

# **Petroleum Marketing Monthly**

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**With Data for August 1999**

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# Preface

The *Petroleum Marketing Monthly* (PMM) provides information and statistical data on a variety of crude oils and refined petroleum products. The publication presents 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. Refined petroleum product sales data include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. The Petroleum Division, Office of Oil and Gas, Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the *Petroleum Marketing Monthly*.

## 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 48 to 50 are derived from aggregations of data from Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

## Sections

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

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

The Initial Estimates section contains initial estimates for selected petroleum products. These initial estimates are forecasted based on their own past values as well as present and past values of other related time series. These initial estimates are being published earlier in an effort to respond to customer needs. They are replaced with the preliminary and final prices when they are available.

The publication highlights salient statistics for the United States in the Summary Statistics 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.

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

## Notes on the Tables

- For the crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.
- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use State abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- Sales of leaded gasoline are reported in the Conventional gasoline category by appropriate grade in the Prime Supplier Sales Volumes section, but are excluded from gasoline sales prices and volumes in all other sections of the publication. Leaded gasoline is a component of averages and totals prior to October 1993.
- References to “Refiners” include gas plant operators (see the Glossary for definition of “Gas Plant Operators”). All tables whose titles do not specifically reference “Refiners” contain data from all sellers. “All Sellers” includes refiners, gas plant operators, resellers, and retailers.
- “Prime Supplier” refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category “Retail Outlet” refers to any company-operated outlet selling gasoline, on-highway low-sulfur diesel fuel, or propane for on-highway vehicle use (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).

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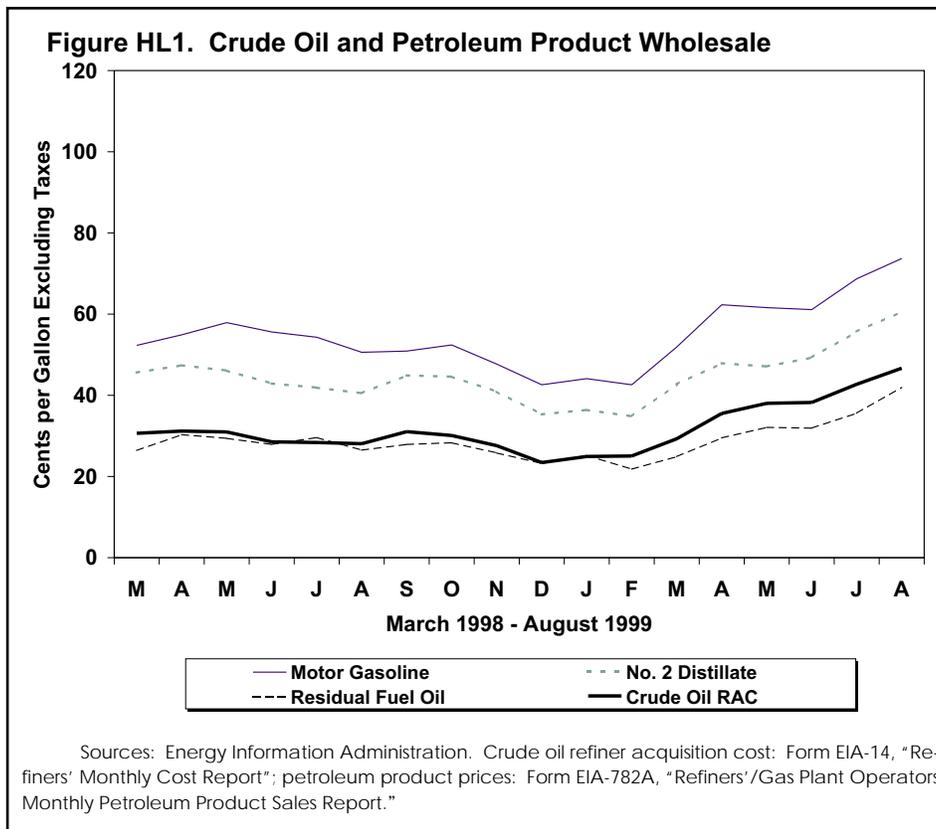
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# Highlights

Continuing the general trend seen since February, world crude oil prices rose during August. While the increases were not as dramatic as those in recent months, the monthly range of prices for key crude oil streams generally reached higher minimum levels. The reduced wellhead output for countries participating in Organization of Petroleum Exporting Countries (OPEC)-sponsored production cuts agreements continued to be the leading factor behind the upward trend in prices. More specifically, data regarding crude oil stocks across the globe indicate inventories are not falling as much as the recent price increase would suggest. Notably, after some talk of easing the revised production quotas, the main architects of the current production cuts agreements, Mexico, Saudi Arabia, and Venezuela, announced their decision to maintain current quota levels through March 2000 after meeting in Caracas, Venezuela on August 28. In addition to that decision, Venezuelan representatives presented the idea of developing a system that would adjust crude oil production rates according to a predetermined band of market prices for benchmark streams. Meeting participants described the plan as in a very early stage, with further examination needed. Data reflecting U.S. imports of crude oil during August show that nearly 42 percent of all foreign crude oil came from these three countries. During the period between January 1997 and August 1999, imports from these sources ranged between a low of 36.7 percent in August 1998 and the high of 53.8 percent in February 1998. International crude oil prices have also received support from Asia in recent months as recovering national economies have spurred demand for product. Prior to the October 1998 economic collapse, market players viewed Asia as

the region with the most potential for significant demand growth.

In the United States, crude oil and finished product prices continued to increase during the last full month of summer. Further, despite rising prices for crude oil, refining margins reached their highest level in two years during the first week of the month, and remained high throughout the rest of August. Ongoing and new refinery problems supported gasoline prices across the nation during the month. Facilities on the West Coast experienced a continuation of the problems that first occurred during July. However, as supplies were replenished and the affected facilities repaired, prices in the region eased back to more typical ranges by the second half of August. A fire in a crude oil pipeline in Texas and problems at several refineries in the Gulf Coast region during the month sustained prices



**Table HL1. U.S. Refiner Prices and Volumes of Petroleum Products**

(Prices: Cents per Gallon Excluding Taxes, Volumes: Million Gallons per Day)

Products	Sales to End Users						Sales for Resale					
	August 1999		July 1999		August 1998		August 1999		July 1999		August 1998	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
<b>Motor Gasoline</b> .....	85.5	63.5	80.6	68.0	66.7	66.9	73.7	307.7	68.7	317.5	50.6	308.4
<b>Conventional</b> .....	81.8	38.6	77.9	42.6	63.9	41.1	70.1	206.0	65.1	211.6	47.3	209.8
Regular .....	78.1	27.3	74.1	29.7	59.8	28.4	68.1	158.3	63.1	161.0	45.0	159.3
Midgrade .....	87.6	6.0	83.3	6.8	69.6	6.5	74.1	15.6	69.1	16.2	51.0	16.5
Premium .....	94.4	5.2	90.4	6.2	76.9	6.2	77.8	32.1	72.6	34.4	56.0	34.1
<b>Oxygenated</b> .....	92.9	1.9	86.1	2.0	70.7	1.9	82.9	6.2	76.7	6.4	57.8	5.6
Regular .....	91.2	1.5	84.4	1.6	68.3	1.5	82.4	4.7	76.2	4.8	56.4	4.3
Midgrade .....	97.4	0.2	90.7	0.2	77.1	0.2	78.9	0.9	73.0	1.0	58.9	0.8
Premium .....	105.1	0.1	97.0	0.2	84.8	0.2	92.4	0.6	86.3	0.6	66.8	0.5
<b>Reformulated</b> .....	91.2	23.1	85.0	23.4	71.2	23.9	81.0	95.5	75.7	99.5	57.6	92.9
Regular .....	87.2	16.0	80.8	16.0	66.2	15.6	78.0	66.5	72.8	68.9	53.8	61.4
Midgrade .....	96.5	3.7	90.5	3.8	76.7	4.0	85.2	10.2	79.3	10.6	62.1	10.9
Premium .....	104.1	3.4	97.7	3.6	84.4	4.2	89.4	18.8	83.9	19.9	66.6	20.6
<b>Aviation Gasoline</b> .....	114.7	0.2	110.0	0.2	95.9	0.2	107.3	0.9	103.0	1.0	91.7	0.7
<b>Kerosene-Type Jet Fuel</b> .....	59.5	50.6	54.6	50.9	43.6	51.5	58.9	14.6	53.6	14.6	42.9	12.4
<b>Propane (Consumer Grade)</b> .....	43.1	4.9	41.1	2.7	33.5	2.4	38.3	30.1	34.6	28.9	25.7	27.7
<b>Kerosene</b> .....	62.4	0.2	58.2	0.1	41.5	0.6	59.3	0.9	53.5	0.8	40.7	0.9
<b>No. 1 Distillate</b> .....	66.5	0.1	59.9	0.1	NA	NA	66.9	0.7	61.8	0.5	51.3	0.4
<b>No. 2 Distillate</b> .....	63.7	23.4	58.3	22.8	45.8	25.0	60.6	113.5	55.7	106.9	40.5	115.8
No. 2 Fuel Oil .....	59.1	2.7	53.6	2.6	43.1	3.7	56.4	20.2	51.4	18.5	36.9	20.9
No. 2 Diesel Fuel .....	64.3	20.7	59.0	20.2	46.3	21.2	61.5	93.3	56.6	88.4	41.4	94.8
Low Sulfur .....	66.3	14.1	61.3	13.8	48.0	14.4	62.1	81.0	57.2	76.3	41.7	80.7
High Sulfur .....	60.1	6.6	53.9	6.4	42.8	6.9	57.8	12.3	52.4	12.1	39.2	14.1
<b>No. 4 Fuel<sup>a</sup></b> .....	50.6	0.3	46.3	0.4	36.2	0.4	49.5	0.1	43.5	0.1	36.0	0.0
<b>Residual Fuel Oil</b> .....	43.6	15.1	36.1	14.7	28.7	17.8	42.0	7.9	35.6	11.3	26.5	16.5
Sulfur Content not > 1 % .....	46.1	3.3	40.5	4.1	32.3	4.8	44.5	4.6	38.2	4.4	26.9	7.2
Sulfur Content > 1 % .....	42.9	11.8	34.5	10.6	27.4	13.0	38.6	3.3	33.9	6.9	26.1	9.2

NA = Not available.

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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."

throughout the country. Further, almost continuous decreases in gasoline supply levels since the beginning of July provided the foundation needed to sustain the highest price levels seen in two years. Data show that U.S. gasoline stocks fell 3.1 percent from July's rate and 6.1 percent from the level seen at this time last year. Distillate prices also benefitted from the same circumstances and from robust natural gas prices. While month-to-month inventory figures show a 2.9 percent increase from July's level, stocks have fallen 5.6 percent from the year-ago rate.

Additional August market and sales activity for crude oil and the principal petroleum products are summarized in the following sections.

## Crude Oil

The daily spot price for West Texas Intermediate (WTI) crude oil at Cushing, Oklahoma climbed to a new long-term high in August, as global wellhead production rates continued to fall. Opening at \$20.52 per barrel, the price dipped to its low of \$20.21 per barrel on August 3 then followed a gradual upward path during the next several weeks. After faltering late in the month due to weekly reports showing rather unfavorable stocks data, the price rebounded. The rise was mainly the result of a combination of fundamental factors including the threat of Hurricane Dennis and the oil producers meeting in Caracas, Venezuela. The closing price, \$22.15 per barrel, marked a new 22-month high.

- Monthly average crude oil prices rose in all categories of sales again during August. The average domestic crude oil first purchase price increased \$1.44 (8.9 percent), to \$17.57 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil increased \$1.52 (8.8 percent), to \$18.76 per barrel. The average landed cost of foreign crude oil rose \$1.36 (7.5 percent), to \$19.42 per barrel.
- The average refiner acquisition cost for domestic crude oil increased \$1.48 (8.2 percent), to \$19.58 per barrel. The average cost of imported crude oil to U.S. refiners climbed \$1.77 (9.9 percent), to \$19.61 per barrel. The composite refiner acquisition cost of crude oil increased \$1.66 (9.3 percent), to \$19.60 per barrel.

## Petroleum Products

### *Motor Gasoline*

The path of the daily spot price for unleaded regular gasoline at New York Harbor was more varied than those of other major products during August. Still responding to the refinery and supply problems on the West Coast, the price continued to rise after opening the month at 61.8 cents per gallon. The price underwent a decline during the second week of the month, mainly due to technical factors. After a period of only small movements, the price dropped to its low of 61.4 cents per gallon on August 25. Rising sharply after that point along with the rest of the complex, the price reached the high of 66.6 cents per gallon on August 30. Closing at 65.4 cents per gallon, the price was 3.6 cents higher than where it started the month.

- As was the case last month, national average gasoline prices increased in all categories of sales during August. The average price for retail sales of motor gasoline by refiners rose 4.9 cents to 85.5 cents per gallon, while the average wholesale price climbed 5.0 cents to 73.7 cents per gallon. Including data reported by a sample of motor gasoline marketers, the national average retail price at company-operated retail outlets rose 5.3 cents to 84.4 cents per gallon. The average wholesale price increased 4.9 cents to 73.7 cents per gallon. The average dealer tank wagon (DTW) price rose 5.6 cents to 81.8 cents per gallon, while the average rack price increased 4.5 cents to 70.8 cents per gallon. The average price for bulk sales

increased 5.0 cents to 65.0 cents per gallon. The difference between reformulated and conventional gasoline prices was 7.7 cents at retail and 9.1 cents at wholesale. The variation between conventional and oxygenated gasoline prices was 6.6 cents at retail and 10.7 cents at wholesale.

- Sales of gasoline by refiners during August show considerable decreases from July levels. Total retail sales declined 14.3 million gallons per day (3.7 percent), to an average of 371.2 million gallons per day. Retail sales fell 4.5 million gallons per day (6.6 percent), while wholesales dropped 9.8 million gallons per day (3.1 percent). Rack sales made up 65.1 percent of wholesales, while DTW and bulk sales accounted for 24.7 percent and 10.2 percent, respectively. Reformulated gasoline (RFG) comprised 32.0 percent of total motor gasoline sales, while oxygenated accounted for 2.2 percent.

### *No. 2 Distillate*

Led by the prices for other products, the daily spot price for No. 2 heating oil rose steadily during August. Opening at 51.4 cents per gallon, the price ebbed to its low of 50.9 cents per gallon on August 3. Gaining readily over the next several weeks, the price experienced a short-lived decrease before reaching its high of 57.6 cents per gallon on the closing day of the month. That price was 6.2 cents above the opening level for August.

- Continuing July's trend, monthly average No. 2 distillate prices remained on an upward path during August. The national average residential price rose 1.5 cents to 83.1 cents per gallon, while the average wholesale price increased 5.0 cents to 61.0 cents per gallon. The average price for No. 2 diesel fuel at company-operated retail outlets climbed 4.9 cents, while the average wholesale price increased 5.0 cents. The difference between low- and high-sulfur diesel fuel prices was 4.2 cents at retail and 3.7 cents at wholesale.
- Unlike sales of gasoline, refiner sales of No. 2 distillate increased during August. Total sales of No. 2 distillate rose 7.2 million gallons (5.6 percent), to 136.9 million gallons per day. Sales of No. 2 fuel oil increased 1.8 million gallons per day (8.5 percent), while sales of No. 2 diesel fuel rose 5.4 million gallons per day (5.0 percent). Low-sulfur diesel fuel accounted for 83.4 percent of all refiner diesel fuel sales and 69.5 percent of all refiner No. 2 distillate sales.

### ***Residual Fuel Oil***

- Like No. 2 distillate, residual fuel oil prices rose in all categories in August. Refiner prices for low-sulfur residual fuel increased 5.6 cents to 46.1 cents per gallon at retail, and 6.3 cents to 44.5 cents per gallon at wholesale. High-sulfur residual fuel prices jumped 8.4 cents to 42.9 cents per gallon at retail, and 4.7 cents to 38.6 cents per gallon at wholesale. Including data reported by the sample of residual fuel oil marketers, the average low-sulfur price climbed 5.9 cents to 45.9 cents per gallon at retail, and by 5.9 cents to 44.1 cents per gallon at wholesale. The average price for high-sulfur residual fuel oil soared 7.4 cents to 42.8 cents per gallon at retail, and 6.0 cents to 40.8 cents per gallon at wholesale.
- Refiner residual fuel oil sales mostly declined in August. Total sales fell 3.0 million gallons per day (11.5 percent), to 23.0 million gallons per day. Low-sulfur residual fuel sales dropped 600,000 gallons per day (7.1 percent), while high-sulfur residual fuel sales declined 2.4 million gallons per day (13.7 percent).

### ***Other Products***

- With the exception of some categories of propane sales, prices for products included in this section rose during August. Refiner propane prices increased 2.0 cents per gallon at retail, and 3.7 cents per gallon at wholesale. Including data from a sample of propane marketers, the average residential propane price declined 2.0 cents per gallon. The average retail price for propane fell 2.4 cents, while the average wholesale price increased 3.8 cents per gallon. Prices for kerosene-type jet fuel, aviation gasoline, kerosene, No. 1 distillate, and No. 4 distillate rose at both retail and wholesale.
- Refiner sales of propane and kerosene increased at both retail and wholesale again in August, while sales of aviation gasoline and No. 4 distillate fell at both levels. Sales of kerosene-type jet fuel fell at retail and remained flat at wholesale. No. 1 distillate sales decreased at retail but rose at wholesale.



# Initial Estimates

## EIA Responds to Customer Requests for More Timely Data

The Energy Information Administration (EIA) is publishing initial estimates for selected petroleum product prices within 3 weeks after the close of the reference month. Historically, estimates for petroleum product prices are published in the *Petroleum Marketing Monthly* approximately two to three months after the close of the reference period. In an effort to respond to customer needs, initial estimates for selected products are being published earlier. These initial estimates are replaced with the preliminary and final prices according to the current schedule.

The initial estimates are forecasted using autoregressive integrated moving average (ARIMA) transfer function models. Transfer function models are ARIMA models which use input data series as predictors. The initial estimates are calculated based on their own past values and present and past values of other related time series, such as spot prices and heating degree-days. At least 5 years of data are used to obtain the forecasts.

**Table IE1. Prices for Selected Crude Oil and Petroleum Products  
by Sales Type and PAD District**  
(Crude Oil in Dollars per Barrel, Products in Cents per Gallon Excluding Taxes)

Products Sales Type Geographic area	1998											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Crude Oil</b>												
<b>Refiner Acquisition Cost</b>												
Domestic .....	15.87	14.77	13.52	13.47	13.52	12.43	12.39	12.45	13.40	13.42	12.49	10.52
Imported .....	14.55	13.41	12.36	12.85	12.66	11.67	11.56	11.34	12.78	12.12	10.99	9.39
Composite .....	15.14	14.03	12.87	13.10	13.01	11.98	11.92	11.79	13.04	12.64	11.59	9.84
<b>Motor Gasoline</b>												
<b>Sales to End Users Through Retail Outlets</b>												
<b>Regular</b>												
U.S. ....	68.6	64.8	62.0	63.4	66.4	65.7	64.0	61.3	60.0	61.1	58.4	53.8
PADD 1 .....	67.1	62.9	59.7	60.6	62.1	62.0	60.1	57.8	56.4	58.6	57.0	52.6
PADD 2 .....	64.5	63.5	62.7	64.7	68.0	66.8	65.6	61.6	60.3	61.0	56.6	50.6
PADD 3 .....	67.0	63.6	60.7	60.6	61.7	61.1	59.6	57.1	55.7	57.5	54.9	50.7
PADD 5 .....	80.9	71.5	65.0	68.3	75.2	73.5	70.7	69.9	68.7	68.7	67.7	66.6
<b>Sales for Resale</b>												
<b>Regular</b>												
U.S. ....	55.3	53.2	50.5	53.1	55.8	53.4	51.9	48.2	48.6	49.8	45.0	39.9
PADD 1 .....	55.9	53.1	50.4	52.6	54.1	51.8	49.9	46.7	47.4	49.3	44.4	39.3
PADD 2 .....	51.9	52.5	50.8	53.8	56.9	54.7	53.1	47.8	48.3	48.9	42.7	37.3
PADD 3 .....	51.7	49.7	47.5	48.9	50.6	48.3	47.0	42.5	43.0	45.5	39.8	34.6
PADD 5 .....	66.0	59.2	54.2	59.1	64.4	60.8	58.8	57.7	57.1	56.7	56.1	53.3
<b>No. 2 Distillate Fuel Oil</b>												
<b>Sales to End Users, Residential</b>												
U.S. ....	92.5	91.5	89.6	87.6	84.8	81.1	77.6	75.5	77.0	78.6	79.9	79.0
PADD 1 .....	93.6	92.7	90.8	88.5	85.8	82.1	78.3	76.1	77.6	79.1	80.5	79.8
PADD 2 .....	82.5	80.6	79.4	79.0	76.3	74.2	72.7	70.8	72.5	73.8	73.1	71.3
PADD 3 .....	66.2	64.7	62.3	63.0	61.2	W	W	55.1	59.8	57.9	55.6	51.9
PADD 5 .....	98.9	95.0	92.8	92.7	90.9	86.3	82.7	84.1	86.5	88.7	89.2	88.4
<b>Sales to End Users Through Retail Outlets<sup>b</sup></b>												
U.S. ....	66.3	63.5	61.6	61.6	61.9	59.1	57.9	56.2	58.1	58.8	56.6	52.4
PADD 1 .....	67.5	64.8	62.7	62.3	62.0	60.0	57.6	55.8	57.4	58.4	56.5	53.1
PADD 2 .....	64.5	62.4	61.1	60.8	60.5	57.7	56.9	54.8	57.5	58.1	55.9	50.9
PADD 3 .....	62.5	60.3	57.8	57.7	58.5	55.7	54.6	52.5	53.9	54.6	52.2	48.9
PADD 5 .....	76.4	70.8	66.4	69.0	70.3	66.5	66.8	67.4	68.4	67.7	66.7	63.8
<b>Sales for Resale</b>												
U.S. ....	51.0	49.6	47.1	48.5	47.3	44.1	42.7	41.3	45.5	45.2	41.8	36.7
PADD 1 .....	51.8	49.9	47.3	47.4	45.8	42.6	41.1	39.2	43.9	43.7	40.6	36.9
PADD 2 .....	48.7	49.3	47.3	49.1	47.9	44.4	43.5	41.9	46.6	46.1	42.3	36.1
PADD 3 .....	49.6	47.7	45.2	45.8	44.5	42.6	40.1	37.8	42.1	42.6	38.7	33.7
PADD 5 .....	54.5	50.9	47.6	53.0	52.1	47.3	47.6	48.9	50.3	49.5	48.9	42.7
<b>Kerosene-Type Jet Fuel</b>												
<b>Sales to End Users</b>												
U.S. ....	52.3	49.9	45.3	46.6	46.7	42.8	43.4	43.6	44.9	46.9	44.0	37.5
PADD 1 .....	51.4	49.9	45.6	46.1	45.9	43.1	43.6	41.6	43.9	46.4	43.7	36.1
PADD 2 .....	52.5	51.3	46.2	47.5	47.3	44.3	44.5	42.5	44.9	47.4	44.4	37.1
PADD 3 .....	49.2	48.1	43.3	44.2	44.1	41.2	41.7	40.1	42.3	44.4	40.8	33.9
PADD 5 .....	54.3	49.5	45.0	47.7	48.3	42.1	43.3	47.5	46.5	48.2	45.4	40.4
<b>Sales for Resale</b>												
U.S. ....	53.4	50.2	45.7	46.6	46.9	43.5	43.8	42.9	44.6	45.8	43.1	36.5
PADD 1 .....	52.8	51.1	46.9	47.4	47.2	44.5	44.8	43.2	44.8	46.8	44.9	36.4
PADD 2 .....	53.1	51.6	47.5	48.7	48.6	46.7	46.1	43.4	46.5	48.4	45.2	37.5
PADD 3 .....	49.9	48.2	43.5	43.6	43.9	41.2	41.1	39.1	41.5	43.2	40.6	33.7
PADD 5 .....	56.8	50.7	46.8	48.5	48.6	43.8	45.9	48.1	47.4	49.1	47.7	42.4
<b>Residual Fuel Oil</b>												
<b>Sales to End Users</b>												
U.S. ....	36.4	33.7	29.8	32.5	32.5	31.7	31.5	29.1	27.7	30.1	30.0	26.4
<b>Sales for Resale</b>												
U.S. ....	32.5	29.5	27.2	30.6	29.6	28.1	29.7	27.0	27.9	28.5	26.3	23.6

See footnotes at end of table.

**Table IE1. Prices for Selected Crude Oil and Petroleum Products  
by Sales Type and PAD District**

(Crude Oil in Dollars per Barrel, Products in Cents per Gallon Excluding Taxes) — Continued

Products Sales Type Geographic area	1999											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep <sup>a</sup>	Oct	Nov	Dec
<b>Crude Oil</b>												
<b>Refiner Acquisition Cost</b>												
Domestic .....	10.96	10.97	12.29	15.05	16.59	16.30	18.10	19.58	<b>21.60</b>			
Imported .....	10.16	10.22	12.31	14.85	15.57	15.91	17.84	19.61	<b>21.68</b>			
Composite .....	10.47	10.52	12.30	14.92	15.97	16.06	17.94	19.60	<b>21.64</b>			
<b>Motor Gasoline</b>												
<b>Sales to End Users Through Retail Outlets</b>												
<b>Regular</b>												
U.S. ....	53.4	51.6	59.3	72.1	71.9	70.2	75.5	80.8	<b>83.4</b>			
PADD 1 .....	51.1	49.1	53.9	64.7	66.4	65.6	70.5	76.8	<b>80.2</b>			
PADD 2 .....	51.8	49.8	59.5	68.5	69.2	69.0	74.0	78.3	<b>83.6</b>			
PADD 3 .....	49.5	48.4	54.6	64.6	65.6	64.5	69.7	74.5	<b>78.6</b>			
PADD 5 .....	65.8	63.8	74.3	101.9	93.5	85.8	92.5	98.1	<b>92.9</b>			
<b>Sales for Resale</b>												
<b>Regular</b>												
U.S. ....	41.6	40.1	49.6	59.7	58.8	59.0	66.4	71.3	<b>72.1</b>			
PADD 1 .....	40.6	38.7	46.2	55.1	55.5	55.4	62.2	68.0	<b>71.5</b>			
PADD 2 .....	40.3	38.2	49.0	57.4	57.3	57.3	64.2	68.7	<b>73.0</b>			
PADD 3 .....	36.8	35.7	43.4	51.3	51.9	52.3	59.9	65.5	<b>66.1</b>			
PADD 5 .....	51.8	51.2	65.5	86.0	76.6	76.3	85.8	87.4	<b>77.7</b>			
<b>No. 2 Distillate Fuel Oil</b>												
<b>Sales to End Users, Residential</b>												
U.S. ....	80.4	79.8	80.9	82.9	82.1	80.8	81.6	83.1	<b>85.2</b>			
PADD 1 .....	81.3	80.5	81.4	83.1	82.3	81.0	81.6	82.8	<b>85.0</b>			
PADD 2 .....	71.7	71.1	73.8	76.5	75.3	74.4	77.9	82.5	<b>86.3</b>			
PADD 3 .....	53.8	51.0	52.2	NA	59.5	NA	65.0	70.1	<b>67.6</b>			
PADD 5 .....	87.1	87.1	93.6	104.3	101.1	103.2	103.0	NA	<b>92.8</b>			
<b>Sales to End Users Through Retail Outlets<sup>b</sup></b>												
U.S. ....	51.5	50.3	55.0	63.2	63.0	63.6	68.8	73.7	<b>77.1</b>			
PADD 1 .....	52.4	50.7	54.1	60.2	60.2	60.5	66.1	69.9	<b>74.3</b>			
PADD 2 .....	50.6	49.1	54.1	62.5	62.3	62.3	67.7	73.0	<b>77.5</b>			
PADD 3 .....	47.7	47.0	50.6	57.7	58.3	58.2	63.1	67.6	<b>72.4</b>			
PADD 5 .....	61.7	61.8	70.0	82.3	77.8	83.7	86.4	90.6	<b>87.2</b>			
<b>Sales for Resale</b>												
U.S. ....	37.7	36.0	43.3	48.2	47.4	49.9	56.0	61.0	<b>63.6</b>			
PADD 1 .....	38.2	36.0	41.7	46.1	45.0	45.9	52.7	57.4	<b>62.5</b>			
PADD 2 .....	37.4	35.7	43.4	49.6	48.1	48.9	55.4	61.3	<b>67.2</b>			
PADD 3 .....	35.1	32.9	39.2	43.5	43.3	44.3	51.6	56.6	<b>59.9</b>			
PADD 5 .....	41.2	41.5	54.8	59.0	57.3	67.9	69.0	72.7	<b>67.6</b>			
<b>Kerosene-Type Jet Fuel</b>												
<b>Sales to End Users</b>												
U.S. ....	37.8	36.3	39.4	48.3	46.8	50.6	54.6	59.5	<b>63.1</b>			
PADD 1 .....	36.3	34.9	38.8	45.7	45.5	NA	52.7	58.1	<b>62.1</b>			
PADD 2 .....	37.8	36.0	39.4	46.8	46.3	NA	53.9	59.4	<b>62.7</b>			
PADD 3 .....	35.3	33.9	36.9	43.6	42.7	43.6	50.3	55.2	<b>59.0</b>			
PADD 5 .....	40.6	39.3	41.2	54.6	50.9	60.7	59.6	63.2	<b>66.3</b>			
<b>Sales for Resale</b>												
U.S. ....	36.9	35.0	39.3	46.9	47.2	49.3	53.6	58.9	<b>62.6</b>			
PADD 1 .....	36.9	34.9	39.9	47.3	46.8	47.1	53.2	58.0	<b>62.9</b>			
PADD 2 .....	38.1	36.0	40.3	48.2	47.4	47.6	53.2	59.7	<b>63.7</b>			
PADD 3 .....	34.9	31.8	36.9	42.6	43.0	42.8	50.1	56.2	<b>60.0</b>			
PADD 5 .....	41.9	41.4	42.7	53.5	52.5	59.4	59.8	63.7	<b>66.4</b>			
<b>Residual Fuel Oil</b>												
<b>Sales to End Users</b>												
U.S. ....	28.2	26.7	28.5	31.2	34.2	34.3	36.9	43.5	<b>45.7</b>			
<b>Sales for Resale</b>												
U.S. ....	25.2	21.9	25.2	29.5	33.1	32.6	36.1	42.4	<b>44.5</b>			

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

<sup>b</sup> Includes on-highway diesel fuel only.

Notes: Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-14, "Refiners' Monthly Cost Report," EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."



# **Summary Statistics**

**Table 1. Crude Oil Prices**  
(Dollars per Barrel)

Year Month	Domestic First Purchase Prices	Average F.O.B. <sup>a</sup> Cost of Crude Oil Imports <sup>b</sup>	Average Landed Cost of Crude Oil Imports <sup>b</sup>	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
1978 .....	9.00	13.29	14.35	10.61	14.57	12.46
1979 .....	12.64	20.07	21.45	14.27	21.67	17.72
1980 .....	21.59	32.37	33.67	24.23	33.89	28.07
1981 .....	31.77	35.15	36.47	34.33	37.05	35.24
1982 .....	28.52	32.02	33.18	31.22	33.55	31.87
1983 .....	26.19	27.81	28.93	28.87	29.30	28.99
1984 .....	25.88	27.60	28.54	28.53	28.88	28.63
1985 .....	24.09	25.84	26.67	26.66	26.99	26.75
1986 .....	12.51	12.52	13.49	14.82	14.00	14.55
1987 .....	15.40	16.69	17.65	17.76	18.13	17.90
1988 .....	12.58	13.25	14.08	14.74	14.56	14.67
1989 .....	15.86	16.89	17.68	17.87	18.08	17.97
1990 .....	20.03	20.37	21.13	22.59	21.76	22.22
1991 .....	16.54	16.89	18.02	19.33	18.70	19.06
1992 .....	15.99	16.77	17.75	18.63	18.20	18.43
1993 .....	14.25	14.71	15.72	16.67	16.14	16.41
1994 .....	13.19	14.18	15.18	15.67	15.51	15.59
1995 .....	14.62	15.69	16.78	17.33	17.14	17.23
1996 .....	18.46	19.32	20.31	20.77	20.64	20.71
<b>1997</b> .....						
January .....	21.76	21.19	22.21	24.25	23.02	23.59
February .....	19.38	18.99	19.98	22.49	20.88	21.64
March .....	17.83	17.11	18.45	20.57	19.16	19.82
April .....	16.63	16.20	17.52	19.02	17.83	18.35
May .....	17.23	16.81	17.87	19.08	18.55	18.79
June .....	15.88	15.99	17.12	18.31	17.35	17.80
July .....	15.89	16.37	17.27	18.25	17.49	17.84
August .....	16.19	16.68	17.78	18.47	17.96	18.19
September .....	16.41	16.76	17.85	18.48	17.85	18.14
October .....	17.66	17.26	18.51	19.68	18.73	19.17
November .....	16.83	16.12	17.35	19.23	17.88	18.52
December .....	15.04	14.21	15.70	17.92	15.95	16.91
<b>1997</b> .....	<b>17.23</b>	<b>16.94</b>	<b>18.11</b>	<b>19.61</b>	<b>18.53</b>	<b>19.04</b>
<b>1998</b> .....						
January .....	13.48	12.76	14.12	15.87	14.55	15.14
February .....	12.16	11.72	13.11	14.77	13.41	14.03
March .....	11.53	11.08	12.39	13.52	12.36	12.87
April .....	11.64	11.18	12.34	13.47	12.85	13.10
May .....	11.49	11.28	12.24	13.52	12.66	13.01
June .....	10.00	10.17	11.27	12.43	11.67	11.98
July .....	10.46	10.37	11.41	12.39	11.56	11.92
August .....	10.18	10.20	11.29	12.45	11.34	11.79
September .....	11.28	11.75	12.47	13.40	12.78	13.04
October .....	11.32	11.00	11.97	13.42	12.12	12.64
November .....	9.65	9.36	10.48	12.49	10.99	11.59
December .....	8.05	8.18	9.30	10.52	9.39	9.84
<b>1998</b> .....	<b>10.88</b>	<b>10.75</b>	<b>11.84</b>	<b>13.21</b>	<b>12.10</b>	<b>12.57</b>
<b>1999</b> .....						
January .....	8.59	9.15	10.16	10.96	10.16	10.47
February .....	8.58	9.37	10.63	10.97	10.22	10.52
March .....	10.75	11.85	12.92	12.29	12.31	12.30
April .....	12.84	14.14	15.06	15.05	14.85	14.92
May .....	13.84	14.40	15.52	16.59	15.57	15.97
June .....	14.34	15.10	16.10	16.30	15.91	16.06
July .....	16.13	17.24	18.06	18.10	17.84	17.94
August .....	17.57	18.76	19.42	19.58	19.61	19.60
September <sup>c</sup> .....	NA	NA	NA	<sup>E</sup> 21.60	<sup>E</sup> 21.68	<sup>E</sup> 21.64

E = Estimated data.

<sup>a</sup> Free on Board. See Glossary.

<sup>b</sup> 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.

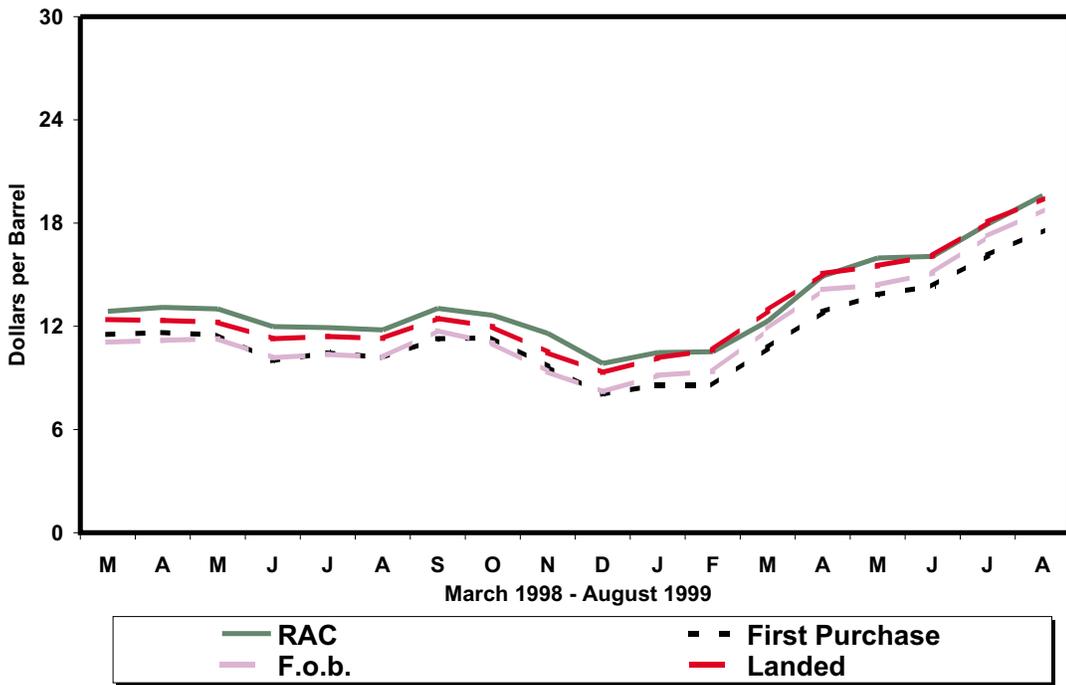
NA = Not available.

<sup>c</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Notes: Values for Domestic First Purchase and Refiner Acquisition for the current 2 months, and for Average F.O.B. and Average Landed for current 3 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 21. Crude oil imports costs -- See "Sources" from Table 24. Refiner acquisition costs -- Energy Information Administration, Form FEA-P110-M-1, "Refiners' Monthly Cost Allocation Report," January 1978 through June 1978; Form ERA-49, "Domestic Crude Oil Entitlements Program Refiners' Monthly Report," July 1978 through December 1980; Form EIA-14, "Refiners' Monthly Cost Report," January 1981 to present.

**Figure 1. Crude Oil Prices**



Sources: Energy Information Administration, 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."

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

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Average		
1978	48.4	51.6	38.7	33.5	42.1	41.0	37.7	40.0	39.6	31.1	29.8
1979	71.3	68.9	54.7	35.7	58.5	57.2	58.5	51.6	55.1	47.9	43.6
1980	103.5	108.4	86.8	48.2	90.2	83.4	81.8	78.8	80.4	68.2	60.7
1981	114.7	130.3	102.4	56.5	112.3	103.9	99.5	91.4	95.8	79.7	75.6
1982	106.0	131.2	96.3	59.2	108.9	102.3	94.2	90.5	92.5	75.0	67.6
1983	95.4	125.5	87.8	70.9	96.1	96.2	82.6	91.6	83.9	76.6	65.1
1984	90.7	123.4	84.2	73.7	103.6	92.7	82.3	91.6	83.7	79.6	68.7
1985	91.2	120.1	79.6	71.7	103.0	88.0	78.9	84.9	79.9	77.3	61.0
1986	62.4	101.1	52.9	74.5	79.0	62.0	47.8	56.0	49.1	48.9	34.3
1987	66.9	90.7	54.3	70.1	77.0	60.4	55.1	58.1	55.6	51.3	42.3
1988	67.3	89.1	51.3	71.4	73.8	56.4	50.0	54.4	50.7	46.1	33.4
1989	75.6	99.5	59.2	61.5	70.9	66.1	58.5	58.7	58.5	51.2	38.5
1990	88.3	112.0	76.6	74.5	92.3	81.9	72.5	73.4	72.6	62.2	44.4
1991	79.7	104.7	65.2	73.0	83.8	74.0	64.8	66.5	65.0	58.0	34.0
1992	78.7	102.7	61.0	64.3	78.8	66.6	61.9	62.7	62.0	52.6	33.6
1993	75.9	99.0	58.0	67.3	75.4	66.6	60.2	60.2	60.2	50.1	33.7
1994	73.8	95.7	53.4	53.0	66.0	64.0	55.4	57.2	55.6	50.1	35.2
1995	76.5	100.5	54.0	49.2	58.9	62.0	56.0	56.2	56.0	50.5	39.2
1996	84.7	111.6	65.1	60.5	74.0	72.6	68.1	67.3	68.0	60.3	45.5
<b>1997</b>											
January	86.6	113.7	74.4	86.1	88.7	77.3	73.0	75.1	73.3	65.8	49.5
February	85.9	114.9	71.7	66.8	84.8	76.0	71.1	72.5	71.3	59.6	45.2
March	84.0	113.8	61.9	57.3	NA	68.8	65.8	66.4	65.8	54.6	40.3
April	83.9	114.7	60.2	49.7	69.8	66.3	64.8	63.8	64.7	55.9	39.7
May	84.5	115.7	58.9	46.5	68.5	64.2	63.8	62.9	63.7	53.4	40.3
June	83.3	114.6	57.6	46.1	64.5	62.8	60.8	59.2	60.6	52.8	40.1
July	81.5	NA	56.7	47.5	63.1	58.6	59.4	57.3	59.1	50.3	39.6
August	86.8	114.6	59.1	50.5	64.9	61.8	61.8	59.0	61.5	51.6	40.7
September	87.2	115.6	58.2	48.4	63.4	61.1	60.7	58.4	60.4	51.1	41.3
October	84.3	113.9	61.5	52.3	72.9	66.8	64.5	63.2	64.3	55.5	43.9
November	81.6	113.0	61.2	52.2	77.9	70.1	65.2	64.2	65.0	58.2	45.7
December	77.8	107.7	56.3	51.8	75.1	63.8	60.1	59.7	60.1	56.1	40.2
1997	83.9	112.8	61.3	55.2	74.5	68.9	64.2	63.6	64.2	56.5	42.3
<b>1998</b>											
January	73.3	104.3	52.3	48.4	72.3	58.5	54.9	54.1	54.8	50.9	35.3
February	69.0	101.1	49.9	44.7	68.2	57.7	53.3	53.8	53.3	48.7	32.7
March	65.6	98.2	45.3	43.8	65.3	56.0	50.8	53.9	51.1	46.0	28.6
April	67.4	98.6	46.6	41.5	56.7	56.3	52.2	53.0	52.3	43.8	31.7
May	71.0	99.9	46.7	36.2	56.0	53.0	51.9	48.5	51.4	43.6	31.8
June	70.4	99.0	42.8	34.1	46.1	NA	48.7	45.8	48.3	40.8	31.3
July	69.4	98.4	43.4	35.8	47.4	NA	47.6	44.8	47.3	38.4	31.4
August	66.7	95.9	43.6	33.5	41.5	NA	46.3	43.1	45.8	36.2	28.7
September	65.4	94.1	44.9	37.4	46.2	NA	49.5	47.2	49.2	39.9	27.6
October	66.4	95.1	46.9	40.7	50.6	57.9	50.0	47.8	49.7	43.1	29.7
November	64.0	93.2	44.0	42.3	44.6	56.2	47.2	46.7	47.1	43.3	29.3
December	60.0	88.5	37.5	36.2	42.4	50.2	41.9	43.4	42.1	39.4	25.4
1998	67.3	97.2	45.3	40.5	50.2	55.2	49.5	48.1	49.3	42.8	30.2
<b>1999</b>											
January	59.2	87.0	37.8	42.5	47.2	NA	41.4	45.2	42.1	39.4	27.2
February	56.8	85.0	36.3	39.3	46.8	NA	40.3	40.4	40.3	38.6	25.8
March	65.1	89.7	39.4	41.1	50.4	NA	46.0	46.0	46.0	40.2	27.5
April	79.0	101.3	48.3	45.1	48.9	NA	52.5	49.9	52.2	43.5	30.9
May	78.2	103.5	46.8	42.4	49.5	NA	52.1	NA	51.5	NA	34.6
June	75.6	103.3	50.6	38.7	46.3	NA	53.3	NA	52.5	43.1	34.3
July	80.6	110.0	54.6	41.1	58.2	59.9	59.0	53.6	58.3	46.3	36.1
August	85.5	114.7	59.5	43.1	62.4	66.5	64.3	59.1	63.7	50.6	43.6

NA = Not available.

