.49	.05	17.13	17.28	.15
October	17.08	17.10	.02	17.76	17.93	.17
November	17.14	17.34	.20	17.89	18.16	.27
December	18.73	18.80	.07	19.34	19.54	.20

¹ "Monthly Foreign Crude Oil Acquisition Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual, 1989*.

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	HL1	HL1	47
-by seller type	6, 7	8, 9	--
-detailed sales type data	10	10	--
-from 1978 to present	2, 4, 13	--	--
-from 1983 to present	11	3, 5, 12, 14	--
U.S., PAD District, and State			
-by seller type with			
detailed sales type data	28, 29, 30	42	--
U.S. and State	--	--	47
Leaded Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 31	43	--
U.S. and State	--	--	47
Unleaded Regular Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 32	43	--
U.S. and State	--	--	47
Unleaded Midgrade Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 33	43	--
U.S. and State	--	--	47
Premium Motor Gasoline			
U.S. Average or Total	HL1	HL1	47
-by seller type	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data	28, 29, 34	43	--
U.S. and State	--	--	47

Product Guide

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

Product Guide

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

than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

3. **Unleaded Midgrade Gasoline:** Gasoline having an antiknock index (R + M/2) greater than or equal to 88 and less than or equal to 90, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.
4. **Premium Gasoline:** Gasoline having an antiknock index (R + M/2) greater than 90. Includes both *leaded* and *unleaded* premium gasoline.
 - a. **Leaded Premium Gasoline:** Gasoline having an antiknock index (R + M/2) greater than 90, and containing more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.
 - b. **Unleaded Premium Gasoline:** Gasoline having an antiknock index (R + M/2) greater than 90, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

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

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

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

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

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

PAD District: Petroleum Administration for Defense Districts

PAD District I:

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

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

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

PAD District II:

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

PAD District III:

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

PAD District IV:

Colorado, Idaho, Montana, Utah, Wyoming.

PAD District V:

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

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

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

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

Reseller: A firm (other than a refiner) that carries on the trade or business of purchasing refined petroleum products and reselling them without substantially

changing their form to purchasers other than ultimate consumers.

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

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

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

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

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

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

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

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

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

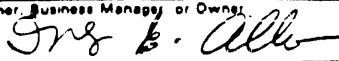
Unit Price: Total revenue derived from the sale of product during the reference month divided by the total volume sold; also known as the weighted average price. Total revenue excludes all taxes but includes

transportation costs that were paid as part of the purchase price.

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

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

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Full Name				Complete Mailing Address			
N/A							
8 Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages or Other Securities (If there are none, so state)							
Full Name				Complete Mailing Address			
N/A							
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C. Total Paid and/or Requested Circulation (Sum of 10B1 and 10B2)				850		888	
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1. Office use, left over, unaccounted, spoiled after printing				0		0	
2. Return from News Agents				0		0	
G. TOTAL (Sum of E, F) and 2—should equal net press run shown in A)				1100		1157	
11 I certify that the statements made by me above are correct and complete				Signature and Title of Editor, Publisher, Business Manager, or Owner Inez E. Allen Management Analyst			
							

NOTICE

18 U.S.C. 1722 Provides as follows:

Whoever knowingly submits to the Postal Service or to any officer or employee of the Postal Service, any false evidence relative to any publication for the purpose of securing the admission thereof at the Second-Class rate, for transportation in the mails, shall be fined not more than \$500.

INSTRUCTIONS TO PUBLISHERS

1. Complete and file one copy of this form with your postmaster on or before October 1. A copy of the completed form should be retained for your records.
2. Include in items 7 and 8, page 1, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting. Also, include in items 7 and 8 the names and addresses of individuals who are stockholders of the corporation which itself is a stockholder or holder of bonds, mortgages or other securities of the publishing corporation when the interests of such individuals are equivalent to 1 percent or more of the total amount of the stock or securities of the publishing corporation.
3. Be sure to furnish all information called for in item 10, page 1, regarding circulation. Show requested circulation in item 10.B. and C. for requestor (DMM section 422.6) publications ONLY. Free circulation of other second-class publications must be shown in item 10.D.
4. Item 11 must be signed.
5. If the publication has second-class entry under the provisions of DMM section 422.2 or 422.6, the Statement of Ownership, Management and Circulation must be published; it must be printed in the second issue nearest to the date Form 3526 is filed.

INSTRUCTIONS TO POSTMASTERS

1. Furnish each publisher not less than 10 days prior to October 1 at least 2 copies of Form 3526 for each of his publications having an original second-class entry at your office.
2. Examine each statement to see that it contains all of the information required by law.
3. Verify that the known office of publication is at address indicated in item 4, page 1 (DMM section 421.3).
4. Compare the information furnished in item 10B2 with information furnished on applicable Form 3541, Statement of Mailing-2nd-Class Pubs Except Requester Publications (DMM 482), or Form 3541-A, Statement of Mailing-Second-Class/Requester Publications (DMM 482), if publication has no additional entry offices. If the publication has additional entry offices, compare information in item 10B2 with the findings of your verification of the publisher's records (DMM section 447.4). Report discrepancies to the Rates and Classification Center (RCC) (See DMM 132).
5. Return incomplete or incorrect statements to the publishers and obtain from them complete and correct statements.
6. The completed form MUST be retained at your office.
7. Obtain a copy of the issue of each publication in which the required statement is published, and verify the correctness of the published statement. File the copy. DO NOT forward it to the RCC. Promptly report to the RCC any instance where a publisher fails to publish a statement, if required.
8. Indicate in blocks below information concerning the conditions of second-class entry shown on second-class authorization on file at your office.
9. Verify that a Form 3526 is filed for every second-class publication which has its office of original entry at your office.

1. The information shown by the publisher in item 1, 3 and 4 on page 1 agrees with the second-class authorization records of this office

YES NO (If "NO" take appropriate action to resolve discrepancies)

<p>2. Authorized Under Section</p> <p>(1) <input type="checkbox"/> DMM 422.2</p> <p>(4) <input type="checkbox"/> DMM 422.3</p> <p>(5) <input type="checkbox"/> DMM 422.4</p> <p>(6) <input type="checkbox"/> DMM 422.5</p> <p>(7) <input checked="" type="checkbox"/> DMM 422.6</p>	<p>3. Rates Applicable</p> <p>(1) <input type="checkbox"/> In Country DMM 411.32</p> <p>(2) <input type="checkbox"/> Special DMM 411.33</p> <p>(3) <input type="checkbox"/> Classroom DMM 411.34</p> <p>(4) <input type="checkbox"/> Science of Agriculture DMM 411.35</p> <p>(5) <input checked="" type="checkbox"/> Regular DMM 411.2</p>	<p>4. Advertising Authorized</p> <p>(1) <input type="checkbox"/> Publisher's Only</p> <p>(2) <input checked="" type="checkbox"/> General</p> <p>(3) <input type="checkbox"/> No Advertising</p>	<p>5. Ownership statement</p> <p>(1) <input type="checkbox"/> File Only</p> <p>(2) <input checked="" type="checkbox"/> File and Publish</p>
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6. Post Office, State and ZIP Code	7. Date	8. Signature of Postmaster
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END

**DATE
FILMED**

01 / 16 / 192