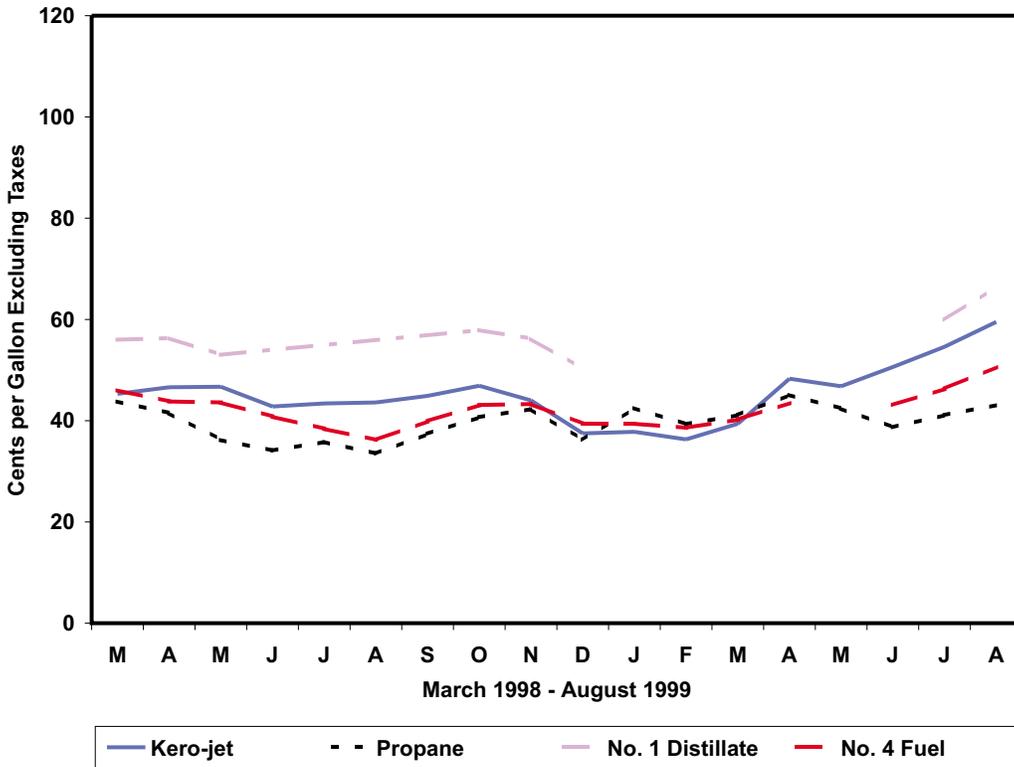
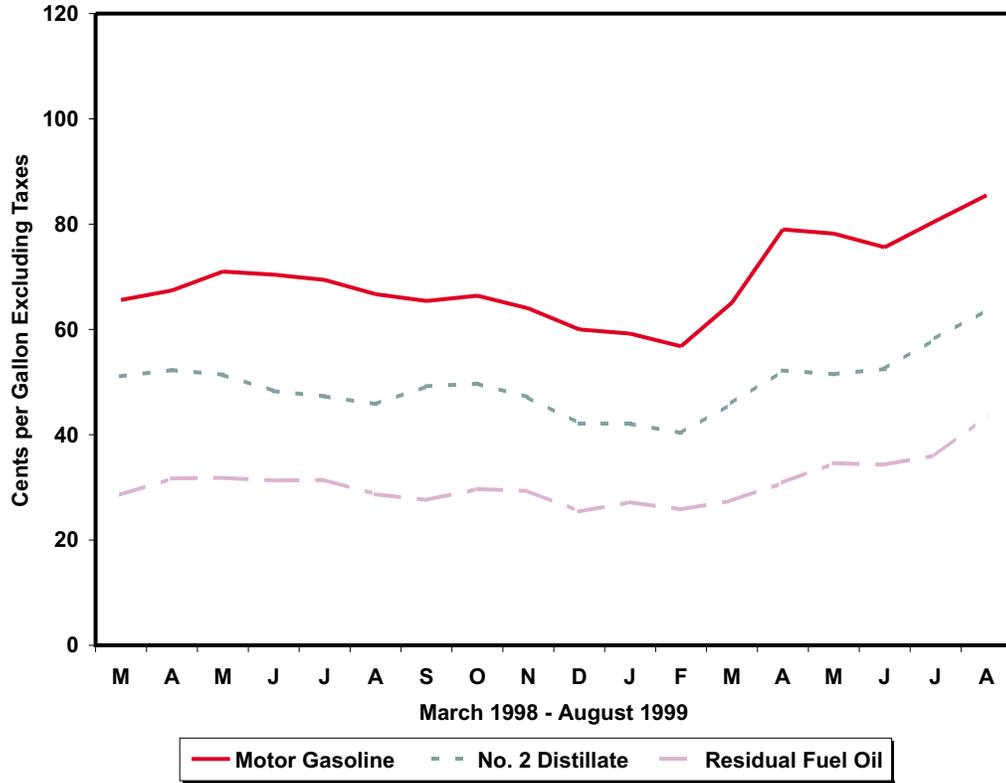
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 2. U.S. Refiner Retail Petroleum Product Prices**



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

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

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
<b>1983</b> .....	51.1	0.4	30.8	3.1	0.2	0.5	23.3	3.7	27.0	0.7	28.3
<b>1984</b> .....	57.6	0.3	32.9	3.3	0.3	0.5	26.3	4.9	31.2	0.7	32.9
<b>1985</b> .....	57.5	0.3	34.6	3.7	0.3	0.5	25.0	5.0	29.9	0.5	25.2
<b>1986</b> .....	61.2	0.3	35.1	3.4	0.3	0.4	24.4	4.4	28.8	0.7	31.6
<b>1987</b> .....	61.0	0.2	36.8	3.8	0.3	0.4	24.1	4.5	28.5	0.8	29.0
<b>1988</b> .....	61.0	0.2	38.2	4.3	0.3	0.4	24.5	4.6	29.1	1.1	30.2
<b>1989</b> .....	61.2	0.2	40.1	2.8	0.3	0.5	24.3	4.5	28.8	0.9	30.4
<b>1990</b> .....	60.3	0.2	39.9	2.7	0.2	0.5	22.2	3.6	25.9	0.8	25.9
<b>1991</b> .....	61.2	0.2	38.5	3.1	0.2	0.5	21.1	3.2	24.4	0.7	24.0
<b>1992</b> .....	59.0	0.2	39.8	3.8	0.2	0.5	21.5	3.1	24.6	0.6	22.4
<b>1993</b> .....	57.2	0.2	41.7	3.5	0.2	0.4	20.8	2.9	23.8	0.6	17.2
<b>1994</b> .....	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
<b>1995</b> .....	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
<b>1996</b> .....	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
<b>1997</b>											
January .....	54.4	0.1	46.0	3.2	0.5	0.8	22.0	3.8	25.9	0.6	13.8
February .....	57.3	0.1	47.8	3.7	0.4	0.6	22.3	2.8	25.1	0.4	14.1
March .....	58.4	0.2	48.2	3.3	NA	0.3	22.2	2.6	24.8	0.3	13.6
April .....	58.9	0.2	49.1	3.4	0.3	0.2	23.6	2.9	26.5	0.2	11.5
May .....	57.8	0.2	49.8	2.9	0.2	0.2	22.6	2.7	25.2	0.2	10.7
June .....	59.8	0.2	52.0	2.3	0.2	0.2	21.6	2.5	24.1	0.2	12.3
July .....	65.3	NA	51.7	2.1	0.1	0.2	21.6	3.0	24.6	0.3	13.5
August .....	64.8	0.2	52.0	2.3	0.2	0.2	20.9	3.0	23.9	0.2	12.1
September .....	63.7	0.2	51.3	3.1	0.3	0.2	23.1	2.9	26.0	0.2	12.6
October .....	64.4	0.2	49.8	3.5	0.2	0.3	23.1	3.1	26.2	0.3	15.1
November .....	62.3	0.1	48.9	3.8	0.3	0.4	20.5	3.1	23.7	0.4	14.4
December .....	66.0	0.1	49.7	4.4	0.3	0.6	20.9	3.5	24.4	0.4	17.5
<b>1997</b> .....	<b>61.1</b>	<b>0.2</b>	<b>49.7</b>	<b>3.2</b>	<b>0.3</b>	<b>0.4</b>	<b>22.0</b>	<b>3.0</b>	<b>25.0</b>	<b>0.3</b>	<b>13.4</b>
<b>1998</b>											
January .....	59.9	0.1	47.2	4.6	0.3	0.7	20.4	3.4	23.8	0.4	15.5
February .....	62.3	0.1	47.9	4.9	0.3	0.6	21.1	3.0	24.1	0.4	13.5
March .....	64.3	0.1	47.6	4.1	0.3	0.4	22.3	2.6	24.9	0.4	15.5
April .....	64.7	0.2	48.6	3.0	0.2	0.3	21.3	2.4	23.6	0.3	14.4
May .....	65.6	0.2	49.4	2.3	0.1	0.3	20.5	3.2	23.7	0.3	13.2
June .....	66.8	0.2	51.3	2.2	0.3	NA	22.6	3.8	26.5	0.3	13.8
July .....	67.3	0.2	51.7	1.9	0.3	NA	22.8	3.1	25.9	0.4	16.0
August .....	66.9	0.2	51.5	2.4	0.6	NA	21.2	3.7	25.0	0.4	17.8
September .....	65.2	0.2	48.0	2.3	0.4	NA	22.4	3.3	25.7	0.3	13.0
October .....	65.1	0.2	50.6	2.7	0.3	0.4	22.0	3.4	25.4	0.2	14.0
November .....	63.7	0.1	45.6	2.7	0.7	0.5	20.2	3.3	23.5	0.3	14.2
December .....	65.4	0.1	47.7	4.4	0.7	0.6	20.6	3.4	24.0	0.4	18.1
<b>1998</b> .....	<b>64.8</b>	<b>0.2</b>	<b>48.9</b>	<b>3.1</b>	<b>0.4</b>	<b>0.4</b>	<b>21.4</b>	<b>3.2</b>	<b>24.7</b>	<b>0.3</b>	<b>15.0</b>
<b>1999</b>											
January .....	59.5	0.1	43.2	4.3	0.8	NA	18.7	3.8	22.5	0.5	17.1
February .....	63.6	0.1	46.5	4.5	0.6	NA	21.3	3.9	25.3	0.5	16.2
March .....	63.6	0.1	47.9	4.4	0.4	NA	21.7	3.7	25.4	0.4	14.7
April .....	64.3	0.2	49.0	3.7	0.4	NA	21.6	3.3	24.9	0.2	14.1
May .....	64.5	0.1	50.3	2.3	0.1	NA	20.6	NA	23.7	NA	14.7
June .....	66.2	0.2	51.8	2.2	0.1	NA	21.6	NA	25.0	0.3	11.8
July .....	68.0	0.2	50.9	2.7	0.1	0.1	20.2	2.6	22.8	0.4	14.7
August .....	63.5	0.2	50.6	4.9	0.2	0.1	20.7	2.7	23.4	0.3	15.1

NA = Not available.

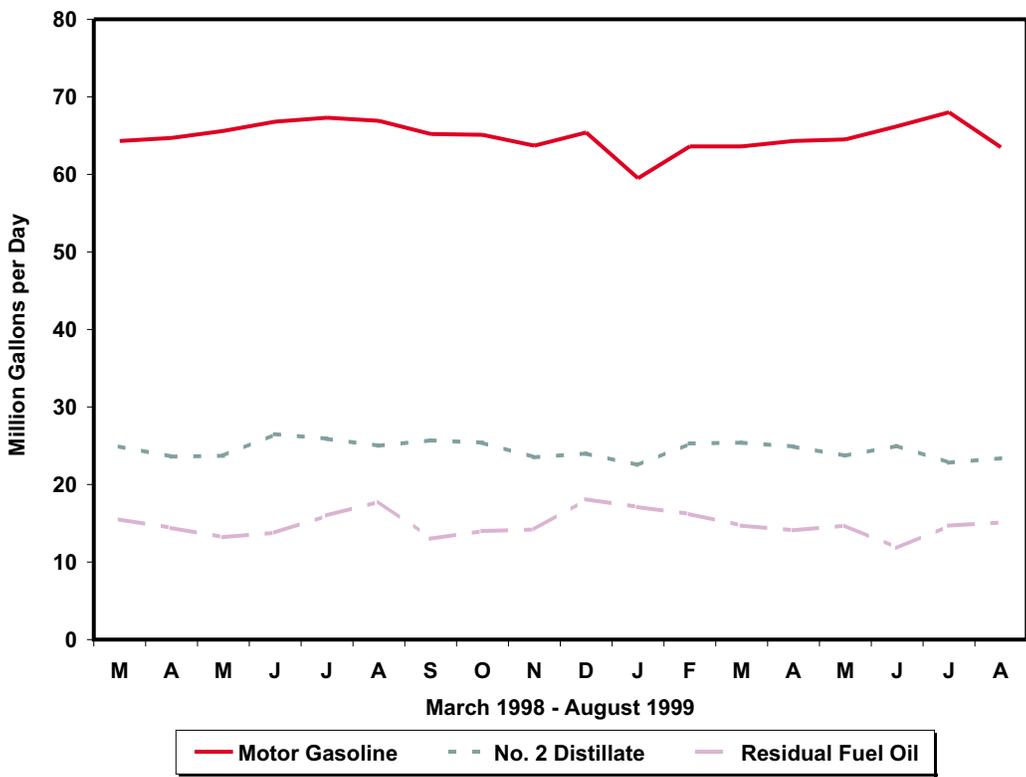
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

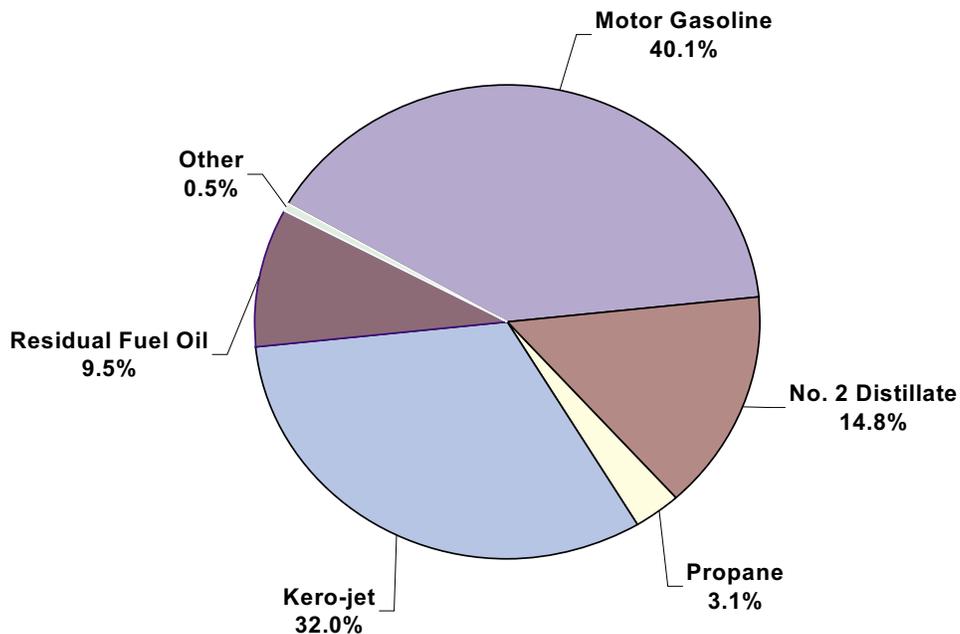
Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

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

**Figure 3. U.S. Refiner Retail Petroleum Product Volumes**



**Percentages of Refiner Retail Volumes**



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

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

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Average		
1978	43.4	53.7	38.6	23.7	40.4	40.6	36.5	36.9	36.7	30.5	26.3
1979	63.7	72.1	66.0	29.1	62.4	58.3	57.4	56.9	57.1	47.0	39.9
1980	94.1	112.8	86.8	41.5	86.4	88.0	80.1	80.3	80.2	67.0	52.8
1981	106.4	125.0	101.2	46.6	106.6	107.1	97.2	97.6	97.4	78.3	66.3
1982	97.3	122.8	95.3	42.7	101.8	103.8	91.4	91.4	91.4	73.7	61.2
1983	88.2	117.8	85.4	48.4	89.2	89.6	80.8	81.5	81.2	72.6	60.9
1984	83.2	116.5	83.0	45.0	91.6	89.2	80.3	82.1	81.3	70.7	65.4
1985	83.5	113.0	79.4	39.8	87.4	86.3	77.2	77.6	77.4	67.2	57.7
1986	53.1	91.2	49.5	29.0	60.6	57.9	45.2	48.6	47.0	40.9	30.5
1987	58.9	85.9	53.8	25.2	59.2	59.9	53.4	52.7	53.1	46.2	38.5
1988	57.7	85.0	49.5	24.0	54.9	54.9	47.3	47.3	47.3	42.5	30.0
1989	65.4	95.0	58.3	24.7	66.9	66.8	56.7	56.5	56.6	48.0	36.0
1990	78.6	106.3	77.3	38.6	83.9	83.8	69.4	69.7	69.5	59.0	41.3
1991	69.9	100.1	65.0	34.9	72.3	73.0	61.5	62.2	61.8	55.6	31.4
1992	67.7	99.1	60.5	32.8	63.2	65.2	59.1	57.9	58.5	49.5	30.8
1993	62.6	96.5	57.7	35.1	60.4	64.6	57.0	54.4	55.9	48.8	29.3
1994	59.9	93.3	53.4	32.4	61.8	61.5	52.9	50.6	52.2	46.2	31.7
1995	62.6	97.5	53.9	34.4	58.0	62.5	53.8	51.1	53.0	46.3	36.3
1996	71.3	105.5	64.6	46.1	71.4	75.1	65.9	63.9	65.3	60.3	42.0
<b>1997</b>											
January	75.0	109.0	73.8	60.2	77.7	78.9	69.8	69.8	69.8	63.7	42.9
February	73.0	108.7	71.5	44.7	73.9	77.2	67.8	64.5	66.6	58.8	39.3
March	71.4	107.9	61.8	41.3	63.5	73.1	62.4	57.7	61.0	53.7	35.8
April	70.4	108.5	60.6	37.7	62.1	70.6	61.7	58.6	61.0	49.7	36.1
May	71.3	108.2	59.4	36.9	60.4	69.8	60.7	58.8	60.2	52.9	35.8
June	68.4	105.9	58.1	36.4	57.4	66.7	56.6	54.5	56.1	47.0	36.7
July	67.5	104.7	56.9	35.9	56.8	63.8	55.8	53.8	55.4	46.0	36.5
August	75.0	109.0	59.1	37.5	60.6	67.6	58.9	55.3	58.1	52.6	38.3
September	72.3	109.0	58.9	39.5	60.2	67.4	57.8	54.3	57.0	54.1	38.7
October	68.5	104.7	61.1	41.1	63.8	72.1	61.7	59.0	61.2	56.8	42.0
November	65.9	102.0	61.3	39.6	62.6	71.0	61.5	58.4	60.7	57.3	43.5
December	61.7	99.1	55.6	37.5	57.8	64.1	55.0	53.4	54.6	49.0	35.6
1997	70.0	106.5	61.3	41.6	65.3	72.3	60.6	59.0	60.2	55.1	38.7
<b>1998</b>											
January	57.6	96.2	53.4	35.4	52.8	57.1	49.6	48.9	49.4	45.9	31.1
February	55.1	92.0	50.2	33.1	51.6	56.4	48.3	47.7	48.1	43.6	28.2
March	52.3	90.4	45.7	31.2	47.6	54.3	45.8	44.9	45.6	37.5	26.4
April	54.9	90.9	46.6	30.3	46.3	57.6	48.2	44.9	47.4	41.7	30.3
May	57.9	94.0	46.9	29.3	45.8	56.4	47.0	43.4	46.1	40.3	29.4
June	55.6	93.7	43.5	26.6	42.9	52.0	43.6	39.9	42.9	36.5	27.9
July	54.3	93.6	43.8	25.7	41.7	50.2	42.6	38.8	41.9	37.5	29.6
August	50.6	91.7	42.9	25.7	40.7	51.3	41.4	36.9	40.5	36.0	26.5
September	50.9	89.8	44.6	26.3	45.9	53.3	45.6	41.8	44.9	36.1	27.9
October	52.4	90.7	45.8	27.6	46.2	53.7	45.5	41.2	44.6	35.3	28.3
November	47.7	77.5	43.1	27.7	44.4	49.4	41.4	38.9	40.9	36.8	25.8
December	42.6	78.9	36.5	25.7	38.8	43.4	35.6	34.6	35.3	30.2	23.2
1998	52.7	90.2	45.0	28.8	46.5	51.4	44.4	42.2	43.9	37.9	27.9
<b>1999</b>											
January	44.1	80.9	36.9	26.5	42.6	46.9	36.5	36.3	36.4	34.4	25.2
February	42.6	78.9	35.0	26.2	38.3	44.7	35.5	33.0	34.8	29.7	21.8
March	51.9	86.8	39.3	26.9	43.9	49.1	43.6	39.7	42.7	32.6	24.9
April	62.3	98.8	46.9	28.6	48.5	56.2	48.7	44.5	47.9	38.2	29.5
May	61.6	97.8	47.2	29.0	45.2	56.7	47.8	43.7	47.1	NA	32.1
June	61.1	95.0	49.3	29.6	46.8	57.0	50.3	44.2	49.3	39.1	31.9
July	68.7	103.0	53.6	34.6	53.5	61.8	56.6	51.4	55.7	43.5	35.6
August	73.7	107.3	58.9	38.3	59.3	66.9	61.5	56.4	60.6	49.5	42.0

NA = Not available.

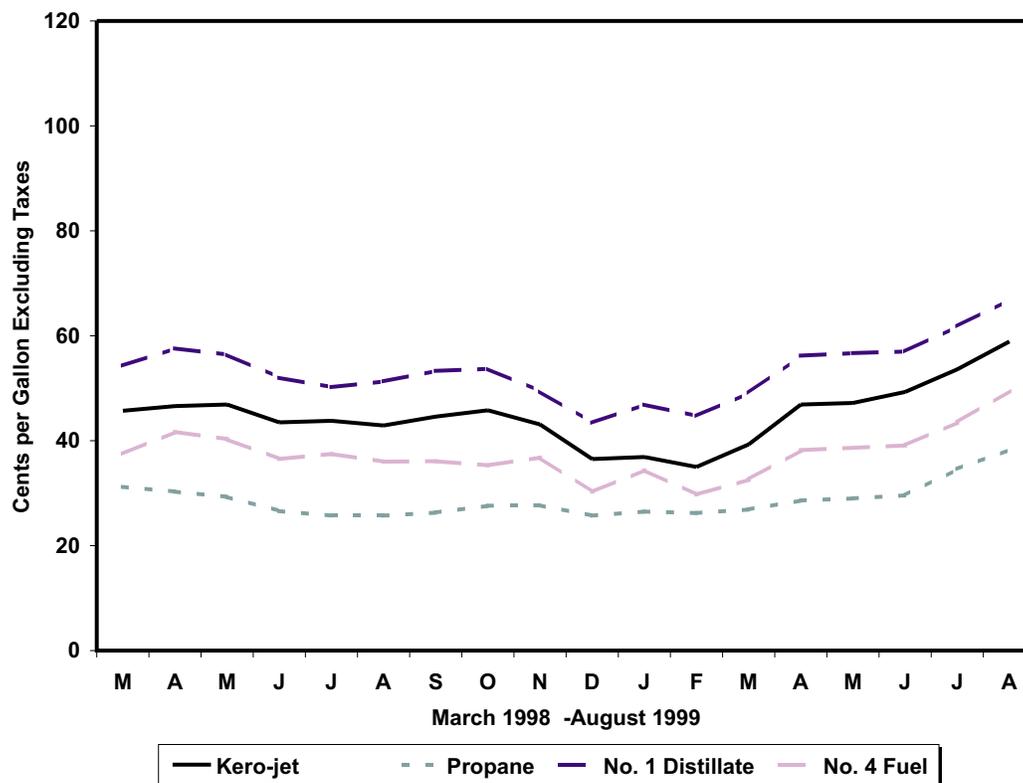
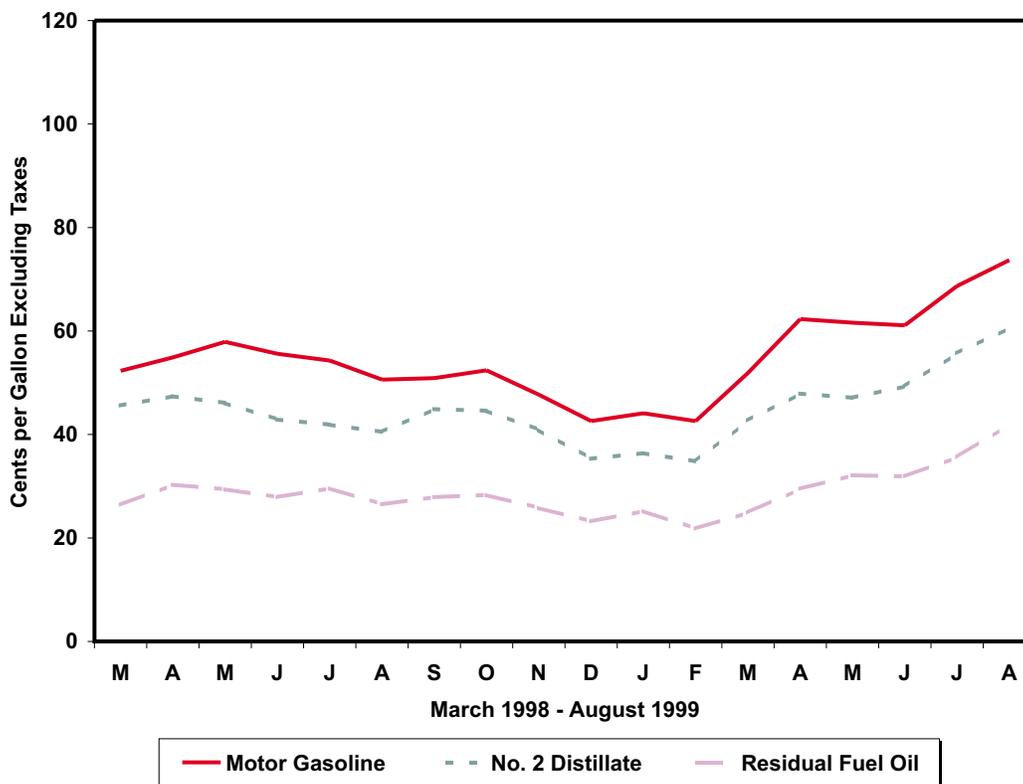
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 4. U.S. Refiner Wholesale Petroleum Product Prices**



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

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

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
<b>1983</b> .....	<b>242.5</b>	<b>0.7</b>	<b>5.4</b>	<b>26.0</b>	<b>2.5</b>	<b>2.4</b>	<b>38.1</b>	<b>47.3</b>	<b>85.5</b>	<b>0.9</b>	<b>20.2</b>
<b>1984</b> .....	<b>246.3</b>	<b>0.8</b>	<b>6.6</b>	<b>26.7</b>	<b>2.2</b>	<b>2.6</b>	<b>42.8</b>	<b>51.4</b>	<b>94.2</b>	<b>1.7</b>	<b>21.3</b>
<b>1985</b> .....	<b>256.9</b>	<b>0.7</b>	<b>7.6</b>	<b>29.2</b>	<b>2.4</b>	<b>2.7</b>	<b>43.3</b>	<b>53.9</b>	<b>97.3</b>	<b>1.2</b>	<b>19.9</b>
<b>1986</b> .....	<b>257.2</b>	<b>0.7</b>	<b>9.2</b>	<b>26.3</b>	<b>2.4</b>	<b>2.5</b>	<b>46.4</b>	<b>53.8</b>	<b>100.3</b>	<b>1.2</b>	<b>18.6</b>
<b>1987</b> .....	<b>257.2</b>	<b>0.8</b>	<b>10.1</b>	<b>27.0</b>	<b>2.3</b>	<b>2.0</b>	<b>44.3</b>	<b>49.3</b>	<b>93.6</b>	<b>1.5</b>	<b>16.9</b>
<b>1988</b> .....	<b>263.7</b>	<b>0.7</b>	<b>10.0</b>	<b>27.7</b>	<b>2.7</b>	<b>2.6</b>	<b>47.8</b>	<b>50.1</b>	<b>97.9</b>	<b>1.2</b>	<b>18.9</b>
<b>1989</b> .....	<b>260.7</b>	<b>0.7</b>	<b>8.6</b>	<b>25.9</b>	<b>2.7</b>	<b>2.7</b>	<b>50.7</b>	<b>46.7</b>	<b>97.5</b>	<b>1.2</b>	<b>21.0</b>
<b>1990</b> .....	<b>264.8</b>	<b>0.7</b>	<b>8.8</b>	<b>25.5</b>	<b>2.2</b>	<b>2.4</b>	<b>51.9</b>	<b>45.9</b>	<b>97.8</b>	<b>0.8</b>	<b>17.9</b>
<b>1991</b> .....	<b>261.3</b>	<b>0.7</b>	<b>8.7</b>	<b>25.4</b>	<b>2.1</b>	<b>2.4</b>	<b>51.5</b>	<b>46.9</b>	<b>98.3</b>	<b>0.4</b>	<b>17.8</b>
<b>1992</b> .....	<b>265.4</b>	<b>0.7</b>	<b>8.0</b>	<b>26.7</b>	<b>2.2</b>	<b>2.3</b>	<b>50.8</b>	<b>48.9</b>	<b>99.7</b>	<b>0.4</b>	<b>15.2</b>
<b>1993</b> .....	<b>266.9</b>	<b>0.6</b>	<b>8.3</b>	<b>27.9</b>	<b>2.3</b>	<b>2.3</b>	<b>58.0</b>	<b>43.6</b>	<b>101.7</b>	<b>0.4</b>	<b>12.6</b>
<b>1994</b> .....	<b>276.7</b>	<b>0.7</b>	<b>9.1</b>	<b>28.4</b>	<b>2.5</b>	<b>1.9</b>	<b>72.4</b>	<b>32.9</b>	<b>105.3</b>	<b>0.4</b>	<b>12.8</b>
<b>1995</b> .....	<b>288.8</b>	<b>0.6</b>	<b>9.9</b>	<b>30.6</b>	<b>2.4</b>	<b>1.7</b>	<b>75.9</b>	<b>31.0</b>	<b>106.9</b>	<b>0.3</b>	<b>13.6</b>
<b>1996</b> .....	<b>293.6</b>	<b>0.6</b>	<b>11.5</b>	<b>32.9</b>	<b>2.7</b>	<b>1.8</b>	<b>83.7</b>	<b>33.1</b>	<b>116.8</b>	<b>0.3</b>	<b>13.8</b>
<b>1997</b>											
January .....	272.8	0.4	11.1	44.9	5.4	4.7	80.8	47.7	128.5	0.5	14.1
February .....	285.4	0.5	10.3	38.4	3.6	2.7	78.7	42.3	121.1	0.4	13.9
March .....	287.1	0.5	10.3	28.1	2.1	1.1	84.4	35.7	120.1	0.3	9.4
April .....	293.0	0.6	9.5	25.8	1.3	0.4	91.1	29.9	121.0	0.3	10.5
May .....	293.3	0.7	9.9	24.8	1.0	0.3	88.6	25.7	114.3	0.1	8.2
June .....	293.5	0.8	10.8	24.3	0.8	0.4	91.2	27.4	118.6	0.2	10.4
July .....	307.9	0.9	10.8	26.6	1.3	0.4	92.1	25.3	117.3	0.1	10.9
August .....	304.0	0.8	12.6	28.7	1.2	0.5	87.0	25.0	112.0	0.2	12.1
September .....	290.4	0.7	10.4	32.4	1.9	0.9	94.0	27.0	121.0	0.1	11.6
October .....	299.6	0.6	11.7	34.7	2.7	1.6	100.0	26.1	126.0	0.1	12.4
November .....	286.4	0.5	13.9	35.8	4.0	3.1	85.9	27.7	113.6	0.1	11.8
December .....	298.4	0.5	14.2	42.5	4.9	3.2	90.2	35.5	125.7	0.3	12.9
<b>1997</b> .....	<b>292.7</b>	<b>0.6</b>	<b>11.3</b>	<b>32.2</b>	<b>2.5</b>	<b>1.6</b>	<b>88.7</b>	<b>31.2</b>	<b>119.9</b>	<b>0.2</b>	<b>11.5</b>
<b>1998</b>											
January .....	279.7	0.4	11.4	38.8	4.4	3.1	84.6	34.3	119.0	0.2	14.0
February .....	285.9	0.5	11.4	38.9	3.9	1.7	84.2	35.3	119.4	0.2	10.2
March .....	291.1	0.6	12.6	33.9	2.9	1.1	88.5	32.0	120.5	0.3	12.7
April .....	310.5	0.7	12.7	29.1	1.7	0.3	89.6	27.3	116.9	0.1	17.4
May .....	311.1	0.7	11.0	25.0	1.1	0.2	87.2	28.6	115.8	0.1	14.5
June .....	323.9	0.8	13.2	28.8	1.3	0.3	101.8	23.5	125.3	0.1	18.2
July .....	321.9	0.9	11.6	26.8	1.1	0.3	100.9	22.0	122.8	NA	19.4
August .....	308.4	0.7	12.4	27.7	0.9	0.4	94.8	20.9	115.8	NA	16.5
September .....	299.2	0.7	10.8	31.8	1.4	0.9	96.6	21.0	117.5	0.1	17.4
October .....	298.7	0.7	13.3	37.7	2.0	1.4	97.2	25.8	123.0	0.1	17.2
November .....	291.1	0.6	15.1	34.2	2.5	2.6	93.6	24.6	118.1	0.2	14.1
December .....	303.6	0.5	13.8	44.0	3.3	3.8	93.5	31.5	125.1	0.2	15.0
<b>1998</b> .....	<b>302.2</b>	<b>0.6</b>	<b>12.4</b>	<b>33.0</b>	<b>2.2</b>	<b>1.4</b>	<b>92.7</b>	<b>27.2</b>	<b>119.9</b>	<b>0.1</b>	<b>15.6</b>
<b>1999</b>											
January .....	265.0	0.4	14.1	47.7	4.6	4.1	83.3	34.8	118.1	0.2	18.0
February .....	290.3	0.5	14.9	36.7	3.1	2.5	91.8	38.0	129.8	0.3	17.6
March .....	304.2	0.6	12.1	36.4	2.6	1.3	97.9	31.1	129.1	0.3	11.3
April .....	312.2	0.7	13.3	28.1	1.0	0.4	98.9	23.6	122.5	0.2	17.0
May .....	313.0	0.7	10.5	25.3	1.1	0.3	98.7	21.0	119.6	NA	9.6
June .....	324.6	1.0	14.0	27.7	0.8	0.3	107.8	21.4	129.2	0.1	10.1
July .....	317.5	1.0	14.6	28.9	0.8	0.5	88.4	18.5	106.9	0.1	11.3
August .....	307.7	0.9	14.6	30.1	0.9	0.7	93.3	20.2	113.5	0.1	7.9

NA = Not available.

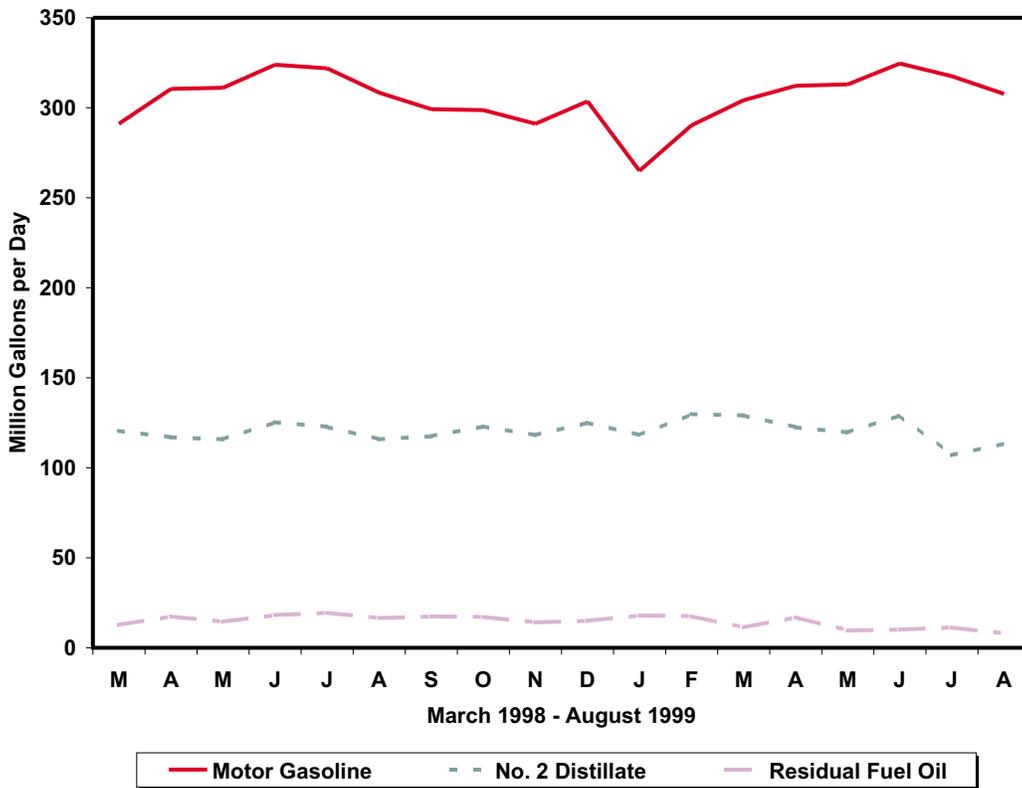
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

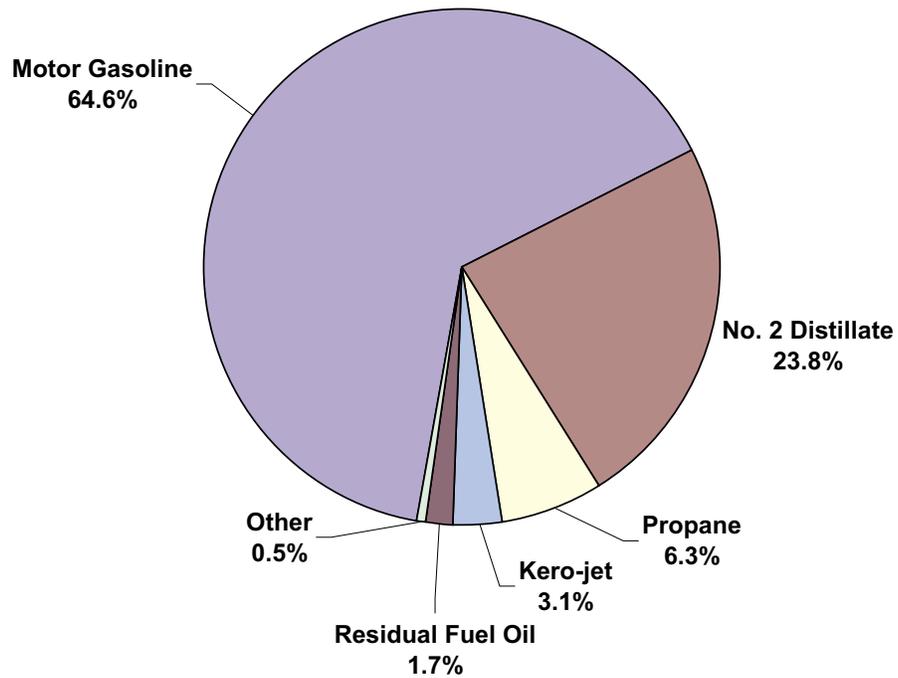
Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

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

**Figure 5. U.S. Refiner Wholesale Petroleum Product Volumes**



**Percentages of Refiner Wholesale Volumes**



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

**Table 6. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1983</b> .....	98.0	97.0	-	-	-	89.5	-	-	-	-	-	-
1984 .....	92.2	91.4	-	-	-	84.2	-	-	-	-	-	-
1985 .....	92.5	91.7	-	-	-	84.3	-	-	-	-	-	-
1986 .....	62.4	61.6	-	-	-	52.2	-	-	-	-	-	-
1987 .....	65.9	65.0	-	-	-	56.9	-	-	-	-	-	-
1988 .....	64.9	64.1	-	-	-	54.8	-	-	-	-	-	-
1989 .....	72.0	71.4	-	-	-	61.8	79.6	79.3	-	-	-	68.6
1990 .....	85.3	84.9	-	-	-	75.8	92.3	92.1	-	-	-	81.4
1991 .....	76.4	76.1	-	-	-	67.2	84.7	84.3	-	-	-	73.3
1992 .....	74.6	74.3	-	-	-	64.5	83.1	82.7	-	-	-	70.8
1993 .....	71.6	71.2	-	-	-	59.3	81.0	80.5	-	-	-	66.0
1994 .....	69.5	68.9	64.6	54.7	50.2	56.6	79.1	78.5	70.4	58.4	NA	63.8
1995 .....	72.3	71.7	68.2	57.6	53.4	59.3	81.3	80.8	73.7	61.9	NA	67.0
1996 .....	81.2	80.7	77.0	67.2	62.2	68.5	90.1	89.6	82.4	70.9	NA	75.9
<b>1997</b>												
January .....	83.0	82.5	77.2	71.9	67.8	72.4	92.4	92.0	82.9	76.1	W	79.1
February .....	82.4	81.9	77.3	69.3	65.8	70.4	91.9	91.5	82.8	73.2	W	77.5
March .....	80.4	79.9	76.6	66.9	64.9	68.7	90.1	89.7	82.3	71.0	74.8	76.0
April .....	80.3	79.7	77.7	65.5	62.4	67.7	89.9	89.6	82.9	69.6	W	75.4
May .....	81.0	80.5	76.5	67.6	62.3	68.6	90.2	89.9	82.3	70.8	W	75.7
June .....	79.7	79.2	74.9	63.9	58.9	65.6	89.1	88.7	80.8	67.2	W	73.0
July .....	77.9	77.4	72.4	63.9	57.9	64.8	87.3	86.9	78.4	67.5	W	71.9
August .....	83.2	82.8	79.2	71.4	66.1	72.2	92.7	92.3	85.4	75.3	W	79.5
September .....	83.6	83.1	81.2	67.1	63.4	69.5	93.2	92.9	87.4	71.0	W	77.9
October .....	80.8	80.3	78.2	63.2	59.6	65.7	90.5	90.1	84.1	67.2	W	74.2
November .....	78.1	77.6	75.1	60.6	56.0	63.1	87.7	87.4	80.9	64.6	W	71.5
December .....	74.1	73.5	70.7	56.3	53.3	58.9	83.9	83.6	76.7	60.7	W	67.4
<b>1997</b> .....	<b>80.3</b>	<b>79.8</b>	<b>76.4</b>	<b>65.6</b>	<b>61.5</b>	<b>67.3</b>	<b>89.8</b>	<b>89.5</b>	<b>82.2</b>	<b>69.4</b>	<b>71.1</b>	<b>74.9</b>
<b>1998</b>												
January .....	69.7	69.2	66.0	52.2	50.4	54.8	78.6	78.2	72.1	56.6	W	63.2
February .....	65.2	64.8	60.4	50.9	48.3	52.5	74.8	74.5	66.3	54.8	W	59.7
March .....	61.7	61.4	55.9	48.4	46.0	49.7	71.2	70.9	62.1	52.3	W	56.4
April .....	63.6	63.3	58.1	51.6	48.5	52.4	73.0	72.7	64.2	55.6	W	59.2
May .....	67.3	67.0	63.1	54.3	49.7	55.3	76.5	76.3	69.0	58.1	W	62.6
June .....	66.7	66.3	62.0	51.6	46.9	52.9	76.2	75.9	68.1	55.4	W	60.6
July .....	65.5	65.1	61.1	50.2	45.5	51.5	75.2	74.9	67.0	53.9	W	59.0
August .....	62.8	62.3	58.8	45.6	41.9	47.6	72.8	72.4	64.8	49.5	W	55.5
September .....	61.5	61.0	57.6	46.5	42.3	48.1	71.4	71.1	63.6	50.3	W	55.6
October .....	62.4	62.0	58.1	48.0	43.5	49.5	72.1	71.8	64.2	52.5	NA	57.2
November .....	59.8	59.3	56.9	42.0	39.5	44.7	70.0	69.7	63.1	46.4	W	53.1
December .....	55.7	55.2	54.0	36.3	33.8	39.5	66.2	65.9	60.4	40.8	W	48.6
<b>1998</b> .....	<b>63.5</b>	<b>63.1</b>	<b>59.4</b>	<b>48.1</b>	<b>45.0</b>	<b>49.9</b>	<b>73.1</b>	<b>72.8</b>	<b>65.4</b>	<b>52.1</b>	<b>NA</b>	<b>57.5</b>
<b>1999</b>												
January .....	54.9	54.4	52.6	38.8	34.9	41.1	64.4	64.2	59.0	43.1	NA	49.6
February .....	52.7	52.1	50.8	37.1	34.8	39.6	62.9	62.6	57.3	41.4	W	47.8
March .....	61.5	61.0	59.1	47.7	42.5	49.2	70.8	70.5	64.8	51.7	W	56.8
April .....	76.0	75.5	NA	57.3	49.0	59.8	84.1	83.8	NA	61.0	NA	68.4
May .....	74.8	74.3	NA	56.5	49.7	58.9	83.7	83.4	NA	60.4	NA	67.5
June .....	71.9	71.5	NA	56.6	51.6	58.6	81.6	81.3	NA	NA	NA	NA
July .....	77.2	76.7	75.1	64.6	60.1	66.2	86.4	86.0	80.4	68.3	W	73.2
August .....	82.3	81.8	81.5	69.1	64.7	71.3	91.6	91.1	86.6	73.1	W	78.5

See footnotes at end of table.

**Table 6. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
1983	108.0	105.7	-	-	-	96.4	96.4	95.4	-	-	-	88.2
1984	102.1	101.5	-	-	-	91.6	91.4	90.7	-	-	-	83.2
1985	103.0	102.3	-	-	-	92.2	92.1	91.2	-	-	-	83.5
1986	74.8	73.7	-	-	-	61.0	63.2	62.4	-	-	-	53.1
1987	79.0	78.4	-	-	-	67.1	67.8	66.9	-	-	-	58.9
1988	79.4	78.8	-	-	-	67.2	68.1	67.3	-	-	-	57.7
1989	87.4	86.8	-	-	-	74.9	76.3	75.6	-	-	-	65.4
1990	99.0	98.5	-	-	-	87.4	88.8	88.3	-	-	-	78.6
1991	91.2	90.7	-	-	-	79.2	80.0	79.7	-	-	-	69.9
1992	92.0	91.4	-	-	-	77.4	79.2	78.7	-	-	-	67.7
1993	89.6	88.9	-	-	-	72.2	76.5	75.9	-	-	-	62.6
1994	87.3	86.5	78.7	64.0	55.6	69.5	74.4	73.8	69.3	56.7	50.9	59.9
1995	89.7	89.0	82.2	67.3	58.3	72.2	77.1	76.5	72.9	59.8	54.0	62.6
1996	97.9	97.2	89.7	76.2	66.9	80.3	85.3	84.7	80.9	69.0	62.7	71.3
<b>1997</b>												
January	101.0	100.2	W	81.7	72.0	84.5	87.2	86.6	81.2	73.8	68.2	75.0
February	100.2	99.6	W	78.6	69.6	82.6	86.5	85.9	81.2	71.0	66.1	73.0
March	98.3	97.6	89.9	76.3	68.5	80.6	84.6	84.0	80.5	68.7	65.3	71.4
April	97.9	97.5	W	75.0	66.5	79.7	84.4	83.9	81.3	67.4	62.8	70.4
May	97.9	97.3	W	76.8	67.9	80.5	85.0	84.5	80.3	69.3	62.8	71.3
June	96.8	96.1	W	73.1	64.9	77.5	83.8	83.3	78.8	65.6	59.7	68.4
July	95.5	94.8	W	73.5	63.6	77.0	82.0	81.5	76.4	65.7	58.4	67.5
August	100.8	100.3	W	81.2	73.9	84.5	87.2	86.8	83.2	73.3	66.9	75.0
September	101.5	101.2	W	76.6	69.0	82.0	87.6	87.2	85.1	68.9	64.0	72.3
October	98.4	97.7	W	72.6	64.1	77.8	84.9	84.3	81.9	65.0	60.2	68.5
November	95.6	94.9	W	69.6	59.0	74.8	82.2	81.6	78.8	62.3	56.4	65.9
December	92.0	91.4	W	65.5	56.8	70.9	78.3	77.8	74.6	58.2	53.8	61.7
1997	97.9	97.3	89.5	74.9	65.8	79.2	84.4	83.9	80.3	67.4	62.0	70.0
<b>1998</b>												
January	87.1	86.5	79.2	61.5	54.5	67.2	73.9	73.3	69.9	54.1	50.8	57.6
February	83.0	82.4	73.7	60.0	51.0	64.4	69.4	69.0	64.4	52.7	48.5	55.1
March	79.4	78.9	69.5	57.6	48.8	61.1	66.0	65.6	60.0	50.3	46.3	52.3
April	81.2	80.6	W	60.9	53.1	63.8	67.8	67.4	62.1	53.5	48.9	54.9
May	84.4	84.0	W	63.7	55.1	66.8	71.4	71.0	66.8	56.1	50.3	57.9
June	84.1	83.6	W	61.1	52.4	64.9	70.8	70.4	65.9	53.5	47.4	55.6
July	83.4	82.9	W	59.6	51.2	63.7	69.9	69.4	65.0	52.1	46.0	54.3
August	80.7	80.0	W	55.3	48.4	60.1	67.2	66.7	62.9	47.5	42.6	50.6
September	79.4	78.7	W	55.9	47.3	59.9	66.0	65.4	61.7	48.4	42.9	50.9
October	80.4	79.9	71.4	57.9	48.8	61.6	66.8	66.4	62.3	50.1	44.2	52.4
November	78.2	77.6	W	51.5	43.9	56.8	64.4	64.0	61.1	44.0	40.1	47.7
December	74.4	73.7	W	45.6	36.6	51.7	60.5	60.0	58.2	38.3	34.2	42.6
1998	81.2	80.6	72.4	57.3	49.0	61.7	67.8	67.3	63.4	50.0	45.5	52.7
<b>1999</b>												
January	72.9	72.3	65.7	48.1	38.5	52.5	59.6	59.2	56.8	40.9	35.5	44.1
February	71.1	70.1	W	46.5	38.6	51.4	57.5	56.8	55.1	39.2	35.4	42.6
March	78.2	77.5	W	56.7	46.9	60.3	65.7	65.1	62.6	49.6	43.0	51.9
April	91.3	90.6	NA	66.5	55.6	71.0	79.5	79.0	NA	59.1	49.7	62.3
May	91.8	91.2	NA	66.1	54.9	70.8	78.7	78.2	NA	58.4	50.3	61.6
June	89.4	88.8	NA	NA	NA	NA	76.0	75.6	NA	58.5	52.1	61.1
July	94.0	93.2	W	73.7	61.8	76.9	81.1	80.6	78.6	66.3	60.4	68.7
August	99.3	98.3	W	78.5	66.2	82.2	86.1	85.5	84.9	70.9	64.9	73.7

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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

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

**Table 7. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1983</b> .....	20.0	23.5	-	-	-	98.3	-	-	-	-	-	-
<b>1984</b> .....	24.3	27.8	-	-	-	106.8	-	-	-	-	-	-
<b>1985</b> .....	26.2	29.9	-	-	-	119.7	-	-	-	-	-	-
<b>1986</b> .....	30.9	34.7	-	-	-	127.0	-	-	-	-	-	-
<b>1987</b> .....	32.7	36.1	-	-	-	141.9	-	-	-	-	-	-
<b>1988</b> .....	34.2	37.3	-	-	-	153.6	-	-	-	-	-	-
<b>1989</b> .....	34.3	36.8	-	-	-	155.7	4.9	5.1	-	-	-	16.4
<b>1990</b> .....	36.7	38.8	-	-	-	174.5	7.4	7.6	-	-	-	23.1
<b>1991</b> .....	38.4	40.4	-	-	-	180.9	7.9	8.2	-	-	-	23.7
<b>1992</b> .....	36.5	38.4	-	-	-	182.2	8.9	9.2	-	-	-	27.5
<b>1993</b> .....	35.6	37.2	-	-	-	184.0	8.7	8.9	-	-	-	27.7
<b>1994</b> .....	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
<b>1995</b> .....	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
<b>1996</b> .....	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
<b>1997</b>												
January .....	35.6	37.6	45.0	122.6	33.7	201.3	8.8	9.1	12.1	15.0	W	27.1
February .....	37.8	39.9	46.7	127.7	38.1	212.6	9.1	9.4	12.4	15.5	W	27.9
March .....	38.4	40.5	47.0	129.9	35.1	212.0	9.3	9.6	12.3	15.5	NA	27.9
April .....	38.5	40.7	47.7	134.5	33.9	216.1	9.3	9.6	12.2	16.1	W	28.3
May .....	38.1	39.8	45.9	135.5	34.2	215.7	9.2	9.5	12.2	16.3	W	28.5
June .....	39.3	41.0	46.1	138.7	29.1	214.0	9.5	9.8	12.3	16.7	W	29.0
July .....	43.2	44.9	45.7	148.0	31.9	225.6	10.4	10.7	12.3	18.0	W	30.3
August .....	43.4	45.1	46.3	144.9	33.2	224.5	10.3	10.5	12.2	17.2	W	29.5
September .....	42.8	44.5	45.2	137.6	33.1	215.9	10.0	10.2	11.6	16.2	W	27.9
October .....	43.2	45.0	45.8	140.6	35.4	221.8	10.1	10.3	11.8	16.8	W	28.6
November .....	41.8	43.3	46.3	132.0	32.3	210.6	9.8	10.0	11.7	15.7	W	27.4
December .....	44.1	45.7	46.8	135.6	37.2	219.6	10.6	10.7	11.8	16.5	W	28.3
<b>1997</b> .....	<b>40.5</b>	<b>42.4</b>	<b>46.2</b>	<b>135.7</b>	<b>33.9</b>	<b>215.8</b>	<b>9.7</b>	<b>10.0</b>	<b>12.1</b>	<b>16.3</b>	<b>NA</b>	<b>28.4</b>
<b>1998</b>												
January .....	39.4	40.8	44.2	124.9	38.5	207.5	9.9	10.1	W	14.8	W	25.8
February .....	41.6	43.0	45.9	129.3	37.1	212.2	9.7	9.9	W	15.2	W	26.4
March .....	42.8	44.3	47.1	132.1	34.6	213.8	9.9	10.1	W	15.8	W	27.1
April .....	43.2	44.7	47.9	138.1	45.0	231.0	10.0	10.2	W	16.0	W	27.3
May .....	43.8	45.3	48.7	139.2	42.7	230.6	10.3	10.5	W	16.0	W	27.6
June .....	44.6	46.0	49.4	147.1	43.8	240.2	10.5	10.7	W	17.1	W	28.8
July .....	44.7	46.1	45.5	150.6	41.3	237.4	10.7	10.8	W	17.7	W	29.0
August .....	44.1	45.6	44.7	144.3	35.9	225.0	10.6	10.7	W	16.9	W	28.1
September .....	42.8	44.3	43.8	140.6	32.9	217.4	10.4	10.6	W	16.4	W	27.3
October .....	42.6	44.2	44.7	141.2	30.7	216.6	10.6	10.8	11.2	16.7	NA	27.9
November .....	41.7	43.1	43.0	135.9	31.0	209.9	10.3	10.5	W	16.1	W	27.0
December .....	42.7	44.0	43.7	141.5	33.6	218.9	10.6	10.7	W	16.5	W	27.5
<b>1998</b> .....	<b>42.8</b>	<b>44.3</b>	<b>45.7</b>	<b>138.8</b>	<b>37.2</b>	<b>221.7</b>	<b>10.3</b>	<b>10.5</b>	<b>11.2</b>	<b>16.3</b>	<b>NA</b>	<b>27.5</b>
<b>1999</b>												
January .....	37.8	39.0	39.4	122.7	27.2	189.3	10.3	10.4	9.7	14.2	NA	23.9
February .....	40.7	42.5	42.9	133.5	32.4	208.8	10.2	10.4	W	15.6	W	26.2
March .....	41.6	43.2	45.1	141.5	35.6	222.2	10.2	10.4	W	16.4	W	27.1
April .....	43.5	45.0	NA	144.1	44.1	235.0	9.9	10.1	NA	15.9	NA	25.9
May .....	43.6	45.0	NA	144.3	43.1	234.2	10.0	10.2	NA	16.1	NA	26.2
June .....	44.7	46.0	NA	154.8	39.5	242.0	10.3	10.5	NA	NA	NA	NA
July .....	45.5	47.3	49.8	155.0	30.0	234.8	10.6	10.8	W	16.7	W	27.8
August .....	43.1	44.8	49.3	153.4	26.8	229.5	9.7	9.9	W	16.0	W	26.7

See footnotes at end of table.

**Table 7. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1983</b> .....	5.0	6.2	-	-	-	28.7	42.3	51.1	-	-	-	242.5
<b>1984</b> .....	8.5	9.2	-	-	-	33.7	50.3	57.6	-	-	-	246.3
<b>1985</b> .....	9.2	10.0	-	-	-	38.0	50.5	57.5	-	-	-	256.9
<b>1986</b> .....	9.0	9.8	-	-	-	45.1	54.2	61.2	-	-	-	257.2
<b>1987</b> .....	11.2	11.6	-	-	-	53.0	55.7	61.0	-	-	-	257.2
<b>1988</b> .....	13.8	14.5	-	-	-	62.4	56.7	61.0	-	-	-	263.7
<b>1989</b> .....	13.5	14.2	-	-	-	60.8	57.5	61.2	-	-	-	260.7
<b>1990</b> .....	11.2	11.7	-	-	-	53.7	57.4	60.3	-	-	-	264.8
<b>1991</b> .....	10.5	10.9	-	-	-	48.3	58.4	61.2	-	-	-	261.3
<b>1992</b> .....	10.3	10.7	-	-	-	51.7	56.4	59.0	-	-	-	265.4
<b>1993</b> .....	10.3	10.6	-	-	-	52.8	54.9	57.2	-	-	-	266.9
<b>1994</b> .....	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
<b>1995</b> .....	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
<b>1996</b> .....	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
<b>1997</b>												
January .....	7.4	7.8	W	24.6	3.5	44.5	51.8	54.4	73.5	162.2	37.2	272.8
February .....	7.7	8.0	W	25.3	2.8	45.0	54.6	57.3	76.0	168.5	40.9	285.4
March .....	8.0	8.3	17.2	26.0	3.9	47.2	55.7	58.4	76.6	171.4	39.1	287.1
April .....	8.1	8.5	W	27.5	3.9	48.7	55.8	58.9	77.1	178.1	37.8	293.0
May .....	8.1	8.6	W	28.2	3.7	49.0	55.4	57.8	75.4	180.0	37.9	293.3
June .....	8.6	9.0	W	28.8	4.4	50.6	57.4	59.8	75.9	184.1	33.5	293.5
July .....	9.3	9.8	W	31.1	3.4	51.9	62.8	65.3	75.4	197.1	35.4	307.9
August .....	8.7	9.1	W	29.4	4.0	50.1	62.5	64.8	75.3	191.5	37.3	304.0
September .....	8.4	8.9	W	27.1	3.8	46.6	61.2	63.7	72.5	180.9	37.0	290.4
October .....	8.7	9.0	W	28.2	4.8	49.2	62.0	64.4	73.9	185.6	40.2	299.6
November .....	8.6	8.9	W	26.8	4.9	48.4	60.3	62.3	74.7	174.5	37.2	286.4
December .....	9.4	9.6	W	28.5	4.9	50.5	64.0	66.0	75.7	180.5	42.1	298.4
<b>1997</b> .....	8.4	8.8	16.9	27.6	4.0	48.5	58.7	61.1	75.1	179.6	38.0	292.7
<b>1998</b>												
January .....	8.8	9.0	W	26.5	W	46.3	58.1	59.9	71.4	166.2	42.0	279.7
February .....	9.2	9.4	W	27.2	W	47.2	60.5	62.3	74.3	171.7	39.9	285.9
March .....	9.7	9.9	W	28.6	W	50.2	62.4	64.3	76.2	176.5	38.4	291.1
April .....	9.5	9.8	W	29.5	W	52.2	62.8	64.7	76.9	183.6	50.1	310.5
May .....	9.6	9.9	W	30.2	W	53.0	63.8	65.6	77.9	185.4	47.8	311.1
June .....	9.8	10.1	W	31.8	W	54.9	64.9	66.8	79.4	195.9	48.6	323.9
July .....	10.1	10.4	W	33.9	W	55.5	65.5	67.3	74.6	202.2	45.1	321.9
August .....	10.2	10.5	W	33.0	W	55.3	64.8	66.9	73.8	194.2	40.4	308.4
September .....	10.0	10.3	W	32.1	W	54.5	63.2	65.2	72.3	189.2	37.8	299.2
October .....	10.0	10.2	17.9	31.8	4.5	54.1	63.2	65.1	73.8	189.7	35.2	298.7
November .....	9.9	10.2	W	31.5	W	54.2	61.9	63.7	71.4	183.5	36.1	291.1
December .....	10.4	10.7	W	34.1	W	57.1	63.7	65.4	72.8	192.1	38.6	303.6
<b>1998</b> .....	9.8	10.0	17.7	30.9	4.4	52.9	62.9	64.8	74.6	185.9	41.7	302.2
<b>1999</b>												
January .....	9.8	10.1	16.1	30.1	5.7	51.9	57.9	59.5	65.2	166.9	32.9	265.0
February .....	10.2	10.6	W	32.5	W	55.3	61.2	63.6	71.1	181.7	37.5	290.3
March .....	9.7	10.0	W	33.2	W	54.9	61.6	63.6	73.2	191.1	39.9	304.2
April .....	8.9	9.2	NA	30.0	5.6	51.3	62.3	64.3	NA	190.0	49.8	312.2
May .....	9.1	9.3	NA	30.7	5.6	52.6	62.7	64.5	NA	191.1	48.7	313.0
June .....	9.5	9.7	NA	NA	NA	NA	64.5	66.2	NA	204.8	45.3	324.6
July .....	9.6	10.0	W	32.5	W	54.9	65.7	68.0	77.8	204.2	35.5	317.5
August .....	8.5	8.8	W	31.0	W	51.5	61.2	63.5	75.9	200.3	31.4	307.7

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

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

**Table 8. U.S. Refiner Conventional Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>68.7</b>	<b>68.1</b>	<b>63.6</b>	<b>54.5</b>	<b>50.0</b>	<b>55.8</b>	<b>78.4</b>	<b>77.8</b>	<b>69.4</b>	<b>NA</b>	<b>NA</b>	<b>62.7</b>
<b>1995</b> .....	<b>71.0</b>	<b>70.4</b>	<b>65.1</b>	<b>57.0</b>	<b>52.5</b>	<b>57.3</b>	<b>80.0</b>	<b>79.4</b>	<b>71.1</b>	<b>61.0</b>	<b>NA</b>	<b>63.7</b>
<b>1996</b> .....	<b>79.7</b>	<b>79.1</b>	<b>74.3</b>	<b>66.5</b>	<b>60.7</b>	<b>66.4</b>	<b>88.4</b>	<b>87.8</b>	<b>80.1</b>	<b>70.0</b>	<b>NA</b>	<b>72.6</b>
<b>1997</b>												
January .....	82.4	81.7	76.7	71.2	66.2	70.8	91.4	90.9	83.1	75.4	–	77.2
February .....	80.7	80.1	74.9	68.5	64.3	68.3	90.1	89.5	81.3	72.3	–	74.5
March .....	78.5	77.9	72.4	66.1	62.7	66.2	88.4	87.9	78.7	70.1	W	72.2
April .....	78.7	77.9	73.1	65.0	60.7	65.2	88.3	87.8	78.8	69.0	–	71.4
May .....	79.6	79.1	73.4	67.3	61.9	67.1	88.7	88.3	79.1	70.3	–	72.5
June .....	78.5	78.0	72.1	63.7	59.1	64.0	87.7	87.2	78.5	66.8	–	69.6
July .....	76.6	76.1	69.7	63.6	57.5	63.3	85.8	85.4	76.2	67.1	–	69.1
August .....	82.0	81.5	75.8	70.8	63.9	70.3	91.1	90.7	81.9	74.4	–	76.1
September .....	80.5	79.9	74.4	66.1	60.8	66.1	89.8	89.4	81.1	69.6	–	72.2
October .....	76.9	76.3	70.2	62.1	57.0	62.0	86.5	86.1	76.7	65.7	–	68.1
November .....	73.9	73.4	66.9	59.3	54.8	59.3	83.2	82.8	73.6	63.1	–	65.4
December .....	69.5	68.9	62.3	55.0	51.7	55.1	78.8	78.5	69.3	59.1	–	61.3
<b>1997</b> .....	<b>78.1</b>	<b>77.5</b>	<b>71.9</b>	<b>64.9</b>	<b>60.0</b>	<b>64.8</b>	<b>87.4</b>	<b>86.9</b>	<b>78.3</b>	<b>68.5</b>	<b>W</b>	<b>70.8</b>
<b>1998</b>												
January .....	65.9	65.3	58.0	50.9	49.1	51.2	74.3	73.8	65.4	55.2	–	57.5
February .....	63.1	62.7	55.6	49.9	47.2	49.9	72.2	71.7	62.1	53.7	–	55.6
March .....	60.8	60.4	52.9	47.7	45.1	47.8	69.9	69.5	59.7	51.5	–	53.3
April .....	62.4	62.1	55.0	50.9	47.0	50.5	71.7	71.3	61.4	54.7	–	56.2
May .....	65.3	64.9	58.3	53.5	48.6	53.0	74.3	74.0	64.3	57.1	–	58.8
June .....	64.8	64.4	57.3	51.0	46.2	50.7	74.1	73.8	63.7	54.5	W	56.6
July .....	63.7	63.2	57.1	49.7	44.8	49.4	73.0	72.7	63.2	53.0	–	55.1
August .....	60.3	59.8	54.7	44.9	40.7	45.0	70.0	69.6	60.8	48.4	–	51.0
September .....	59.0	58.5	53.3	45.7	40.8	45.6	68.6	68.2	59.5	49.3	–	51.4
October .....	60.4	60.0	54.4	47.3	42.4	47.2	69.8	69.4	60.6	51.7	–	53.6
November .....	57.2	56.7	51.8	40.8	37.7	41.3	67.0	66.6	58.4	45.1	–	47.9
December .....	51.9	51.4	46.6	35.0	32.5	35.6	62.1	61.8	53.6	39.4	–	42.3
<b>1998</b> .....	<b>61.2</b>	<b>60.8</b>	<b>54.8</b>	<b>47.3</b>	<b>W</b>	<b>47.4</b>	<b>70.5</b>	<b>70.2</b>	<b>61.2</b>	<b>W</b>	<b>W</b>	<b>53.3</b>
<b>1999</b>												
January .....	51.0	50.6	45.4	37.8	33.5	37.8	60.2	59.9	NA	42.0	–	44.2
February .....	49.0	48.4	43.5	36.1	33.1	36.2	58.9	58.5	50.9	40.2	–	42.4
March .....	57.3	56.8	51.8	46.6	40.2	45.9	66.6	66.3	W	50.4	–	52.0
April .....	69.3	68.9	NA	56.2	47.0	55.2	78.5	78.2	NA	59.8	–	62.3
May .....	69.7	69.3	NA	55.7	48.1	55.1	79.4	79.0	NA	59.3	–	61.9
June .....	68.3	67.9	NA	55.6	48.3	55.2	78.2	77.9	NA	NA	–	NA
July .....	74.7	74.1	69.8	63.5	55.4	63.1	83.8	83.3	76.3	67.2	–	69.1
August .....	78.6	78.1	75.3	68.3	61.4	68.1	88.1	87.6	81.6	72.0	–	74.1

See footnotes at end of table.

**Table 8. U.S. Refiner Conventional Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>86.3</b>	<b>85.5</b>	<b>77.8</b>	<b>63.8</b>	<b>55.5</b>	<b>68.2</b>	<b>73.6</b>	<b>72.9</b>	<b>68.3</b>	<b>56.5</b>	<b>50.7</b>	<b>58.9</b>
<b>1995</b> .....	<b>87.7</b>	<b>86.8</b>	<b>79.0</b>	<b>66.5</b>	<b>56.8</b>	<b>68.4</b>	<b>75.3</b>	<b>74.6</b>	<b>69.3</b>	<b>59.0</b>	<b>53.0</b>	<b>59.8</b>
<b>1996</b> .....	<b>96.0</b>	<b>95.1</b>	<b>86.9</b>	<b>75.5</b>	<b>64.5</b>	<b>76.7</b>	<b>83.4</b>	<b>82.7</b>	<b>77.8</b>	<b>68.2</b>	<b>61.0</b>	<b>68.5</b>
<b>1997</b>												
January .....	99.8	98.6	90.7	81.0	70.1	81.7	86.1	85.4	80.6	73.0	66.5	72.9
February .....	98.3	97.4	88.7	78.0	67.8	79.2	84.5	83.8	78.7	70.3	64.5	70.3
March .....	96.3	95.5	86.3	W	66.6	76.8	82.5	81.8	76.1	67.9	63.0	68.2
April .....	96.4	95.5	86.4	74.5	64.9	75.8	82.6	81.8	76.6	66.8	61.0	67.3
May .....	96.6	95.6	86.4	76.4	66.3	77.5	83.4	82.8	76.9	69.0	62.2	69.1
June .....	95.4	94.6	85.5	72.8	64.9	74.4	82.3	81.7	75.8	65.4	59.7	66.1
July .....	93.9	93.1	83.5	73.1	63.0	74.3	80.5	79.9	73.5	65.4	57.9	65.5
August .....	99.2	98.3	89.3	80.4	71.4	81.1	85.7	85.1	79.3	72.5	64.6	72.4
September .....	98.2	97.5	88.4	75.5	66.0	76.8	84.3	83.7	78.1	67.8	61.2	68.1
October .....	94.5	93.6	84.0	71.5	61.6	72.6	80.8	80.2	73.9	63.8	57.4	64.1
November .....	91.2	90.4	81.0	68.4	56.3	69.3	77.8	77.2	70.8	61.0	55.0	61.3
December .....	87.2	86.4	76.6	64.3	54.7	65.3	73.5	72.9	66.3	56.8	52.0	57.1
<b>1997</b> .....	<b>95.4</b>	<b>94.6</b>	<b>85.6</b>	<b>74.2</b>	<b>64.1</b>	<b>75.3</b>	<b>81.9</b>	<b>81.3</b>	<b>75.6</b>	<b>66.6</b>	<b>60.4</b>	<b>66.8</b>
<b>1998</b>												
January .....	83.0	82.2	72.7	60.4	52.7	61.7	69.8	69.1	62.2	52.8	49.4	53.3
February .....	80.4	79.6	69.1	59.2	49.5	60.3	67.1	66.5	59.4	51.7	47.4	51.9
March .....	78.0	77.3	66.4	56.9	47.0	57.9	64.8	64.3	56.7	49.5	45.2	49.8
April .....	79.7	79.1	68.2	60.4	50.2	60.6	66.4	66.0	58.6	52.7	47.3	52.4
May .....	82.2	81.6	71.0	63.1	53.7	63.5	69.1	68.7	61.8	55.3	49.0	55.1
June .....	82.0	81.3	W	60.6	51.7	61.2	68.8	68.3	60.9	52.9	46.7	52.8
July .....	80.8	80.2	70.2	59.2	50.9	60.2	67.7	67.2	60.9	51.5	45.3	51.6
August .....	77.8	76.9	67.9	54.7	47.8	56.0	64.5	63.9	58.5	46.8	41.4	47.3
September .....	76.5	75.5	66.5	55.3	45.9	56.1	63.2	62.6	57.2	47.6	41.3	47.8
October .....	78.0	77.3	67.8	57.3	46.9	58.1	64.6	64.1	58.2	49.3	42.9	49.5
November .....	75.1	74.3	65.5	50.3	41.6	51.6	61.6	61.0	55.8	42.8	38.2	43.6
December .....	70.2	69.4	60.9	44.4	34.4	45.7	56.5	56.0	50.9	37.1	32.8	37.9
<b>1998</b> .....	<b>78.5</b>	<b>77.7</b>	<b>68.1</b>	<b>56.6</b>	<b>47.5</b>	<b>57.6</b>	<b>65.3</b>	<b>64.8</b>	<b>58.6</b>	<b>49.1</b>	<b>44.3</b>	<b>49.5</b>
<b>1999</b>												
January .....	68.8	68.1	NA	47.3	36.6	47.6	55.6	55.2	49.8	39.9	34.0	40.1
February .....	67.2	66.0	NA	45.6	36.7	46.5	53.6	52.9	48.1	38.1	33.5	38.5
March .....	74.2	73.4	NA	W	43.5	56.1	61.4	60.9	55.7	48.5	40.5	48.0
April .....	86.2	85.5	NA	66.0	52.7	66.1	73.1	72.7	NA	58.0	47.6	57.3
May .....	87.3	86.7	NA	65.5	54.3	66.1	73.7	73.3	NA	57.6	48.7	57.3
June .....	85.8	85.1	NA	65.3	NA	NA	72.4	72.0	NA	57.4	48.8	57.3
July .....	91.5	90.4	83.3	72.9	58.0	72.6	78.6	77.9	73.4	65.3	55.8	65.1
August .....	95.7	94.4	88.5	77.7	62.9	77.8	82.5	81.8	78.8	70.0	61.7	70.1

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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 9. U.S. Refiner Conventional Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>29.7</b>	<b>31.2</b>	<b>36.1</b>	<b>113.5</b>	<b>22.8</b>	<b>172.4</b>	<b>7.6</b>	<b>7.8</b>	<b>10.1</b>	<b>14.6</b>	<b>0.1</b>	<b>24.8</b>
<b>1995</b> .....	<b>24.0</b>	<b>25.3</b>	<b>19.4</b>	<b>105.1</b>	<b>26.0</b>	<b>150.5</b>	<b>6.0</b>	<b>6.3</b>	<b>5.1</b>	<b>13.6</b>	<b>0.1</b>	<b>18.7</b>
<b>1996</b> .....	<b>24.1</b>	<b>25.4</b>	<b>17.8</b>	<b>108.5</b>	<b>27.1</b>	<b>153.4</b>	<b>5.7</b>	<b>5.9</b>	<b>4.4</b>	<b>12.9</b>	<b>NA</b>	<b>17.3</b>
<b>1997</b>												
January .....	20.6	22.0	14.8	98.3	26.4	139.6	4.7	4.9	3.7	11.5	–	15.1
February .....	22.1	23.7	15.4	102.9	31.2	149.5	5.0	5.2	3.8	11.9	–	15.7
March .....	24.0	25.5	16.8	106.4	27.7	150.9	5.5	5.7	4.0	12.2	W	16.2
April .....	25.1	26.9	18.2	111.8	26.9	156.9	5.8	5.9	4.2	12.9	–	17.0
May .....	24.7	26.0	17.7	112.7	26.3	156.7	5.7	5.8	4.2	13.0	–	17.1
June .....	25.6	26.9	17.7	115.4	22.1	155.2	5.9	6.1	4.2	13.3	–	17.4
July .....	27.8	29.1	17.2	123.4	25.2	165.8	6.4	6.6	4.1	14.4	–	18.5
August .....	27.3	28.7	17.3	119.9	24.7	161.9	6.2	6.4	4.0	13.5	–	17.6
September .....	26.4	27.8	16.2	113.1	25.8	155.1	6.0	6.2	3.7	12.7	–	16.5
October .....	26.1	27.5	15.8	113.9	26.7	156.4	6.0	6.1	3.7	13.0	–	16.7
November .....	24.3	25.5	14.7	104.9	25.4	145.1	5.5	5.7	3.5	11.9	–	15.4
December .....	25.1	26.4	14.8	107.4	28.4	150.7	5.8	6.0	3.5	12.6	–	16.1
<b>1997</b> .....	<b>25.0</b>	<b>26.4</b>	<b>16.4</b>	<b>110.9</b>	<b>26.4</b>	<b>153.7</b>	<b>5.7</b>	<b>5.9</b>	<b>3.9</b>	<b>12.7</b>	<b>W</b>	<b>16.6</b>
<b>1998</b>												
January .....	22.8	24.0	14.0	98.7	30.2	142.9	5.5	5.7	3.3	11.2	–	14.4
February .....	24.4	25.5	14.8	102.4	29.7	146.9	5.5	5.7	3.4	11.4	–	14.8
March .....	25.9	27.1	15.6	106.5	27.8	149.9	6.0	6.1	3.5	12.2	–	15.7
April .....	26.5	27.7	16.7	112.4	36.4	165.4	6.1	6.2	3.6	12.4	–	16.0
May .....	27.3	28.5	17.4	112.9	33.0	163.2	6.3	6.4	3.8	12.4	–	16.2
June .....	27.6	28.8	17.7	119.6	35.5	172.8	6.4	6.5	W	13.2	W	17.0
July .....	27.4	28.6	14.4	123.3	30.7	168.4	6.4	6.5	3.5	13.6	–	17.2
August .....	27.2	28.4	14.0	117.2	28.1	159.3	6.3	6.5	3.5	13.0	–	16.5
September .....	25.8	27.0	13.2	113.9	23.6	150.7	6.1	6.3	3.2	12.6	–	15.8
October .....	26.7	27.9	14.1	113.2	22.9	150.2	6.4	6.6	3.4	12.8	–	16.1
November .....	25.6	26.7	12.7	108.1	22.7	143.4	6.1	6.3	3.2	12.2	–	15.3
December .....	25.9	26.9	12.9	112.1	25.0	149.9	6.2	6.4	3.2	12.5	–	15.6
<b>1998</b> .....	<b>26.1</b>	<b>27.3</b>	<b>14.8</b>	<b>W</b>	<b>W</b>	<b>155.3</b>	<b>6.1</b>	<b>6.3</b>	<b>3.4</b>	<b>W</b>	<b>W</b>	<b>15.9</b>
<b>1999</b>												
January .....	22.4	23.3	10.9	96.6	19.2	126.7	6.1	6.2	NA	10.6	–	13.4
February .....	24.6	26.1	11.9	105.4	23.3	140.6	6.1	6.2	3.0	11.9	–	14.9
March .....	25.2	26.4	12.8	113.9	27.1	153.8	6.1	6.2	W	W	–	15.7
April .....	26.9	28.1	NA	117.8	34.7	167.0	6.1	6.3	NA	12.4	–	15.6
May .....	26.7	27.8	NA	116.9	32.3	163.7	6.1	6.2	NA	12.3	–	15.5
June .....	26.8	27.9	NA	124.7	27.5	166.7	6.2	6.3	NA	NA	–	NA
July .....	28.3	29.7	15.7	125.5	19.8	161.0	6.6	6.8	3.5	12.7	–	16.2
August .....	25.9	27.3	15.4	124.0	18.9	158.3	5.8	6.0	3.4	12.2	–	15.6

See footnotes at end of table.

**Table 9. U.S. Refiner Conventional Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>8.5</b>	<b>8.9</b>	<b>16.5</b>	<b>28.0</b>	<b>2.8</b>	<b>47.2</b>	<b>45.8</b>	<b>47.9</b>	<b>62.7</b>	<b>156.0</b>	<b>25.8</b>	<b>244.5</b>
<b>1995</b> .....	<b>6.2</b>	<b>6.4</b>	<b>7.7</b>	<b>25.1</b>	<b>2.9</b>	<b>35.6</b>	<b>36.2</b>	<b>38.0</b>	<b>32.1</b>	<b>143.8</b>	<b>28.9</b>	<b>204.8</b>
<b>1996</b> .....	<b>4.9</b>	<b>5.1</b>	<b>5.8</b>	<b>22.5</b>	<b>2.5</b>	<b>30.8</b>	<b>34.7</b>	<b>36.5</b>	<b>28.1</b>	<b>143.8</b>	<b>29.6</b>	<b>201.5</b>
<b>1997</b>												
January .....	3.9	4.1	4.7	19.2	2.4	26.3	29.2	31.1	23.2	129.0	28.8	181.0
February .....	4.1	4.3	4.9	19.8	2.0	26.7	31.3	33.2	24.1	134.7	33.2	191.9
March .....	4.6	4.8	5.2	W	2.4	28.4	34.1	36.0	26.0	139.3	30.2	195.5
April .....	4.8	5.0	5.5	22.1	2.5	30.1	35.7	37.9	27.9	146.7	29.4	204.0
May .....	4.8	5.0	5.6	22.6	2.1	30.3	35.2	36.9	27.4	148.3	28.4	204.1
June .....	5.1	5.3	5.6	23.0	2.8	31.4	36.5	38.2	27.4	151.7	24.8	204.0
July .....	5.4	5.7	5.5	25.0	1.9	32.4	39.7	41.3	26.8	162.8	27.0	216.6
August .....	5.0	5.2	5.2	23.5	2.6	31.3	38.5	40.2	26.5	156.9	27.3	210.7
September .....	4.8	5.0	4.8	21.7	2.5	29.0	37.3	39.0	24.7	147.5	28.4	200.6
October .....	4.9	5.2	4.9	22.3	2.8	29.9	37.0	38.9	24.4	149.2	29.5	203.0
November .....	4.7	5.0	4.7	20.9	2.7	28.3	34.6	36.1	22.9	137.7	28.2	188.7
December .....	5.1	5.3	4.8	22.2	3.0	30.0	36.0	37.7	23.1	142.2	31.4	196.8
<b>1997</b> .....	<b>4.8</b>	<b>5.0</b>	<b>5.1</b>	<b>21.9</b>	<b>2.5</b>	<b>29.5</b>	<b>35.4</b>	<b>37.2</b>	<b>25.4</b>	<b>145.6</b>	<b>28.9</b>	<b>199.8</b>
<b>1998</b>												
January .....	4.8	5.0	4.6	20.7	2.5	27.7	33.2	34.7	21.8	130.6	32.7	185.1
February .....	5.1	5.3	4.8	21.2	1.7	27.7	35.0	36.5	23.0	135.1	31.4	189.5
March .....	5.6	5.8	5.1	22.7	2.0	29.8	37.5	39.0	24.2	141.4	29.8	195.3
April .....	5.5	5.8	5.3	23.5	3.2	32.0	38.1	39.7	25.5	148.3	39.5	213.4
May .....	5.6	5.8	5.4	24.1	3.2	32.6	39.2	40.7	26.5	149.4	36.2	212.0
June .....	5.7	5.9	W	25.4	W	34.5	39.7	41.2	27.1	158.2	39.1	224.3
July .....	5.8	6.0	5.0	27.1	2.6	34.7	39.6	41.1	22.9	164.1	33.3	220.3
August .....	5.9	6.2	5.0	26.2	2.9	34.1	39.5	41.1	22.4	156.4	31.0	209.8
September .....	5.7	6.0	4.7	25.5	2.6	32.8	37.6	39.2	21.1	152.0	26.2	199.3
October .....	5.8	6.0	4.8	24.8	2.4	32.1	38.9	40.5	22.3	150.8	25.4	198.5
November .....	5.7	5.9	4.5	24.4	3.0	31.9	37.4	38.9	20.4	144.6	25.7	190.7
December .....	6.1	6.3	4.7	26.5	3.5	34.7	38.3	39.6	20.8	151.1	28.4	200.3
<b>1998</b> .....	<b>5.6</b>	<b>5.8</b>	<b>4.9</b>	<b>24.4</b>	<b>2.8</b>	<b>32.1</b>	<b>37.9</b>	<b>39.4</b>	<b>23.2</b>	<b>148.6</b>	<b>31.5</b>	<b>203.3</b>
<b>1999</b>												
January .....	5.7	5.9	NA	23.3	3.7	31.2	34.2	35.5	17.8	130.5	22.9	171.3
February .....	6.0	6.3	4.6	25.2	3.3	33.1	36.7	38.6	19.5	142.5	26.6	188.6
March .....	5.6	5.9	W	W	2.6	33.5	36.9	38.5	20.5	152.8	29.7	203.0
April .....	5.3	5.6	NA	24.1	3.6	32.2	38.4	39.9	NA	154.2	38.3	214.8
May .....	5.3	5.5	NA	24.4	3.4	32.4	38.2	39.6	NA	153.5	35.8	211.7
June .....	5.5	5.7	NA	26.1	NA	NA	38.6	39.9	NA	163.8	31.6	217.8
July .....	5.9	6.2	4.8	25.8	3.8	34.4	40.8	42.6	24.0	164.0	23.6	211.6
August .....	4.9	5.2	4.5	24.5	3.1	32.1	36.7	38.6	23.3	160.7	22.0	206.0

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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

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

**Table 10. U.S. Refiner Oxygenated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>74.3</b>	<b>73.9</b>	<b>66.7</b>	<b>58.6</b>	<b>52.7</b>	<b>63.2</b>	<b>84.3</b>	<b>83.8</b>	<b>72.7</b>	<b>62.2</b>	<b>W</b>	<b>69.6</b>
<b>1995</b> .....	<b>76.7</b>	<b>76.5</b>	<b>70.9</b>	<b>63.0</b>	<b>59.2</b>	<b>66.5</b>	<b>83.4</b>	<b>83.3</b>	<b>75.0</b>	<b>65.9</b>	-	<b>71.3</b>
<b>1996</b> .....	<b>87.0</b>	<b>86.7</b>	<b>78.4</b>	<b>71.8</b>	<b>W</b>	<b>74.6</b>	<b>94.0</b>	<b>93.9</b>	<b>83.2</b>	<b>73.8</b>	-	<b>79.3</b>
<b>1997</b>												
January .....	88.7	88.6	80.0	77.2	-	78.3	99.7	99.7	W	80.3	-	82.7
February .....	91.3	91.1	85.0	77.7	-	80.7	100.9	100.9	W	80.7	-	85.0
March .....	92.4	92.1	86.4	75.4	-	80.4	100.7	100.7	90.9	76.7	-	85.5
April .....	88.7	88.4	82.1	69.4	-	72.3	95.5	95.5	W	70.4	-	75.8
May .....	89.3	89.2	82.5	75.4	-	78.0	96.8	96.8	W	76.2	-	82.1
June .....	88.0	87.8	80.1	71.6	-	74.7	96.0	95.9	W	72.9	-	78.0
July .....	85.0	84.9	75.1	71.1	-	72.5	93.2	93.2	W	72.9	-	76.4
August .....	87.6	87.5	79.9	77.7	-	78.4	96.5	96.4	W	79.5	-	81.8
September .....	91.5	91.3	85.4	75.0	-	78.6	100.0	100.0	W	78.7	-	82.9
October .....	90.2	89.9	84.6	71.8	-	76.0	98.7	98.6	W	74.6	-	79.7
November .....	87.7	87.5	81.7	70.1	-	74.2	97.8	97.8	W	73.2	-	78.6
December .....	83.5	83.4	76.5	64.7	-	68.8	94.7	94.7	W	68.0	-	74.0
<b>1997</b> .....	<b>88.6</b>	<b>88.4</b>	<b>81.6</b>	<b>72.5</b>	-	<b>75.8</b>	<b>98.0</b>	<b>98.0</b>	<b>86.6</b>	<b>75.0</b>	-	<b>80.1</b>
<b>1998</b>												
January .....	78.4	78.3	71.3	59.2	-	63.4	89.1	89.1	76.9	61.0	-	66.9
February .....	70.8	70.7	64.1	57.7	-	60.0	81.0	81.0	70.4	59.7	-	63.6
March .....	65.7	65.6	56.3	55.8	-	56.0	75.8	75.8	63.1	57.1	-	59.6
April .....	66.6	66.6	58.8	57.2	-	57.8	76.0	76.0	W	58.2	-	60.3
May .....	71.7	71.6	64.4	60.4	-	61.8	80.2	80.2	W	61.3	-	64.4
June .....	73.6	73.5	64.7	59.2	-	60.9	82.3	82.3	W	60.3	-	63.4
July .....	72.3	72.2	63.9	58.5	-	60.3	81.2	81.2	W	59.5	-	62.7
August .....	68.4	68.3	61.4	53.6	W	56.4	77.1	77.1	W	W	-	58.9
September .....	67.5	67.4	61.0	53.8	-	56.6	76.5	76.5	W	55.2	-	59.3
October .....	69.6	69.4	60.2	54.0	-	56.1	78.4	78.4	66.9	55.9	-	59.7
November .....	63.0	62.8	58.4	49.5	-	52.6	72.5	72.5	W	50.8	-	55.8
December .....	60.0	59.9	54.8	43.6	-	47.5	69.1	69.1	W	44.8	-	50.8
<b>1998</b> .....	<b>69.1</b>	<b>69.0</b>	<b>61.4</b>	<b>54.6</b>	<b>W</b>	<b>57.0</b>	<b>78.8</b>	<b>78.8</b>	<b>W</b>	<b>W</b>	-	<b>60.1</b>
<b>1999</b>												
January .....	58.9	58.8	53.9	45.9	-	49.0	68.7	68.7	60.3	47.6	-	52.4
February .....	56.2	56.2	50.9	45.8	-	47.9	66.8	66.8	W	47.8	-	51.8
March .....	67.9	67.8	61.2	55.2	-	58.1	77.2	77.2	67.8	56.1	-	60.7
April .....	83.8	83.7	NA	62.5	-	NA	90.1	90.1	NA	63.4	-	68.6
May .....	81.5	81.4	83.0	61.5	-	71.4	87.7	87.7	NA	62.3	-	67.3
June .....	79.8	79.8	NA	60.9	-	69.2	86.1	86.1	NA	61.9	-	NA
July .....	84.4	84.4	87.3	68.0	-	76.2	90.7	90.7	W	68.6	-	73.0
August .....	91.3	91.2	94.0	73.9	-	82.4	97.4	97.4	W	74.1	-	78.9

See footnotes at end of table.

**Table 10. U.S. Refiner Oxygenated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>92.9</b>	<b>92.4</b>	<b>79.9</b>	<b>67.5</b>	<b>56.7</b>	<b>76.5</b>	<b>79.3</b>	<b>78.8</b>	<b>71.5</b>	<b>60.7</b>	<b>53.5</b>	<b>67.5</b>
<b>1995</b> .....	<b>94.6</b>	<b>94.3</b>	<b>84.7</b>	<b>72.4</b>	<b>W</b>	<b>79.1</b>	<b>80.4</b>	<b>80.2</b>	<b>74.2</b>	<b>64.7</b>	<b>59.5</b>	<b>69.1</b>
<b>1996</b> .....	<b>103.7</b>	<b>103.5</b>	<b>90.7</b>	<b>80.0</b>	<b>58.3</b>	<b>85.5</b>	<b>90.2</b>	<b>90.0</b>	<b>81.1</b>	<b>73.1</b>	<b>W</b>	<b>76.8</b>
<b>1997</b>												
January .....	108.5	108.3	93.2	W	—	89.1	92.8	92.6	82.5	78.5	—	80.2
February .....	110.9	110.6	98.1	W	—	91.9	94.9	94.7	87.4	79.0	—	82.6
March .....	111.0	110.6	100.2	82.6	—	92.5	95.5	95.2	89.1	76.3	—	82.5
April .....	104.2	104.2	94.7	W	—	79.9	91.1	90.9	84.0	70.1	—	73.5
May .....	105.5	105.5	98.4	W	—	86.6	91.7	91.6	84.7	76.0	—	79.3
June .....	104.7	104.7	93.2	W	—	82.2	90.4	90.3	81.9	72.3	—	75.8
July .....	101.8	101.8	88.5	W	—	79.6	87.6	87.5	77.0	71.9	—	73.7
August .....	105.1	104.9	92.6	W	—	85.7	90.3	90.1	81.6	78.4	—	79.5
September .....	108.5	108.1	97.7	W	—	87.4	94.0	93.7	87.2	76.2	—	80.1
October .....	107.7	107.2	97.5	W	—	87.0	92.9	92.6	86.7	73.0	—	77.6
November .....	107.3	107.0	95.0	W	—	85.7	91.4	91.1	84.0	71.5	—	76.0
December .....	104.1	104.1	90.3	W	—	80.5	87.5	87.3	79.0	66.0	—	70.8
<b>1997</b> .....	<b>107.3</b>	<b>107.1</b>	<b>95.1</b>	<b>80.5</b>	<b>—</b>	<b>86.4</b>	<b>91.8</b>	<b>91.6</b>	<b>84.0</b>	<b>73.6</b>	<b>—</b>	<b>77.5</b>
<b>1998</b>												
January .....	98.7	98.7	85.3	67.7	—	74.5	82.3	82.2	73.9	60.4	—	65.2
February .....	90.8	90.7	78.5	66.0	—	71.1	74.4	74.3	66.8	58.8	—	61.7
March .....	84.5	84.5	70.8	62.9	—	66.9	68.4	68.4	59.1	56.7	—	57.7
April .....	85.1	85.1	75.1	W	—	67.7	69.3	69.3	61.3	57.8	—	59.0
May .....	89.2	89.2	80.6	W	—	71.8	74.3	74.2	67.0	61.0	—	63.0
June .....	90.9	90.9	79.6	W	—	69.7	76.1	76.0	67.1	59.8	—	62.0
July .....	89.0	89.0	78.5	W	—	70.3	74.8	74.7	66.4	59.1	—	61.6
August .....	84.8	84.8	75.5	59.4	—	66.8	70.9	70.7	64.0	54.2	W	57.8
September .....	85.3	85.3	75.8	W	—	68.1	70.2	70.1	63.9	54.7	—	58.3
October .....	87.4	87.3	73.1	62.1	—	67.3	72.7	72.5	63.5	55.2	—	58.2
November .....	82.6	82.5	71.7	W	—	65.1	66.6	66.5	61.9	51.0	—	55.0
December .....	79.7	79.6	NA	W	—	59.7	63.7	63.5	58.2	45.1	—	49.9
<b>1998</b> .....	<b>87.7</b>	<b>87.7</b>	<b>74.7</b>	<b>61.6</b>	<b>—</b>	<b>67.3</b>	<b>72.2</b>	<b>72.1</b>	<b>64.2</b>	<b>55.5</b>	<b>W</b>	<b>58.7</b>
<b>1999</b>												
January .....	79.1	79.1	NA	54.4	—	60.2	62.6	62.5	57.0	47.3	—	51.1
February .....	76.8	76.8	NA	W	—	59.7	60.0	59.9	54.0	47.3	—	50.2
March .....	87.7	87.7	NA	63.1	—	70.0	71.1	71.1	64.2	56.1	—	60.1
April .....	99.6	99.6	NA	69.6	—	NA	85.7	85.6	NA	63.2	—	NA
May .....	96.6	96.6	NA	68.3	—	NA	83.4	83.3	NA	62.1	—	71.8
June .....	94.9	94.9	NA	68.3	—	NA	81.8	81.7	NA	61.6	—	69.9
July .....	97.0	97.0	NA	W	—	86.3	86.1	86.1	88.3	68.7	—	76.7
August .....	105.1	105.1	NA	W	—	92.4	93.0	92.9	94.9	74.5	—	82.9

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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 11. U.S. Refiner Oxygenated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>4.0</b>	<b>4.1</b>	<b>9.4</b>	<b>5.2</b>	<b>0.9</b>	<b>15.5</b>	<b>0.7</b>	<b>0.7</b>	<b>2.1</b>	<b>0.8</b>	<b>W</b>	<b>2.9</b>
<b>1995</b> .....	<b>2.5</b>	<b>2.5</b>	<b>3.8</b>	<b>W</b>	<b>W</b>	<b>8.1</b>	<b>0.5</b>	<b>0.5</b>	<b>0.8</b>	<b>0.5</b>	<b>-</b>	<b>1.3</b>
<b>1996</b> .....	<b>2.4</b>	<b>2.5</b>	<b>2.6</b>	<b>2.9</b>	<b>W</b>	<b>5.6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.4</b>	<b>-</b>	<b>0.9</b>
<b>1997</b>												
January .....	3.7	3.7	2.9	4.5	-	7.4	0.8	0.8	W	0.5	-	1.1
February .....	3.6	3.7	2.9	4.2	-	7.1	0.7	0.7	W	0.5	-	1.0
March .....	2.1	2.1	1.9	2.3	-	4.1	0.4	0.4	0.4	0.2	-	0.6
April .....	0.9	0.9	0.5	1.6	-	2.1	0.2	0.2	W	0.2	-	0.3
May .....	1.3	1.4	1.0	1.7	-	2.7	0.2	0.2	W	0.2	-	0.3
June .....	1.5	1.6	1.0	1.8	-	2.8	0.3	0.3	W	0.2	-	0.4
July .....	1.3	1.4	1.0	1.8	-	2.8	0.2	0.2	W	0.2	-	0.4
August .....	1.3	1.4	1.0	1.9	-	2.8	0.2	0.2	W	0.2	-	0.4
September .....	1.6	1.6	1.3	2.4	-	3.7	0.2	0.2	W	0.4	-	0.6
October .....	2.1	2.2	2.0	4.2	-	6.3	0.4	0.4	W	0.7	-	1.1
November .....	3.1	3.2	2.9	5.3	-	8.2	0.7	0.7	W	0.8	-	1.3
December .....	3.4	3.4	3.0	5.6	-	8.6	0.7	0.7	W	0.8	-	1.3
<b>1997</b> .....	<b>2.2</b>	<b>2.2</b>	<b>1.8</b>	<b>3.1</b>	<b>-</b>	<b>4.9</b>	<b>0.4</b>	<b>0.4</b>	<b>0.3</b>	<b>0.4</b>	<b>-</b>	<b>0.7</b>
<b>1998</b>												
January .....	3.0	3.0	2.8	5.3	-	8.1	0.7	0.7	W	W	-	1.4
February .....	2.9	2.9	2.7	5.0	-	7.7	0.6	0.6	W	W	-	1.3
March .....	2.3	2.4	2.4	3.1	-	5.5	0.3	0.3	W	W	-	1.0
April .....	1.7	1.7	1.5	2.9	-	4.3	0.3	0.3	W	W	-	0.8
May .....	1.6	1.6	1.4	2.8	-	4.2	0.2	0.2	W	W	-	0.8
June .....	1.6	1.6	1.5	3.3	-	4.8	0.2	0.2	W	W	-	0.8
July .....	1.5	1.6	1.5	3.0	-	4.6	0.2	0.2	W	W	-	0.8
August .....	1.5	1.5	1.6	W	W	4.3	0.2	0.2	W	W	-	0.8
September .....	1.6	1.6	2.0	3.1	-	5.2	0.3	0.3	W	W	-	1.0
October .....	1.6	1.6	2.3	4.4	-	6.7	0.3	0.3	0.4	0.8	-	1.2
November .....	2.2	2.2	2.8	5.2	-	8.0	0.4	0.4	W	W	-	1.4
December .....	2.2	2.3	2.9	5.5	-	8.4	0.5	0.5	W	W	-	1.4
<b>1998</b> .....	<b>2.0</b>	<b>2.0</b>	<b>2.1</b>	<b>W</b>	<b>W</b>	<b>6.0</b>	<b>0.4</b>	<b>0.4</b>	<b>W</b>	<b>W</b>	<b>-</b>	<b>1.1</b>
<b>1999</b>												
January .....	2.4	2.4	3.1	4.9	-	7.9	0.5	0.5	0.5	0.8	-	1.3
February .....	2.5	2.5	3.5	4.9	-	8.3	0.5	0.5	W	W	-	1.3
March .....	2.2	2.2	3.2	3.4	-	6.6	0.4	0.4	0.5	0.8	-	1.3
April .....	1.4	1.4	1.9	2.3	-	4.2	0.2	0.2	NA	0.7	-	0.9
May .....	1.4	1.4	2.0	2.3	-	4.3	0.2	0.2	NA	0.7	-	0.9
June .....	1.5	1.5	NA	2.7	-	4.7	0.2	0.2	NA	0.8	-	NA
July .....	1.6	1.6	2.1	2.8	-	4.8	0.2	0.2	W	W	-	1.0
August .....	1.5	1.5	2.0	2.7	-	4.7	0.2	0.2	W	W	-	0.9

See footnotes at end of table.

**Table 11. U.S. Refiner Oxygenated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	1.2	1.2	5.0	1.4	0.2	6.6	5.9	6.1	16.5	7.4	1.1	25.0
<b>1995</b> .....	0.5	0.5	1.1	W	W	1.9	3.5	3.6	5.7	5.1	0.6	11.3
<b>1996</b> .....	0.4	0.4	0.6	0.5	NA	1.1	3.4	3.4	3.7	3.8	W	7.6
<b>1997</b>												
January .....	0.6	0.6	0.6	W	—	1.3	5.1	5.2	4.1	5.7	—	9.8
February .....	0.5	0.5	0.6	W	—	1.2	4.9	5.0	4.0	5.3	—	9.3
March .....	0.3	0.3	0.4	0.3	—	0.7	2.7	2.8	2.6	2.8	—	5.4
April .....	0.1	0.1	0.1	W	—	0.3	1.2	1.2	0.7	2.0	—	2.7
May .....	0.1	0.1	0.1	W	—	0.3	1.7	1.7	1.3	2.1	—	3.4
June .....	0.2	0.2	0.1	W	—	0.4	2.0	2.0	1.3	2.3	—	3.6
July .....	0.2	0.2	0.1	W	—	0.4	1.7	1.7	1.3	2.3	—	3.6
August .....	0.1	0.1	0.1	W	—	0.4	1.7	1.7	1.3	2.4	—	3.6
September .....	0.2	0.2	0.2	W	—	0.5	2.0	2.1	1.7	3.1	—	4.8
October .....	0.3	0.3	0.3	W	—	0.8	2.8	2.8	2.7	5.5	—	8.2
November .....	0.4	0.4	0.5	W	—	1.2	4.2	4.3	3.9	6.8	—	10.7
December .....	0.5	0.5	0.5	W	—	1.3	4.6	4.6	4.1	7.1	—	11.2
<b>1997</b> .....	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	—	<b>0.7</b>	<b>2.9</b>	<b>2.9</b>	<b>2.4</b>	<b>3.9</b>	—	<b>6.3</b>
<b>1998</b>												
January .....	0.4	0.4	W	W	—	1.3	4.1	4.2	3.8	6.9	—	10.7
February .....	0.4	0.4	W	W	—	1.2	3.8	3.8	3.7	6.5	—	10.2
March .....	0.2	0.2	W	W	—	0.8	2.9	2.9	3.2	4.1	—	7.4
April .....	0.2	0.2	W	W	—	0.5	2.1	2.1	1.9	3.8	—	5.6
May .....	0.2	0.2	W	W	—	0.5	2.0	2.0	1.8	3.7	—	5.5
June .....	0.2	0.2	W	W	—	0.6	2.0	2.0	1.9	4.3	—	6.2
July .....	0.2	0.2	W	W	—	0.5	1.9	2.0	2.0	3.9	—	5.9
August .....	0.2	0.2	0.3	0.3	—	0.5	1.9	1.9	W	3.6	W	5.6
September .....	0.2	0.2	W	W	—	0.8	2.1	2.1	2.7	4.2	—	6.9
October .....	0.2	0.2	0.6	0.7	—	1.3	2.1	2.1	3.3	5.9	—	9.3
November .....	0.3	0.3	W	W	—	1.8	2.9	3.0	4.2	7.1	—	11.2
December .....	0.4	0.4	W	W	—	1.9	3.1	3.1	4.3	7.5	—	11.7
<b>1998</b> .....	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	—	<b>1.0</b>	<b>2.6</b>	<b>2.6</b>	<b>W</b>	<b>5.1</b>	<b>W</b>	<b>8.0</b>
<b>1999</b>												
January .....	0.4	0.4	NA	0.9	—	1.7	3.3	3.3	4.3	6.6	—	10.9
February .....	0.4	0.4	W	W	—	1.7	3.3	3.3	4.9	6.5	—	11.4
March .....	0.3	0.3	NA	0.5	—	1.3	2.9	2.9	4.5	4.6	—	9.2
April .....	0.1	0.1	NA	0.2	—	NA	1.7	1.7	NA	3.2	—	5.6
May .....	0.1	0.1	NA	0.2	—	NA	1.7	1.7	NA	3.2	—	5.8
June .....	0.1	0.1	NA	0.2	—	NA	1.8	1.8	NA	3.7	—	6.4
July .....	0.2	0.2	W	W	—	0.6	2.0	2.0	2.6	3.8	—	6.4
August .....	0.1	0.1	W	W	—	0.6	1.9	1.9	2.5	3.7	—	6.2

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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

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

**Table 12. U.S. Refiner Reformulated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>76.4</b>	<b>75.8</b>	<b>72.0</b>	<b>56.9</b>	<b>54.3</b>	<b>63.8</b>	<b>87.9</b>	<b>87.3</b>	<b>77.0</b>	<b>62.8</b>	<b>W</b>	<b>72.8</b>
<b>1995</b> .....	<b>74.9</b>	<b>74.4</b>	<b>70.7</b>	<b>60.5</b>	<b>57.3</b>	<b>65.0</b>	<b>83.6</b>	<b>83.3</b>	<b>75.3</b>	<b>65.1</b>	<b>-</b>	<b>72.3</b>
<b>1996</b> .....	<b>83.4</b>	<b>83.0</b>	<b>78.8</b>	<b>69.8</b>	<b>67.7</b>	<b>73.8</b>	<b>92.4</b>	<b>92.1</b>	<b>83.7</b>	<b>74.1</b>	<b>W</b>	<b>80.9</b>
<b>1997</b>												
January .....	82.4	82.1	77.1	74.3	73.6	75.6	92.1	91.8	82.7	78.1	W	81.4
February .....	82.9	82.6	77.8	71.2	72.9	74.8	92.6	92.4	83.1	75.2	W	81.0
March .....	82.1	81.9	78.4	69.9	73.4	74.6	91.8	91.7	83.7	74.0	W	81.0
April .....	83.0	82.8	80.5	68.0	69.0	74.4	92.5	92.4	85.1	72.3	W	81.5
May .....	82.8	82.5	78.3	68.4	63.7	72.5	92.5	92.2	83.8	72.6	W	80.6
June .....	81.1	80.7	76.4	64.1	58.3	69.4	91.1	90.7	81.9	68.5	W	78.0
July .....	79.6	79.2	73.9	64.8	59.4	68.6	89.6	89.2	79.5	69.1	W	76.4
August .....	84.9	84.7	81.3	74.3	72.2	77.3	95.0	94.7	87.1	78.5	W	84.5
September .....	88.2	87.9	85.0	71.6	72.5	78.3	98.1	97.9	90.4	75.9	W	86.2
October .....	86.4	86.1	82.2	67.4	67.9	74.5	96.0	95.8	87.4	71.7	W	82.9
November .....	83.1	82.8	78.6	64.3	60.5	71.0	92.7	92.5	83.7	68.6	W	79.4
December .....	79.4	79.1	74.5	60.7	58.7	67.0	89.3	89.1	79.7	65.2	W	75.5
<b>1997</b> .....	<b>83.0</b>	<b>82.8</b>	<b>78.7</b>	<b>68.2</b>	<b>66.8</b>	<b>73.1</b>	<b>92.8</b>	<b>92.5</b>	<b>84.0</b>	<b>72.5</b>	<b>W</b>	<b>80.7</b>
<b>1998</b>												
January .....	74.3	74.1	69.5	56.6	55.4	62.7	83.1	82.9	74.8	60.8	W	70.8
February .....	67.6	67.4	62.6	53.8	52.4	57.9	77.8	77.7	68.0	57.9	W	65.1
March .....	62.7	62.5	57.5	50.9	49.9	54.1	72.9	72.7	63.1	55.0	W	60.8
April .....	65.3	65.1	59.9	54.6	54.5	57.2	75.0	74.9	65.5	58.8	W	63.6
May .....	70.6	70.4	65.7	57.2	53.5	60.7	80.0	79.9	71.2	61.6	W	68.4
June .....	69.3	69.1	64.7	53.5	49.7	58.4	79.2	79.0	70.3	58.2	W	66.6
July .....	68.0	67.8	62.8	51.8	47.8	56.2	78.3	78.2	68.7	56.4	W	64.9
August .....	66.5	66.2	60.7	47.9	W	53.8	76.9	76.7	66.4	W	W	62.1
September .....	65.0	64.7	59.4	49.0	46.0	53.4	75.4	75.2	65.2	53.3	W	61.6
October .....	65.2	64.9	59.8	50.4	46.7	54.4	75.5	75.3	65.7	54.9	NA	62.5
November .....	64.0	63.7	59.1	46.0	44.2	51.9	74.6	74.4	65.1	50.3	W	60.7
December .....	61.7	61.4	57.2	40.5	37.6	47.8	72.5	72.2	63.2	45.3	W	57.9
<b>1998</b> .....	<b>66.7</b>	<b>66.4</b>	<b>61.6</b>	<b>50.9</b>	<b>48.6</b>	<b>55.7</b>	<b>76.8</b>	<b>76.6</b>	<b>W</b>	<b>55.3</b>	<b>W</b>	<b>63.7</b>
<b>1999</b>												
January .....	60.7	60.4	55.6	41.8	38.2	47.7	70.9	70.7	61.6	46.2	NA	57.0
February .....	58.6	58.1	54.0	40.0	39.4	46.4	69.1	68.9	60.1	44.5	W	55.4
March .....	67.8	67.5	62.0	52.0	50.0	56.4	77.1	76.9	67.3	55.9	W	63.9
April .....	87.2	86.8	NA	62.4	56.2	71.0	93.5	93.2	NA	65.5	NA	NA
May .....	82.8	82.5	NA	59.5	54.2	67.5	90.7	90.5	NA	64.4	NA	NA
June .....	77.1	76.8	NA	NA	59.2	NA	86.7	86.5	NA	NA	NA	NA
July .....	81.0	80.8	76.9	69.1	69.1	72.8	90.7	90.5	82.1	72.9	W	79.3
August .....	87.4	87.2	83.7	72.6	72.4	78.0	96.7	96.5	88.9	77.1	W	85.2

See footnotes at end of table.

**Table 12. U.S. Refiner Reformulated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>96.6</b>	<b>95.8</b>	<b>86.1</b>	<b>67.7</b>	<b>55.8</b>	<b>77.7</b>	<b>83.1</b>	<b>82.4</b>	<b>77.1</b>	<b>59.9</b>	<b>54.7</b>	<b>68.7</b>
<b>1995</b> .....	<b>92.9</b>	<b>92.4</b>	<b>84.1</b>	<b>70.4</b>	<b>61.6</b>	<b>78.5</b>	<b>80.8</b>	<b>80.3</b>	<b>75.6</b>	<b>63.2</b>	<b>58.2</b>	<b>69.6</b>
<b>1996</b> .....	<b>100.2</b>	<b>99.8</b>	<b>91.0</b>	<b>79.1</b>	<b>70.9</b>	<b>85.9</b>	<b>88.2</b>	<b>87.8</b>	<b>82.8</b>	<b>72.0</b>	<b>68.2</b>	<b>77.4</b>
<b>1997</b>												
January .....	101.1	100.7	91.3	W	76.5	88.4	87.3	87.0	81.5	76.4	74.0	79.0
February .....	101.0	100.7	91.1	W	74.2	87.3	87.6	87.3	81.9	73.2	73.1	78.1
March .....	100.0	99.6	91.1	W	71.7	86.1	86.8	86.6	82.4	71.8	73.1	77.8
April .....	100.0	100.1	91.9	W	69.5	86.0	87.5	87.5	84.0	70.1	69.1	77.8
May .....	99.5	99.3	90.3	W	70.1	85.1	87.4	87.2	82.2	70.6	64.7	76.3
June .....	98.6	97.9	88.9	W	64.9	82.6	86.0	85.6	80.5	66.4	59.5	73.4
July .....	97.6	96.9	86.8	W	64.3	81.5	84.4	84.1	78.1	67.1	60.3	72.4
August .....	103.0	102.8	94.3	W	78.1	90.1	89.6	89.5	85.4	76.6	73.1	80.9
September .....	105.9	106.0	97.1	W	75.2	90.7	92.7	92.6	88.7	73.7	73.0	81.8
October .....	103.2	102.9	93.7	W	67.6	85.8	90.7	90.4	85.8	69.4	67.8	77.9
November .....	100.1	99.8	90.3	W	62.4	82.3	87.5	87.2	82.3	66.2	61.0	74.5
December .....	96.8	96.6	86.5	W	60.3	79.0	83.9	83.6	78.2	62.6	59.0	70.6
<b>1997</b> .....	<b>100.5</b>	<b>100.3</b>	<b>91.0</b>	<b>77.5</b>	<b>68.6</b>	<b>85.3</b>	<b>87.6</b>	<b>87.4</b>	<b>82.5</b>	<b>70.3</b>	<b>67.1</b>	<b>76.7</b>
<b>1998</b>												
January .....	91.2	91.0	81.6	65.2	58.8	75.5	78.7	78.5	73.3	58.5	55.8	66.3
February .....	85.8	85.6	75.3	62.3	53.2	70.2	72.4	72.2	66.6	55.7	52.5	61.4
March .....	81.2	81.0	70.7	59.7	50.8	65.8	67.6	67.4	61.7	52.9	50.1	57.5
April .....	83.0	82.8	72.8	W	58.1	68.7	69.9	69.7	63.9	56.6	55.2	60.4
May .....	87.5	87.3	77.6	W	57.4	72.3	75.1	74.8	69.5	59.2	54.2	64.0
June .....	86.8	86.6	76.8	W	54.3	71.1	74.0	73.7	68.5	55.6	50.3	62.1
July .....	86.8	86.6	75.3	W	52.1	69.5	73.0	72.8	66.9	54.0	48.2	60.0
August .....	84.6	84.4	W	57.5	49.4	66.6	71.5	71.2	64.8	50.2	W	57.6
September .....	83.2	83.0	72.1	W	48.8	65.5	70.0	69.6	63.5	51.2	46.5	57.0
October .....	83.7	83.4	72.7	59.9	51.1	66.7	70.3	70.0	64.0	52.6	47.6	58.1
November .....	82.5	82.2	71.8	W	47.2	64.2	69.1	68.8	63.3	48.1	44.8	55.7
December .....	80.3	79.9	69.6	W	41.7	61.1	66.9	66.5	61.4	42.7	38.3	51.9
<b>1998</b> .....	<b>84.7</b>	<b>84.4</b>	<b>74.1</b>	<b>59.8</b>	<b>51.6</b>	<b>68.0</b>	<b>71.5</b>	<b>71.2</b>	<b>65.6</b>	<b>53.0</b>	<b>W</b>	<b>59.3</b>
<b>1999</b>												
January .....	78.6	78.2	67.8	50.5	42.1	59.8	65.8	65.5	59.7	43.9	39.0	51.5
February .....	76.7	76.1	66.2	W	42.2	58.6	63.7	63.3	58.1	42.1	39.9	50.1
March .....	83.4	82.9	72.4	W	52.6	66.7	72.1	71.7	65.4	53.8	50.4	59.5
April .....	98.8	98.4	NA	68.8	60.6	NA	90.0	89.6	NA	63.8	57.0	73.4
May .....	98.2	97.8	NA	68.3	NA	NA	86.6	86.2	NA	61.5	54.5	NA
June .....	94.4	94.0	NA	NA	NA	NA	81.4	81.1	NA	NA	59.8	NA
July .....	98.0	97.7	89.4	W	71.0	83.9	85.2	85.0	80.5	70.9	69.4	75.7
August .....	104.4	104.1	96.1	W	73.0	89.4	91.4	91.2	87.2	74.5	72.5	81.0

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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 13. U.S. Refiner Reformulated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>0.6</b>	<b>0.6</b>	<b>2.1</b>	<b>1.6</b>	<b>0.6</b>	<b>4.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.7</b>	<b>0.3</b>	<b>W</b>	<b>1.0</b>
<b>1995</b> .....	<b>7.8</b>	<b>8.1</b>	<b>20.7</b>	<b>W</b>	<b>W</b>	<b>43.3</b>	<b>3.0</b>	<b>3.1</b>	<b>7.4</b>	<b>3.1</b>	<b>-</b>	<b>10.5</b>
<b>1996</b> .....	<b>10.7</b>	<b>11.1</b>	<b>26.1</b>	<b>20.5</b>	<b>8.0</b>	<b>54.6</b>	<b>3.3</b>	<b>3.4</b>	<b>7.9</b>	<b>3.3</b>	<b>W</b>	<b>11.3</b>
<b>1997</b>												
January .....	11.3	11.8	27.2	19.8	7.3	54.3	3.2	3.3	7.9	3.0	W	10.8
February .....	12.1	12.6	28.3	20.7	6.9	55.9	3.3	3.4	8.1	3.0	W	11.1
March .....	12.4	12.9	28.4	21.2	7.4	57.0	3.4	3.5	8.0	3.1	W	11.1
April .....	12.4	12.8	29.0	21.1	7.0	57.1	3.4	3.5	7.9	3.0	W	11.0
May .....	12.0	12.4	27.3	21.1	7.9	56.3	3.3	3.4	7.9	3.1	W	11.1
June .....	12.2	12.6	27.4	21.5	7.0	56.0	3.4	3.5	7.9	3.2	W	11.1
July .....	14.0	14.4	27.5	22.7	6.8	57.0	3.8	3.9	8.0	3.4	W	11.5
August .....	14.8	15.1	28.1	23.2	8.5	59.8	3.9	4.0	8.0	3.4	W	11.5
September .....	14.7	15.1	27.7	22.0	7.3	57.0	3.7	3.8	7.7	3.1	W	10.8
October .....	14.9	15.3	28.0	22.4	8.7	59.1	3.7	3.8	7.7	3.1	W	10.9
November .....	14.3	14.6	28.7	21.8	6.9	57.4	3.6	3.7	7.7	3.0	W	10.7
December .....	15.6	15.9	29.0	22.6	8.8	60.3	4.0	4.0	7.7	3.1	W	10.9
<b>1997</b> .....	<b>13.4</b>	<b>13.8</b>	<b>28.0</b>	<b>21.7</b>	<b>7.6</b>	<b>57.3</b>	<b>3.6</b>	<b>3.7</b>	<b>7.9</b>	<b>3.1</b>	<b>W</b>	<b>11.0</b>
<b>1998</b>												
January .....	13.6	13.8	27.4	20.9	8.2	56.5	3.7	3.7	7.2	W	W	10.0
February .....	14.4	14.6	28.4	21.9	7.4	57.7	3.6	3.6	7.3	W	W	10.3
March .....	14.6	14.8	29.1	22.5	6.8	58.4	3.6	3.7	7.4	W	W	10.4
April .....	15.0	15.2	29.7	22.8	8.6	61.2	3.7	3.7	7.5	W	W	10.5
May .....	14.9	15.2	29.9	23.5	9.8	63.1	3.8	3.8	7.5	W	W	10.6
June .....	15.3	15.6	30.3	24.2	8.2	62.7	3.9	3.9	7.6	W	W	10.9
July .....	15.8	16.0	29.5	24.3	10.6	64.5	4.1	4.1	7.6	W	W	11.0
August .....	15.4	15.6	29.2	W	W	61.4	4.0	4.0	7.5	W	W	10.9
September .....	15.4	15.7	28.6	23.6	9.3	61.5	4.0	4.0	7.4	W	W	10.5
October .....	14.3	14.6	28.3	23.6	7.7	59.7	3.9	3.9	7.4	3.1	NA	10.5
November .....	13.9	14.2	27.4	22.7	8.4	58.5	3.8	3.8	7.2	W	W	10.3
December .....	14.5	14.8	27.9	23.9	8.7	60.5	3.9	3.9	7.3	W	W	10.4
<b>1998</b> .....	<b>14.8</b>	<b>15.0</b>	<b>28.8</b>	<b>23.2</b>	<b>8.5</b>	<b>60.5</b>	<b>3.8</b>	<b>3.9</b>	<b>W</b>	<b>3.1</b>	<b>W</b>	<b>10.5</b>
<b>1999</b>												
January .....	13.0	13.3	25.4	21.3	8.0	54.6	3.7	3.7	6.5	2.7	NA	9.2
February .....	13.6	14.0	27.5	23.3	9.1	59.9	3.7	3.7	7.0	W	W	10.0
March .....	14.3	14.6	29.0	24.2	8.5	61.8	3.7	3.8	7.1	W	W	10.1
April .....	15.2	15.6	NA	24.1	9.4	63.7	3.6	3.6	NA	2.9	NA	NA
May .....	15.5	15.8	NA	25.2	10.8	66.2	3.7	3.7	NA	3.1	NA	NA
June .....	16.4	16.7	NA	NA	12.0	NA	3.9	3.9	NA	NA	NA	NA
July .....	15.6	16.0	32.0	26.7	10.2	68.9	3.8	3.8	7.3	W	W	10.6
August .....	15.6	16.0	32.0	26.6	7.9	66.5	3.6	3.7	7.1	W	W	10.2

See footnotes at end of table.

**Table 13. U.S. Refiner Reformulated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>0.2</b>	<b>0.2</b>	<b>1.2</b>	<b>0.5</b>	<b>0.2</b>	<b>1.9</b>	<b>1.0</b>	<b>1.0</b>	<b>4.0</b>	<b>2.4</b>	<b>0.8</b>	<b>7.2</b>
<b>1995</b> .....	<b>3.1</b>	<b>3.2</b>	<b>12.0</b>	<b>W</b>	<b>W</b>	<b>18.9</b>	<b>14.0</b>	<b>14.4</b>	<b>40.1</b>	<b>25.9</b>	<b>6.6</b>	<b>72.6</b>
<b>1996</b> .....	<b>3.1</b>	<b>3.2</b>	<b>11.7</b>	<b>5.3</b>	<b>1.5</b>	<b>18.6</b>	<b>17.0</b>	<b>17.6</b>	<b>45.7</b>	<b>29.2</b>	<b>9.6</b>	<b>84.5</b>
<b>1997</b>												
January .....	2.9	3.0	11.1	W	1.0	16.9	17.5	18.2	46.2	27.5	8.3	82.0
February .....	3.0	3.1	11.5	W	0.8	17.1	18.4	19.1	47.9	28.5	7.8	84.2
March .....	3.1	3.2	11.6	W	1.5	18.2	18.9	19.7	48.0	29.3	8.9	86.2
April .....	3.2	3.4	11.7	W	1.4	18.2	19.0	19.8	48.6	29.3	8.4	86.3
May .....	3.2	3.4	11.5	W	1.5	18.4	18.5	19.2	46.7	29.6	9.5	85.8
June .....	3.4	3.6	11.8	W	1.6	18.8	18.9	19.6	47.1	30.1	8.7	86.0
July .....	3.7	4.0	11.8	W	1.5	19.2	21.5	22.2	47.4	32.0	8.3	87.7
August .....	3.6	3.8	11.4	W	1.5	18.5	22.3	22.9	47.5	32.2	10.0	89.7
September .....	3.4	3.7	10.7	W	1.2	17.1	21.9	22.6	46.1	30.2	8.6	84.9
October .....	3.5	3.6	11.1	W	2.0	18.4	22.2	22.7	46.8	30.9	10.7	88.4
November .....	3.5	3.5	11.6	W	2.2	18.9	21.4	21.8	47.9	30.0	9.1	87.0
December .....	3.8	3.8	11.8	W	1.9	19.2	23.4	23.7	48.5	31.2	10.7	90.4
<b>1997</b> .....	<b>3.4</b>	<b>3.5</b>	<b>11.5</b>	<b>5.3</b>	<b>1.5</b>	<b>18.2</b>	<b>20.3</b>	<b>21.0</b>	<b>47.4</b>	<b>30.1</b>	<b>9.1</b>	<b>86.6</b>
<b>1998</b>												
January .....	3.5	3.5	11.2	W	W	17.3	20.7	21.0	45.8	28.7	9.3	83.8
February .....	3.7	3.7	11.9	W	W	18.3	21.7	22.0	47.6	30.1	8.5	86.2
March .....	3.8	3.9	12.3	W	W	19.6	22.0	22.4	48.8	31.0	8.6	88.4
April .....	3.8	3.9	12.3	W	W	19.8	22.5	22.8	49.4	31.5	10.5	91.5
May .....	3.8	3.9	12.2	W	W	19.9	22.6	22.9	49.5	32.4	11.7	93.6
June .....	4.0	4.0	12.5	W	W	19.8	23.2	23.5	50.4	33.5	9.5	93.4
July .....	4.2	4.2	12.6	W	W	20.2	24.0	24.3	49.7	34.2	11.8	95.7
August .....	4.2	4.2	W	6.4	W	20.6	23.5	23.9	W	34.2	W	92.9
September .....	4.1	4.2	12.5	W	W	21.0	23.5	23.9	48.5	33.0	11.5	93.0
October .....	3.9	4.0	12.4	6.2	2.0	20.7	22.1	22.5	48.1	33.0	9.8	90.9
November .....	3.8	3.9	12.2	W	W	20.4	21.5	21.9	46.9	31.8	10.4	89.1
December .....	4.0	4.0	12.5	W	W	20.6	22.3	22.7	47.8	33.6	10.2	91.6
<b>1998</b> .....	<b>3.9</b>	<b>3.9</b>	<b>12.3</b>	<b>6.0</b>	<b>1.6</b>	<b>19.9</b>	<b>22.5</b>	<b>22.8</b>	<b>W</b>	<b>32.3</b>	<b>W</b>	<b>90.9</b>
<b>1999</b>												
January .....	3.7	3.8	11.2	5.8	2.0	19.0	20.4	20.7	43.1	29.8	9.9	82.9
February .....	3.8	3.9	12.3	W	W	20.5	21.2	21.6	46.7	32.7	11.0	90.4
March .....	3.8	3.8	12.1	W	W	20.2	21.8	22.2	48.2	33.7	10.1	92.0
April .....	3.5	3.5	NA	5.7	2.0	NA	22.3	22.7	NA	32.6	11.4	91.7
May .....	3.6	3.7	NA	6.1	NA	NA	22.8	23.2	NA	34.4	13.0	NA
June .....	3.8	3.9	NA	NA	NA	NA	24.1	24.5	NA	NA	13.7	NA
July .....	3.6	3.6	11.8	W	W	19.9	23.0	23.4	51.2	36.5	11.8	99.5
August .....	3.4	3.4	11.1	W	W	18.8	22.7	23.1	50.1	36.0	9.4	95.5

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

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

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

**Table 14. U.S. Propane (Consumer Grade) Prices by Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users							Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Petro- Chemical	Other End Users	Average	
<b>1994</b> .....	<b>87.2</b>	<b>76.5</b>	<b>65.2</b>	<b>73.6</b>	<b>31.1</b>	<b>63.4</b>	<b>77.6</b>	<b>33.6</b>
<b>1995</b> .....	<b>86.5</b>	<b>77.7</b>	<b>64.6</b>	<b>74.7</b>	<b>32.4</b>	<b>66.2</b>	<b>76.6</b>	<b>35.4</b>
<b>1996</b> .....	<b>99.1</b>	<b>88.4</b>	<b>73.3</b>	<b>75.7</b>	<b>41.3</b>	<b>76.4</b>	<b>88.6</b>	<b>47.1</b>
<b>1997</b>								
January .....	117.8	105.9	91.0	88.6	54.0	93.7	110.0	61.2
February .....	107.3	97.1	79.6	77.8	42.1	82.6	97.9	46.0
March .....	102.2	92.4	80.0	74.7	41.2	79.2	90.8	42.8
April .....	98.6	90.2	76.9	71.4	36.2	78.2	84.9	39.1
May .....	97.2	88.3	74.6	70.1	35.9	79.4	81.3	38.1
June .....	95.6	87.6	73.4	69.7	35.3	80.6	80.8	37.5
July .....	90.3	86.3	73.2	68.6	35.3	74.0	78.3	37.0
August .....	86.1	84.3	72.1	66.8	36.9	71.0	77.0	38.4
September .....	87.7	84.7	73.3	68.4	37.6	70.0	77.6	40.3
October .....	89.9	84.9	73.2	69.9	39.5	65.6	78.2	41.9
November .....	92.1	86.7	73.7	69.0	38.6	68.0	82.0	40.8
December .....	94.5	87.4	74.9	69.2	35.2	71.4	85.8	38.7
<b>1997</b> .....	<b>99.6</b>	<b>90.5</b>	<b>77.8</b>	<b>72.6</b>	<b>38.4</b>	<b>74.3</b>	<b>87.8</b>	<b>42.6</b>
<b>1998</b>								
January .....	94.7	86.5	80.9	67.2	32.2	70.6	85.5	36.5
February .....	96.3	87.7	77.4	66.6	30.9	70.4	84.9	34.1
March .....	93.5	85.5	75.4	64.5	28.7	70.0	82.6	32.3
April .....	94.4	84.3	78.3	64.5	28.9	72.8	80.6	31.1
May .....	94.9	84.9	76.5	74.4	28.1	76.3	78.2	30.0
June .....	90.4	84.0	69.6	63.0	25.2	71.8	75.4	27.4
July .....	86.1	82.4	68.0	60.1	24.9	68.2	73.9	26.6
August .....	82.2	80.5	67.1	59.3	24.3	64.4	70.8	26.5
September .....	81.8	79.1	65.7	58.0	24.3	59.7	71.6	26.9
October .....	82.6	76.6	66.0	58.0	25.9	56.0	71.2	28.5
November .....	84.4	75.4	67.8	77.6	26.0	60.0	74.9	28.4
December .....	85.0	75.9	67.4	77.2	21.5	61.2	75.0	26.4
<b>1998</b> .....	<b>89.5</b>	<b>82.0</b>	<b>71.9</b>	<b>68.0</b>	<b>27.1</b>	<b>65.2</b>	<b>78.1</b>	<b>29.8</b>
<b>1999</b>								
January .....	85.3	76.3	68.0	75.8	23.2	62.2	77.4	27.3
February .....	87.1	75.6	68.9	77.9	23.6	63.0	76.7	27.3
March .....	87.6	76.0	68.7	78.7	23.3	63.2	77.0	27.7
April .....	87.8	78.1	70.5	80.7	27.6	65.4	74.9	29.6
May .....	90.1	80.2	70.6	83.0	26.7	69.2	75.9	29.9
June .....	90.5	80.6	71.5	W	30.9	68.0	74.8	30.4
July .....	83.9	81.4	73.0	86.5	36.1	67.2	72.0	35.8
August .....	81.9	81.2	74.6	W	40.0	67.3	69.6	39.6

W = Withheld to avoid disclosure of individual company data.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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

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

**Table 15. U.S. No. 2 Distillate<sup>a</sup> Prices by Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>b</sup>	Other End Users <sup>c</sup>	Average	
1983 .....	107.8	86.3	88.3	94.3	89.7	93.3	81.8
1984 .....	109.1	85.7	87.0	92.0	89.2	92.6	81.9
1985 .....	105.3	82.1	83.4	88.6	85.3	89.0	78.1
1986 .....	83.6	51.4	53.7	59.8	56.9	61.4	48.0
1987 .....	80.3	56.6	59.7	64.4	63.1	64.3	53.5
1988 .....	81.3	51.9	54.2	61.6	58.7	61.2	48.2
1989 .....	90.0	60.8	63.8	68.5	66.7	69.5	57.2
1990 .....	106.3	75.1	78.0	85.2	82.8	84.1	70.6
1991 .....	101.9	67.5	69.7	74.5	73.8	76.0	62.7
1992 .....	93.4	63.7	67.5	72.1	72.1	72.6	59.1
1993 .....	91.1	62.0	66.7	71.1	70.5	71.0	56.6
1994 .....	88.4	58.7	64.1	67.3	65.5	67.5	52.9
1995 .....	86.7	59.3	64.4	67.0	67.3	67.3	53.6
1996 .....	98.9	71.4	77.1	78.8	79.3	79.3	66.0
<b>1997</b>							
January .....	107.9	77.0	81.7	84.1	83.5	88.2	70.6
February .....	105.1	74.5	79.1	81.9	82.0	84.8	67.2
March .....	101.6	69.3	73.0	76.5	76.4	78.5	61.7
April .....	99.2	67.7	72.3	75.5	76.8	75.8	61.8
May .....	96.4	66.3	71.0	74.5	75.9	73.3	60.8
June .....	92.3	63.1	67.9	72.2	73.1	69.7	56.9
July .....	88.3	62.0	66.7	70.5	71.2	68.0	56.1
August .....	86.9	64.2	68.5	71.9	73.0	69.9	58.8
September .....	88.7	63.7	68.5	71.4	73.2	70.1	57.8
October .....	92.3	67.3	71.1	73.8	76.5	73.7	61.9
November .....	94.1	68.0	71.0	74.0	75.1	75.4	61.6
December .....	93.8	63.9	66.7	70.9	70.4	73.8	56.0
<b>1997</b> .....	<b>98.4</b>	<b>67.4</b>	<b>71.2</b>	<b>74.5</b>	<b>75.3</b>	<b>75.3</b>	<b>61.1</b>
<b>1998</b>							
January .....	92.5	59.4	61.8	66.3	65.6	69.8	51.0
February .....	91.5	57.5	60.1	63.5	63.4	67.6	49.6
March .....	89.6	54.9	57.5	61.6	62.0	64.5	47.1
April .....	87.6	55.7	58.6	61.6	63.6	62.5	48.5
May .....	84.8	54.3	57.4	61.9	63.0	60.3	47.3
June .....	81.1	50.9	54.7	59.1	59.8	56.8	44.1
July .....	77.6	49.9	54.0	57.9	57.4	55.4	42.7
August .....	75.5	48.7	52.4	56.2	56.9	54.1	41.3
September .....	77.0	51.6	55.3	58.1	59.8	56.9	45.5
October .....	78.6	51.7	55.3	58.8	60.5	58.0	45.2
November .....	79.9	49.6	53.0	56.6	57.2	57.4	41.8
December .....	79.0	45.7	48.6	52.4	52.6	55.2	36.7
<b>1998</b> .....	<b>85.2</b>	<b>52.4</b>	<b>55.7</b>	<b>59.4</b>	<b>60.1</b>	<b>60.0</b>	<b>45.0</b>
<b>1999</b>							
January .....	80.4	46.7	48.9	51.5	51.1	57.4	37.7
February .....	79.8	45.0	47.9	50.3	50.7	55.1	36.0
March .....	80.9	50.5	53.6	55.0	55.8	58.9	43.3
April .....	82.9	55.0	57.9	63.2	62.1	62.0	48.2
May .....	82.1	54.3	57.1	63.0	62.8	60.6	47.4
June .....	80.8	56.5	58.3	63.6	64.9	61.5	49.9
July .....	81.6	61.1	63.7	68.8	68.3	66.0	56.0
August .....	83.1	65.9	68.4	73.7	74.2	71.0	61.0
September <sup>d</sup> .....	<sup>E</sup> 85.2	NA	NA	<sup>E</sup> 77.1	NA	NA	<sup>E</sup> 63.6

NA = Not available.

E = Estimated data.

<sup>a</sup> Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.

<sup>b</sup> Includes low-sulfur diesel fuel only.

<sup>c</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>d</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

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

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

**Table 16. U.S. No. 2 Diesel Fuel Prices by Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>1994</b> .....	<b>57.7</b>	<b>64.5</b>	<b>67.3</b>	<b>66.1</b>	<b>62.8</b>	<b>53.8</b>
<b>1995</b> .....	<b>58.8</b>	<b>64.9</b>	<b>67.0</b>	<b>67.7</b>	<b>63.6</b>	<b>54.6</b>
<b>1996</b> .....	<b>71.1</b>	<b>77.5</b>	<b>78.8</b>	<b>79.6</b>	<b>75.7</b>	<b>66.7</b>
<b>1997</b>						
January .....	75.6	81.7	84.1	83.7	80.4	70.7
February .....	73.7	79.1	81.9	82.1	78.3	68.5
March .....	68.3	73.2	76.5	76.6	72.9	63.4
April .....	67.1	72.7	75.5	77.2	72.3	62.8
May .....	66.0	71.3	74.5	76.3	71.3	61.3
June .....	62.8	68.2	72.2	73.5	68.6	57.4
July .....	61.8	67.1	70.5	72.0	67.2	56.6
August .....	64.2	69.1	71.9	73.6	69.1	59.6
September .....	63.6	69.3	71.4	73.8	68.6	58.6
October .....	67.1	71.8	73.8	76.8	71.6	62.6
November .....	67.4	71.7	74.0	75.7	71.5	62.5
December .....	62.3	67.3	70.9	70.8	67.1	56.4
<b>1997</b> .....	<b>66.6</b>	<b>71.5</b>	<b>74.5</b>	<b>75.7</b>	<b>71.4</b>	<b>61.6</b>
<b>1998</b>						
January .....	57.1	62.2	66.3	65.8	62.3	51.0
February .....	55.5	60.3	63.5	63.4	60.1	49.5
March .....	53.1	57.8	61.6	62.0	58.0	47.2
April .....	54.9	59.1	61.6	63.8	59.3	49.3
May .....	54.0	58.1	61.9	63.9	59.0	48.2
June .....	50.8	55.3	59.1	60.5	55.8	44.8
July .....	49.7	54.7	57.9	58.0	54.6	43.4
August .....	48.6	53.2	56.2	57.7	53.4	42.2
September .....	51.4	55.9	58.1	60.3	55.7	46.2
October .....	51.4	55.9	58.8	60.9	56.1	46.2
November .....	48.6	53.6	56.6	57.5	53.4	42.4
December .....	44.3	49.1	52.4	52.9	49.0	36.8
<b>1998</b> .....	<b>51.5</b>	<b>56.3</b>	<b>59.4</b>	<b>60.5</b>	<b>56.3</b>	<b>45.5</b>
<b>1999</b>						
January .....	44.4	48.9	51.5	51.6	48.6	37.6
February .....	43.3	48.3	50.3	50.8	47.5	36.5
March .....	49.2	54.2	55.0	56.0	53.0	44.5
April .....	54.9	58.4	63.2	62.4	59.6	49.2
May .....	54.4	57.6	63.0	63.2	59.6	48.3
June .....	57.0	58.8	63.6	65.6	61.1	51.0
July .....	61.8	64.0	68.8	69.8	66.0	57.0
August .....	66.7	68.9	73.7	75.2	71.0	62.0
September <sup>c</sup> .....	NA	NA	<sup>E</sup> 77.1	NA	NA	NA

NA = Not available.

E = Estimated data.

<sup>a</sup> Includes low-sulfur diesel fuel only.

<sup>b</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>c</sup> **Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.**

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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

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

**Table 17. U.S. No. 2 Diesel Fuel Prices by Sulfur Content and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Low-Sulfur Diesel Fuel						High-Sulfur Diesel Fuel				
	Sales to End Users					Sales for Resale	Sales to End Users				Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Other End Users <sup>a</sup>	Average		Commercial/ Institutional Consumers	Industrial Consumers	Other End Users <sup>a</sup>	Average	
<b>1994</b> .....	<b>59.1</b>	<b>66.0</b>	<b>67.3</b>	<b>67.4</b>	<b>64.2</b>	<b>54.2</b>	<b>55.3</b>	<b>62.9</b>	<b>64.6</b>	<b>59.8</b>	<b>51.9</b>
<b>1995</b> .....	<b>59.8</b>	<b>66.3</b>	<b>67.0</b>	<b>68.4</b>	<b>64.5</b>	<b>55.1</b>	<b>56.8</b>	<b>63.6</b>	<b>66.7</b>	<b>61.4</b>	<b>52.4</b>
<b>1996</b> .....	<b>72.3</b>	<b>79.1</b>	<b>78.8</b>	<b>80.6</b>	<b>76.7</b>	<b>67.3</b>	<b>68.7</b>	<b>75.9</b>	<b>78.4</b>	<b>73.2</b>	<b>63.9</b>
<b>1997</b>											
January .....	76.6	82.7	84.1	83.7	81.2	71.0	73.8	80.7	83.7	78.2	69.4
February .....	74.9	81.6	81.9	82.5	79.3	68.8	71.5	76.8	81.7	75.4	66.5
March .....	69.0	74.8	76.5	76.7	73.7	64.0	67.0	71.7	76.6	70.6	60.9
April .....	67.7	74.4	75.5	77.0	72.8	63.2	65.8	71.0	77.4	70.6	60.6
May .....	66.4	72.0	74.5	76.3	71.8	61.8	65.1	70.5	76.3	69.9	59.1
June .....	62.9	68.7	72.2	73.9	69.1	57.7	62.6	67.6	73.0	66.9	56.1
July .....	61.7	67.7	70.5	72.5	67.7	56.9	61.9	66.5	71.4	65.9	55.1
August .....	64.4	69.8	71.9	74.2	69.6	59.9	63.9	68.4	72.7	67.5	58.0
September .....	63.5	70.3	71.4	74.2	68.9	58.7	63.7	68.1	73.2	67.5	57.9
October .....	67.2	72.3	73.8	77.2	71.9	62.9	66.8	71.1	76.3	70.8	61.0
November .....	67.5	72.0	74.0	76.3	71.9	63.0	67.1	71.2	74.9	70.2	59.9
December .....	62.9	66.9	70.9	71.4	67.8	56.7	61.1	67.7	70.0	64.9	54.9
<b>1997</b> .....	<b>67.0</b>	<b>72.2</b>	<b>74.5</b>	<b>76.0</b>	<b>71.9</b>	<b>61.9</b>	<b>65.9</b>	<b>70.8</b>	<b>75.3</b>	<b>69.8</b>	<b>60.2</b>
<b>1998</b>											
January .....	57.5	61.7	66.3	65.5	62.9	51.4	56.3	62.8	66.3	60.3	49.1
February .....	55.6	59.5	63.5	63.3	60.5	49.9	55.4	61.1	63.5	58.9	47.9
March .....	53.2	57.4	61.6	61.9	58.5	47.5	52.8	58.2	62.1	56.4	45.2
April .....	54.9	58.7	61.6	63.6	59.4	49.7	54.9	59.6	64.1	58.8	46.8
May .....	53.9	58.1	61.9	63.8	59.1	48.8	54.4	58.1	64.0	58.5	45.5
June .....	50.7	54.4	59.1	60.5	56.1	45.3	50.9	56.3	60.5	55.2	42.4
July .....	49.5	54.0	57.9	58.0	54.8	43.8	50.0	55.6	58.0	53.7	41.6
August .....	48.4	53.3	56.2	57.4	53.6	42.4	48.9	53.1	58.2	52.5	40.6
September .....	51.5	55.9	58.1	60.2	55.9	46.6	51.1	55.8	60.4	54.9	44.1
October .....	51.4	56.0	58.8	60.4	56.2	46.5	51.5	55.8	61.4	55.7	44.8
November .....	48.8	53.3	56.6	57.0	53.8	42.7	48.2	54.1	58.1	52.2	40.7
December .....	44.5	48.5	52.4	51.8	49.3	37.0	43.7	49.7	54.6	47.9	35.7
<b>1998</b> .....	<b>51.5</b>	<b>55.9</b>	<b>59.4</b>	<b>60.2</b>	<b>56.6</b>	<b>45.8</b>	<b>51.5</b>	<b>56.7</b>	<b>60.9</b>	<b>55.4</b>	<b>43.7</b>
<b>1999</b>											
January .....	45.0	48.4	51.5	51.1	49.1	37.9	43.2	49.5	52.4	46.7	36.3
February .....	43.5	47.5	50.3	50.3	47.9	36.8	42.7	49.2	51.6	46.4	34.8
March .....	49.7	53.5	55.0	55.6	53.3	44.9	48.2	55.1	56.6	52.0	41.5
April .....	56.6	58.4	63.2	63.7	60.8	49.7	51.6	58.5	60.5	55.4	46.3
May .....	55.7	57.9	63.0	64.0	60.6	48.6	51.8	57.1	62.2	55.9	46.1
June .....	58.7	58.6	63.6	67.5	62.1	51.6	53.7	59.2	62.6	57.2	47.2
July .....	63.2	63.6	68.8	71.2	67.0	57.5	58.9	64.7	67.3	62.3	53.4
August .....	67.8	68.3	73.7	77.6	71.9	62.4	64.6	69.7	71.7	67.7	58.7
September <sup>b</sup> .....	NA	NA	<sup>E</sup> 77.1	NA	NA	NA	NA	NA	NA	NA	NA

NA = Not available.

E = Estimated data. Includes on-highway diesel fuel only.

<sup>a</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>b</sup> **Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.**

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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

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

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**  
(Cents per Gallon Excluding Taxes)

Year Month	U.S. Average	PAD District I								
		Average	CT	ME	MA	NH	RI	VT	DE	DC
1978	49.0	—	50.1	48.6	48.8	50.3	50.7	50.8	47.8	50.7
1979	70.4	—	72.0	68.8	70.9	72.5	72.8	72.5	68.2	74.2
1980	97.4	—	98.3	96.3	97.8	100.4	101.1	101.5	95.4	102.6
1981	119.4	—	121.7	120.4	121.3	123.7	123.8	125.4	117.3	127.4
1982	116.0	—	118.3	115.5	117.6	117.4	120.1	120.1	111.3	124.5
1983	107.8	109.0	109.1	102.8	109.1	104.1	110.5	112.9	106.0	117.0
1984	109.1	111.3	112.1	103.9	111.6	108.4	111.4	111.9	109.6	118.7
1985	105.3	106.8	108.0	99.7	107.0	102.4	106.7	107.7	104.6	114.3
1986	83.6	86.2	89.0	74.4	82.1	75.9	82.8	86.6	85.0	93.1
1987	80.3	81.4	83.4	74.7	80.6	76.5	82.5	81.1	79.3	91.8
1988	81.3	82.7	85.3	77.7	82.1	78.2	83.6	82.6	80.1	91.6
1989	90.0	91.7	92.9	89.4	92.6	89.3	93.9	90.5	88.2	98.6
1990	106.3	108.1	109.8	98.9	108.4	102.8	108.6	107.0	105.8	107.8
1991	101.9	104.1	106.2	96.0	103.0	91.6	99.9	101.9	99.7	112.2
1992	93.4	94.9	94.7	87.1	92.5	85.6	91.2	92.1	92.3	105.7
1993	91.1	92.1	91.9	82.6	89.7	82.8	89.3	90.4	89.9	104.5
1994	88.4	89.4	89.0	81.8	87.0	79.2	88.5	87.6	89.4	100.0
1995	86.7	87.5	86.4	78.7	84.4	77.9	87.4	85.3	87.0	101.0
1996	98.9	100.0	98.6	97.2	97.6	94.0	98.6	96.9	98.4	117.8
<b>1997</b>										
January	107.9	109.0	108.6	105.2	106.5	102.1	107.0	104.4	106.5	130.4
February	105.1	106.0	105.2	102.2	103.4	101.0	104.5	103.5	104.2	127.0
March	101.6	102.5	99.3	94.3	97.7	98.6	100.4	103.1	100.7	121.4
April	99.2	100.3	97.6	90.9	95.9	95.2	99.4	100.4	100.1	116.3
May	96.4	97.1	93.4	90.6	93.0	91.9	97.3	97.7	96.4	108.6
June	92.3	92.9	89.9	88.1	89.1	89.1	93.3	92.9	90.8	99.9
July	88.3	88.7	83.7	86.7	87.5	85.6	91.6	91.1	88.8	W
August	86.9	86.8	84.2	85.8	84.7	85.3	91.0	92.7	89.2	W
September	88.7	89.0	85.5	87.0	87.0	86.3	91.2	91.7	88.5	NA
October	92.3	92.8	88.9	90.0	89.5	88.2	94.6	93.1	88.0	106.7
November	94.1	94.6	91.3	92.0	90.7	88.6	95.4	94.7	92.0	W
December	93.8	94.6	91.9	90.9	89.9	88.5	94.6	94.0	94.2	111.8
<b>1997</b>	<b>98.4</b>	<b>99.3</b>	<b>96.3</b>	<b>94.2</b>	<b>96.0</b>	<b>94.2</b>	<b>98.9</b>	<b>98.7</b>	<b>98.4</b>	<b>117.4</b>
<b>1998</b>										
January	92.5	93.6	91.4	88.7	88.8	87.4	93.4	92.9	92.5	111.0
February	91.5	92.7	90.0	85.7	87.6	86.7	92.6	91.7	91.9	110.0
March	89.6	90.8	88.6	83.0	86.6	84.4	90.2	92.2	90.6	104.9
April	87.6	88.5	85.7	81.6	83.4	81.3	88.9	89.1	88.5	100.3
May	84.8	85.8	83.2	80.3	81.8	79.4	87.2	86.9	81.7	NA
June	81.1	82.1	78.1	78.6	78.4	75.6	84.4	84.3	79.9	89.8
July	77.6	78.3	74.2	76.0	76.1	70.5	83.3	81.5	74.1	84.0
August	75.5	76.1	71.4	74.3	74.0	68.5	78.8	80.9	74.5	85.6
September	77.0	77.6	72.4	74.4	74.2	70.8	78.8	80.5	73.0	84.6
October	78.6	79.1	75.5	74.1	75.3	71.1	81.6	82.4	76.4	W
November	79.9	80.5	77.0	73.3	74.7	72.3	80.4	82.0	82.4	W
December	79.0	79.8	76.9	70.9	74.3	71.4	79.9	81.7	80.9	W
<b>1998</b>	<b>85.2</b>	<b>86.3</b>	<b>83.4</b>	<b>79.1</b>	<b>81.8</b>	<b>78.9</b>	<b>86.8</b>	<b>87.3</b>	<b>85.8</b>	<b>102.2</b>
<b>1999</b>										
January	80.4	81.3	78.6	72.0	75.3	70.8	79.9	80.5	82.1	W
February	79.8	80.5	77.3	71.6	74.7	70.4	79.4	79.7	80.4	W
March	80.9	81.4	77.9	74.2	76.1	70.4	79.3	79.5	82.9	W
April	82.9	83.1	80.0	79.2	76.9	70.2	79.2	80.2	88.8	W
May	82.1	82.3	77.3	79.2	78.1	69.1	78.8	79.6	NA	W
June	80.8	81.0	75.1	77.4	76.6	68.5	78.2	78.3	77.0	W
July	81.6	81.6	78.0	79.8	77.5	69.7	79.0	79.9	76.3	W
August	83.1	82.8	79.8	83.0	80.2	74.5	81.2	82.2	78.1	W
September <sup>a</sup>	85.2	85.0	NA							

See footnotes at end of table.

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	PAD District I (Continued)						PAD District II			
	MD	NJ	NY	PA	VA	WV	Average	IL	IN	MI
1978	49.2	49.6	50.1	48.8	49.1	46.2	—	46.5	48.5	47.9
1979	70.1	71.0	71.2	69.8	70.4	65.1	—	68.8	72.7	70.9
1980	97.9	97.9	98.2	96.4	98.5	92.2	—	95.8	99.6	97.8
1981	121.4	121.5	123.2	118.1	120.5	115.0	—	114.9	118.5	118.3
1982	117.1	117.4	120.5	113.7	117.7	109.3	—	110.9	114.3	113.9
1983	110.3	107.9	112.1	105.8	108.7	101.0	102.0	100.4	100.7	106.4
1984	113.5	111.0	115.5	107.9	110.5	102.1	101.7	100.1	103.1	105.0
1985	108.8	105.9	111.3	102.3	106.3	98.0	99.4	97.5	99.1	102.1
1986	91.4	90.2	91.1	81.4	86.6	74.6	72.7	NA	74.8	81.0
1987	86.6	84.3	85.2	76.9	79.5	76.4	74.8	79.8	75.4	77.5
1988	87.0	84.8	86.3	77.8	80.5	74.2	74.3	77.6	75.4	77.5
1989	93.8	91.8	95.8	85.1	87.0	83.0	81.9	80.9	83.2	85.3
1990	111.9	108.8	112.5	102.6	110.6	99.1	97.8	96.1	99.3	100.9
1991	108.4	104.0	111.3	99.7	101.1	93.4	90.8	92.7	91.8	94.2
1992	100.0	93.9	102.8	89.0	92.8	86.4	82.9	87.7	81.2	87.2
1993	98.1	92.4	100.1	86.3	89.3	85.6	83.3	84.4	81.0	87.2
1994	95.0	89.5	96.6	85.7	85.3	80.9	80.8	78.4	81.2	86.3
1995	93.6	88.8	95.5	82.6	84.4	81.5	80.9	78.5	81.6	86.0
1996	106.3	102.4	106.3	95.3	95.2	96.0	91.3	89.3	91.2	97.7
<b>1997</b>										
January	117.1	111.6	114.3	104.2	105.5	103.8	99.7	99.2	100.9	105.6
February	115.0	108.7	111.6	102.1	102.7	101.2	97.7	93.2	97.0	104.4
March	108.1	104.9	111.2	97.7	100.4	98.1	93.2	90.2	94.7	NA
April	105.6	102.8	109.4	94.8	96.7	95.7	90.7	85.5	NA	91.7
May	101.9	100.1	107.7	92.4	89.9	92.9	90.4	81.9	88.7	90.7
June	98.0	97.2	103.6	87.6	87.8	90.6	87.0	81.4	84.2	88.2
July	96.1	90.3	99.4	82.0	85.9	87.4	83.3	79.9	79.9	84.9
August	93.8	90.1	92.9	80.7	85.3	85.0	84.2	81.3	83.2	87.4
September	94.7	91.2	94.5	82.8	88.9	87.6	84.4	77.4	80.4	88.3
October	97.8	95.4	100.6	87.2	90.2	88.1	87.1	82.6	84.5	88.9
November	100.3	97.8	101.7	89.5	91.8	92.2	88.3	81.5	85.0	93.6
December	100.9	98.2	101.8	89.9	92.5	93.6	85.8	82.1	81.8	88.9
<b>1997</b>	<b>105.7</b>	<b>103.3</b>	<b>106.5</b>	<b>95.0</b>	<b>94.8</b>	<b>96.2</b>	<b>91.0</b>	<b>87.0</b>	<b>86.5</b>	<b>94.2</b>
<b>1998</b>										
January	100.4	96.2	101.4	89.2	92.1	91.0	82.5	80.3	79.7	85.9
February	98.7	95.4	100.8	88.5	91.4	88.9	80.6	79.1	78.8	85.0
March	96.8	92.6	98.3	86.3	89.6	88.6	79.4	76.9	77.9	83.3
April	93.1	91.3	97.1	84.0	88.4	86.8	79.0	73.6	77.0	81.8
May	89.0	89.2	95.0	82.1	83.8	82.1	76.3	69.4	73.2	79.9
June	85.8	83.6	92.1	75.7	82.4	79.9	74.2	66.4	72.1	79.3
July	81.2	78.7	89.0	70.1	81.2	73.5	72.7	70.5	69.7	76.5
August	79.4	76.8	83.8	69.9	79.8	72.7	70.8	NA	70.6	74.5
September	81.7	80.0	85.2	71.7	81.5	72.6	72.5	66.3	72.5	75.9
October	80.3	82.0	88.0	74.1	80.5	76.9	73.8	69.8	73.0	77.3
November	82.1	83.1	89.3	76.6	81.6	76.8	73.1	70.9	71.8	77.9
December	80.3	82.2	89.3	75.9	79.9	73.8	71.3	66.6	69.1	77.9
<b>1998</b>	<b>90.2</b>	<b>88.9</b>	<b>94.9</b>	<b>81.4</b>	<b>86.3</b>	<b>81.8</b>	<b>76.5</b>	<b>73.6</b>	<b>74.8</b>	<b>80.3</b>
<b>1999</b>										
January	85.7	83.3	90.3	77.8	81.2	74.6	71.7	68.6	71.4	76.2
February	86.1	83.1	89.5	77.3	81.2	71.4	71.1	66.0	70.9	76.5
March	86.9	83.3	90.5	77.3	81.6	78.4	73.8	67.9	73.8	77.5
April	86.9	88.6	94.2	75.8	85.0	71.9	76.5	63.7	76.0	81.5
May	84.5	87.0	95.5	75.3	84.2	71.2	75.3	60.5	72.9	NA
June	81.8	84.4	96.1	73.8	83.2	66.2	74.4	57.9	74.0	NA
July	84.4	85.1	95.1	73.4	84.1	69.5	77.9	62.8	76.3	NA
August	85.9	87.4	NA	74.7	87.3	75.9	82.5	NA	84.4	NA
September <sup>a</sup>	NA	NA	NA	NA	NA	NA	86.3	NA	NA	NA

See footnotes at end of table.

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	PAD District II (Continued)			PAD District III Average	PAD District IV		PAD District V			
	MN	OH	WI		Average	ID	Average	AK	OR	WA
1978	47.8	47.4	44.7	—	—	43.6	—	53.2	45.8	48.6
1979	72.4	68.6	67.3	—	—	62.1	—	68.2	68.0	69.7
1980	99.9	91.9	91.5	—	—	91.6	—	97.8	97.3	100.8
1981	118.4	113.2	109.1	—	—	110.4	—	118.0	111.4	116.5
1982	115.1	110.2	107.8	—	—	110.4	—	117.4	111.6	117.6
1983	103.1	101.3	101.2	87.4	94.2	101.8	106.4	108.8	103.6	109.0
1984	104.1	102.1	101.0	97.9	96.8	98.5	101.5	106.9	99.3	102.6
1985	101.9	99.7	98.3	92.5	96.1	97.2	100.9	108.3	97.1	101.1
1986	79.2	77.7	75.6	67.4	70.6	73.8	78.1	94.9	70.4	77.5
1987	74.6	74.7	75.1	63.7	69.6	68.8	77.8	86.5	72.5	79.5
1988	73.5	74.7	73.9	62.8	69.1	68.8	76.9	86.9	70.9	78.5
1989	82.4	81.6	81.1	70.7	78.6	77.8	86.6	96.4	80.2	87.4
1990	101.4	98.1	94.2	85.5	97.0	97.4	102.6	110.1	97.0	102.9
1991	91.1	91.0	89.5	78.7	92.4	95.1	99.8	105.0	93.3	101.6
1992	82.6	83.6	81.6	71.3	84.8	85.7	92.1	94.1	87.6	94.0
1993	83.2	84.0	82.3	75.4	86.0	86.2	96.8	96.1	91.8	99.9
1994	80.6	81.2	81.1	71.4	78.6	78.9	90.9	86.5	88.7	95.0
1995	80.1	80.8	81.2	69.0	84.4	83.9	90.6	83.4	89.4	96.2
1996	90.9	92.1	89.9	77.5	94.2	93.3	99.9	90.9	98.9	108.0
<b>1997</b>										
January	99.4	100.7	98.3	85.5	96.8	94.9	108.5	97.2	105.7	117.6
February	97.0	98.4	96.8	79.7	97.3	94.5	109.1	97.7	106.7	118.8
March	91.4	92.3	96.8	75.1	97.5	100.6	109.3	98.9	107.5	116.6
April	89.4	92.3	92.9	74.7	95.9	98.3	107.7	97.6	106.0	114.9
May	89.0	90.4	93.4	70.9	94.5	98.4	103.9	96.5	104.6	109.1
June	87.2	86.8	90.8	70.3	NA	93.4	102.5	96.1	100.2	112.2
July	84.7	83.2	86.9	70.4	89.9	89.9	103.3	97.6	96.8	NA
August	84.7	81.7	86.5	72.3	88.6	91.2	101.6	96.5	99.2	108.8
September	83.6	84.2	88.0	72.1	91.1	92.5	103.6	96.8	101.2	110.9
October	86.2	88.2	89.5	73.9	91.8	93.0	104.3	97.8	101.6	111.6
November	86.4	89.2	89.8	72.9	93.7	94.4	105.7	98.2	102.3	112.8
December	84.4	85.8	88.6	68.5	92.4	93.4	102.4	96.4	98.4	109.0
<b>1997</b>	<b>89.9</b>	<b>91.3</b>	<b>93.3</b>	<b>73.8</b>	<b>93.7</b>	<b>95.3</b>	<b>106.0</b>	<b>97.3</b>	<b>103.1</b>	<b>113.9</b>
<b>1998</b>										
January	81.5	81.9	85.4	66.2	83.3	85.0	98.9	NA	93.6	105.7
February	78.1	80.6	83.7	64.7	79.4	80.8	95.0	87.1	89.3	102.4
March	77.2	79.3	82.5	62.3	77.0	78.6	92.8	86.2	85.8	99.6
April	77.8	79.2	81.5	63.0	78.0	78.3	92.7	86.6	86.2	99.9
May	73.1	77.8	80.5	61.2	74.3	74.4	90.9	86.1	85.2	98.9
June	69.3	74.4	78.8	W	72.1	69.6	86.3	85.8	81.8	91.5
July	69.3	72.6	77.8	W	77.8	77.9	82.7	81.8	80.6	87.0
August	68.2	70.1	75.5	55.1	77.9	79.7	84.1	82.5	82.4	88.5
September	70.5	72.2	74.9	59.8	78.3	78.4	86.5	83.4	83.7	91.2
October	70.7	74.4	76.9	57.9	78.6	78.8	88.7	84.3	83.9	94.2
November	70.3	73.4	76.5	55.6	77.0	76.5	89.2	82.7	82.4	97.2
December	67.9	71.7	74.6	51.9	71.6	71.9	88.4	82.5	81.9	95.0
<b>1998</b>	<b>73.9</b>	<b>76.6</b>	<b>80.1</b>	<b>65.6</b>	<b>77.6</b>	<b>78.3</b>	<b>91.4</b>	<b>85.1</b>	<b>85.9</b>	<b>98.6</b>
<b>1999</b>										
January	68.0	72.8	75.0	53.8	68.7	68.5	87.1	80.6	81.8	93.0
February	67.0	72.1	73.9	51.0	69.0	67.9	87.1	81.2	79.9	93.5
March	69.6	76.6	76.4	52.2	71.7	71.0	93.6	84.7	87.3	101.6
April	73.5	76.5	77.8	NA	NA	NA	104.3	NA	97.5	111.4
May	72.5	76.1	77.3	59.5	75.2	76.0	101.1	96.0	95.3	107.3
June	72.4	77.4	76.4	NA	76.6	75.6	103.2	97.3	104.8	110.3
July	74.0	78.9	79.8	65.0	78.9	NA	103.0	99.2	103.4	110.2
August	81.1	80.5	85.8	70.1	82.3	79.6	NA	NA	104.5	108.2
September <sup>a</sup>	NA	NA	NA	E <sub>67.6</sub>	NA	NA	E <sub>92.8</sub>	NA	NA	NA

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

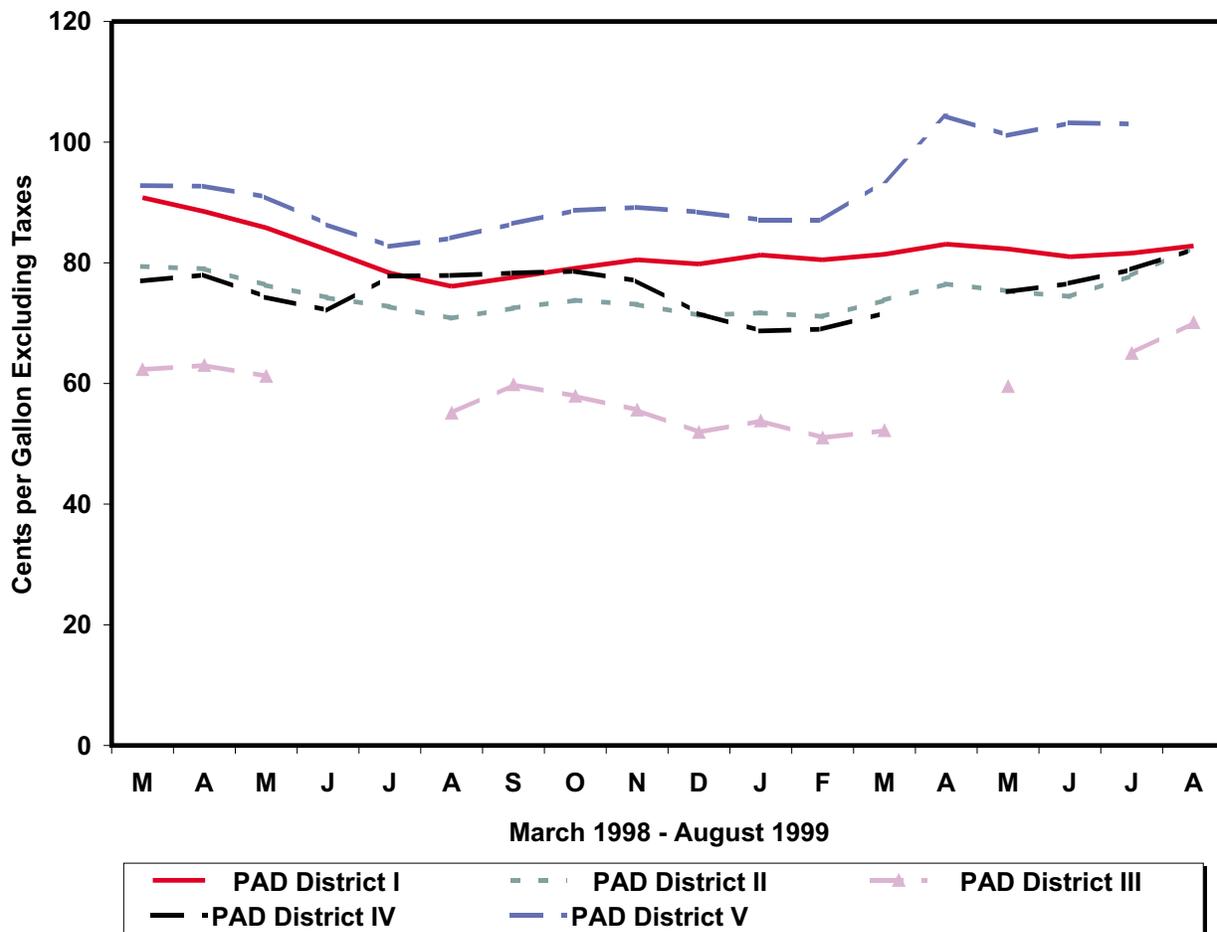
E = Estimated data.

<sup>a</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

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

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

**Figure 6. U.S. No. 2 Distillate Prices to Residences by PAD District**



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

**Table 19. U.S. Refiner Residual Fuel Oil Prices**  
(Cents per Gallon Excluding Taxes)

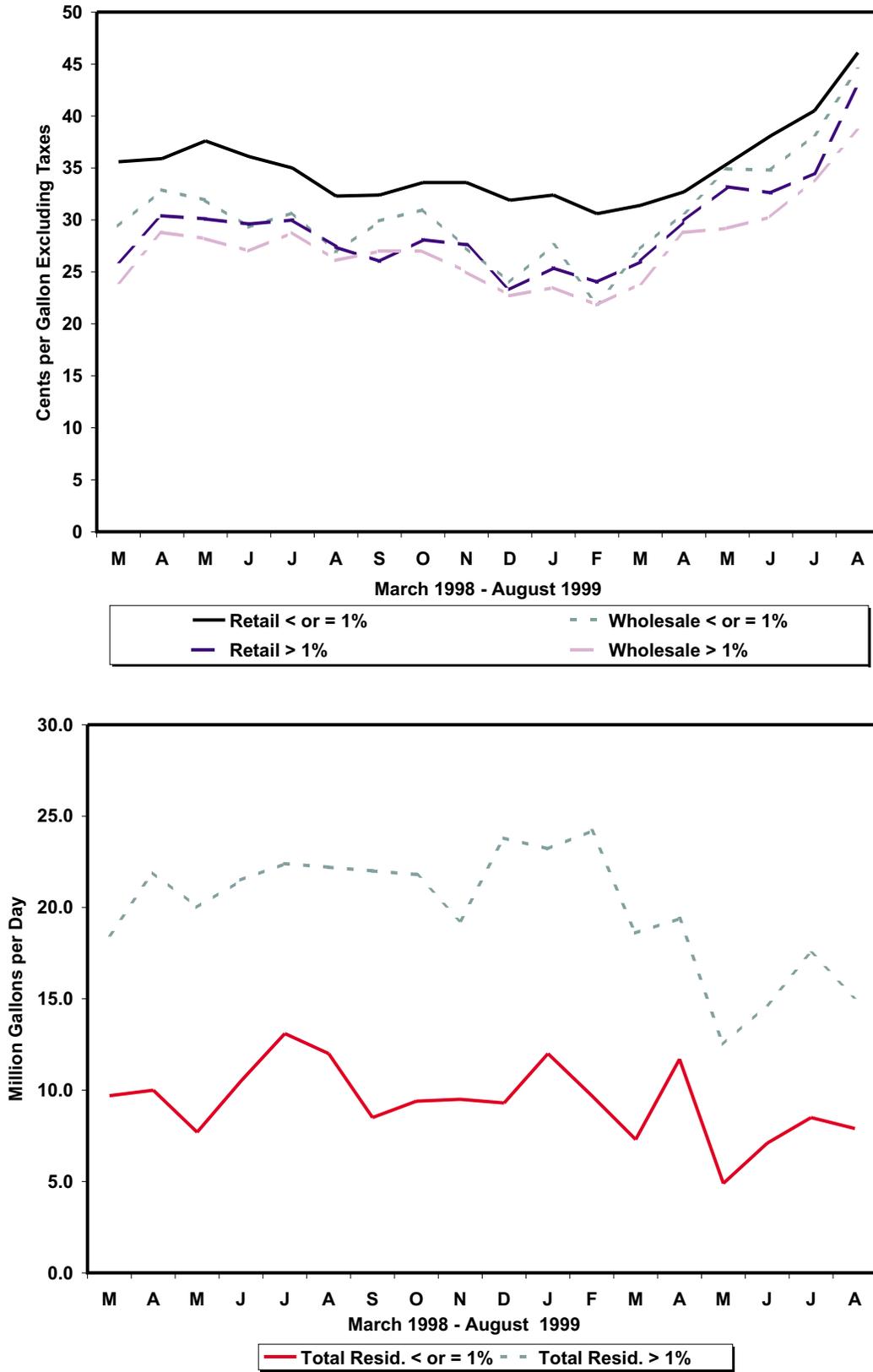
Year Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>1978</b> .....	31.4	29.3	27.5	24.5	29.8	26.3
<b>1979</b> .....	46.8	45.0	38.9	36.6	43.6	39.9
<b>1980</b> .....	67.5	60.8	52.3	47.9	60.7	52.8
<b>1981</b> .....	82.9	74.8	67.3	62.2	75.6	66.3
<b>1982</b> .....	74.7	69.5	61.1	57.2	67.6	61.2
<b>1983</b> .....	69.5	64.3	61.1	59.1	65.1	60.9
<b>1984</b> .....	72.0	68.5	65.9	63.9	68.7	65.4
<b>1985</b> .....	64.4	61.0	58.2	56.0	61.0	57.7
<b>1986</b> .....	37.2	32.8	31.7	28.9	34.3	30.5
<b>1987</b> .....	44.7	41.2	39.6	36.2	42.3	38.5
<b>1988</b> .....	37.2	33.3	30.0	27.1	33.4	30.0
<b>1989</b> .....	43.6	40.7	34.4	33.1	38.5	36.0
<b>1990</b> .....	50.5	47.2	40.0	37.2	44.4	41.3
<b>1991</b> .....	40.2	36.4	30.6	29.2	34.0	31.4
<b>1992</b> .....	38.9	35.1	31.2	28.6	33.6	30.8
<b>1993</b> .....	39.7	33.7	30.3	25.6	33.7	29.3
<b>1994</b> .....	40.1	34.5	33.0	28.7	35.2	31.7
<b>1995</b> .....	43.6	38.3	37.7	33.8	39.2	36.3
<b>1996</b> .....	52.6	45.6	43.3	38.9	45.5	42.0
<b>1997</b>						
January .....	58.7	46.2	46.3	39.3	49.5	42.9
February .....	54.6	43.7	41.8	35.4	45.2	39.3
March .....	49.3	39.8	37.6	33.9	40.3	35.8
April .....	46.4	37.6	37.5	35.2	39.7	36.1
May .....	45.2	36.7	38.6	35.4	40.3	35.8
June .....	44.4	39.5	38.7	34.7	40.1	36.7
July .....	44.2	38.5	38.2	35.3	39.6	36.5
August .....	44.6	39.4	39.5	37.5	40.7	38.3
September .....	46.4	40.1	40.1	37.5	41.3	38.7
October .....	48.2	44.6	42.9	39.7	43.9	42.0
November .....	51.2	46.5	43.8	41.6	45.7	43.5
December .....	48.5	38.7	37.8	32.8	40.2	35.6
<b>1997</b> .....	<b>48.8</b>	<b>41.5</b>	<b>40.3</b>	<b>36.6</b>	<b>42.3</b>	<b>38.7</b>
<b>1998</b>						
January .....	44.7	35.2	32.5	28.9	35.3	31.1
February .....	39.6	30.7	30.6	26.6	32.7	28.2
March .....	35.6	29.4	26.0	24.0	28.6	26.4
April .....	35.9	32.9	30.4	28.8	31.7	30.3
May .....	37.6	31.9	30.1	28.2	31.8	29.4
June .....	36.1	29.3	29.6	27.0	31.3	27.9
July .....	35.0	30.7	30.0	28.8	31.4	29.6
August .....	32.3	26.9	27.4	26.1	28.7	26.5
September .....	32.4	29.9	26.0	27.0	27.6	27.9
October .....	33.6	31.0	28.1	27.0	29.7	28.3
November .....	33.6	27.3	27.6	25.0	29.3	25.8
December .....	31.9	24.0	23.3	22.7	25.4	23.2
<b>1998</b> .....	<b>35.4</b>	<b>29.9</b>	<b>28.4</b>	<b>26.8</b>	<b>30.2</b>	<b>27.9</b>
<b>1999</b>						
January .....	32.4	27.6	25.4	23.5	27.2	25.2
February .....	30.6	21.9	24.0	21.8	25.8	21.8
March .....	31.4	27.2	26.0	23.9	27.5	24.9
April .....	32.7	30.7	29.9	28.8	30.9	29.5
May .....	NA	34.9	33.2	29.2	34.6	32.1
June .....	38.1	34.8	32.6	30.3	34.3	31.9
July .....	40.5	38.2	34.5	33.9	36.1	35.6
August .....	46.1	44.5	42.9	38.6	43.6	42.0

NA = Not available.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 7. U.S. Refiner Residual Fuel Oil Prices and Volumes**



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

**Table 20. U.S. Refiner Residual Fuel Oil Volumes**  
(Million Gallons per Day)

Year Month	Sulfur Less Than or Equal to 1 Percent		Sulfur 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
<b>1983</b> .....	13.4	7.2	14.9	12.9	28.3	20.2
<b>1984</b> .....	15.1	6.7	17.8	14.6	32.9	21.3
<b>1985</b> .....	11.4	7.0	13.8	12.9	25.2	19.9
<b>1986</b> .....	15.2	7.9	16.4	10.7	31.6	18.6
<b>1987</b> .....	15.1	7.8	13.9	9.1	29.0	16.9
<b>1988</b> .....	14.2	8.7	15.9	10.3	30.2	18.9
<b>1989</b> .....	13.4	7.9	17.0	13.1	30.4	21.0
<b>1990</b> .....	11.1	7.4	14.9	10.5	25.9	17.9
<b>1991</b> .....	8.6	5.6	15.5	12.2	24.0	17.8
<b>1992</b> .....	7.1	5.2	15.3	10.0	22.4	15.2
<b>1993</b> .....	6.2	5.7	11.1	6.9	17.2	12.6
<b>1994</b> .....	4.2	6.6	9.3	6.2	13.5	12.8
<b>1995</b> .....	2.9	7.7	8.7	5.9	11.6	13.6
<b>1996</b> .....	3.1	6.3	9.8	7.4	12.9	13.8
<b>1997</b>						
January .....	3.6	7.3	10.2	6.8	13.8	14.1
February .....	3.8	6.5	10.4	7.3	14.1	13.9
March .....	3.2	3.0	10.4	6.4	13.6	9.4
April .....	2.8	3.7	8.7	6.8	11.5	10.5
May .....	2.7	2.7	8.0	5.5	10.7	8.2
June .....	3.0	4.3	9.3	6.0	12.3	10.4
July .....	3.2	4.1	10.2	6.8	13.5	10.9
August .....	2.9	5.1	9.2	7.0	12.1	12.1
September .....	2.6	5.0	10.1	6.6	12.6	11.6
October .....	2.9	5.7	12.2	6.7	15.1	12.4
November .....	3.6	4.6	10.8	7.2	14.4	11.8
December .....	3.9	6.0	13.6	6.8	17.5	12.9
<b>1997</b> .....	<b>3.2</b>	<b>4.8</b>	<b>10.3</b>	<b>6.7</b>	<b>13.4</b>	<b>11.5</b>
<b>1998</b>						
January .....	3.6	4.8	11.9	9.2	15.5	14.0
February .....	3.1	4.1	10.4	6.2	13.5	10.2
March .....	4.2	5.5	11.3	7.2	15.5	12.7
April .....	3.5	6.5	11.0	10.9	14.4	17.4
May .....	3.0	4.7	10.2	9.8	13.2	14.5
June .....	3.7	6.8	10.2	11.3	13.8	18.2
July .....	4.5	8.6	11.6	10.8	16.0	19.4
August .....	4.8	7.2	13.0	9.2	17.8	16.5
September .....	3.2	5.3	9.8	12.2	13.0	17.4
October .....	4.0	5.4	10.0	11.8	14.0	17.2
November .....	4.1	5.0	10.1	9.2	14.2	14.1
December .....	4.4	4.9	13.7	10.1	18.1	15.0
<b>1998</b> .....	<b>3.9</b>	<b>5.7</b>	<b>11.1</b>	<b>9.8</b>	<b>15.0</b>	<b>15.6</b>
<b>1999</b>						
January .....	4.4	7.6	12.8	10.4	17.1	18.0
February .....	4.4	5.3	11.9	12.3	16.2	17.6
March .....	4.1	3.2	10.6	8.0	14.7	11.3
April .....	5.0	6.7	9.1	10.3	14.1	17.0
May .....	NA	4.9	7.8	4.7	14.7	9.6
June .....	3.6	3.5	8.2	6.5	11.8	10.1
July .....	4.1	4.4	10.6	6.9	14.7	11.3
August .....	3.3	4.6	11.8	3.3	15.1	7.9

NA = Not available.

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

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

# **Crude Oil Prices**



**Table 21. Domestic Crude Oil First Purchase Prices**  
(Dollars per Barrel)

Year Month	U.S. Average		PAD District I				PAD District II						
	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
1978	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	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	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	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	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	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	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	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	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	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	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	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	20.03	21.57	22.06	23.32	23.00	22.16	22.88	23.36	23.46	23.21	23.20	22.92	21.94
1991	16.54	18.16	19.01	19.67	19.48	W	19.58	20.19	20.20	19.84	19.84	19.88	18.78
1992	15.99	17.38	18.52	19.05	19.01	18.09	18.63	19.26	19.27	18.50	18.75	18.99	17.51
1993	14.25	15.31	17.28	17.20	17.53	16.76	16.27	16.97	16.97	15.95	16.51	16.79	14.90
1994	13.19	14.30	16.23	15.94	16.13	15.68	15.05	15.76	15.66	14.71	15.33	15.43	13.60
1995	14.62	15.72	17.18	16.74	16.93	16.53	16.39	16.95	16.88	16.19	16.43	16.63	15.18
1996	18.46	19.41	20.82	20.95	20.99	19.59	20.33	20.86	20.67	20.47	20.24	20.32	19.57
<b>1997</b>													
January	21.76	22.68	23.97	23.71	23.95	22.31	23.44	23.94	23.66	23.72	23.11	23.52	22.93
February	19.38	19.89	22.68	20.95	21.06	19.63	20.54	21.09	20.81	20.61	19.62	21.01	19.88
March	17.83	18.34	20.14	19.70	19.68	18.39	19.08	19.59	19.15	19.16	18.30	19.13	18.50
April	16.63	17.19	18.95	18.35	18.04	17.35	18.00	18.51	18.11	18.09	17.36	17.79	17.40
May	17.23	18.03	18.82	18.56	18.64	17.99	18.95	19.50	19.12	18.93	18.30	18.98	18.37
June	15.88	16.49	17.96	16.93	16.98	16.25	17.17	17.88	17.59	17.09	16.51	17.12	16.55
July	15.89	16.68	17.88	17.14	17.05	16.49	17.54	18.19	17.90	17.46	16.90	17.51	16.94
August	16.19	17.06	18.09	17.24	17.09	16.52	17.71	18.38	18.00	17.63	17.09	17.56	17.11
September	16.41	17.05	17.80	16.97	16.71	16.22	17.58	18.24	17.80	17.54	17.07	17.58	17.74
October	17.66	18.55	19.11	W	18.34	17.45	19.16	19.68	19.29	19.11	18.44	19.15	18.52
November	16.83	17.47	18.68	18.40	18.81	16.70	18.03	18.60	18.21	17.89	17.30	18.31	17.29
December	15.04	15.69	16.99	16.85	17.13	15.12	16.32	16.96	16.53	16.14	15.66	17.26	15.47
<b>1997</b>	<b>17.23</b>	<b>17.92</b>	<b>19.25</b>	<b>18.49</b>	<b>18.79</b>	<b>17.56</b>	<b>18.60</b>	<b>19.11</b>	<b>18.73</b>	<b>18.63</b>	<b>17.97</b>	<b>18.75</b>	<b>18.10</b>
<b>1998</b>													
January	13.48	13.91	15.41	15.59	15.84	14.06	14.67	15.29	15.01	14.60	14.01	14.85	13.84
February	12.16	13.00	14.65	14.70	15.24	13.22	14.00	14.53	14.19	13.90	13.31	14.18	13.15
March	11.53	11.86	13.85	W	14.21	12.42	12.93	13.60	13.29	12.85	12.41	13.08	12.09
April	11.64	12.05	13.97	W	14.63	12.94	13.26	13.73	13.45	13.18	12.65	13.39	12.47
May	11.49	11.83	13.68	13.99	14.19	12.44	12.67	13.28	12.98	12.58	12.06	12.72	11.86
June	10.00	10.57	12.65	W	13.15	11.29	11.27	11.84	11.65	11.18	10.84	11.46	10.36
July	10.46	11.02	12.78	W	13.37	11.49	11.70	12.19	11.86	11.56	11.17	11.96	10.77
August	10.18	10.66	12.20	W	12.66	10.96	11.20	11.69	11.45	10.96	10.54	11.19	10.22
September	11.28	11.97	13.36	W	14.04	12.21	12.73	13.10	12.74	12.50	12.04	12.72	11.79
October	11.32	11.80	13.14	W	13.67	11.93	12.19	12.61	12.33	12.03	11.40	11.96	11.23
November	9.65	10.35	12.12	W	12.61	10.89	10.79	11.12	10.79	10.54	9.94	10.31	9.70
December	8.05	8.80	10.49	W	10.97	9.00	9.27	9.79	9.61	8.98	8.26	8.75	8.57
<b>1998</b>	<b>10.88</b>	<b>11.52</b>	<b>13.21</b>	<b>13.66</b>	<b>13.67</b>	<b>11.95</b>	<b>12.28</b>	<b>12.78</b>	<b>12.49</b>	<b>12.19</b>	<b>11.67</b>	<b>12.28</b>	<b>11.50</b>
<b>1999</b>													
January	8.59	9.57	11.09	W	11.88	9.84	10.34	10.60	9.89	10.11	9.47	10.14	9.81
February	8.58	9.27	10.84	W	11.58	9.49	10.02	10.18	9.85	9.66	9.02	11.71	9.35
March	10.75	11.55	12.51	W	13.50	11.63	12.74	12.83	12.50	12.47	11.76	12.86	12.33
April	12.84	13.94	14.94	W	16.14	14.44	15.14	15.42	15.00	15.05	14.22	14.92	14.96
May	13.84	14.75	15.91	W	16.92	15.28	15.85	16.04	15.58	15.65	14.69	15.34	15.61
June	14.34	15.00	16.09	W	16.91	15.20	16.14	16.19	15.72	15.95	14.92	15.60	15.77
July	16.13	16.86	18.08	W	19.00	17.34	18.09	17.81	18.17	17.93	17.00	17.73	17.94
August	17.57	18.28	19.26	W	20.09	18.46	19.16	19.40	19.29	19.02	18.59	18.94	19.03

See footnotes at end of table.

**Table 21. Domestic Crude Oil First Purchase Prices**

(Dollars per Barrel) — Continued

Year Month	PAD District II (Continued)				PAD District III							Federal Offshore Gulf
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	
1978 .....	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 .....	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 .....	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 .....	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 .....	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 .....	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 .....	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 .....	25.32	25.11	26.28	25.79	26.91	25.77	25.79	27.22	25.51	26.84	26.80	27.33
1986 .....	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 .....	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 .....	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 .....	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 .....	21.94	23.09	22.95	22.32	22.42	22.09	21.56	23.04	21.06	22.44	22.37	22.40
1991 .....	18.80	19.59	19.59	19.21	19.23	19.05	18.06	20.14	17.65	19.35	19.04	19.41
1992 .....	18.02	18.96	18.74	18.19	18.37	18.22	17.33	19.00	16.70	18.55	18.32	18.35
1993 .....	15.42	17.44	16.47	15.39	16.23	16.21	15.03	16.90	14.59	16.44	16.19	16.15
1994 .....	14.08	15.98	15.33	14.24	14.97	15.00	13.74	15.60	13.45	15.32	14.98	14.75
1995 .....	15.58	16.67	16.68	15.53	16.38	16.35	14.84	17.06	14.76	16.74	16.38	16.17
1996 .....	19.46	19.96	20.60	19.56	20.29	20.24	18.67	20.88	18.95	20.79	20.31	20.03
<b>1997</b>												
January .....	22.29	22.59	23.82	22.78	23.58	23.05	22.36	24.30	22.03	23.96	23.48	23.56
February .....	19.49	19.92	20.94	19.72	20.71	20.70	19.36	21.40	19.15	21.02	20.49	20.90
March .....	18.15	18.64	19.43	18.31	19.01	18.83	18.02	19.52	17.51	19.45	18.95	18.96
April .....	17.18	17.51	18.37	17.30	17.83	17.53	17.04	18.40	16.43	18.40	17.88	17.52
May .....	18.13	18.18	19.35	18.17	18.85	18.76	17.93	19.35	17.37	19.26	18.97	18.45
June .....	16.30	16.49	17.59	16.48	17.24	17.19	16.19	17.66	15.53	17.60	17.24	17.14
July .....	16.60	16.61	18.03	16.65	17.56	17.31	16.52	17.98	15.88	17.89	17.58	17.44
August .....	16.79	16.71	18.23	W	17.85	17.56	16.70	18.27	16.05	18.13	17.86	17.76
September .....	16.71	16.33	18.06	W	17.78	17.63	16.62	18.27	15.92	18.01	17.74	17.77
October .....	18.30	17.81	19.68	W	19.25	19.05	18.11	19.88	17.51	19.51	19.25	19.09
November .....	17.16	16.89	18.53	W	18.28	18.17	17.05	18.75	16.32	18.51	18.19	18.40
December .....	15.34	15.36	16.78	15.87	16.43	16.42	15.24	17.00	14.64	16.57	16.32	16.56
<b>1997 .....</b>	<b>17.63</b>	<b>17.77</b>	<b>19.05</b>	<b>17.80</b>	<b>18.69</b>	<b>18.58</b>	<b>17.58</b>	<b>19.22</b>	<b>16.94</b>	<b>19.02</b>	<b>18.66</b>	<b>18.63</b>
<b>1998</b>												
January .....	13.69	14.28	15.16	W	14.70	14.73	13.57	15.23	13.14	14.90	14.70	14.59
February .....	13.05	13.35	14.48	13.03	13.85	13.84	12.91	14.33	12.24	14.16	13.95	13.60
March .....	11.92	12.58	13.41	W	12.68	12.54	11.83	13.03	10.92	13.08	12.80	12.44
April .....	12.32	13.12	13.72	W	12.72	12.60	12.12	12.99	11.04	13.33	13.04	12.19
May .....	11.68	12.63	13.13	W	12.61	12.41	11.50	13.04	10.50	12.76	12.62	12.57
June .....	10.29	11.60	11.72	W	11.27	11.15	10.16	11.58	8.93	11.26	11.24	11.37
July .....	10.91	11.70	12.06	12.69	11.61	11.40	10.48	11.97	9.29	11.66	11.74	11.45
August .....	10.37	11.20	11.69	W	11.19	11.10	9.90	11.60	8.89	11.28	11.34	11.00
September .....	11.87	12.41	13.30	W	12.59	12.43	11.36	13.15	10.45	12.77	12.74	12.28
October .....	11.47	12.06	12.66	W	12.36	12.02	10.90	12.60	9.94	12.40	12.46	12.29
November .....	10.18	11.07	11.25	12.77	10.87	10.65	9.48	11.04	8.91	10.89	10.90	10.90
December .....	8.59	9.22	9.76	W	9.25	9.09	7.82	9.69	7.71	9.08	9.19	9.34
<b>1998 .....</b>	<b>11.38</b>	<b>12.20</b>	<b>12.73</b>	<b>12.29</b>	<b>12.18</b>	<b>12.08</b>	<b>11.10</b>	<b>12.59</b>	<b>10.33</b>	<b>12.36</b>	<b>12.28</b>	<b>12.01</b>
<b>1999</b>												
January .....	9.52	10.06	10.89	9.37	10.15	9.98	8.98	10.58	8.76	10.34	10.37	9.77
February .....	9.17	9.70	10.40	W	9.88	9.46	8.49	10.04	8.28	9.98	9.98	9.79
March .....	11.72	11.71	13.41	10.57	12.16	11.44	11.15	12.43	10.50	12.61	12.47	11.70
April .....	14.24	14.32	15.68	W	14.53	13.71	13.75	15.07	12.70	14.98	15.10	13.70
May .....	15.20	15.18	16.36	W	15.33	14.69	14.34	15.83	13.30	15.79	15.79	14.66
June .....	15.33	15.06	16.84	W	15.72	14.92	14.57	16.09	13.52	15.98	15.94	15.43
July .....	17.38	17.12	18.76	W	17.54	16.85	16.70	18.25	15.75	18.05	17.92	16.93
August .....	18.68	18.27	19.55	19.11	18.94	18.42	17.85	19.86	16.98	19.19	19.23	18.39

See footnotes at end of table.

**Table 21. Domestic Crude Oil First Purchase Prices**

(Dollars per Barrel) — Continued

Year Month	PAD District IV					PAD District V				
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore California
1978	9.50	10.84	9.04	9.98	9.16	6.60	5.21	5.45	8.58	6.10
1979	11.98	13.28	12.03	11.41	11.73	11.17	10.57	6.22	12.78	8.06
1980	21.29	22.91	20.53	19.79	21.34	19.09	16.87	10.25	23.87	16.28
1981	33.38	35.69	34.69	34.14	32.30	24.79	23.23	30.15	26.80	24.56
1982	30.14	31.56	31.25	30.50	29.37	21.84	19.92	27.74	24.58	23.37
1983	27.81	28.92	28.80	28.12	27.19	19.66	17.69	23.59	22.61	20.54
1984	27.18	28.09	28.07	27.21	26.73	19.52	17.91	24.37	22.09	20.41
1985	24.78	25.64	25.29	23.98	24.67	19.11	16.98	22.46	22.14	20.08
1986	13.24	13.98	13.58	13.33	12.94	8.53	6.45	13.13	11.90	9.48
1987	16.77	17.71	16.57	17.22	16.45	11.89	10.83	15.48	13.92	11.82
1988	13.85	14.83	13.84	14.24	13.47	9.28	8.43	12.92	10.97	9.41
1989	17.37	18.86	17.03	18.63	16.73	12.71	12.00	16.17	14.06	12.64
1990	21.68	23.16	21.61	22.61	21.04	16.15	15.23	21.16	17.81	16.21
1991	18.21	19.95	18.17	19.99	17.33	12.30	11.57	15.36	13.72	11.33
1992	17.27	19.04	17.08	19.39	16.38	12.32	11.73	15.56	13.55	10.78
1993	15.30	16.59	14.70	17.48	14.59	11.23	10.84	14.11	12.11	9.20
1994	14.27	15.44	13.43	16.38	13.67	10.53	9.77	13.87	12.12	9.32
1995	15.90	16.67	14.93	17.71	15.50	12.08	11.12	15.28	14.00	10.81
1996	19.85	20.47	18.89	21.10	19.56	15.73	15.32	18.43	16.72	13.82
<b>1997</b>										
January	22.79	23.72	21.85	23.49	22.55	19.19	18.84	22.76	20.04	17.40
February	19.73	20.80	18.59	20.50	19.45	17.50	17.72	19.83	17.52	14.71
March	18.32	19.55	17.51	18.84	17.99	16.04	16.09	18.49	16.39	13.47
April	17.16	18.39	16.39	17.76	16.81	14.80	14.70	16.48	15.47	12.30
May	18.11	19.42	17.22	18.72	17.74	14.73	14.45	16.98	15.61	12.45
June	16.35	17.64	15.61	17.24	15.90	13.84	13.70	15.12	14.54	11.38
July	16.69	18.01	15.92	17.46	16.29	13.29	12.97	15.19	14.17	11.20
August	16.99	18.15	16.18	17.83	16.61	13.64	12.94	15.65	14.92	12.30
September	16.81	18.09	15.99	17.58	16.42	14.44	14.11	15.74	15.28	12.57
October	18.34	19.74	17.64	19.22	17.89	15.24	14.52	17.20	16.59	14.19
November	17.05	18.38	16.39	18.26	16.51	14.71	14.54	16.62	15.30	12.70
December	15.42	16.72	15.37	16.44	14.71	13.02	12.81	W	13.66	11.19
<b>1997</b>	<b>17.80</b>	<b>19.03</b>	<b>17.00</b>	<b>18.57</b>	<b>17.41</b>	<b>15.06</b>	<b>14.84</b>	<b>17.43</b>	<b>15.78</b>	<b>12.97</b>
<b>1998</b>										
January	13.60	15.10	13.72	14.84	12.79	11.54	11.82	W	11.53	9.11
February	12.96	14.35	13.10	14.17	12.16	9.46	9.15	W	10.27	7.53
March	11.84	13.35	12.08	12.93	10.97	9.67	10.29	W	9.25	6.52
April	12.31	13.52	12.40	13.47	11.54	9.72	10.08	W	9.57	6.85
May	11.93	12.99	11.82	13.08	11.19	9.66	10.17	11.27	9.39	6.53
June	10.36	11.59	10.40	11.49	9.63	8.01	7.74	10.87	8.64	6.03
July	10.92	12.05	11.01	12.05	10.20	8.63	8.25	11.83	9.42	6.75
August	10.25	11.20	10.20	11.60	9.58	8.70	8.39	11.51	9.39	6.74
September	11.82	12.91	11.74	12.96	11.19	9.36	8.69	12.90	10.41	7.84
October	11.55	12.41	11.35	12.73	11.04	9.92	9.89	W	10.31	7.99
November	10.07	10.74	9.99	11.04	9.64	7.88	7.16	10.48	9.11	6.68
December	8.49	9.28	8.61	9.26	8.05	6.33	5.46	8.85	7.81	5.04
<b>1998</b>	<b>11.38</b>	<b>12.54</b>	<b>11.29</b>	<b>12.53</b>	<b>10.70</b>	<b>8.84</b>	<b>8.49</b>	<b>11.47</b>	<b>9.61</b>	<b>6.98</b>
<b>1999</b>										
January	9.72	10.54	9.68	10.55	9.30	6.28	5.22	W	7.88	5.31
February	9.39	10.24	8.97	10.12	9.09	6.56	6.06	W	7.38	5.38
March	12.05	12.74	11.70	12.87	11.77	8.49	7.86	W	9.37	7.35
April	14.61	15.24	14.25	15.42	14.34	9.92	8.57	W	11.73	9.10
May	15.36	15.91	14.91	16.00	15.16	11.34	10.45	W	12.61	10.51
June	15.56	16.32	15.26	15.88	15.36	11.94	11.68	W	12.38	10.37
July	17.61	18.13	17.14	18.38	17.39	13.61	13.22	W	14.25	12.18
August	18.66	19.31	18.26	19.31	18.43	15.27	14.77	W	15.88	14.21

W = Withheld to avoid disclosure of individual company data.

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

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

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

**Table 22. Domestic Crude Oil First Purchase Prices for Selected Crude Streams**  
(Dollars per Barrel)

Year Month	Alaska North Slope	California Midway- Sunset	California Kern River	California Wilmington	Louisiana South Mix	North Dakota Sweet	West Texas Intermediate	West Texas Sour	Wyoming Sour
<b>1994</b> .....	<b>9.77</b>	<b>11.79</b>	<b>11.65</b>	<b>12.47</b>	<b>15.71</b>	<b>14.54</b>	<b>15.65</b>	<b>14.16</b>	<b>11.87</b>
<b>1995</b> .....	<b>11.12</b>	<b>13.37</b>	<b>13.59</b>	<b>14.70</b>	<b>17.14</b>	<b>16.02</b>	<b>17.03</b>	<b>15.52</b>	<b>14.06</b>
<b>1996</b> .....	<b>15.32</b>	<b>15.70</b>	<b>15.97</b>	<b>17.13</b>	<b>20.89</b>	<b>19.82</b>	<b>20.96</b>	<b>19.49</b>	<b>18.16</b>
<b>1997</b>									
January .....	18.84	18.86	19.05	20.06	24.17	22.90	24.09	22.62	20.87
February .....	17.72	15.98	16.29	17.30	21.31	19.92	21.15	19.54	17.52
March .....	16.09	15.25	15.40	16.39	19.56	18.59	19.72	17.67	15.92
April .....	14.70	14.25	14.61	15.61	18.31	17.56	18.66	16.74	14.84
May .....	14.45	14.86	14.99	16.23	19.39	18.44	19.70	17.99	15.58
June .....	13.70	13.64	13.72	14.94	17.60	16.55	17.84	16.30	13.83
July .....	12.97	13.36	13.56	13.94	17.96	16.87	18.19	16.72	14.34
August .....	12.94	14.20	14.59	W	18.23	17.08	18.42	17.03	14.61
September .....	14.11	14.58	14.71	W	18.26	16.94	18.30	16.89	14.43
October .....	14.52	15.96	16.09	W	19.88	18.55	19.82	18.50	15.78
November .....	14.54	14.50	14.36	W	18.78	17.38	18.78	17.25	14.14
December .....	12.81	12.81	12.96	W	17.03	15.55	16.79	15.46	12.13
<b>1997</b> .....	<b>14.84</b>	<b>14.88</b>	<b>15.02</b>	<b>16.44</b>	<b>19.22</b>	<b>17.96</b>	<b>19.27</b>	<b>17.77</b>	<b>15.39</b>
<b>1998</b>									
January .....	11.82	10.52	10.64	W	15.24	13.88	15.35	13.69	10.37
February .....	9.15	8.97	9.11	W	14.36	13.22	14.68	12.93	9.53
March .....	10.29	7.79	8.06	W	12.99	12.11	13.52	11.67	8.47
April .....	10.08	8.14	8.40	W	12.87	12.52	13.74	11.99	8.89
May .....	10.17	8.16	8.37	W	12.97	11.88	13.31	11.76	8.45
June .....	7.74	7.50	7.62	W	11.56	10.49	11.92	10.45	7.07
July .....	8.25	8.23	8.51	W	11.93	11.12	12.30	11.06	7.73
August .....	8.39	8.23	8.46	W	11.53	10.70	11.81	10.73	7.23
September .....	8.69	9.19	9.41	W	13.00	12.18	13.25	12.02	8.99
October .....	9.89	9.44	9.71	W	12.85	11.56	12.96	11.91	9.02
November .....	7.16	7.98	8.14	W	11.00	10.54	11.39	10.27	7.79
December .....	5.46	7.47	6.75	W	9.74	9.02	9.71	8.64	6.33
<b>1998</b> .....	<b>8.49</b>	<b>8.48</b>	<b>8.59</b>	<b>9.11</b>	<b>12.55</b>	<b>11.62</b>	<b>12.90</b>	<b>11.50</b>	<b>8.33</b>
<b>1999</b>									
January .....	5.22	7.14	7.22	7.98	10.59	9.82	10.92	9.75	7.60
February .....	6.06	7.05	7.18	W	10.06	9.55	10.49	9.41	7.40
March .....	7.86	8.65	8.83	W	12.33	12.06	12.97	11.91	10.10
April .....	8.57	10.93	11.19	W	14.91	14.59	15.68	14.41	12.56
May .....	10.45	11.71	11.86	W	15.58	15.59	16.31	15.15	13.52
June .....	11.68	11.22	11.48	W	15.88	15.75	16.53	15.16	13.81
July .....	13.22	13.20	13.54	W	18.18	17.76	18.43	17.27	15.83
August .....	14.77	14.89	15.28	W	19.65	18.84	19.77	18.65	17.15

W = Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

**Table 23. Domestic Crude Oil First Purchase Prices 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 or Greater
<b>1994</b> .....	<b>11.83</b>	<b>12.83</b>	<b>9.79</b>	<b>14.72</b>	<b>14.79</b>	<b>15.62</b>
<b>1995</b> .....	<b>13.26</b>	<b>14.64</b>	<b>11.14</b>	<b>16.15</b>	<b>16.24</b>	<b>16.98</b>
<b>1996</b> .....	<b>16.01</b>	<b>18.61</b>	<b>15.35</b>	<b>19.97</b>	<b>20.23</b>	<b>20.91</b>
<b>1997</b>						
January .....	19.26	21.50	18.87	23.25	23.40	24.07
February .....	16.63	18.34	17.74	20.36	20.62	21.19
March .....	15.75	16.90	16.11	18.64	19.23	19.65
April .....	14.50	15.70	14.72	17.42	18.10	18.62
May .....	15.41	16.33	14.48	18.35	18.81	19.64
June .....	14.16	14.71	13.74	16.87	17.13	17.81
July .....	13.85	15.15	13.00	17.23	17.39	18.14
August .....	14.86	15.50	12.97	17.54	17.68	18.36
September .....	15.07	15.36	14.14	17.50	17.58	18.22
October .....	16.47	16.79	14.56	18.97	19.11	19.73
November .....	15.08	15.21	14.57	18.02	17.98	18.71
December .....	13.50	13.60	12.84	16.17	16.29	16.80
<b>1997</b> .....	<b>15.44</b>	<b>16.27</b>	<b>14.87</b>	<b>18.38</b>	<b>18.62</b>	<b>19.26</b>
<b>1998</b>						
January .....	11.26	11.65	11.84	14.46	14.64	15.28
February .....	9.75	10.69	9.19	13.61	13.91	14.58
March .....	8.78	9.71	10.31	12.41	12.72	13.44
April .....	9.09	10.11	10.10	12.45	13.06	13.62
May .....	9.00	9.86	10.18	12.49	12.53	13.20
June .....	8.30	8.40	7.77	11.13	11.09	11.82
July .....	9.09	9.23	8.28	11.54	11.61	12.21
August .....	9.04	8.72	8.41	11.15	11.19	11.72
September .....	10.06	10.35	8.72	12.50	12.59	13.19
October .....	9.86	9.91	9.90	12.22	12.25	12.76
November .....	8.70	8.86	7.18	10.65	10.95	11.27
December .....	7.81	7.40	5.48	9.15	9.22	9.59
<b>1998</b> .....	<b>9.26</b>	<b>9.66</b>	<b>8.51</b>	<b>12.01</b>	<b>12.17</b>	<b>12.80</b>
<b>1999</b>						
January .....	7.79	8.48	5.25	10.05	10.11	10.79
February .....	7.54	8.22	6.09	9.73	9.90	10.43
March .....	9.41	10.85	7.90	12.07	12.44	12.88
April .....	11.77	13.36	8.63	14.54	15.00	15.54
May .....	12.48	14.23	10.49	15.27	15.81	16.19
June .....	11.74	14.39	11.71	15.47	15.97	16.41
July .....	14.19	16.37	13.26	17.59	18.07	18.34
August .....	15.74	17.66	14.81	19.01	19.02	19.66

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

Source: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

**Table 24. F.O.B.<sup>a</sup> Costs of Imported Crude Oil by Selected Country**  
(Dollars per Barrel)

Year Month	Selected Countries							Persian Gulf <sup>b</sup>	Total OPEC <sup>c</sup>	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1978	13.32	—	13.24	14.05	12.70	13.82	12.38	12.77	13.31	13.23
1979	19.85	—	20.27	21.69	17.28	21.70	16.90	18.77	19.88	20.92
1980	33.45	W	31.06	35.93	28.17	34.36	24.81	28.92	32.21	32.85
1981	35.55	—	33.01	38.31	32.60	36.06	28.95	33.00	35.17	35.12
1982	31.86	—	28.08	35.13	33.73	33.42	23.74	33.55	33.48	30.58
1983	28.14	—	25.20	29.81	27.53	29.91	21.48	27.70	28.46	27.20
1984	27.46	—	26.39	29.51	27.67	28.87	24.23	27.48	27.79	27.45
1985	26.30	—	25.33	28.04	22.04	27.64	23.64	23.31	25.67	25.96
1986	13.30	12.34	11.84	14.35	11.36	13.84	10.92	11.35	12.21	12.87
1987	17.27	17.84	16.36	18.47	15.12	18.28	15.08	15.97	16.43	16.99
1988	13.70	13.61	12.18	15.16	12.16	14.80	12.96	12.38	13.43	13.05
1989	17.66	17.89	15.96	18.31	16.29	17.89	16.09	16.61	17.06	16.72
1990	20.23	20.75	19.26	22.46	20.36	23.43	19.55	18.54	20.40	20.32
1991	18.47	18.49	15.37	20.29	14.62	20.81	14.91	15.22	16.99	16.77
1992	18.41	18.02	15.26	19.98	15.85	19.61	14.39	16.35	16.87	16.66
1993	16.23	15.87	13.74	17.79	13.77	16.64	12.46	14.21	14.78	14.65
1994	15.40	14.99	13.68	16.32	14.12	15.66	12.21	13.97	14.00	14.34
1995	16.58	16.73	15.64	17.40	W	16.94	13.86	W	15.36	16.02
1996	20.71	21.33	19.14	21.27	19.28	19.43	17.73	19.22	18.94	19.65
<b>1997</b>										
January	23.20	24.14	20.98	23.45	17.37	W	19.29	17.37	20.20	21.88
February	21.35	21.12	18.57	21.53	W	W	16.68	W	17.94	19.71
March	18.66	19.41	17.00	19.02	W	—	15.50	W	16.49	17.68
April	17.05	17.87	15.94	17.97	15.82	W	14.81	15.95	15.92	16.44
May	18.25	17.95	16.84	18.99	15.64	19.03	15.30	15.70	16.28	17.33
June	17.84	16.87	15.70	18.22	15.26	18.09	14.66	15.11	15.61	16.36
July	17.72	17.73	15.99	19.12	15.14	17.40	15.02	15.19	16.02	16.65
August	17.96	18.42	16.29	18.98	16.89	18.17	15.33	16.47	16.37	16.96
September	18.15	18.52	16.02	19.35	15.33	18.44	15.25	16.15	16.51	16.99
October	19.33	19.52	17.51	20.03	W	W	15.81	W	16.32	18.15
November	18.54	18.24	16.04	19.11	W	W	14.39	W	14.99	17.02
December	16.58	17.18	13.79	17.39	W	W	12.51	W	13.31	14.97
<b>1997</b>	<b>18.81</b>	<b>18.85</b>	<b>16.72</b>	<b>19.43</b>	<b>15.16</b>	<b>18.59</b>	<b>15.33</b>	<b>15.24</b>	<b>16.26</b>	<b>17.51</b>
<b>1998</b>										
January	14.47	15.36	12.11	15.21	W	W	11.29	W	12.24	13.12
February	13.12	14.27	11.48	13.78	W	W	10.34	W	11.42	12.10
March	12.53	13.10	9.77	13.56	W	W	9.70	W	10.92	11.22
April	12.93	13.48	11.01	13.86	W	W	10.32	7.92	10.60	11.63
May	13.79	13.08	11.25	14.13	7.63	W	9.78	7.90	10.53	11.94
June	11.79	11.85	10.04	11.57	8.56	W	9.16	8.71	9.76	10.51
July	11.14	12.24	10.44	11.77	9.06	W	8.99	8.95	9.76	10.83
August	11.37	12.12	9.85	12.23	9.77	11.13	8.54	9.68	9.69	10.60
September	12.59	13.20	11.13	13.92	W	W	10.52	W	11.45	11.96
October	11.67	13.37	11.05	12.58	10.19	W	9.43	10.19	10.22	11.67
November	10.82	11.29	9.71	10.64	8.88	10.85	6.62	8.66	8.04	10.32
December	9.33	9.58	7.82	10.29	7.69	W	6.51	7.60	7.54	8.69
<b>1998</b>	<b>12.04</b>	<b>12.56</b>	<b>10.49</b>	<b>12.95</b>	<b>8.89</b>	<b>12.52</b>	<b>9.32</b>	<b>9.10</b>	<b>10.20</b>	<b>11.20</b>
<b>1999</b>										
January	10.75	10.96	8.67	10.78	9.03	—	6.33	8.77	8.20	9.80
February	10.16	10.47	8.52	10.50	11.59	W	7.06	11.18	8.93	9.61
March	11.92	13.33	10.92	13.67	13.25	W	10.70	12.97	12.04	11.71
April	15.06	15.95	13.77	16.12	W	W	12.53	13.64	13.68	14.51
May	14.88	15.87	14.05	15.46	W	15.39	12.27	15.01	13.93	14.74
June	15.56	16.43	14.42	16.50	W	16.03	13.82	16.46	15.03	15.14
July	19.08	18.27	17.01	18.81	W	16.96	15.80	16.92	16.76	17.57
August	19.89	19.77	18.74	20.30	W	19.77	17.40	17.90	18.13	19.10

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Free on Board. See Glossary.

<sup>b</sup> Includes Bahrain, Iran, Iraq, Kuwait, Neutral Zone, Qatar, Saudi Arabia, and United Arab Emirates.

<sup>c</sup> Includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. In addition, it included Ecuador in 1978 through 1992 and Gabon in 1978 through 1995.

Notes: 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.

Notes: 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*.

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

**Table 25. Landed Costs of Imported Crude Oil by Selected Country**  
(Dollars per Barrel)

Year Month	Selected Countries								Persian Gulf <sup>a</sup>	Total OPEC <sup>b</sup>	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1978	14.07	14.41	—	13.56	14.88	13.94	14.53	12.84	14.01	14.34	14.38
1979	21.06	20.22	—	20.77	22.97	18.95	22.97	17.65	20.42	21.29	22.10
1980	34.76	30.11	W	31.77	37.15	29.80	35.68	25.92	30.59	33.56	33.99
1981	36.84	32.32	—	33.70	39.66	34.20	37.29	29.91	34.61	36.60	36.14
1982	33.08	27.15	—	28.63	36.16	34.99	34.25	24.93	34.94	34.81	31.47
1983	29.31	25.63	—	25.78	30.85	29.27	30.87	22.94	29.37	29.84	28.08
1984	28.49	26.56	—	26.85	30.36	29.20	29.45	25.19	29.07	29.06	28.14
1985	27.39	25.71	—	25.63	28.96	24.72	28.36	24.43	25.50	26.86	26.53
1986	14.09	13.43	12.85	12.17	15.29	12.84	14.63	11.52	12.92	13.46	13.52
1987	18.20	17.04	18.43	16.69	19.32	16.81	18.78	15.76	17.47	17.64	17.66
1988	14.48	13.50	14.47	12.58	15.88	13.37	15.82	13.66	13.51	14.18	13.96
1989	18.36	16.81	18.10	16.35	19.19	17.34	18.74	16.78	17.37	17.78	17.54
1990	21.51	20.48	22.34	19.64	23.33	21.82	22.65	20.31	20.55	21.23	20.98
1991	19.90	17.16	19.55	15.89	21.39	17.22	21.37	15.92	17.34	18.08	17.93
1992	19.36	17.04	18.46	15.60	20.78	17.48	20.63	15.13	17.58	17.81	17.67
1993	17.40	15.27	16.54	14.11	18.73	15.40	17.92	13.39	15.26	15.68	15.78
1994	16.36	14.83	15.80	14.09	17.21	15.11	16.64	13.12	15.00	15.08	15.29
1995	17.66	16.65	17.45	16.19	18.25	16.84	17.91	14.81	16.78	16.61	16.95
1996	21.86	19.94	22.02	19.64	21.95	20.49	20.88	18.59	20.45	20.14	20.47
<b>1997</b>											
January	24.45	21.79	24.98	21.52	24.67	20.90	24.18	20.42	20.88	21.49	22.87
February	22.54	19.75	21.72	19.11	23.26	18.33	24.33	17.58	18.34	19.19	20.59
March	20.32	18.44	20.39	17.43	20.58	18.04	23.59	16.57	18.13	18.05	18.83
April	18.66	17.25	18.76	16.60	19.27	17.56	18.80	16.05	17.39	17.46	17.57
May	19.58	17.47	18.76	17.59	19.87	17.10	20.04	16.42	17.08	17.58	18.15
June	19.33	16.31	17.74	16.24	19.57	16.93	19.54	15.70	16.85	17.01	17.24
July	18.59	16.61	18.57	16.50	20.02	17.02	18.59	15.99	16.82	17.12	17.40
August	19.14	17.16	18.98	16.84	20.01	18.33	19.33	16.23	18.05	17.80	17.76
September	19.50	16.97	19.36	16.69	20.35	18.02	19.56	16.14	17.86	17.86	17.84
October	20.83	18.33	20.45	18.11	21.14	17.10	18.85	16.76	17.35	17.79	19.19
November	19.64	16.78	19.28	16.84	20.55	15.43	19.93	15.41	15.75	16.63	17.99
December	18.24	15.13	18.12	14.45	19.03	14.79	18.61	13.42	15.06	15.01	16.30
1997	20.24	17.63	19.71	17.30	20.64	17.52	20.64	16.35	17.44	17.73	18.45
<b>1998</b>											
January	16.14	13.25	16.39	12.69	17.00	13.43	W	12.30	13.49	13.89	14.29
February	14.52	12.18	15.37	12.12	15.32	13.05	15.63	11.28	13.01	12.98	13.24
March	14.06	11.57	13.84	10.37	14.71	12.28	14.82	10.66	12.38	12.44	12.35
April	14.25	11.42	14.17	11.65	14.67	11.31	15.19	11.16	11.53	11.98	12.67
May	14.92	11.28	13.75	11.76	14.91	10.69	14.52	10.49	10.75	11.68	12.81
June	12.98	10.87	12.45	10.59	13.31	10.69	12.58	9.92	10.64	11.07	11.47
July	12.44	11.28	12.73	10.95	12.88	11.02	W	9.78	10.94	11.06	11.74
August	12.65	11.17	12.84	10.33	13.20	11.12	12.89	9.33	11.12	10.99	11.60
September	13.59	12.76	13.79	11.60	14.60	11.79	13.43	11.12	11.85	12.12	12.83
October	12.87	12.55	13.81	11.58	13.97	10.67	13.14	10.32	11.22	11.36	12.63
November	11.88	10.97	11.81	10.22	12.03	9.93	12.96	7.83	10.11	9.77	11.20
December	10.48	9.90	10.05	8.31	11.21	8.94	10.89	7.63	9.02	8.88	9.77
1998	13.30	11.61	13.28	11.07	14.13	11.13	13.55	10.14	11.16	11.45	12.22
<b>1999</b>											
January	11.77	10.66	11.49	9.26	11.45	10.03	11.34	7.77	9.95	9.68	10.67
February	11.33	10.98	11.15	8.96	11.37	12.04	11.47	8.13	11.55	10.73	10.52
March	13.42	12.79	13.83	11.27	13.88	14.16	11.76	11.60	13.76	13.22	12.58
April	16.06	15.21	16.62	14.30	15.72	15.24	15.39	13.76	15.10	14.86	15.29
May	16.25	15.86	16.28	14.54	16.40	16.29	16.24	13.54	15.95	15.38	15.66
June	16.66	15.69	16.69	14.81	16.89	17.27	16.78	14.92	16.89	16.31	15.92
July	20.04	18.00	18.85	17.47	19.16	17.98	18.15	16.87	17.83	17.77	18.33
August	20.95	19.55	20.38	19.13	20.62	18.70	20.43	18.50	18.73	19.06	19.71

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes Bahrain, Iran, Iraq, Kuwait, Neutral Zone, Qatar, Saudi Arabia, and United Arab Emirates.

<sup>b</sup> Includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. In addition, it included Ecuador in 1978 through 1992 and Gabon in 1978 through 1995.

Notes: 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.

Notes: 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*.

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

**Table 26. F.O.B.<sup>a</sup> 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 .....	11.98	11.74	12.51	13.06	13.62	14.00	14.01
1979 .....	14.43	18.54	19.91	19.54	21.24	21.65	19.77
1980 .....	23.09	28.76	30.72	30.31	34.33	35.39	36.13
1981 .....	26.70	31.20	33.61	34.38	36.85	38.42	38.59
1982 .....	23.08	25.82	31.48	33.56	34.29	34.82	34.48
1983 .....	21.77	24.27	27.38	29.04	29.74	30.10	30.12
1984 .....	24.10	25.31	27.22	28.55	29.18	29.40	28.02
1985 .....	23.45	24.27	24.86	26.46	27.43	27.79	26.90
1986 .....	10.51	10.96	12.25	12.83	13.83	14.19	13.76
1987 .....	15.21	15.37	15.76	17.24	17.99	18.03	17.37
1988 .....	11.92	11.65	12.48	13.82	14.38	14.89	15.25
1989 .....	14.00	14.89	16.95	17.50	18.09	18.23	18.05
1990 .....	15.98	18.00	20.54	20.77	22.19	22.78	22.28
1991 .....	11.91	13.72	16.33	17.67	20.15	19.69	20.85
1992 .....	11.83	13.96	16.74	18.02	19.50	19.58	20.05
1993 .....	11.33	12.22	15.14	15.44	17.04	17.53	17.61
1994 .....	11.43	12.19	14.45	14.93	15.91	15.70	16.11
1995 .....	13.35	13.93	16.14	16.19	17.25	17.30	17.32
1996 .....	16.01	17.26	19.90	20.04	21.20	21.00	21.59
<b>1997</b>							
January .....	16.99	18.37	22.62	21.89	24.21	22.07	22.08
February .....	13.75	16.25	20.15	19.27	21.61	21.61	W
March .....	13.39	14.96	17.91	17.53	19.58	21.01	19.69
April .....	13.11	14.50	16.31	16.90	18.08	W	20.51
May .....	13.17	15.29	17.01	17.33	19.10	18.71	W
June .....	13.10	14.24	15.91	16.44	18.03	18.86	18.12
July .....	13.50	14.77	16.82	17.06	18.45	-	18.71
August .....	13.26	15.04	16.77	17.55	18.82	19.00	18.93
September .....	13.39	14.84	17.31	17.68	18.79	19.09	19.07
October .....	13.13	15.52	17.28	18.14	19.94	20.67	W
November .....	11.72	14.16	16.45	17.01	19.05	18.14	W
December .....	9.63	11.99	15.18	15.29	17.14	17.17	W
<b>1997</b> .....	<b>13.12</b>	<b>14.94</b>	<b>17.49</b>	<b>17.61</b>	<b>19.37</b>	<b>19.88</b>	<b>19.77</b>
<b>1998</b>							
January .....	8.32	10.13	13.32	14.31	15.38	15.45	-
February .....	7.60	9.41	11.83	12.97	14.15	14.82	W
March .....	7.50	8.68	11.82	12.30	13.44	14.02	W
April .....	8.08	9.42	10.77	12.57	13.58	14.19	-
May .....	7.37	9.29	10.06	12.58	13.69	14.29	13.72
June .....	7.19	8.76	10.28	10.74	12.06	12.72	11.86
July .....	6.99	8.90	10.07	11.28	12.36	12.71	12.89
August .....	6.12	8.65	9.68	11.37	12.03	12.54	12.22
September .....	8.12	9.91	11.98	13.04	13.38	14.20	W
October .....	7.66	9.54	10.87	11.78	12.94	12.35	13.55
November .....	4.60	7.99	9.56	10.07	11.48	11.23	11.79
December .....	4.55	6.71	7.86	9.00	9.93	10.03	W
<b>1998</b> .....	<b>7.01</b>	<b>8.97</b>	<b>10.77</b>	<b>11.71</b>	<b>12.90</b>	<b>13.05</b>	<b>12.92</b>
<b>1999</b>							
January .....	4.70	7.40	9.07	10.04	11.20	11.24	W
February .....	5.67	7.55	9.21	10.47	10.60	11.61	W
March .....	9.20	10.40	12.48	12.72	12.90	13.62	W
April .....	10.53	12.68	14.47	14.48	15.75	16.24	15.31
May .....	9.58	12.85	14.87	15.04	16.06	16.27	W
June .....	11.60	13.50	15.40	15.81	16.48	16.55	16.05
July .....	13.86	15.62	17.30	18.01	18.48	18.55	17.93
August .....	15.62	17.35	18.81	19.18	20.18	19.61	W

Dash (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Free on Board. See Glossary.

Notes: 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.

Notes: 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*.

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

**Table 27. Landed Costs of Imported Crude Oil by API Gravity**  
(Dollars per Barrel)

Year Month	20.0 or Less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or Greater
1978 .....	12.75	13.11	13.76	14.10	14.69	14.87	15.16
1979 .....	15.57	20.05	20.88	21.01	22.61	23.06	21.23
1980 .....	24.54	29.65	31.83	31.73	35.81	36.85	37.57
1981 .....	27.94	32.00	34.86	35.71	38.36	39.78	39.97
1982 .....	24.17	26.46	32.62	34.76	35.43	35.78	35.81
1983 .....	23.17	24.95	28.62	30.25	30.96	31.28	31.27
1984 .....	25.08	25.97	28.38	29.58	30.16	30.16	29.05
1985 .....	24.33	24.65	26.17	27.10	28.29	28.39	27.73
1986 .....	11.30	11.49	13.28	13.59	14.99	14.80	15.37
1987 .....	16.14	15.87	17.21	18.16	18.72	18.89	18.57
1988 .....	12.75	12.11	13.54	14.35	15.21	15.74	16.24
1989 .....	14.90	15.42	17.59	17.87	18.74	19.05	19.13
1990 .....	16.82	18.54	21.59	21.18	22.47	23.47	23.41
1991 .....	13.06	14.41	17.17	18.65	20.86	20.88	22.15
1992 .....	12.89	14.58	17.39	18.50	20.11	20.55	20.95
1993 .....	12.44	12.96	15.72	16.06	17.88	18.38	18.22
1994 .....	12.42	12.93	15.10	15.61	16.65	16.64	16.91
1995 .....	14.43	14.81	16.84	17.13	17.96	18.17	17.90
1996 .....	17.18	18.11	20.53	20.87	21.74	21.71	22.28
<b>1997</b>							
January .....	18.57	19.34	23.73	22.13	24.80	23.89	23.89
February .....	14.79	17.00	21.18	19.69	22.81	22.74	24.44
March .....	14.56	16.06	18.91	18.55	20.83	22.05	21.22
April .....	14.58	15.28	17.72	17.89	19.25	21.09	21.01
May .....	14.64	16.08	17.91	18.07	19.96	20.17	20.63
June .....	14.37	15.00	17.20	17.32	19.16	20.27	19.03
July .....	14.65	15.42	17.64	17.60	19.05	19.96	19.40
August .....	14.49	15.72	17.81	18.50	19.58	20.23	20.13
September .....	14.64	15.55	18.10	18.56	19.80	20.01	20.09
October .....	14.35	16.51	18.64	18.89	20.67	21.59	21.42
November .....	13.32	14.96	17.93	17.62	19.89	20.11	21.34
December .....	10.74	13.03	16.48	16.32	18.28	18.42	19.17
<b>1997</b> .....	<b>14.42</b>	<b>15.79</b>	<b>18.57</b>	<b>18.42</b>	<b>20.34</b>	<b>21.09</b>	<b>20.85</b>
<b>1998</b>							
January .....	9.78	11.04	14.87	14.99	16.37	17.28	17.27
February .....	8.86	10.02	13.58	13.89	15.15	16.01	16.39
March .....	8.63	9.37	13.03	13.35	14.33	15.09	14.68
April .....	9.22	10.05	12.17	13.05	14.51	15.28	14.88
May .....	8.39	9.82	11.62	12.71	14.40	14.91	14.66
June .....	8.20	9.43	11.40	11.65	13.06	13.42	13.06
July .....	8.12	9.64	11.12	11.82	13.12	13.58	14.02
August .....	7.21	9.48	10.98	11.90	12.80	13.50	13.51
September .....	9.41	10.85	12.21	12.89	13.95	15.36	14.80
October .....	8.95	10.61	11.98	12.16	13.56	13.21	14.66
November .....	5.71	8.79	10.48	10.80	12.32	12.64	12.67
December .....	5.65	7.71	8.94	9.84	10.62	11.24	12.24
<b>1998</b> .....	<b>8.19</b>	<b>9.75</b>	<b>11.82</b>	<b>12.29</b>	<b>13.72</b>	<b>14.37</b>	<b>14.38</b>
<b>1999</b>							
January .....	5.69	8.38	9.71	10.72	11.62	12.08	12.20
February .....	6.61	8.63	9.91	11.60	11.51	12.23	11.90
March .....	10.06	11.24	12.81	13.77	13.28	14.28	14.95
April .....	11.66	13.46	15.09	15.40	16.08	16.93	16.53
May .....	10.87	13.66	15.50	16.02	16.63	16.69	17.33
June .....	12.93	14.23	16.18	16.83	16.82	17.21	16.56
July .....	15.04	16.38	18.01	18.54	18.97	19.66	19.09
August .....	16.66	18.03	19.31	19.59	20.60	20.58	21.46

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Notes: 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*.

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

**Table 28. 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
<b>1978</b> .....	<b>1.26</b>	<b>3.57</b>	<b>7.93</b>	<b>38.79</b>	<b>31.66</b>	<b>13.48</b>	<b>3.31</b>
<b>1979</b> .....	<b>1.65</b>	<b>3.96</b>	<b>8.45</b>	<b>38.98</b>	<b>30.64</b>	<b>13.36</b>	<b>2.96</b>
<b>1980</b> .....	<b>1.70</b>	<b>6.18</b>	<b>9.25</b>	<b>38.43</b>	<b>27.02</b>	<b>13.56</b>	<b>3.85</b>
<b>1981</b> .....	<b>2.19</b>	<b>8.88</b>	<b>9.46</b>	<b>37.37</b>	<b>26.60</b>	<b>12.53</b>	<b>2.98</b>
<b>1982</b> .....	<b>3.39</b>	<b>14.90</b>	<b>11.72</b>	<b>35.58</b>	<b>23.76</b>	<b>8.44</b>	<b>2.20</b>
<b>1983</b> .....	<b>3.91</b>	<b>20.40</b>	<b>15.14</b>	<b>24.95</b>	<b>23.63</b>	<b>7.74</b>	<b>4.23</b>
<b>1984</b> .....	<b>6.48</b>	<b>20.52</b>	<b>11.59</b>	<b>21.05</b>	<b>25.75</b>	<b>8.12</b>	<b>6.48</b>
<b>1985</b> .....	<b>7.62</b>	<b>20.46</b>	<b>11.19</b>	<b>27.14</b>	<b>24.93</b>	<b>4.02</b>	<b>4.65</b>
<b>1986</b> .....	<b>5.54</b>	<b>19.36</b>	<b>14.12</b>	<b>27.49</b>	<b>25.74</b>	<b>3.65</b>	<b>4.11</b>
<b>1987</b> .....	<b>4.04</b>	<b>19.68</b>	<b>16.88</b>	<b>26.91</b>	<b>24.79</b>	<b>3.87</b>	<b>3.85</b>
<b>1988</b> .....	<b>3.52</b>	<b>18.27</b>	<b>15.99</b>	<b>30.72</b>	<b>24.45</b>	<b>4.04</b>	<b>3.02</b>
<b>1989</b> .....	<b>2.55</b>	<b>14.39</b>	<b>16.80</b>	<b>36.27</b>	<b>23.79</b>	<b>3.55</b>	<b>2.64</b>
<b>1990</b> .....	<b>3.64</b>	<b>14.96</b>	<b>18.13</b>	<b>34.44</b>	<b>23.21</b>	<b>2.94</b>	<b>2.67</b>
<b>1991</b> .....	<b>3.76</b>	<b>16.02</b>	<b>20.79</b>	<b>34.84</b>	<b>20.94</b>	<b>2.11</b>	<b>1.55</b>
<b>1992</b> .....	<b>4.05</b>	<b>17.64</b>	<b>22.41</b>	<b>31.38</b>	<b>20.49</b>	<b>3.00</b>	<b>1.04</b>
<b>1993</b> .....	<b>4.52</b>	<b>18.79</b>	<b>19.24</b>	<b>32.49</b>	<b>20.99</b>	<b>2.59</b>	<b>1.39</b>
<b>1994</b> .....	<b>3.80</b>	<b>18.98</b>	<b>18.46</b>	<b>30.77</b>	<b>23.37</b>	<b>2.75</b>	<b>1.87</b>
<b>1995</b> .....	<b>4.52</b>	<b>18.38</b>	<b>17.04</b>	<b>31.51</b>	<b>23.81</b>	<b>2.98</b>	<b>1.76</b>
<b>1996</b> .....	<b>4.58</b>	<b>20.88</b>	<b>14.69</b>	<b>32.92</b>	<b>23.51</b>	<b>1.95</b>	<b>1.47</b>
<b>1997</b>							
January .....	4.81	21.56	12.96	34.96	21.61	2.76	1.34
February .....	4.66	22.18	15.45	29.96	24.56	2.33	0.86
March .....	5.24	21.60	12.11	36.02	21.09	2.14	1.80
April .....	6.80	20.41	14.34	32.48	22.99	1.79	1.20
May .....	6.62	21.61	13.24	33.72	21.18	2.58	1.05
June .....	5.61	21.19	14.03	34.45	21.17	2.02	1.54
July .....	7.08	22.27	14.68	32.31	21.71	0.86	1.09
August .....	6.24	23.33	11.33	36.18	20.93	0.81	1.19
September .....	6.20	23.75	11.30	35.13	20.15	1.58	1.89
October .....	6.93	19.41	14.15	36.46	20.45	1.20	1.40
November .....	6.35	21.54	13.00	36.42	20.16	1.69	0.85
December .....	5.69	23.46	14.04	34.22	20.02	1.64	0.92
<b>1997</b> .....	<b>6.05</b>	<b>21.88</b>	<b>13.33</b>	<b>34.43</b>	<b>21.28</b>	<b>1.77</b>	<b>1.27</b>
<b>1998</b>							
January .....	5.07	24.79	13.48	30.95	22.09	2.69	0.93
February .....	5.51	22.43	14.12	29.09	24.45	2.08	2.32
March .....	6.88	21.13	14.05	34.05	20.90	2.11	0.89
April .....	7.12	20.59	18.40	31.75	19.50	1.38	1.27
May .....	5.15	19.20	14.74	33.94	23.10	1.80	2.06
June .....	5.55	20.94	14.70	36.66	19.98	0.97	1.21
July .....	5.91	18.04	14.65	39.69	17.80	2.19	1.70
August .....	5.14	19.69	13.73	38.31	19.15	1.62	2.36
September .....	5.93	20.69	11.59	38.37	19.95	1.56	1.91
October .....	6.99	18.31	11.97	39.08	20.73	1.28	1.64
November .....	5.64	19.10	15.48	33.75	23.52	0.63	1.89
December .....	5.62	18.27	12.94	41.60	17.86	2.77	0.94
<b>1998</b> .....	<b>5.87</b>	<b>20.19</b>	<b>14.15</b>	<b>35.73</b>	<b>20.70</b>	<b>1.77</b>	<b>1.59</b>
<b>1999</b>							
January .....	5.23	17.99	11.73	41.11	18.86	3.48	1.60
February .....	4.57	17.84	12.52	37.23	23.73	2.28	1.83
March .....	6.19	16.69	13.60	37.97	20.71	3.26	1.57
April .....	5.78	15.73	14.59	35.09	23.29	3.29	2.23
May .....	4.17	17.04	13.28	37.97	22.07	3.40	2.07
June .....	4.66	17.77	14.46	35.84	21.54	4.15	1.59
July .....	6.22	15.44	12.41	40.83	19.59	4.13	1.38
August .....	4.56	17.94	17.88	31.89	22.13	4.06	1.53

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Notes: 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*.

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

**Table 29. F.O.B.<sup>a</sup> Costs of Imported Crude Oil for Selected Crude Streams**  
(Dollars per Barrel)

Year Quarter Month	Angolan Cabinda	Canadian Bow River	Canadian Lloydminster	Ecuadorian Oriente	Gabon Rabi-Kouanga
1978 Average .....	13.32	—	—	12.87	—
1979 Average .....	20.35	—	—	27.59	—
1980 Average .....	33.24	—	W	34.51	—
1981 Average .....	35.55	W	W	32.66	—
1982 Average .....	31.86	W	W	32.36	—
1983 Average .....	28.14	W	24.54	28.22	—
1984 Average .....	27.58	W	24.70	28.16	—
1985 Average .....	26.30	24.55	23.79	26.12	—
1986 Average .....	13.39	11.47	12.77	13.32	—
1987 Average .....	17.31	15.63	15.12	16.53	—
1988 Average .....	14.52	11.82	11.28	12.96	—
1989 Average .....	17.15	14.94	W	16.26	—
1990 Average .....	W	18.57	18.50	W	—
1991 Average .....	W	13.44	13.51	16.04	18.21
1992 Average .....	18.46	14.04	W	17.60	19.01
1993 Average .....	15.65	12.76	W	14.57	16.56
1994 Average .....	15.15	12.86	W	13.70	15.67
1995 Average .....	16.37	14.70	14.44	16.29	17.08
1996 Average .....	20.44	18.19	17.14	18.84	20.97
1997 Average .....	17.93	15.37	14.29	17.95	18.75
<b>1998</b>					
January .....	13.79	W	10.13	W	14.84
February .....	12.98	W	9.19	W	13.38
March .....	12.04	W	9.02	W	12.90
<b>1st Quarter Average</b> .....	12.76	W	9.49	W	13.63
April .....	12.56	W	8.67	W	12.85
May .....	13.33	W	8.33	W	13.89
June .....	11.11	W	7.80	W	10.85
<b>2nd Quarter Average</b> .....	12.26	W	8.31	W	12.71
July .....	10.91	W	9.21	W	11.63
August .....	10.87	W	8.85	W	11.56
September .....	W	W	10.65	—	13.51
<b>3rd Quarter Average</b> .....	11.29	W	9.57	W	12.28
October .....	11.35	W	10.70	W	11.74
November .....	10.13	W	9.31	—	10.26
December .....	9.12	W	7.62	—	9.65
<b>4th Quarter Average</b> .....	10.06	W	9.32	W	10.56
<b>1998 Average</b> .....	<b>11.59</b>	<b>W</b>	<b>9.18</b>	<b>11.56</b>	<b>12.44</b>
<b>1999</b>					
January .....	10.49	W	W	—	10.57
February .....	9.67	W	9.28	W	9.98
March .....	12.16	W	11.41	W	12.98
<b>1st Quarter Average</b> .....	10.95	W	10.01	W	11.10
April .....	14.71	W	12.78	—	14.59
May .....	W	W	13.69	W	14.54
June .....	15.55	W	W	W	W
<b>2nd Quarter Average</b> .....	15.09	W	13.21	W	14.87
July .....	18.86	W	15.58	W	18.60
August .....	W	W	17.51	—	W

See footnotes at end of table.

**Table 29. F.O.B.<sup>a</sup> Costs of Imported Crude Oil for Selected Crude Streams**  
(Dollars per Barrel) — Continued

Year Quarter Month	Mexican Mayan	Mexican Olmecca	Nigerian Forcados Blend	Venezuelan Furrial	Venezuelan Leona
1978 Average .....	—	—	—	—	—
1979 Average .....	21.50	—	—	—	—
1980 Average .....	28.73	—	—	—	—
1981 Average .....	30.82	—	38.19	—	32.94
1982 Average .....	25.29	—	34.78	—	W
1983 Average .....	23.99	—	29.55	—	W
1984 Average .....	25.35	—	29.04	—	—
1985 Average .....	24.23	—	27.78	—	W
1986 Average .....	10.93	—	14.32	—	11.14
1987 Average .....	15.72	—	18.97	—	16.27
1988 Average .....	11.26	13.63	14.63	—	13.95
1989 Average .....	14.71	18.69	17.87	W	16.01
1990 Average .....	17.29	23.64	21.47	22.48	20.44
1991 Average .....	13.02	20.08	20.09	16.84	15.80
1992 Average .....	13.42	19.55	19.90	16.09	15.65
1993 Average .....	12.03	16.98	17.81	13.78	12.97
1994 Average .....	12.39	16.03	16.52	14.08	12.00
1995 Average .....	14.37	17.32	17.43	15.98	13.58
1996 Average .....	17.43	21.56	21.45	20.42	17.13
1997 Average .....	14.97	19.67	19.68	17.73	14.76
<b>1998</b>					
January .....	9.69	15.51	W	W	10.90
February .....	9.06	14.65	W	W	9.69
March .....	7.79	13.41	W	W	9.83
<b>1st Quarter Average</b> .....	8.81	14.59	W	W	10.23
April .....	9.29	13.78	13.62	12.01	10.27
May .....	9.31	14.12	14.22	11.36	W
June .....	8.66	12.36	11.41	10.67	W
<b>2nd Quarter Average</b> .....	9.08	13.46	13.11	11.35	10.02
July .....	9.16	12.70	W	10.80	8.51
August .....	8.46	12.24	W	W	8.40
September .....	9.57	13.82	W	W	W
<b>3rd Quarter Average</b> .....	9.07	12.93	W	11.05	9.02
October .....	9.60	13.11	W	W	W
November .....	8.21	11.66	W	W	W
December .....	6.37	10.14	—	W	W
<b>4th Quarter Average</b> .....	7.91	11.59	W	W	W
<b>1998 Average</b> .....	<b>8.76</b>	<b>13.14</b>	<b>13.39</b>	<b>11.54</b>	<b>8.96</b>
<b>1999</b>					
January .....	7.37	11.11	W	W	W
February .....	7.15	10.44	—	—	W
March .....	9.99	12.52	W	W	W
<b>1st Quarter Average</b> .....	8.32	11.42	11.63	W	W
April .....	12.66	15.56	—	W	W
May .....	12.75	16.03	W	W	10.92
June .....	13.18	15.96	W	W	13.77
<b>2nd Quarter Average</b> .....	12.86	15.86	15.79	15.28	12.39
July .....	15.40	18.69	—	W	15.91
August .....	17.22	20.27	W	W	17.39

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Free on Board. See Glossary.

Notes: 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.

Notes: 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*.

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**Table 30. Landed Costs of Imported Crude Oil for Selected Crude Streams**  
(Dollars per Barrel)

Year Quarter Month	Angolan Cabinda	Canadian Bow River Heavy	Canadian Lloydminster	Ecuadorian Oriente	Gabon Rabi-Kouanga	Mexican Mayan	Mexican Olmeca
1978 Average .....	14.07	—	—	13.85	—	—	—
1979 Average .....	21.51	—	—	29.17	—	22.23	—
1980 Average .....	34.68	—	W	34.61	—	29.49	—
1981 Average .....	36.84	W	W	33.56	—	31.52	—
1982 Average .....	33.08	28.94	W	32.97	—	25.86	—
1983 Average .....	29.31	25.62	25.27	28.90	—	24.56	—
1984 Average .....	28.63	25.46	25.35	28.79	—	25.84	—
1985 Average .....	27.48	25.42	24.38	26.97	—	24.57	—
1986 Average .....	14.27	12.71	13.52	14.39	—	11.24	—
1987 Average .....	18.43	16.49	15.98	17.60	—	16.03	—
1988 Average .....	14.96	12.68	12.21	13.77	—	11.65	14.07
1989 Average .....	18.15	15.99	15.36	17.69	—	15.14	19.09
1990 Average .....	20.01	19.32	19.55	21.63	—	17.75	23.78
1991 Average .....	18.31	14.31	14.63	17.52	19.51	13.62	20.45
1992 Average .....	19.59	15.01	W	18.52	19.70	13.80	19.91
1993 Average .....	16.95	13.56	13.65	15.79	17.51	12.45	17.43
1994 Average .....	16.07	13.90	13.58	15.24	16.73	12.79	16.54
1995 Average .....	17.31	15.77	15.56	16.84	18.15	14.88	17.80
1996 Average .....	21.56	19.18	18.50	19.91	21.79	17.95	21.89
1997 Average .....	19.47	16.46	15.72	18.06	20.07	15.57	20.05
<b>1998</b>							
January .....	15.18	11.86	11.36	14.31	16.34	10.37	16.01
February .....	14.25	10.79	10.17	13.97	14.77	9.66	14.99
March .....	13.29	10.51	10.15	11.94	14.44	8.21	13.77
<b>1st Quarter</b>							
<b>Average .....</b>	14.04	11.14	10.59	13.35	15.12	9.39	14.98
April .....	13.81	10.25	9.65	12.14	14.28	9.74	14.21
May .....	14.17	10.34	9.40	10.54	15.11	9.66	14.40
June .....	12.46	9.54	9.02	10.74	12.27	9.00	12.79
<b>2nd Quarter</b>							
<b>Average .....</b>	13.39	9.98	9.39	11.03	13.99	9.45	13.80
July .....	12.18	10.00	10.00	10.63	12.67	9.53	13.03
August .....	12.09	10.39	9.74	10.93	12.70	8.89	12.61
September .....	12.77	11.11	11.29	11.71	14.43	9.93	14.01
<b>3rd Quarter</b>							
<b>Average .....</b>	12.36	10.49	10.33	10.99	13.24	9.47	13.25
October .....	12.78	11.15	11.57	12.99	12.75	10.02	13.58
November .....	11.54	10.36	10.24	10.38	11.31	8.53	12.18
December .....	10.08	9.01	8.55	W	10.67	6.73	10.44
<b>4th Quarter</b>							
<b>Average .....</b>	11.51	10.05	10.23	11.51	11.52	8.30	12.00
<b>1998 Average .....</b>	<b>12.69</b>	<b>10.41</b>	<b>10.15</b>	<b>11.55</b>	<b>13.65</b>	<b>9.21</b>	<b>13.58</b>
<b>1999</b>							
January .....	11.55	9.15	9.58	9.24	11.72	7.71	11.39
February .....	10.80	10.07	10.08	9.86	11.19	7.48	10.73
March .....	13.27	11.89	11.55	12.22	14.12	10.32	12.88
<b>1st Quarter</b>							
<b>Average .....</b>	12.02	10.54	10.57	11.00	12.26	8.61	11.67
April .....	15.60	13.95	13.69	15.38	15.78	13.06	15.86
May .....	16.07	15.11	14.54	16.12	15.54	13.10	16.25
June .....	16.57	14.84	14.42	15.94	W	13.54	16.20
<b>2nd Quarter</b>							
<b>Average .....</b>	16.12	14.63	14.21	15.84	15.89	13.23	16.11
July .....	19.99	16.67	16.09	16.83	19.57	15.78	18.90
August .....	W	18.37	18.03	18.76	W	17.54	20.56

See footnotes at end of table.

**Table 30. Landed Costs of Imported Crude Oil for Selected Crude Streams**  
(Dollars per Barrel) — Continued

Year Quarter Month	Nigerian Bonny Light	Nigerian Forcados Blend	Saudi Arabian Light	Saudi Arabian Medium	United Kingdom Brent	Venezuelan Furrial	Venezuelan Leona
1978 Average .....	15.04	—	14.04	—	—	—	—
1979 Average .....	27.11	—	19.18	—	23.26	—	—
1980 Average .....	38.58	—	29.57	—	34.57	—	—
1981 Average .....	39.25	40.15	34.32	32.74	37.58	—	33.60
1982 Average .....	36.45	35.57	35.65	32.56	34.53	—	W
1983 Average .....	31.06	30.46	30.95	29.16	31.26	—	W
1984 Average .....	30.46	30.11	30.61	29.09	29.89	—	—
1985 Average .....	28.98	28.65	25.35	W	28.49	—	W
1986 Average .....	15.00	14.52	13.06	W	14.64	—	11.80
1987 Average .....	19.26	19.65	17.88	W	18.71	—	16.81
1988 Average .....	16.02	15.41	14.04	13.05	15.84	—	14.50
1989 Average .....	19.38	18.86	17.96	16.83	18.83	16.78	16.68
1990 Average .....	23.21	22.71	22.49	20.98	24.40	23.26	21.28
1991 Average .....	21.57	21.13	18.49	17.04	21.65	17.69	16.40
1992 Average .....	20.85	20.67	18.54	17.14	20.68	16.80	16.21
1993 Average .....	18.75	18.65	16.62	14.86	18.02	14.71	13.76
1994 Average .....	17.23	17.32	15.83	14.81	16.65	14.95	12.81
1995 Average .....	18.35	18.19	17.17	16.54	17.96	16.78	14.40
1996 Average .....	21.69	21.89	20.86	20.12	20.94	21.18	17.99
1997 Average .....	21.21	20.67	18.11	17.10	20.85	18.59	15.83
<b>1998</b>							
January .....	W	16.76	14.64	12.69	W	14.62	11.82
February .....	16.84	15.35	14.04	12.56	W	W	10.53
March .....	14.37	14.82	12.84	12.02	15.27	W	10.81
<b>1st Quarter</b>							
<b>Average .....</b>	15.62	15.53	13.77	12.43	15.71	13.83	11.15
April .....	15.13	14.55	13.33	11.05	15.20	12.80	11.16
May .....	15.07	15.18	12.58	10.57	14.18	11.97	W
June .....	13.42	13.16	11.33	10.68	W	11.29	W
<b>2nd Quarter</b>							
<b>Average .....</b>	14.77	14.31	12.47	10.74	14.37	12.02	10.80
July .....	W	12.49	12.09	10.85	W	11.54	9.29
August .....	13.47	12.95	11.46	11.15	13.17	W	9.16
September .....	14.57	14.48	12.84	11.32	13.52	W	W
<b>3rd Quarter</b>							
<b>Average .....</b>	13.75	13.13	12.15	11.10	13.33	11.75	9.80
October .....	W	14.20	12.63	9.72	13.42	W	W
November .....	11.90	11.68	11.59	9.43	13.37	W	W
December .....	11.03	W	9.68	8.83	W	W	W
<b>4th Quarter</b>							
<b>Average .....</b>	11.82	12.98	11.00	9.28	13.13	W	W
<b>1998 Average .....</b>	<b>13.62</b>	<b>14.35</b>	<b>12.37</b>	<b>10.80</b>	<b>13.94</b>	<b>12.24</b>	<b>9.79</b>
<b>1999</b>							
January .....	11.06	11.69	11.03	9.89	11.34	10.41	W
February .....	W	W	12.37	12.52	11.47	W	W
March .....	13.40	13.84	14.53	14.48	11.90	12.56	11.17
<b>1st Quarter</b>							
<b>Average .....</b>	12.15	12.49	12.56	12.37	11.52	11.42	8.19
April .....	13.78	15.19	16.04	14.97	14.91	15.33	13.17
May .....	16.94	16.44	16.80	16.12	16.76	15.76	11.61
June .....	W	17.18	17.63	17.16	16.84	15.80	14.43
<b>2nd Quarter</b>							
<b>Average .....</b>	15.37	16.18	16.73	16.15	16.16	15.62	13.08
July .....	W	W	17.89	18.26	17.91	W	16.70
August .....	W	20.15	19.28	18.84	W	19.21	18.16

Dash (—) = No data reported.

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# **Prices of Petroleum Products**

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	80.8	80.6	78.6	69.1	64.7	71.3	89.8	89.3	84.2	72.9	W	78.2
July 1999 .....	75.5	75.5	73.0	64.5	59.7	66.4	84.1	83.8	78.4	68.2	W	73.1
August 1998 .....	61.3	61.0	55.7	45.8	42.1	48.2	70.7	70.2	62.4	49.8	W	56.0
<b>PAD District I</b>												
August 1999 .....	76.8	76.3	73.5	66.0	62.6	68.0	85.8	85.2	80.1	70.5	NA	75.0
July 1999 .....	70.5	70.1	67.5	60.9	55.6	62.2	79.4	78.9	74.4	65.4	NA	69.7
August 1998 .....	57.8	57.5	53.1	43.7	41.8	46.7	67.7	67.2	60.1	47.9	-	53.8
<b>Subdistrict IA</b>												
August 1999 .....	82.4	81.9	76.4	66.3	65.6	70.1	91.3	90.6	82.7	69.8	-	76.8
July 1999 .....	74.9	74.5	69.8	60.4	NA	63.7	83.9	83.2	76.3	64.0	-	70.7
August 1998 .....	62.5	62.0	55.7	46.3	43.7	49.8	72.9	71.9	63.4	50.3	-	57.5
<b>Connecticut</b>												
August 1999 .....	80.8	80.3	77.5	66.9	65.1	70.7	90.4	88.7	82.6	68.1	-	75.5
July 1999 .....	73.3	72.9	70.7	60.5	58.0	63.4	83.0	81.3	76.1	62.1	-	69.3
August 1998 .....	59.7	59.3	57.1	45.9	W	51.2	70.4	69.0	62.8	50.2	-	57.6
<b>Maine</b>												
August 1999 .....	84.7	84.6	77.0	67.0	-	69.7	94.4	93.5	82.6	72.7	-	76.0
July 1999 .....	76.7	76.6	70.1	61.2	-	63.6	86.2	85.6	75.6	66.3	-	69.5
August 1998 .....	67.6	67.4	55.8	46.6	W	47.5	78.6	77.3	63.3	50.5	-	55.2
<b>Massachusetts</b>												
August 1999 .....	81.8	81.1	75.5	64.4	W	69.5	90.7	90.5	83.1	68.5	-	77.3
July 1999 .....	74.5	73.9	69.1	58.8	W	63.4	83.4	83.2	76.7	63.2	-	71.5
August 1998 .....	61.1	60.2	54.5	46.4	NA	50.2	72.0	71.0	64.1	50.4	-	58.6
<b>New Hampshire</b>												
August 1999 .....	83.7	83.6	77.5	64.3	-	72.0	93.2	93.0	82.7	69.2	-	78.2
July 1999 .....	76.0	75.9	70.4	59.5	W	62.4	85.4	85.0	76.0	64.2	-	72.0
August 1998 .....	63.4	63.3	56.2	46.4	W	NA	73.7	73.5	62.1	48.5	-	58.8
<b>Rhode Island</b>												
August 1999 .....	77.9	77.7	73.3	70.5	W	68.7	86.3	86.4	78.8	73.7	-	76.2
July 1999 .....	71.0	70.9	67.1	64.1	NA	64.4	79.9	79.9	72.9	67.5	-	70.2
August 1998 .....	58.3	58.1	54.4	46.0	-	48.5	67.9	67.6	61.0	49.9	-	54.6
<b>Vermont</b>												
August 1999 .....	84.9	84.4	79.5	69.5	-	75.9	92.8	91.6	86.3	NA	-	82.9
July 1999 .....	77.9	77.5	73.1	63.5	-	69.7	86.1	85.0	79.6	67.7	-	76.1
August 1998 .....	64.1	63.9	57.6	46.4	-	54.0	73.1	72.6	65.9	50.6	-	61.3
<b>Subdistrict IB</b>												
August 1999 .....	78.9	78.0	74.7	66.6	62.2	68.6	86.7	85.9	81.7	71.0	NA	77.4
July 1999 .....	71.7	71.1	67.7	60.9	54.9	61.6	79.3	78.8	75.2	65.5	NA	71.4
August 1998 .....	59.4	59.1	55.5	44.8	41.4	47.7	68.9	68.3	62.2	49.3	-	57.0
<b>Delaware</b>												
August 1999 .....	79.8	78.1	72.7	65.4	-	68.0	89.1	87.1	80.0	69.7	-	74.3
July 1999 .....	72.0	70.4	65.6	60.4	-	62.3	81.8	80.0	72.6	64.0	-	67.8
August 1998 .....	57.7	57.4	52.5	44.2	-	47.4	70.2	69.4	59.6	48.4	-	53.4
<b>District of Columbia</b>												
August 1999 .....	W	74.0	77.6	-	-	77.6	W	83.7	82.8	-	-	82.8
July 1999 .....	W	67.5	71.0	-	-	71.0	W	78.6	76.1	-	-	76.1
August 1998 .....	W	57.7	61.9	-	-	61.9	W	68.9	NA	-	-	NA
<b>Maryland</b>												
August 1999 .....	77.3	74.6	73.2	67.4	NA	70.5	86.6	83.7	79.9	71.4	-	76.7
July 1999 .....	71.8	69.7	67.4	62.9	NA	65.5	81.5	79.0	74.0	67.2	-	71.7
August 1998 .....	58.9	58.4	57.4	45.0	W	52.0	68.5	67.2	63.5	49.5	-	58.9
<b>New Jersey</b>												
August 1999 .....	81.8	78.2	75.9	65.3	62.2	67.0	92.0	90.5	82.8	71.6	-	78.8
July 1999 .....	75.0	72.9	69.4	59.7	55.1	59.3	85.0	84.1	76.5	65.9	-	72.8
August 1998 .....	62.3	62.3	58.0	46.0	41.5	46.4	73.5	73.4	63.6	51.7	-	58.8
<b>New York</b>												
August 1999 .....	81.2	80.7	76.9	68.1	63.9	71.4	89.7	88.7	85.9	72.6	NA	80.8
July 1999 .....	73.9	73.5	69.4	62.1	NA	64.1	82.4	81.3	78.9	66.8	NA	74.4
August 1998 .....	60.8	60.0	55.3	44.9	42.0	49.0	70.5	68.5	64.0	48.9	-	58.7
<b>Pennsylvania</b>												
August 1999 .....	76.3	76.2	71.9	65.8	NA	67.2	83.7	83.6	78.0	69.7	-	73.8
July 1999 .....	68.8	68.8	64.6	60.0	NA	60.9	75.9	76.0	71.5	64.0	-	67.7
August 1998 .....	57.6	57.6	52.3	44.1	40.6	46.5	67.1	67.0	58.0	48.0	-	53.1

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	97.6	96.5	91.4	78.2	66.5	82.0	84.4	84.0	81.8	70.8	65.0	73.7
July 1999 .....	92.0	91.2	85.7	73.6	61.9	77.1	79.1	78.9	76.2	66.3	60.0	68.8
August 1998 .....	77.9	77.1	68.6	55.3	48.8	60.2	65.2	64.8	59.3	47.8	42.8	51.0
<b>PAD District I</b>												
August 1999 .....	94.0	92.2	87.6	75.9	67.2	79.9	81.1	80.4	77.7	68.3	63.4	71.2
July 1999 .....	87.8	86.5	81.7	70.8	60.8	74.9	75.0	74.4	71.9	63.2	56.1	65.5
August 1998 .....	75.8	74.9	66.4	53.7	47.6	59.2	62.8	62.4	57.4	46.2	42.4	50.1
<b>Subdistrict IA</b>												
August 1999 .....	99.1	97.7	87.8	75.6	71.2	80.7	85.7	85.2	79.2	68.1	66.3	72.5
July 1999 .....	92.1	90.8	81.4	69.8	NA	75.0	78.5	78.0	72.8	62.3	NA	66.2
August 1998 .....	81.3	79.7	68.3	55.2	48.9	60.8	66.9	66.2	59.1	48.3	44.4	52.5
<b>Connecticut</b>												
August 1999 .....	98.3	97.0	88.9	75.8	W	81.4	84.8	84.1	80.6	68.7	65.8	73.2
July 1999 .....	91.2	90.0	82.3	69.5	W	74.9	77.6	76.9	74.0	62.4	58.1	66.1
August 1998 .....	79.5	78.6	68.9	55.6	W	60.8	64.7	64.2	59.9	48.2	45.1	53.7
<b>Maine</b>												
August 1999 .....	103.5	101.0	88.0	77.3	W	78.4	87.6	87.4	78.8	68.7	W	71.4
July 1999 .....	95.5	93.6	80.9	71.6	—	74.1	79.9	79.7	72.0	62.9	—	65.4
August 1998 .....	87.9	86.7	68.9	55.7	W	58.2	71.7	71.4	58.6	48.3	W	49.5
<b>Massachusetts</b>												
August 1999 .....	98.3	96.6	86.9	73.5	W	79.9	85.3	84.6	78.5	66.3	W	71.9
July 1999 .....	91.3	89.8	80.8	68.1	W	74.4	78.2	77.6	72.2	60.8	W	66.0
August 1998 .....	80.0	77.2	67.6	54.6	50.5	60.9	65.8	64.7	58.4	48.5	NA	53.2
<b>New Hampshire</b>												
August 1999 .....	101.0	100.9	89.0	73.2	—	83.3	86.9	86.7	80.0	65.9	—	74.3
July 1999 .....	93.9	93.7	81.9	67.8	—	76.8	79.4	79.3	73.0	61.2	W	65.0
August 1998 .....	82.4	82.3	68.4	54.5	—	63.8	67.4	67.2	59.2	47.8	W	52.1
<b>Rhode Island</b>												
August 1999 .....	93.7	93.0	86.1	80.4	—	82.4	81.2	81.1	76.4	72.6	W	71.2
July 1999 .....	87.5	86.6	79.7	73.9	—	76.1	74.5	74.4	70.3	66.3	NA	67.0
August 1998 .....	76.6	76.2	67.5	55.8	—	59.6	62.5	62.4	58.1	48.3	—	51.4
<b>Vermont</b>												
August 1999 .....	100.2	99.9	91.0	77.8	—	87.3	87.7	87.0	82.1	70.8	—	78.3
July 1999 .....	93.8	93.1	84.3	71.9	—	80.8	81.0	80.4	75.6	64.9	—	72.0
August 1998 .....	81.4	81.1	69.7	55.5	—	66.2	67.5	67.2	60.9	48.2	—	57.0
<b>Subdistrict IB</b>												
August 1999 .....	94.8	91.3	89.7	76.1	66.6	81.1	82.6	81.4	79.4	68.7	63.1	72.1
July 1999 .....	87.9	85.3	83.0	70.7	60.7	75.9	75.6	74.7	72.7	63.1	55.5	65.3
August 1998 .....	77.1	76.3	69.7	54.4	47.3	61.9	64.1	63.7	60.4	47.1	42.1	51.6
<b>Delaware</b>												
August 1999 .....	97.7	94.1	85.7	74.3	—	78.4	83.8	81.8	75.8	67.3	—	70.4
July 1999 .....	90.6	86.6	78.5	69.6	—	73.0	76.4	74.4	68.8	62.3	—	64.7
August 1998 .....	78.1	77.2	66.9	53.9	—	59.0	63.0	62.5	56.1	46.4	—	50.2
<b>District of Columbia</b>												
August 1999 .....	W	87.7	89.6	—	—	89.6	W	78.4	83.3	—	—	83.3
July 1999 .....	W	83.4	82.9	—	—	82.9	W	72.2	76.9	—	—	76.9
August 1998 .....	W	73.6	NA	W	—	NA	W	63.7	NA	W	—	NA
<b>Maryland</b>												
August 1999 .....	91.8	86.1	85.7	76.9	NA	82.1	81.2	78.2	77.1	69.7	NA	73.9
July 1999 .....	86.9	82.4	79.9	72.9	57.8	76.3	76.1	73.5	71.4	65.4	57.6	69.0
August 1998 .....	73.9	72.8	67.7	55.1	—	63.5	63.4	62.8	61.1	47.7	W	55.8
<b>New Jersey</b>												
August 1999 .....	98.9	92.7	90.2	74.6	66.9	79.2	87.0	83.0	80.9	68.0	63.0	70.6
July 1999 .....	91.8	88.4	84.1	68.8	61.6	75.9	80.3	78.0	74.7	62.3	55.4	63.0
August 1998 .....	81.6	81.3	71.7	55.6	47.1	61.9	68.8	68.6	63.0	48.9	42.0	50.2
<b>New York</b>												
August 1999 .....	95.6	91.7	93.6	78.4	70.9	86.3	84.6	83.7	82.8	70.3	65.9	75.8
July 1999 .....	89.0	85.8	86.1	72.6	NA	79.2	77.5	76.6	75.5	64.4	NA	68.6
August 1998 .....	77.3	76.1	71.7	53.8	48.2	64.2	65.2	64.1	61.7	47.0	43.4	53.8
<b>Pennsylvania</b>												
August 1999 .....	92.2	91.1	84.2	75.2	W	76.3	79.8	79.5	74.8	67.6	NA	69.3
July 1999 .....	84.6	83.7	77.3	69.5	NA	70.9	72.4	72.2	67.8	61.9	NA	63.2
August 1998 .....	75.1	74.6	64.4	53.8	47.6	57.5	62.0	61.9	55.5	46.0	42.0	49.2

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
August 1999 .....	74.5	74.2	70.6	65.7	60.9	66.8	84.5	84.0	77.9	70.4	—	73.3
July 1999 .....	68.9	68.7	66.1	61.0	57.3	62.2	78.8	78.4	73.2	65.6	—	68.6
August 1998 .....	55.9	55.6	49.5	42.4	40.7	44.7	66.4	66.0	57.2	46.9	—	51.1
<b>Florida</b>												
August 1999 .....	76.1	75.8	71.9	65.5	W	67.2	86.8	86.2	80.6	69.8	—	74.9
July 1999 .....	70.7	70.4	66.6	60.8	W	62.4	81.4	80.9	75.5	65.0	—	70.0
August 1998 .....	56.8	56.3	50.5	41.9	41.1	44.4	67.9	67.4	58.1	46.2	—	51.2
<b>Georgia</b>												
August 1999 .....	73.4	73.5	67.0	65.9	W	66.1	82.8	82.6	73.9	71.0	—	72.2
July 1999 .....	68.0	68.1	63.5	61.5	NA	61.9	77.3	77.3	69.5	66.4	—	67.7
August 1998 .....	53.3	53.3	46.5	42.3	—	43.6	63.2	63.5	52.3	47.1	—	49.5
<b>North Carolina</b>												
August 1999 .....	72.6	71.8	71.0	65.3	W	66.4	82.8	81.8	78.7	70.3	—	72.5
July 1999 .....	66.5	66.0	67.6	60.6	NA	62.0	76.4	75.8	75.8	65.8	—	68.4
August 1998 .....	55.8	55.2	48.1	42.2	W	44.2	66.3	65.8	58.4	47.0	—	50.6
<b>South Carolina</b>												
August 1999 .....	72.8	72.5	67.4	65.3	59.5	65.1	83.6	83.3	73.1	70.2	—	70.9
July 1999 .....	66.4	66.4	62.6	60.7	—	61.1	76.8	76.5	68.4	65.5	—	66.3
August 1998 .....	53.8	54.4	45.6	42.3	W	43.1	64.2	64.0	50.4	47.1	—	48.1
<b>Virginia</b>												
August 1999 .....	76.1	75.8	72.7	66.2	60.7	68.1	84.8	84.4	77.6	70.6	—	73.8
July 1999 .....	70.7	70.5	67.1	61.2	NA	62.9	79.4	79.0	71.9	65.1	—	68.2
August 1998 .....	58.2	58.1	53.6	43.0	W	46.7	68.3	67.9	62.3	47.3	—	53.8
<b>West Virginia</b>												
August 1999 .....	75.3	75.2	72.6	68.3	—	70.6	84.2	84.0	77.1	73.0	—	75.6
July 1999 .....	70.8	70.7	68.4	63.0	—	65.8	79.5	79.3	73.3	68.3	—	71.4
August 1998 .....	58.6	58.6	54.9	46.8	—	51.5	67.8	67.6	60.7	52.3	—	57.5
<b>PAD District II</b>												
August 1999 .....	78.3	78.2	73.4	67.7	61.2	68.7	86.3	86.2	80.5	71.4	—	75.1
July 1999 .....	74.0	73.9	68.9	63.2	55.4	64.2	82.0	81.9	75.8	66.9	—	70.5
August 1998 .....	61.6	61.6	54.1	46.0	43.4	47.8	69.8	69.7	61.3	50.5	—	55.0
<b>Illinois</b>												
August 1999 .....	80.7	80.7	79.7	67.2	60.8	69.1	88.4	88.2	87.0	70.7	—	80.1
July 1999 .....	76.7	76.5	75.0	63.3	58.1	66.4	83.9	83.8	82.8	67.3	—	76.4
August 1998 .....	66.0	65.9	61.3	46.2	43.5	49.1	73.5	73.1	65.8	50.8	—	59.6
<b>Indiana</b>												
August 1999 .....	76.4	76.4	73.1	66.1	NA	67.4	84.6	84.7	79.2	69.8	—	73.2
July 1999 .....	72.1	72.1	69.3	62.2	54.4	63.6	80.8	80.8	75.2	65.9	—	69.4
August 1998 .....	60.0	60.0	53.3	44.4	43.8	46.7	68.8	68.5	58.9	48.8	—	53.0
<b>Iowa</b>												
August 1999 .....	76.3	76.6	72.5	68.4	—	68.7	80.9	81.0	77.1	71.0	—	72.3
July 1999 .....	70.6	71.0	67.7	63.2	—	63.5	75.7	75.9	72.4	66.2	—	67.5
August 1998 .....	61.1	61.5	51.3	47.1	—	47.5	66.3	66.5	55.6	52.9	—	53.6
<b>Kansas</b>												
August 1999 .....	75.6	75.7	71.4	67.7	W	67.6	83.4	83.4	79.0	71.7	—	74.7
July 1999 .....	69.9	70.1	65.0	62.5	58.1	62.2	77.4	77.3	74.1	66.8	—	69.6
August 1998 .....	60.7	60.4	51.2	46.2	41.7	46.1	66.6	66.5	NA	51.2	—	52.8
<b>Kentucky</b>												
August 1999 .....	80.5	79.6	73.0	69.4	—	70.1	89.4	88.8	78.8	73.8	—	75.0
July 1999 .....	75.2	74.2	67.9	64.3	—	65.0	84.4	83.6	74.5	68.6	—	70.2
August 1998 .....	59.8	59.3	52.4	44.6	W	46.9	69.3	68.9	58.0	49.2	—	52.5
<b>Michigan</b>												
August 1999 .....	78.2	77.9	70.8	67.0	W	68.3	86.4	86.5	77.5	70.3	—	75.0
July 1999 .....	74.4	74.1	67.0	63.2	W	64.5	83.3	83.5	73.9	66.4	—	71.5
August 1998 .....	59.6	59.5	51.6	45.8	—	48.1	71.1	71.0	62.2	49.3	—	58.2
<b>Minnesota</b>												
August 1999 .....	85.4	85.2	79.9	72.3	W	74.0	89.9	89.5	83.5	73.7	—	75.4
July 1999 .....	79.8	79.7	73.5	66.9	W	68.3	84.6	84.3	77.2	68.3	—	69.7
August 1998 .....	70.2	70.2	59.8	51.9	W	53.8	75.1	75.0	NA	54.5	—	56.6
<b>Missouri</b>												
August 1999 .....	76.1	76.0	72.3	67.5	W	68.9	84.9	84.5	81.8	71.2	—	77.9
July 1999 .....	71.9	71.8	67.9	62.7	W	64.2	80.4	80.2	76.6	66.6	—	73.0
August 1998 .....	57.2	57.8	54.3	45.7	—	48.3	65.5	66.2	59.2	51.1	—	55.6

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
August 1999 .....	92.9	92.0	84.7	75.9	68.1	78.6	79.4	78.9	75.1	68.2	61.9	70.0
July 1999 .....	87.2	86.5	80.0	71.0	W	74.0	74.0	73.6	70.6	63.5	57.2	65.5
August 1998 .....	74.4	73.6	62.0	53.0	W	56.5	61.4	61.1	53.7	45.1	40.9	48.1
<b>Florida</b>												
August 1999 .....	94.3	93.8	87.2	75.6	W	80.7	81.4	80.9	77.7	68.0	62.5	71.3
July 1999 .....	88.6	88.2	82.1	71.0	NA	76.2	76.1	75.7	72.6	63.4	W	66.6
August 1998 .....	74.6	73.5	64.6	52.4	-	57.8	62.3	61.9	56.3	44.7	41.1	48.7
<b>Georgia</b>												
August 1999 .....	91.3	90.7	79.1	76.1	69.3	76.7	78.0	78.0	70.5	68.3	64.2	68.8
July 1999 .....	85.9	85.7	75.2	71.6	W	72.3	72.7	72.9	66.9	63.9	NA	64.6
August 1998 .....	71.7	71.7	58.4	53.0	-	55.0	58.4	58.8	50.2	44.9	-	46.7
<b>North Carolina</b>												
August 1999 .....	91.6	90.4	85.8	75.8	-	77.8	77.6	76.6	75.1	68.0	W	69.5
July 1999 .....	85.5	84.7	83.2	71.0	-	73.6	71.7	71.0	72.1	63.3	NA	65.2
August 1998 .....	75.2	74.0	58.6	53.1	-	55.0	61.7	60.9	51.5	45.1	W	47.3
<b>South Carolina</b>												
August 1999 .....	93.3	92.0	79.2	75.5	W	76.2	77.8	77.3	70.2	67.7	59.9	67.6
July 1999 .....	86.2	85.2	74.0	70.5	-	71.2	71.5	71.2	65.7	63.1	-	63.7
August 1998 .....	72.9	72.4	57.1	53.1	-	54.0	59.1	59.2	48.4	45.0	W	45.9
<b>Virginia</b>												
August 1999 .....	93.4	91.8	85.0	76.1	W	79.6	80.6	80.1	76.6	68.6	62.2	71.3
July 1999 .....	88.3	87.1	79.3	70.5	W	73.6	75.4	75.0	71.1	63.5	W	66.0
August 1998 .....	76.4	75.9	65.1	53.2	W	58.5	63.5	63.3	57.8	45.7	NA	50.3
<b>West Virginia</b>												
August 1999 .....	92.6	90.6	83.0	77.7	-	80.5	78.8	78.6	74.8	70.3	-	72.7
July 1999 .....	87.7	86.4	79.7	73.3	-	76.8	74.4	74.3	70.9	65.2	-	68.2
August 1998 .....	76.2	75.9	66.7	57.5	-	63.0	62.5	62.5	57.7	49.2	-	54.2
<b>PAD District II</b>												
August 1999 .....	93.9	93.1	86.9	76.5	NA	79.1	81.0	80.8	76.3	69.1	61.4	70.5
July 1999 .....	89.6	89.0	82.1	72.2	NA	74.8	76.8	76.6	71.8	64.6	55.5	66.2
August 1998 .....	77.0	76.5	66.4	55.3	50.5	58.7	64.5	64.4	57.0	47.6	43.7	49.9
<b>Illinois</b>												
August 1999 .....	98.1	97.6	96.1	76.6	W	85.1	84.0	83.8	84.6	68.7	60.8	72.4
July 1999 .....	94.1	93.7	91.8	73.2	W	81.7	80.0	79.7	80.0	64.8	58.2	69.8
August 1998 .....	83.3	82.6	73.3	57.5	W	64.6	69.3	69.2	64.6	48.1	43.7	52.2
<b>Indiana</b>												
August 1999 .....	91.3	91.1	86.4	75.9	W	78.2	79.3	79.3	76.1	67.7	59.2	69.5
July 1999 .....	87.1	86.9	82.6	72.1	W	74.0	75.2	75.2	72.4	63.9	54.6	65.7
August 1998 .....	76.2	75.8	65.8	55.0	W	58.4	63.6	63.5	56.1	46.4	44.1	49.0
<b>Iowa</b>												
August 1999 .....	86.2	86.2	85.2	77.4	-	78.4	77.4	77.7	74.9	69.2	-	69.8
July 1999 .....	79.6	79.6	79.6	72.4	-	73.2	71.8	72.2	70.1	64.2	-	64.8
August 1998 .....	70.6	70.6	58.9	56.1	-	56.6	62.3	62.6	53.2	48.4	-	49.0
<b>Kansas</b>												
August 1999 .....	89.3	89.1	80.7	74.5	NA	75.3	77.3	77.3	73.1	68.5	W	68.5
July 1999 .....	84.0	83.9	73.3	69.3	62.9	69.8	71.7	71.8	66.6	63.3	58.3	63.2
August 1998 .....	73.0	72.7	60.7	53.8	W	53.8	62.1	61.8	52.7	47.0	42.7	47.1
<b>Kentucky</b>												
August 1999 .....	98.3	96.0	85.3	78.8	-	80.1	84.1	83.1	75.7	71.4	-	72.2
July 1999 .....	92.9	90.7	80.7	73.7	-	75.2	79.0	77.9	70.9	66.2	-	67.2
August 1998 .....	78.7	77.6	64.5	54.8	-	57.9	64.2	63.6	55.3	46.9	W	49.4
<b>Michigan</b>												
August 1999 .....	93.6	93.3	83.4	76.7	-	79.4	80.5	80.3	73.3	68.3	W	70.2
July 1999 .....	90.1	89.7	79.2	73.1	NA	75.6	76.9	76.6	69.6	64.5	W	66.4
August 1998 .....	75.5	74.9	64.1	56.5	-	59.8	62.4	62.2	54.7	47.5	-	50.6
<b>Minnesota</b>												
August 1999 .....	97.5	96.8	88.5	79.6	-	82.4	86.9	86.7	81.1	73.1	W	74.9
July 1999 .....	91.2	90.7	81.8	74.1	W	76.3	81.3	81.2	74.8	67.8	W	69.3
August 1998 .....	80.8	80.9	68.2	58.0	W	61.2	71.7	71.6	61.3	52.9	W	54.9
<b>Missouri</b>												
August 1999 .....	93.9	92.2	84.3	74.5	-	77.7	78.5	78.3	74.8	68.5	W	70.5
July 1999 .....	89.4	89.0	79.8	70.7	W	73.5	74.4	74.3	70.4	63.9	W	65.8
August 1998 .....	73.6	73.6	65.4	54.6	-	58.4	59.7	60.2	56.3	47.0	-	49.9

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
August 1999	76.9	77.1	70.3	68.1	—	68.4	84.6	84.5	74.1	70.9	—	72.2
July 1999	72.3	72.6	65.6	63.4	—	63.7	79.4	79.3	69.5	67.5	—	68.3
August 1998	62.5	62.5	51.2	46.8	—	47.5	68.8	68.1	58.1	53.9	—	54.8
<b>North Dakota</b>												
August 1999	84.9	82.3	75.5	70.5	—	71.5	91.9	91.1	78.2	75.5	—	77.1
July 1999	79.6	77.2	69.4	64.9	—	65.8	86.4	85.6	73.7	70.4	—	72.2
August 1998	72.6	71.9	55.4	49.1	—	50.2	79.1	78.4	NA	56.1	—	57.1
<b>Ohio</b>												
August 1999	79.6	79.4	73.1	67.6	NA	69.6	89.2	88.6	80.4	70.1	—	75.2
July 1999	76.4	76.1	69.9	63.3	W	65.6	85.8	85.1	76.9	66.2	—	71.4
August 1998	61.8	61.5	54.0	45.2	42.6	48.3	71.1	70.7	61.0	48.6	—	55.1
<b>Oklahoma</b>												
August 1999	73.0	73.0	69.1	66.2	60.7	64.8	79.1	79.3	75.9	68.7	—	74.0
July 1999	NA	NA	62.9	61.5	54.0	59.2	NA	NA	69.8	63.1	—	67.6
August 1998	58.8	58.6	48.2	45.7	43.7	45.1	64.7	64.5	54.5	47.4	—	52.0
<b>South Dakota</b>												
August 1999	82.0	82.3	76.1	70.2	—	71.9	85.2	85.6	79.8	NA	—	71.8
July 1999	77.6	78.1	70.4	64.4	—	66.0	78.6	79.1	72.9	NA	—	66.5
August 1998	70.0	70.5	54.9	49.5	—	50.9	74.6	74.9	58.8	NA	—	NA
<b>Tennessee</b>												
August 1999	72.5	72.2	68.8	65.8	W	65.9	83.6	83.5	NA	70.5	—	72.1
July 1999	68.1	67.8	61.8	61.1	—	61.2	77.9	77.6	66.4	65.8	—	66.0
August 1998	55.1	54.9	51.9	42.7	—	44.1	65.1	65.0	60.9	47.5	—	50.3
<b>Wisconsin</b>												
August 1999	80.8	80.5	73.2	67.8	—	69.1	87.9	87.8	80.8	72.2	—	75.3
July 1999	76.0	75.7	69.3	63.8	—	65.1	83.4	83.4	77.0	68.5	—	71.7
August 1998	63.0	62.9	54.3	46.4	W	47.7	70.8	70.9	60.6	52.1	—	54.7
<b>PAD District III</b>												
August 1999	74.5	74.7	71.5	66.2	60.0	65.5	84.1	83.8	76.9	70.3	—	72.2
July 1999	69.7	69.8	66.6	61.1	54.1	59.9	78.2	78.0	72.1	65.1	—	67.2
August 1998	57.1	56.8	50.8	42.3	39.4	42.5	68.2	67.7	57.1	46.3	—	49.7
<b>Alabama</b>												
August 1999	74.0	73.8	74.0	66.2	—	68.2	82.6	82.6	81.5	71.1	—	74.7
July 1999	67.4	67.3	69.6	61.2	—	63.4	75.8	75.9	76.5	65.9	—	69.6
August 1998	60.2	59.8	51.1	42.5	—	45.2	69.2	68.2	57.0	47.0	—	51.6
<b>Arkansas</b>												
August 1999	72.1	72.2	68.7	65.6	W	65.7	82.2	81.9	74.8	69.3	—	70.6
July 1999	67.8	67.9	64.9	60.9	56.0	61.1	77.0	76.8	70.7	64.7	—	66.1
August 1998	57.0	57.0	50.9	43.3	W	44.5	66.4	65.6	54.0	46.8	—	48.5
<b>Louisiana</b>												
August 1999	75.5	75.2	71.6	64.4	58.5	64.2	86.0	85.3	75.1	69.7	—	71.6
July 1999	69.7	69.5	67.3	60.2	52.1	58.1	80.3	79.6	70.7	65.1	—	67.2
August 1998	58.1	57.2	53.0	40.7	38.8	42.0	69.5	68.6	59.6	44.8	—	50.3
<b>Mississippi</b>												
August 1999	73.8	73.8	68.3	64.8	58.2	63.1	83.6	83.4	74.6	69.6	—	70.2
July 1999	66.8	66.9	63.7	60.1	52.2	58.3	74.7	74.7	70.3	64.9	—	65.5
August 1998	60.9	60.2	54.0	41.2	38.6	42.9	71.0	70.5	60.0	45.7	—	50.5
<b>New Mexico</b>												
August 1999	85.9	85.6	76.5	76.4	—	76.4	94.9	94.4	81.7	80.9	—	81.2
July 1999	80.1	80.0	71.1	68.7	—	69.0	88.7	88.0	76.2	73.2	—	74.3
August 1998	66.1	65.6	54.1	49.0	—	49.9	75.5	75.1	59.6	54.1	—	55.2
<b>Texas</b>												
August 1999	73.7	74.1	70.8	66.0	60.5	64.9	83.4	83.2	75.7	70.1	—	71.6
July 1999	69.6	69.8	65.6	60.7	54.7	59.2	78.4	78.2	70.7	64.5	—	66.4
August 1998	55.2	55.1	49.3	42.0	39.5	41.6	66.8	66.4	55.8	46.0	—	48.7
<b>PAD District IV</b>												
August 1999	90.2	90.0	84.4	80.7	W	81.5	100.0	99.8	90.3	86.7	—	87.9
July 1999	82.1	82.0	75.1	72.1	W	72.7	90.9	90.8	79.8	76.8	—	77.8
August 1998	68.2	68.0	60.1	56.3	—	57.3	78.6	78.2	64.4	60.0	—	61.9
<b>Colorado</b>												
August 1999	87.1	86.7	79.9	76.7	W	77.4	99.5	99.3	87.4	81.2	—	84.0
July 1999	78.0	77.7	69.0	66.9	W	67.4	89.2	89.1	76.0	70.8	—	73.0
August 1998	65.9	65.4	54.9	50.6	—	51.5	79.2	78.6	59.8	54.5	—	56.3

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
August 1999 .....	91.0	90.9	84.1	76.5	—	77.9	79.1	79.1	72.1	68.8	—	69.3
July 1999 .....	87.0	86.8	78.9	71.5	—	73.0	74.5	74.5	67.4	64.1	—	64.6
August 1998 .....	76.0	75.8	61.8	55.4	—	56.6	64.4	64.1	53.2	48.2	—	49.0
<b>North Dakota</b>												
August 1999 .....	93.0	NA	85.3	79.8	—	81.4	85.9	83.4	76.7	71.1	—	72.5
July 1999 .....	89.8	86.3	79.6	74.4	—	75.9	80.9	78.5	71.0	65.7	—	66.9
August 1998 .....	78.1	77.7	65.2	58.7	—	60.3	73.4	72.8	56.7	50.0	—	51.2
<b>Ohio</b>												
August 1999 .....	96.6	95.4	86.9	77.3	W	81.1	82.9	82.5	76.0	69.0	NA	71.6
July 1999 .....	93.1	92.1	83.6	72.8	NA	77.3	79.7	79.2	72.7	64.8	W	67.8
August 1998 .....	79.0	78.3	67.1	55.4	—	60.8	65.3	64.9	57.1	47.0	42.6	50.8
<b>Oklahoma</b>												
August 1999 .....	85.9	85.7	76.4	72.7	NA	70.4	75.2	75.2	70.4	67.3	61.0	65.7
July 1999 .....	NA	NA	71.2	68.9	NA	65.8	NA	NA	64.4	62.7	54.0	60.1
August 1998 .....	71.2	70.8	55.7	53.0	50.1	53.2	61.5	61.2	49.4	46.9	43.9	46.0
<b>South Dakota</b>												
August 1999 .....	99.8	99.1	83.8	80.9	—	81.6	83.7	83.9	77.1	70.9	—	72.7
July 1999 .....	92.0	91.6	77.4	73.8	—	74.8	78.6	79.0	71.2	65.0	—	66.7
August 1998 .....	85.6	85.6	64.4	60.0	—	61.4	71.8	72.1	56.2	50.6	—	52.1
<b>Tennessee</b>												
August 1999 .....	91.5	91.0	NA	76.0	—	77.3	77.5	77.3	73.0	68.2	W	68.8
July 1999 .....	86.5	86.1	73.9	71.3	—	71.7	73.1	72.8	65.2	63.6	—	63.9
August 1998 .....	74.0	73.5	65.6	53.2	—	54.9	60.4	60.1	56.0	45.5	—	47.1
<b>Wisconsin</b>												
August 1999 .....	94.2	93.5	84.8	77.7	—	79.6	82.6	82.3	75.0	69.0	—	70.5
July 1999 .....	89.7	88.8	81.1	73.7	—	75.7	78.0	77.6	71.3	65.0	—	66.6
August 1998 .....	76.2	75.9	65.2	57.1	W	58.7	65.1	65.0	56.3	47.9	W	49.4
<b>PAD District III</b>												
August 1999 .....	92.1	91.9	83.6	75.7	60.7	73.7	78.4	78.5	74.4	68.0	60.2	67.3
July 1999 .....	86.7	86.7	78.9	70.7	56.6	68.2	73.5	73.5	69.6	63.0	54.6	61.9
August 1998 .....	74.2	73.4	63.6	52.3	45.9	53.3	61.6	61.1	54.2	44.4	40.1	44.7
<b>Alabama</b>												
August 1999 .....	91.6	90.9	88.6	76.8	—	80.0	78.2	77.9	78.2	68.9	—	71.4
July 1999 .....	83.8	83.5	84.2	71.7	—	75.1	71.5	71.4	73.9	63.9	—	66.6
August 1998 .....	76.1	75.2	64.7	53.7	—	57.1	64.9	64.4	54.9	45.5	—	48.6
<b>Arkansas</b>												
August 1999 .....	88.8	88.3	80.8	74.9	61.5	73.4	75.8	75.8	71.3	67.3	60.6	67.4
July 1999 .....	83.4	83.1	77.1	70.0	56.1	67.6	71.4	71.5	67.6	62.7	56.0	62.8
August 1998 .....	74.6	72.9	62.0	53.3	W	54.2	60.5	60.0	53.3	45.4	W	46.7
<b>Louisiana</b>												
August 1999 .....	93.8	92.5	82.4	74.7	61.5	71.5	80.2	79.7	74.7	66.8	59.5	66.5
July 1999 .....	88.3	87.1	79.1	70.2	56.4	64.8	74.6	74.2	70.5	62.7	53.4	60.5
August 1998 .....	77.8	75.5	67.1	50.6	W	52.8	63.9	62.8	57.4	43.2	40.7	45.1
<b>Mississippi</b>												
August 1999 .....	93.3	92.5	80.9	75.1	56.7	72.7	78.4	78.3	71.5	67.2	58.0	65.2
July 1999 .....	84.4	84.0	76.8	70.4	W	69.5	70.9	71.0	67.1	62.6	52.6	60.8
August 1998 .....	74.7	73.5	65.9	51.7	W	53.8	65.3	64.6	56.9	43.7	39.3	45.6
<b>New Mexico</b>												
August 1999 .....	100.4	99.4	85.9	85.5	—	85.6	88.4	88.0	78.1	77.9	—	77.9
July 1999 .....	94.4	93.9	80.5	77.7	—	78.0	82.9	82.6	72.9	70.2	—	70.6
August 1998 .....	83.1	82.4	65.5	58.7	—	60.1	69.3	68.7	56.4	50.7	—	51.8
<b>Texas</b>												
August 1999 .....	91.5	91.7	81.9	75.0	60.6	72.3	77.6	77.8	73.2	67.5	60.5	66.4
July 1999 .....	87.2	87.6	76.4	70.2	56.8	67.1	73.4	73.5	68.0	62.4	55.0	60.9
August 1998 .....	72.7	72.2	61.5	51.8	45.2	51.7	59.7	59.3	52.4	43.9	40.0	43.3
<b>PAD District IV</b>												
August 1999 .....	108.0	106.7	95.2	90.3	W	91.5	94.3	93.9	86.9	82.7	W	83.7
July 1999 .....	99.8	98.8	85.8	81.8	W	82.8	86.2	85.9	77.6	74.1	W	74.9
August 1998 .....	85.9	84.1	69.2	66.5	—	67.3	72.5	72.0	62.6	58.5	—	59.7
<b>Colorado</b>												
August 1999 .....	108.4	106.2	90.9	85.4	W	87.1	92.5	91.8	83.2	78.4	W	79.7
July 1999 .....	98.6	97.3	80.2	75.7	W	77.1	83.4	82.9	72.4	68.7	W	69.7
August 1998 .....	86.2	83.9	64.0	59.5	—	60.9	71.3	70.4	57.6	52.4	—	53.7

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
August 1999 .....	95.5	96.0	92.3	90.3	—	90.8	105.9	105.2	97.4	93.9	—	94.7
July 1999 .....	86.8	87.6	82.2	78.5	—	79.6	96.4	96.5	86.8	83.2	—	84.0
August 1998 .....	71.7	72.1	64.6	60.5	—	61.9	80.5	80.4	69.3	65.3	—	67.0
<b>Montana</b>												
August 1999 .....	91.1	90.5	82.2	77.8	—	78.5	96.0	96.0	W	82.4	—	85.0
July 1999 .....	89.0	88.1	76.6	72.6	—	73.3	94.7	94.6	W	77.3	—	79.6
August 1998 .....	73.3	73.7	63.1	61.2	—	61.5	79.3	79.4	67.5	66.2	—	66.4
<b>Utah</b>												
August 1999 .....	92.3	92.0	86.3	85.4	—	85.7	101.2	101.1	94.2	91.1	—	91.9
July 1999 .....	84.0	83.7	76.9	76.5	—	76.6	92.2	92.0	83.9	82.1	—	82.6
August 1998 .....	67.0	66.3	59.6	57.3	—	58.2	75.8	75.4	NA	63.4	—	64.5
<b>Wyoming</b>												
August 1999 .....	92.9	92.2	88.4	77.7	—	78.9	102.3	101.5	95.9	NA	—	81.4
July 1999 .....	85.9	85.2	80.6	69.8	—	71.0	93.2	92.5	85.8	NA	—	73.4
August 1998 .....	75.7	74.5	63.9	56.9	—	58.3	82.5	81.3	67.7	63.6	—	65.1
<b>PAD District V</b>												
August 1999 .....	98.1	97.7	90.5	85.6	79.6	87.4	107.0	106.8	95.9	92.7	W	95.1
July 1999 .....	92.5	92.9	84.7	86.7	87.6	85.8	101.1	101.2	89.4	93.6	W	90.4
August 1998 .....	69.9	68.9	62.2	53.9	49.5	57.7	78.8	78.4	68.1	59.5	W	66.0
<b>Alaska</b>												
August 1999 .....	111.1	110.4	86.3	81.0	W	82.7	NA	NA	90.4	W	—	89.7
July 1999 .....	105.8	105.3	82.1	76.9	W	79.2	NA	NA	86.0	W	—	85.8
August 1998 .....	94.5	95.0	84.0	67.5	W	73.0	103.8	102.3	83.7	80.6	—	82.2
<b>Arizona</b>												
August 1999 .....	88.9	88.1	78.3	77.9	NA	78.1	99.0	98.6	82.4	82.4	—	82.4
July 1999 .....	83.6	85.2	75.5	74.8	NA	75.2	93.3	93.8	78.1	77.6	—	77.9
August 1998 .....	67.9	67.2	56.8	49.0	45.8	53.3	76.9	76.8	63.9	55.0	—	61.6
<b>California</b>												
August 1999 .....	99.0	99.1	91.8	86.4	80.3	88.3	107.1	107.2	96.8	93.8	W	96.2
July 1999 .....	91.7	92.2	85.1	90.3	88.5	87.0	100.1	100.3	89.6	96.8	W	91.0
August 1998 .....	69.0	68.0	62.6	54.0	50.0	58.0	78.3	77.9	68.1	59.0	W	66.3
<b>Hawaii</b>												
August 1999 .....	99.7	94.4	90.2	80.5	W	88.1	109.0	103.6	91.2	82.2	—	91.0
July 1999 .....	98.0	93.3	89.0	79.1	W	84.1	107.4	102.7	90.4	NA	—	90.1
August 1998 .....	105.6	91.5	94.0	79.5	—	91.9	111.9	102.6	98.2	84.3	—	97.8
<b>Nevada</b>												
August 1999 .....	102.5	102.1	86.4	88.4	NA	86.3	115.4	115.4	89.5	97.2	—	91.5
July 1999 .....	98.6	99.1	NA	NA	NA	84.6	110.2	110.0	NA	NA	—	87.4
August 1998 .....	70.9	66.8	55.9	52.1	48.0	53.2	78.8	75.5	61.5	57.5	—	60.1
<b>Oregon</b>												
August 1999 .....	102.8	101.3	92.3	84.7	NA	87.2	116.0	114.3	97.5	92.5	—	95.4
July 1999 .....	99.4	99.1	89.1	84.5	84.7	86.5	112.5	111.9	94.8	92.0	—	93.6
August 1998 .....	70.8	70.3	59.5	52.5	48.0	54.6	80.2	79.5	66.0	59.9	—	63.2
<b>Washington</b>												
August 1999 .....	98.7	98.7	91.5	86.7	NA	88.3	109.1	109.0	97.9	92.9	—	95.9
July 1999 .....	97.4	97.5	86.5	85.1	84.2	85.8	108.9	108.7	93.0	91.9	—	92.6
August 1998 .....	67.4	67.6	61.5	55.0	47.4	58.0	78.8	79.0	67.9	61.5	—	65.6

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
August 1999 .....	111.9	111.5	102.5	100.2	—	100.8	98.2	98.2	94.0	91.8	—	92.4
July 1999 .....	104.2	103.6	92.0	88.3	—	89.3	89.5	89.9	83.8	80.2	—	81.2
August 1998 .....	87.8	86.9	75.1	70.6	—	72.2	74.7	74.7	66.6	62.2	—	63.7
<b>Montana</b>												
August 1999 .....	104.3	104.2	93.8	89.6	—	90.3	93.4	92.8	84.6	79.9	—	80.7
July 1999 .....	102.1	101.9	88.2	84.6	—	85.2	91.2	90.4	78.9	74.8	—	75.6
August 1998 .....	86.3	86.3	74.4	72.9	—	73.1	76.0	76.1	65.4	63.6	—	63.9
<b>Utah</b>												
August 1999 .....	109.2	108.3	99.3	95.3	—	96.4	96.7	96.5	89.4	87.9	—	88.3
July 1999 .....	100.7	100.0	90.8	86.5	—	87.6	88.5	88.2	80.2	79.0	—	79.3
August 1998 .....	83.6	81.8	69.2	67.3	—	68.2	71.2	70.3	63.1	60.2	—	61.4
<b>Wyoming</b>												
August 1999 .....	107.7	106.0	98.7	87.2	—	88.9	96.4	95.6	91.3	79.3	—	80.9
July 1999 .....	100.3	98.9	90.3	79.3	—	80.9	89.0	88.2	83.3	71.5	—	73.1
August 1998 .....	87.9	86.3	75.0	67.0	—	68.7	78.7	77.3	66.5	59.1	—	60.6
<b>PAD District V</b>												
August 1999 .....	116.3	115.6	104.2	98.8	90.0	101.9	101.8	101.4	93.4	87.6	80.4	90.1
July 1999 .....	110.3	110.4	98.4	99.7	96.3	98.6	96.2	96.5	87.6	88.8	88.5	88.1
August 1998 .....	88.1	87.3	76.8	66.0	54.2	71.1	74.0	73.0	65.8	56.0	50.3	60.8
<b>Alaska</b>												
August 1999 .....	127.0	126.9	102.7	90.8	—	95.3	113.1	112.5	88.1	81.9	W	83.9
July 1999 .....	120.2	120.0	99.6	86.2	—	92.3	107.9	107.3	84.2	77.7	W	80.3
August 1998 .....	109.8	109.7	92.6	79.4	—	85.3	96.9	97.3	84.9	68.8	W	74.3
<b>Arizona</b>												
August 1999 .....	110.4	109.5	91.8	90.2	NA	91.2	93.0	92.0	80.6	79.8	NA	80.3
July 1999 .....	105.5	106.1	87.9	86.2	NA	87.3	87.8	89.0	77.6	76.5	NA	77.2
August 1998 .....	87.5	87.2	70.5	61.4	W	67.5	71.8	71.2	59.8	51.0	46.2	56.1
<b>California</b>												
August 1999 .....	116.7	116.5	105.9	99.6	91.3	103.5	102.9	102.9	94.9	88.4	81.2	91.3
July 1999 .....	108.8	109.2	99.3	103.0	97.4	99.9	95.7	96.1	88.3	92.5	89.5	89.5
August 1998 .....	86.5	85.7	76.9	65.0	53.4	71.6	73.4	72.4	66.4	56.0	50.5	61.5
<b>Hawaii</b>												
August 1999 .....	111.5	106.3	99.8	91.2	W	97.8	103.5	98.1	92.9	83.2	W	91.1
July 1999 .....	110.8	105.7	98.5	89.8	W	97.6	102.1	97.1	91.7	81.8	W	88.1
August 1998 .....	122.5	109.1	105.3	91.4	—	103.8	110.3	96.6	97.7	82.5	—	95.8
<b>Nevada</b>												
August 1999 .....	121.9	121.3	98.5	100.8	NA	98.7	106.7	106.2	88.4	90.5	NA	88.3
July 1999 .....	117.0	117.0	NA	100.0	NA	96.1	102.6	102.9	NA	NA	NA	86.4
August 1998 .....	84.6	84.3	69.3	63.3	W	65.8	73.9	70.0	59.3	54.2	48.3	55.9
<b>Oregon</b>												
August 1999 .....	122.0	119.5	NA	101.5	W	101.6	105.4	103.8	94.1	86.7	NA	89.3
July 1999 .....	119.0	118.0	NA	100.5	W	99.0	102.1	101.7	90.9	86.5	84.8	88.4
August 1998 .....	89.9	88.3	73.9	67.6	NA	66.7	73.6	73.1	61.7	54.8	50.2	56.9
<b>Washington</b>												
August 1999 .....	118.4	118.0	104.0	99.1	W	101.1	102.0	101.9	93.8	88.6	NA	90.5
July 1999 .....	NA	NA	99.7	97.4	89.5	98.3	101.4	101.3	89.0	87.1	85.8	88.1
August 1998 .....	88.7	88.5	75.4	68.4	NA	69.5	71.6	71.8	64.2	57.3	50.7	60.6

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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

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

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	78.7	78.6	74.2	68.2	61.5	68.7	87.1	86.8	79.9	71.9	-	74.9
July 1999 .....	73.8	73.7	69.3	63.5	55.2	63.7	81.7	81.5	74.8	67.1	-	70.0
August 1998 .....	60.0	59.9	52.9	45.0	41.0	46.2	69.2	68.8	59.4	48.8	-	53.0
<b>PAD District I</b>												
August 1999 .....	75.6	75.3	71.0	65.8	60.7	66.6	84.8	84.3	78.0	70.2	-	73.2
July 1999 .....	69.5	69.3	65.8	60.8	54.7	61.3	78.5	78.2	73.0	65.3	-	68.3
August 1998 .....	56.9	56.6	49.7	42.7	40.7	44.7	66.7	66.4	56.9	46.8	-	50.9
<b>Subdistrict IA</b>												
August 1999 .....	84.6	84.4	78.4	66.9	W	71.2	93.8	93.1	84.4	72.2	-	77.9
July 1999 .....	77.0	76.8	71.8	61.1	-	65.2	86.1	85.5	77.6	66.0	-	71.5
August 1998 .....	66.7	66.5	56.9	45.9	W	49.1	77.3	76.4	64.7	50.4	-	57.9
<b>Connecticut</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Maine</b>												
August 1999 .....	84.7	84.6	77.3	66.3	-	69.3	94.3	93.7	83.2	72.1	-	75.9
July 1999 .....	76.7	76.6	70.6	60.6	-	63.3	86.1	85.7	76.3	65.7	-	69.5
August 1998 .....	69.1	68.9	56.6	45.9	W	47.2	80.0	78.8	65.3	50.4	-	56.3
<b>Massachusetts</b>												
August 1999 .....	-	-	-	-	W	W	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>New Hampshire</b>												
August 1999 .....	83.9	83.7	78.6	68.4	-	74.2	93.6	93.2	83.3	71.2	-	78.4
July 1999 .....	76.6	76.6	71.9	62.5	-	67.7	85.9	85.3	77.3	65.8	-	72.6
August 1998 .....	64.1	64.0	55.3	44.7	-	51.3	74.4	73.9	60.9	49.7	-	59.5
<b>Rhode Island</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vermont</b>												
August 1999 .....	84.9	84.4	79.5	69.5	-	75.9	92.8	91.6	86.3	NA	-	82.9
July 1999 .....	77.9	77.5	73.1	63.5	-	69.7	86.1	85.0	79.6	67.7	-	76.1
August 1998 .....	64.1	63.9	57.6	46.4	-	54.0	73.1	72.6	65.9	50.6	-	61.3
<b>Subdistrict IB</b>												
August 1999 .....	77.9	77.7	71.1	66.4	60.5	66.2	85.0	84.9	77.7	69.8	-	73.1
July 1999 .....	70.4	70.3	64.2	60.6	54.3	59.4	77.1	77.0	71.4	64.2	-	67.3
August 1998 .....	58.6	58.3	50.8	44.0	40.5	45.2	67.3	66.8	57.2	47.7	-	52.1
<b>Delaware</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>District of Columbia</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Maryland</b>												
August 1999 .....	79.5	78.1	69.4	65.4	-	66.0	87.6	86.2	76.4	69.2	-	69.9
July 1999 .....	72.8	71.6	64.0	60.8	-	61.4	81.4	80.0	69.9	65.2	-	65.9
August 1998 .....	60.7	60.4	49.7	42.4	-	43.9	69.8	69.2	57.1	47.0	-	48.8
<b>New Jersey</b>												
August 1999 .....	-	-	-	-	60.1	60.1	-	-	-	-	-	-
July 1999 .....	-	-	-	-	54.7	54.7	-	-	-	-	-	-
August 1998 .....	-	-	-	-	40.3	40.3	-	-	-	-	-	-
<b>New York</b>												
August 1999 .....	80.1	79.5	71.1	67.6	61.6	68.4	89.1	88.2	NA	70.4	-	NA
July 1999 .....	72.7	72.2	64.5	61.5	NA	61.2	81.3	80.2	NA	64.6	-	NA
August 1998 .....	59.7	58.9	50.0	44.7	W	46.4	68.5	66.5	56.0	48.7	-	52.4
<b>Pennsylvania</b>												
August 1999 .....	76.1	76.2	71.1	65.7	NA	66.4	83.4	83.4	77.7	69.7	-	73.3
July 1999 .....	68.5	68.7	64.0	59.9	NA	60.2	75.3	75.5	71.4	64.0	-	67.3
August 1998 .....	57.7	57.7	51.5	43.7	40.5	45.6	66.7	66.7	57.7	47.4	-	52.2

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	95.2	94.3	86.6	77.5	63.3	78.6	82.1	81.8	77.0	69.9	61.7	70.7
July 1999 .....	90.0	89.4	81.6	72.7	58.2	73.6	77.1	77.0	72.2	65.2	55.6	65.8
August 1998 .....	76.4	75.6	64.6	54.7	48.6	57.3	63.8	63.5	55.9	46.9	41.7	48.6
<b>PAD District I</b>												
August 1999 .....	93.1	91.9	84.5	75.7	64.2	77.4	79.9	79.4	74.8	68.0	61.3	69.3
July 1999 .....	87.0	86.1	79.5	70.7	59.2	72.9	73.9	73.5	69.7	63.1	55.1	64.1
August 1998 .....	74.7	73.9	61.7	52.9	46.4	55.9	61.8	61.4	53.4	45.1	41.3	47.6
<b>Subdistrict IA</b>												
August 1999 .....	102.3	101.3	89.9	76.6	W	80.8	87.6	87.2	80.6	68.5	W	73.1
July 1999 .....	95.0	94.0	83.1	71.0	—	76.4	80.2	79.9	74.1	62.7	—	67.2
August 1998 .....	86.3	86.0	70.0	55.6	—	63.4	70.7	70.4	60.1	47.6	W	51.8
<b>Connecticut</b>												
August 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
July 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
August 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Maine</b>												
August 1999 .....	103.4	101.7	88.4	76.4	W	77.7	87.6	87.4	79.1	68.0	W	71.0
July 1999 .....	95.5	94.1	81.4	70.9	—	73.7	79.8	79.7	72.5	62.2	—	65.0
August 1998 .....	90.0	89.7	71.2	55.6	—	60.9	73.4	73.1	59.9	47.6	W	49.4
<b>Massachusetts</b>												
August 1999 .....	—	—	—	—	—	—	—	—	—	—	W	W
July 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
August 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>New Hampshire</b>												
August 1999 .....	102.0	102.0	89.7	77.1	—	85.4	87.2	87.0	81.0	69.8	—	76.3
July 1999 .....	95.3	95.3	83.7	70.9	—	79.4	80.2	80.1	74.5	63.8	—	70.1
August 1998 .....	83.4	83.4	68.0	55.4	—	66.3	68.0	67.9	58.3	45.6	—	54.3
<b>Rhode Island</b>												
August 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
July 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
August 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Vermont</b>												
August 1999 .....	100.2	99.9	91.0	77.8	—	87.3	87.7	87.0	82.1	70.8	—	78.3
July 1999 .....	93.8	93.1	84.3	71.9	—	80.8	81.0	80.4	75.6	64.9	—	72.0
August 1998 .....	81.4	81.1	69.7	55.5	—	66.2	67.5	67.2	60.9	48.2	—	57.0
<b>Subdistrict IB</b>												
August 1999 .....	93.5	90.4	82.9	75.7	62.7	74.1	80.8	80.4	73.5	67.9	60.9	67.8
July 1999 .....	85.8	83.4	76.2	70.1	NA	69.8	73.3	73.0	66.8	62.3	54.7	61.2
August 1998 .....	75.0	74.4	62.4	53.5	46.5	55.4	62.2	61.8	53.5	45.8	41.2	47.3
<b>Delaware</b>												
August 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
July 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
August 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>District of Columbia</b>												
August 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
July 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
August 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Maryland</b>												
August 1999 .....	94.5	93.3	79.5	75.3	—	75.9	83.2	81.7	71.5	67.4	—	68.0
July 1999 .....	88.6	87.5	75.2	71.2	—	71.9	76.9	75.5	66.3	63.2	—	63.8
August 1998 .....	76.6	75.6	62.4	52.8	—	54.5	65.3	64.9	52.5	44.8	—	46.3
<b>New Jersey</b>												
August 1999 .....	—	—	—	—	62.9	62.9	—	—	—	—	60.6	60.6
July 1999 .....	—	—	—	—	59.7	59.7	—	—	—	—	54.9	54.9
August 1998 .....	—	—	—	—	45.2	45.2	—	—	—	—	40.7	40.7
<b>New York</b>												
August 1999 .....	95.5	88.1	82.9	76.8	NA	78.8	82.7	81.6	73.2	68.9	61.5	70.0
July 1999 .....	88.4	82.5	NA	70.9	NA	72.8	75.3	74.4	66.7	62.9	NA	63.0
August 1998 .....	75.5	74.0	61.2	54.2	—	56.9	62.7	61.7	52.3	46.3	W	48.3
<b>Pennsylvania</b>												
August 1999 .....	92.2	91.9	83.2	75.2	W	74.6	79.4	79.4	73.8	67.4	NA	68.3
July 1999 .....	84.0	83.7	76.1	69.5	NA	69.4	71.7	71.9	66.8	61.7	NA	62.3
August 1998 .....	74.7	74.5	63.2	53.2	47.6	55.6	61.7	61.7	54.5	45.6	42.0	47.9

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
August 1999 .....	74.3	73.9	70.2	65.5	60.9	66.5	84.3	83.8	77.8	70.2	—	73.0
July 1999 .....	68.7	68.4	65.9	60.8	57.3	62.0	78.6	78.2	73.2	65.4	—	68.3
August 1998 .....	55.8	55.5	48.8	42.1	40.7	44.2	66.2	65.9	56.5	46.5	—	50.4
<b>Florida</b>												
August 1999 .....	76.1	75.8	71.9	65.5	W	67.2	86.8	86.2	80.6	69.8	—	74.9
July 1999 .....	70.7	70.4	66.6	60.8	W	62.4	81.4	80.9	75.5	65.0	—	70.0
August 1998 .....	56.8	56.3	50.5	41.9	41.1	44.4	67.9	67.4	58.1	46.2	—	51.2
<b>Georgia</b>												
August 1999 .....	73.4	73.5	67.0	65.9	W	66.1	82.8	82.6	73.9	71.0	—	72.2
July 1999 .....	68.0	68.1	63.5	61.5	NA	61.9	77.3	77.3	69.5	66.4	—	67.7
August 1998 .....	53.3	53.3	46.5	42.3	—	43.6	63.2	63.5	52.3	47.1	—	49.5
<b>North Carolina</b>												
August 1999 .....	72.6	71.8	71.0	65.3	W	66.4	82.8	81.8	78.7	70.3	—	72.5
July 1999 .....	66.5	66.0	67.6	60.6	NA	62.0	76.4	75.8	75.8	65.8	—	68.4
August 1998 .....	55.8	55.2	48.1	42.2	W	44.2	66.3	65.8	58.4	47.0	—	50.6
<b>South Carolina</b>												
August 1999 .....	72.8	72.5	67.4	65.3	59.5	65.1	83.6	83.3	73.1	70.2	—	70.9
July 1999 .....	66.4	66.4	62.6	60.7	—	61.1	76.8	76.5	68.4	65.5	—	66.3
August 1998 .....	53.8	54.4	45.6	42.3	W	43.1	64.2	64.0	50.4	47.1	—	48.1
<b>Virginia</b>												
August 1999 .....	74.0	73.9	72.1	64.8	60.7	66.0	83.0	82.8	75.6	69.0	—	71.1
July 1999 .....	69.1	68.9	66.5	59.9	NA	61.1	77.8	77.5	69.5	63.5	—	65.4
August 1998 .....	58.3	58.4	51.3	41.0	W	44.4	68.1	67.7	62.2	44.0	—	50.1
<b>West Virginia</b>												
August 1999 .....	75.3	75.2	72.6	68.3	—	70.6	84.2	84.0	77.1	73.0	—	75.6
July 1999 .....	70.8	70.7	68.4	63.0	—	65.8	79.5	79.3	73.3	68.3	—	71.4
August 1998 .....	58.6	58.6	54.9	46.8	—	51.5	67.8	67.6	60.7	52.3	—	57.5
<b>PAD District II</b>												
August 1999 .....	77.3	77.2	71.7	67.1	61.2	67.6	85.3	85.2	77.9	70.4	—	73.2
July 1999 .....	73.1	73.0	67.3	62.6	55.4	63.2	81.1	80.9	73.0	66.1	—	68.7
August 1998 .....	60.3	60.2	52.6	45.2	43.3	46.6	68.5	68.4	59.8	49.6	—	53.5
<b>Illinois</b>												
August 1999 .....	79.2	79.3	76.5	65.9	60.6	65.2	84.8	84.9	78.4	69.5	—	71.2
July 1999 .....	75.1	74.9	71.9	61.7	57.7	62.3	79.8	79.8	74.2	66.0	—	67.7
August 1998 .....	62.4	62.5	62.7	44.4	43.4	45.2	65.5	65.9	59.8	49.0	—	51.9
<b>Indiana</b>												
August 1999 .....	75.9	75.8	72.0	65.4	NA	66.5	83.6	83.7	77.7	68.9	—	71.9
July 1999 .....	71.6	71.6	68.1	61.5	54.4	62.6	79.7	79.8	73.6	65.0	—	68.0
August 1998 .....	59.8	59.8	52.4	43.3	43.8	45.5	68.6	68.3	58.3	47.3	—	51.8
<b>Iowa</b>												
August 1999 .....	76.3	76.6	72.5	68.4	—	68.7	80.9	81.0	77.1	71.0	—	72.3
July 1999 .....	70.6	71.0	67.7	63.2	—	63.5	75.7	75.9	72.4	66.2	—	67.5
August 1998 .....	61.1	61.5	51.3	47.1	—	47.5	66.3	66.5	55.6	52.9	—	53.6
<b>Kansas</b>												
August 1999 .....	75.6	75.7	71.4	67.7	W	67.6	83.4	83.4	79.0	71.7	—	74.7
July 1999 .....	69.9	70.1	65.0	62.5	58.1	62.2	77.4	77.3	74.1	66.8	—	69.6
August 1998 .....	60.7	60.4	51.2	46.2	41.7	46.1	66.6	66.5	NA	51.2	—	52.8
<b>Kentucky</b>												
August 1999 .....	78.9	78.0	71.2	67.0	—	67.7	87.6	86.9	78.0	71.2	—	73.0
July 1999 .....	73.7	72.6	66.6	62.3	—	63.1	82.7	81.7	74.1	66.7	—	68.7
August 1998 .....	59.0	58.4	49.9	43.8	W	45.2	68.1	67.5	55.4	48.5	—	50.9
<b>Michigan</b>												
August 1999 .....	78.2	77.9	70.8	67.0	W	68.3	86.4	86.5	77.5	70.3	—	75.0
July 1999 .....	74.4	74.1	67.0	63.2	W	64.5	83.3	83.5	73.9	66.4	—	71.5
August 1998 .....	59.6	59.5	51.6	45.8	—	48.1	71.1	71.0	62.2	49.3	—	58.2
<b>Minnesota</b>												
August 1999 .....	—	—	—	70.1	W	69.7	—	—	—	73.5	—	73.5
July 1999 .....	—	—	—	64.7	W	64.1	—	—	—	67.6	—	67.6
August 1998 .....	—	—	—	47.6	W	46.9	—	—	—	52.4	—	52.4
<b>Missouri</b>												
August 1999 .....	76.1	76.0	71.8	67.4	W	68.3	84.9	84.4	80.6	70.5	—	74.3
July 1999 .....	72.0	72.0	67.0	62.4	W	63.4	80.5	80.2	74.5	65.8	—	69.1
August 1998 .....	57.2	57.8	54.3	45.7	—	48.3	65.5	66.2	59.2	51.1	—	55.6

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
August 1999 .....	92.8	91.9	84.6	75.7	68.1	78.2	79.2	78.7	74.7	68.0	61.9	69.6
July 1999 .....	87.0	86.4	80.1	70.9	W	73.6	73.7	73.4	70.4	63.4	57.2	65.2
August 1998 .....	74.3	73.4	61.1	52.6	W	55.8	61.2	60.9	52.9	44.8	40.9	47.5
<b>Florida</b>												
August 1999 .....	94.3	93.8	87.2	75.6	W	80.7	81.4	80.9	77.7	68.0	62.5	71.3
July 1999 .....	88.6	88.2	82.1	71.0	NA	76.2	76.1	75.7	72.6	63.4	W	66.6
August 1998 .....	74.6	73.5	64.6	52.4	—	57.8	62.3	61.9	56.3	44.7	41.1	48.7
<b>Georgia</b>												
August 1999 .....	91.3	90.7	79.1	76.1	69.3	76.7	78.0	78.0	70.5	68.3	64.2	68.8
July 1999 .....	85.9	85.7	75.2	71.6	W	72.3	72.7	72.9	66.9	63.9	NA	64.6
August 1998 .....	71.7	71.7	58.4	53.0	—	55.0	58.4	58.8	50.2	44.9	—	46.7
<b>North Carolina</b>												
August 1999 .....	91.6	90.4	85.8	75.8	—	77.8	77.6	76.6	75.1	68.0	W	69.5
July 1999 .....	85.5	84.7	83.2	71.0	—	73.6	71.7	71.0	72.1	63.3	NA	65.2
August 1998 .....	75.2	74.0	58.6	53.1	—	55.0	61.7	60.9	51.5	45.1	W	47.3
<b>South Carolina</b>												
August 1999 .....	93.3	92.0	79.2	75.5	W	76.2	77.8	77.3	70.2	67.7	59.9	67.6
July 1999 .....	86.2	85.2	74.0	70.5	—	71.2	71.5	71.2	65.7	63.1	—	63.7
August 1998 .....	72.9	72.4	57.1	53.1	—	54.0	59.1	59.2	48.4	45.0	W	45.9
<b>Virginia</b>												
August 1999 .....	91.9	91.2	83.6	74.4	W	76.4	78.6	78.3	75.2	67.1	62.2	68.7
July 1999 .....	86.9	86.3	77.9	68.8	W	70.3	73.7	73.5	69.6	62.1	W	63.6
August 1998 .....	76.7	76.2	61.5	50.3	W	54.4	63.6	63.5	54.8	43.2	NA	47.1
<b>West Virginia</b>												
August 1999 .....	92.6	90.6	83.0	77.7	—	80.5	78.8	78.6	74.8	70.3	—	72.7
July 1999 .....	87.7	86.4	79.7	73.3	—	76.8	74.4	74.3	70.9	65.2	—	68.2
August 1998 .....	76.2	75.9	66.7	57.5	—	63.0	62.5	62.5	57.7	49.2	—	54.2
<b>PAD District II</b>												
August 1999 .....	92.6	91.9	84.0	75.9	NA	77.4	79.9	79.8	74.1	68.4	61.4	69.2
July 1999 .....	88.4	87.8	79.1	71.7	NA	73.0	75.9	75.7	69.7	64.0	55.4	64.9
August 1998 .....	75.6	75.1	64.5	54.7	50.5	57.2	63.1	63.0	55.2	46.8	43.6	48.5
<b>Illinois</b>												
August 1999 .....	93.1	93.0	90.6	75.3	W	76.8	81.6	81.6	78.7	67.2	60.7	66.7
July 1999 .....	89.3	89.2	85.6	71.5	NA	73.2	77.3	77.1	74.2	63.1	57.7	63.9
August 1998 .....	76.3	76.2	68.8	55.2	W	56.3	64.1	64.3	62.6	46.1	43.6	46.7
<b>Indiana</b>												
August 1999 .....	89.6	89.4	84.3	75.1	W	76.6	78.6	78.5	74.6	67.0	59.2	68.4
July 1999 .....	85.4	85.2	80.5	71.3	W	72.3	74.4	74.4	70.8	63.1	54.6	64.5
August 1998 .....	75.9	75.4	64.7	53.7	W	56.7	63.4	63.4	55.1	45.1	44.1	47.6
<b>Iowa</b>												
August 1999 .....	86.2	86.2	85.2	77.4	—	78.4	77.4	77.7	74.9	69.2	—	69.8
July 1999 .....	79.6	79.6	79.6	72.4	—	73.2	71.8	72.2	70.1	64.2	—	64.8
August 1998 .....	70.6	70.6	58.9	56.1	—	56.6	62.3	62.6	53.2	48.4	—	49.0
<b>Kansas</b>												
August 1999 .....	89.3	89.1	80.7	74.5	NA	75.3	77.3	77.3	73.1	68.5	W	68.5
July 1999 .....	84.0	83.9	73.3	69.3	62.9	69.8	71.7	71.8	66.6	63.3	58.3	63.2
August 1998 .....	73.0	72.7	60.7	53.8	W	53.8	62.1	61.8	52.7	47.0	42.7	47.1
<b>Kentucky</b>												
August 1999 .....	96.3	94.1	83.4	76.7	—	77.9	82.4	81.4	74.1	68.9	—	69.9
July 1999 .....	91.2	89.0	79.5	71.9	—	73.4	77.5	76.2	69.7	64.3	—	65.4
August 1998 .....	77.6	76.3	61.6	54.0	—	56.0	63.3	62.7	52.7	46.0	W	47.7
<b>Michigan</b>												
August 1999 .....	93.6	93.3	83.4	76.7	—	79.4	80.5	80.3	73.3	68.3	W	70.2
July 1999 .....	90.1	89.7	79.2	73.1	NA	75.6	76.9	76.6	69.6	64.5	W	66.4
August 1998 .....	75.5	74.9	64.1	56.5	—	59.8	62.4	62.2	54.7	47.5	—	50.6
<b>Minnesota</b>												
August 1999 .....	93.3	92.5	88.2	78.5	—	79.8	93.3	92.5	88.2	71.5	W	71.2
July 1999 .....	88.6	87.8	81.1	73.1	W	73.7	88.6	87.8	81.1	66.2	W	65.8
August 1998 .....	81.5	81.9	59.8	56.6	W	56.3	81.5	81.9	59.8	49.4	W	48.7
<b>Missouri</b>												
August 1999 .....	94.0	92.1	81.0	74.0	—	75.7	78.5	78.3	73.4	68.3	W	69.5
July 1999 .....	89.4	89.0	75.8	70.3	W	71.4	74.5	74.3	68.5	63.6	W	64.6
August 1998 .....	73.6	73.6	65.4	54.6	—	58.4	59.7	60.2	56.3	47.0	—	49.9

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
August 1999	76.9	77.1	70.3	68.1	—	68.4	84.6	84.5	74.1	70.9	—	72.2
July 1999	72.3	72.6	65.6	63.4	—	63.7	79.4	79.3	69.5	67.5	—	68.3
August 1998	62.5	62.5	51.2	46.8	—	47.5	68.8	68.1	58.1	53.9	—	54.8
<b>North Dakota</b>												
August 1999	84.9	82.3	75.5	70.5	—	71.5	91.9	91.1	78.2	75.5	—	77.1
July 1999	79.6	77.2	69.4	64.9	—	65.8	86.4	85.6	73.7	70.4	—	72.2
August 1998	72.6	71.9	55.4	49.1	—	50.2	79.1	78.4	NA	56.1	—	57.1
<b>Ohio</b>												
August 1999	79.6	79.4	73.1	67.6	NA	69.6	89.2	88.6	80.4	70.1	—	75.2
July 1999	76.4	76.1	69.9	63.3	W	65.6	85.8	85.1	76.9	66.2	—	71.4
August 1998	61.8	61.5	54.0	45.2	42.6	48.3	71.1	70.7	61.0	48.6	—	55.1
<b>Oklahoma</b>												
August 1999	73.0	73.0	69.1	66.2	60.7	64.8	79.1	79.3	75.9	68.7	—	74.0
July 1999	NA	NA	62.9	61.5	54.0	59.2	NA	NA	69.8	63.1	—	67.6
August 1998	58.8	58.6	48.2	45.7	43.7	45.1	64.7	64.5	54.5	47.4	—	52.0
<b>South Dakota</b>												
August 1999	82.0	82.3	76.1	70.2	—	71.9	85.2	85.6	79.8	NA	—	71.8
July 1999	77.6	78.1	70.4	64.4	—	66.0	78.6	79.1	72.9	NA	—	66.5
August 1998	70.0	70.5	54.9	49.5	—	50.9	74.6	74.9	58.8	NA	—	NA
<b>Tennessee</b>												
August 1999	72.5	72.2	68.8	65.8	W	65.9	83.6	83.5	NA	70.5	—	72.1
July 1999	68.1	67.8	61.8	61.1	—	61.2	77.9	77.6	66.4	65.8	—	66.0
August 1998	55.1	54.9	51.9	42.7	—	44.1	65.1	65.0	60.9	47.5	—	50.3
<b>Wisconsin</b>												
August 1999	80.8	80.4	72.5	67.1	—	67.9	87.5	87.4	76.6	71.3	—	72.3
July 1999	75.9	75.5	67.8	62.9	—	63.6	82.9	82.9	72.1	67.4	—	68.2
August 1998	62.5	62.3	51.9	44.8	W	45.5	70.1	70.1	NA	50.2	—	51.3
<b>PAD District III</b>												
August 1999	74.9	74.9	71.5	66.0	59.7	65.2	83.7	83.3	76.8	70.1	—	72.0
July 1999	70.2	70.2	66.7	61.1	53.7	59.6	78.1	77.9	72.0	65.0	—	67.2
August 1998	57.4	57.0	50.1	42.2	39.4	42.1	68.3	67.6	56.1	45.9	—	49.1
<b>Alabama</b>												
August 1999	74.0	73.8	74.0	66.2	—	68.2	82.6	82.6	81.5	71.1	—	74.7
July 1999	67.4	67.3	69.6	61.2	—	63.4	75.8	75.9	76.5	65.9	—	69.6
August 1998	60.2	59.8	51.1	42.5	—	45.2	69.2	68.2	57.0	47.0	—	51.6
<b>Arkansas</b>												
August 1999	72.1	72.2	68.7	65.6	W	65.7	82.2	81.9	74.8	69.3	—	70.6
July 1999	67.8	67.9	64.9	60.9	56.0	61.1	77.0	76.8	70.7	64.7	—	66.1
August 1998	57.0	57.0	50.9	43.3	W	44.5	66.4	65.6	54.0	46.8	—	48.5
<b>Louisiana</b>												
August 1999	75.5	75.2	71.6	64.4	58.6	64.2	86.0	85.3	75.1	69.7	—	71.6
July 1999	69.7	69.5	67.3	60.2	52.0	58.2	80.3	79.6	70.7	65.1	—	67.2
August 1998	58.1	57.2	53.0	40.7	38.8	42.0	69.5	68.6	59.6	44.8	—	50.3
<b>Mississippi</b>												
August 1999	73.8	73.8	68.3	64.8	58.2	63.1	83.6	83.4	74.6	69.6	—	70.2
July 1999	66.8	66.9	63.7	60.1	52.2	58.3	74.7	74.7	70.3	64.9	—	65.5
August 1998	60.9	60.2	54.0	41.2	38.6	42.9	71.0	70.5	60.0	45.7	—	50.5
<b>New Mexico</b>												
August 1999	85.9	85.6	76.5	76.4	—	76.4	94.9	94.4	81.7	80.9	—	81.2
July 1999	80.1	80.0	71.1	68.7	—	69.0	88.7	88.0	76.2	73.2	—	74.3
August 1998	66.1	65.6	54.3	49.0	—	49.9	75.5	75.1	60.3	54.1	—	55.1
<b>Texas</b>												
August 1999	73.8	73.9	NA	65.5	60.1	64.1	81.5	81.1	NA	69.2	—	70.6
July 1999	70.7	70.7	65.4	60.5	54.2	58.6	78.3	78.0	69.7	64.1	—	65.7
August 1998	54.6	54.5	46.2	41.6	39.5	40.8	65.4	64.9	50.2	45.0	—	46.2
<b>PAD District IV</b>												
August 1999	90.2	90.0	84.4	80.8	W	81.6	100.0	99.8	90.3	86.9	—	88.1
July 1999	82.1	82.0	75.1	72.2	W	72.9	90.9	90.8	79.8	77.4	—	78.3
August 1998	68.2	68.0	60.1	56.5	—	57.5	78.6	78.2	64.4	60.6	—	62.3
<b>Colorado</b>												
August 1999	87.1	86.7	79.9	76.3	W	77.3	99.5	99.3	87.4	81.2	—	84.2
July 1999	78.0	77.7	69.0	66.4	W	67.1	89.2	89.1	76.0	70.7	—	73.3
August 1998	65.9	65.4	54.9	49.9	—	51.2	79.2	78.6	59.8	54.2	—	56.5

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
August 1999 .....	91.0	90.9	84.1	76.5	—	77.9	79.1	79.1	72.1	68.8	—	69.3
July 1999 .....	87.0	86.8	78.9	71.5	—	73.0	74.5	74.5	67.4	64.1	—	64.6
August 1998 .....	76.0	75.8	61.8	55.4	—	56.6	64.4	64.1	53.2	48.2	—	49.0
<b>North Dakota</b>												
August 1999 .....	93.0	NA	85.3	79.8	—	81.4	85.9	83.4	76.7	71.1	—	72.5
July 1999 .....	89.8	86.3	79.6	74.4	—	75.9	80.9	78.5	71.0	65.7	—	66.9
August 1998 .....	78.1	77.7	65.2	58.7	—	60.3	73.4	72.8	56.7	50.0	—	51.2
<b>Ohio</b>												
August 1999 .....	96.6	95.4	86.9	77.3	W	81.1	82.9	82.5	76.0	69.0	NA	71.6
July 1999 .....	93.1	92.1	83.6	72.8	NA	77.3	79.7	79.2	72.7	64.8	W	67.8
August 1998 .....	79.0	78.3	67.1	55.4	—	60.8	65.3	64.9	57.1	47.0	42.6	50.8
<b>Oklahoma</b>												
August 1999 .....	85.9	85.7	76.4	72.7	NA	70.4	75.2	75.2	70.4	67.3	61.0	65.7
July 1999 .....	NA	NA	71.2	68.9	NA	65.8	NA	NA	64.4	62.7	54.0	60.1
August 1998 .....	71.2	70.8	55.7	53.0	50.1	53.2	61.5	61.2	49.4	46.9	43.9	46.0
<b>South Dakota</b>												
August 1999 .....	99.8	99.1	83.8	80.9	—	81.6	83.7	83.9	77.1	70.9	—	72.7
July 1999 .....	92.0	91.6	77.4	73.8	—	74.8	78.6	79.0	71.2	65.0	—	66.7
August 1998 .....	85.6	85.6	64.4	60.0	—	61.4	71.8	72.1	56.2	50.6	—	52.1
<b>Tennessee</b>												
August 1999 .....	91.5	91.0	NA	76.0	—	77.3	77.5	77.3	73.0	68.2	W	68.8
July 1999 .....	86.5	86.1	73.9	71.3	—	71.7	73.1	72.8	65.2	63.6	—	63.9
August 1998 .....	74.0	73.5	65.6	53.2	—	54.9	60.4	60.1	56.0	45.5	—	47.1
<b>Wisconsin</b>												
August 1999 .....	93.7	92.9	82.7	76.8	—	77.7	82.6	82.1	73.7	68.2	—	69.0
July 1999 .....	89.1	88.1	78.3	72.7	—	73.5	77.7	77.3	69.1	64.1	—	64.8
August 1998 .....	75.7	75.3	62.3	55.6	W	56.3	64.6	64.4	53.5	46.3	W	47.0
<b>PAD District III</b>												
August 1999 .....	92.3	91.8	83.7	75.8	61.5	73.9	78.5	78.4	74.3	67.9	60.0	67.0
July 1999 .....	87.0	86.9	79.1	70.7	57.0	68.1	73.8	73.7	69.5	63.0	54.3	61.6
August 1998 .....	73.9	73.0	62.6	52.1	46.2	53.0	61.7	61.0	53.3	44.2	39.9	44.2
<b>Alabama</b>												
August 1999 .....	91.6	90.9	88.6	76.8	—	80.0	78.2	77.9	78.2	68.9	—	71.4
July 1999 .....	83.8	83.5	84.2	71.7	—	75.1	71.5	71.4	73.9	63.9	—	66.6
August 1998 .....	76.1	75.2	64.7	53.7	—	57.1	64.9	64.4	54.9	45.5	—	48.6
<b>Arkansas</b>												
August 1999 .....	88.8	88.3	80.8	74.9	61.5	73.4	75.8	75.8	71.3	67.3	60.6	67.4
July 1999 .....	83.4	83.1	77.1	70.0	56.1	67.6	71.4	71.5	67.6	62.7	56.0	62.8
August 1998 .....	74.6	72.9	62.0	53.3	W	54.2	60.5	60.0	53.3	45.4	W	46.7
<b>Louisiana</b>												
August 1999 .....	93.8	92.5	82.4	74.7	61.4	72.2	80.2	79.7	74.7	66.8	59.4	66.7
July 1999 .....	88.3	87.1	79.1	70.2	55.7	65.1	74.6	74.2	70.5	62.7	53.1	60.5
August 1998 .....	77.8	75.5	67.1	50.6	W	52.8	63.9	62.8	57.4	43.2	40.7	45.1
<b>Mississippi</b>												
August 1999 .....	93.3	92.5	80.9	75.1	56.7	72.7	78.4	78.3	71.5	67.2	58.0	65.2
July 1999 .....	84.4	84.0	76.8	70.4	W	69.5	70.9	71.0	67.1	62.6	52.6	60.8
August 1998 .....	74.7	73.5	65.9	51.7	W	53.8	65.3	64.6	56.9	43.7	39.3	45.6
<b>New Mexico</b>												
August 1999 .....	100.4	99.4	85.9	85.5	—	85.6	88.4	88.0	78.1	77.9	—	77.9
July 1999 .....	94.4	93.9	80.5	77.7	—	78.0	82.9	82.6	72.9	70.2	—	70.6
August 1998 .....	83.1	82.4	65.7	58.7	—	60.1	69.3	68.7	56.6	50.7	—	51.7
<b>Texas</b>												
August 1999 .....	91.3	91.3	80.5	74.8	62.2	71.5	77.0	77.0	NA	67.0	60.3	65.4
July 1999 .....	88.2	88.4	75.1	69.8	57.9	66.0	74.0	74.0	67.1	62.0	54.7	60.0
August 1998 .....	70.8	70.3	56.1	50.8	45.4	49.9	58.3	58.0	48.2	43.2	39.8	41.9
<b>PAD District IV</b>												
August 1999 .....	108.0	106.7	95.2	90.6	W	91.7	94.3	93.9	86.9	82.8	W	83.8
July 1999 .....	99.8	98.8	85.8	82.1	W	83.0	86.2	85.9	77.6	74.3	W	75.1
August 1998 .....	85.9	84.1	69.2	66.8	—	67.6	72.5	72.0	62.6	58.7	—	59.9
<b>Colorado</b>												
August 1999 .....	108.4	106.2	90.9	85.5	W	87.3	92.5	91.8	83.2	78.2	W	79.7
July 1999 .....	98.6	97.3	80.2	75.7	W	77.2	83.4	82.9	72.4	68.4	W	69.6
August 1998 .....	86.2	83.9	64.0	59.4	—	60.9	71.3	70.4	57.6	51.9	—	53.5

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
August 1999 .....	95.5	96.0	92.3	90.3	—	90.8	105.9	105.2	97.4	93.9	—	94.7
July 1999 .....	86.8	87.6	82.2	78.5	—	79.6	96.4	96.5	86.8	83.2	—	84.0
August 1998 .....	71.7	72.1	64.6	60.5	—	61.9	80.5	80.4	69.3	65.3	—	67.0
<b>Montana</b>												
August 1999 .....	91.1	90.5	82.2	77.8	—	78.5	96.0	96.0	W	82.4	—	85.0
July 1999 .....	89.0	88.1	76.6	72.6	—	73.3	94.7	94.6	W	77.3	—	79.6
August 1998 .....	73.3	73.7	63.1	61.2	—	61.5	79.3	79.4	67.5	66.2	—	66.4
<b>Utah</b>												
August 1999 .....	92.3	92.0	86.3	85.4	—	85.7	101.2	101.1	94.2	91.1	—	91.9
July 1999 .....	84.0	83.7	76.9	76.5	—	76.6	92.2	92.0	83.9	82.1	—	82.6
August 1998 .....	67.0	66.3	59.6	57.3	—	58.2	75.8	75.4	NA	63.4	—	64.5
<b>Wyoming</b>												
August 1999 .....	92.9	92.2	88.4	77.7	—	78.9	102.3	101.5	95.9	NA	—	81.4
July 1999 .....	85.9	85.2	80.6	69.8	—	71.0	93.2	92.5	85.8	NA	—	73.4
August 1998 .....	75.7	74.5	63.9	56.9	—	58.3	82.5	81.3	67.7	63.6	—	65.1
<b>PAD District V</b>												
August 1999 .....	101.3	99.8	87.3	85.4	NA	84.4	111.3	110.2	93.6	92.6	—	93.2
July 1999 .....	98.1	97.8	84.0	84.1	80.2	83.8	108.0	107.6	89.8	91.9	—	90.6
August 1998 .....	72.9	71.5	62.1	53.9	47.2	56.4	81.1	80.2	68.3	59.9	—	65.0
<b>Alaska</b>												
August 1999 .....	111.1	110.4	86.3	81.0	W	82.7	NA	NA	90.4	W	—	89.7
July 1999 .....	105.8	105.3	82.1	76.9	W	79.2	NA	NA	86.0	W	—	85.8
August 1998 .....	94.5	95.0	84.0	67.5	W	73.0	103.8	102.3	83.7	80.6	—	82.2
<b>Arizona</b>												
August 1999 .....	97.5	95.1	80.7	79.9	NA	80.3	106.9	105.8	85.4	86.3	—	85.7
July 1999 .....	89.8	91.1	77.8	76.7	NA	77.3	98.5	99.0	80.7	83.8	—	81.9
August 1998 .....	67.9	67.2	55.6	48.6	45.6	51.5	76.0	75.8	64.3	54.4	—	60.3
<b>California</b>												
August 1999 .....	—	—	—	89.4	69.3	71.8	—	—	—	95.0	—	95.0
July 1999 .....	—	—	—	NA	NA	NA	—	—	—	NA	—	NA
August 1998 .....	—	—	—	50.8	46.8	47.1	—	—	—	54.6	—	54.6
<b>Hawaii</b>												
August 1999 .....	99.7	94.4	90.2	80.5	W	88.1	109.0	103.6	91.2	82.2	—	91.0
July 1999 .....	98.0	93.3	89.0	79.1	W	84.1	107.4	102.7	90.4	NA	—	90.1
August 1998 .....	105.6	91.5	94.0	79.5	—	91.9	111.9	102.6	98.2	84.3	—	97.8
<b>Nevada</b>												
August 1999 .....	102.5	102.1	86.4	88.4	NA	86.3	115.4	115.4	89.5	97.2	—	91.5
July 1999 .....	98.6	99.1	NA	NA	NA	84.6	110.2	110.0	NA	NA	—	87.4
August 1998 .....	70.9	66.8	55.9	52.1	48.0	53.2	78.8	75.5	61.5	57.5	—	60.1
<b>Oregon</b>												
August 1999 .....	102.7	101.2	90.6	84.7	NA	86.1	116.0	114.3	97.0	92.5	—	94.9
July 1999 .....	99.6	99.1	88.4	84.5	84.7	85.9	112.7	112.1	94.9	92.0	—	93.6
August 1998 .....	71.0	70.5	59.0	52.4	48.0	54.0	80.4	79.5	65.5	59.8	—	62.6
<b>Washington</b>												
August 1999 .....	99.9	99.6	88.1	86.7	NA	86.4	109.6	109.4	97.2	92.8	—	95.2
July 1999 .....	NA	NA	84.5	85.1	84.2	84.9	NA	NA	92.9	91.9	—	92.5
August 1998 .....	69.2	69.2	61.2	55.0	47.4	57.5	79.6	79.8	67.3	61.5	—	65.0

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
August 1999 .....	111.9	111.5	102.5	100.2	—	100.8	98.2	98.2	94.0	91.8	—	92.4
July 1999 .....	104.2	103.6	92.0	88.3	—	89.3	89.5	89.9	83.8	80.2	—	81.2
August 1998 .....	87.8	86.9	75.1	70.6	—	72.2	74.7	74.7	66.6	62.2	—	63.7
<b>Montana</b>												
August 1999 .....	104.3	104.2	93.8	89.6	—	90.3	93.4	92.8	84.6	79.9	—	80.7
July 1999 .....	102.1	101.9	88.2	84.5	—	85.2	91.2	90.4	78.9	74.8	—	75.6
August 1998 .....	86.3	86.3	74.4	72.9	—	73.1	76.0	76.1	65.4	63.6	—	63.9
<b>Utah</b>												
August 1999 .....	109.2	108.3	99.3	95.3	—	96.4	96.7	96.5	89.4	87.9	—	88.3
July 1999 .....	100.7	100.0	90.8	86.5	—	87.6	88.5	88.2	80.2	79.0	—	79.3
August 1998 .....	83.6	81.8	69.2	67.3	—	68.2	71.2	70.3	63.1	60.2	—	61.4
<b>Wyoming</b>												
August 1999 .....	107.7	106.0	98.7	87.2	—	88.9	96.4	95.6	91.3	79.3	—	80.9
July 1999 .....	100.3	98.9	90.3	79.3	—	80.9	89.0	88.2	83.3	71.5	—	73.1
August 1998 .....	87.9	86.3	75.0	67.0	—	68.7	78.7	77.3	66.5	59.1	—	60.6
<b>PAD District V</b>												
August 1999 .....	118.6	116.8	101.2	98.7	NA	98.8	104.5	102.9	89.9	87.4	NA	86.8
July 1999 .....	116.0	115.0	97.9	97.0	NA	96.8	101.5	101.0	86.7	86.1	80.7	86.0
August 1998 .....	91.8	90.5	76.9	66.8	54.0	68.0	76.4	75.0	65.1	56.1	49.1	59.0
<b>Alaska</b>												
August 1999 .....	NA	NA	104.0	90.8	—	95.0	113.0	112.3	87.8	81.9	W	83.8
July 1999 .....	121.5	121.2	101.5	86.2	—	92.2	107.8	107.2	84.0	77.7	W	80.2
August 1998 .....	109.7	109.6	92.4	79.1	—	84.9	96.8	97.2	84.8	68.7	W	74.3
<b>Arizona</b>												
August 1999 .....	115.8	114.7	93.8	92.0	NA	93.0	101.4	99.1	82.8	81.8	NA	82.3
July 1999 .....	109.0	109.4	89.3	87.9	NA	88.7	93.8	94.7	79.6	78.5	NA	79.1
August 1998 .....	87.1	86.4	69.2	60.9	W	65.0	71.6	70.8	58.5	50.8	46.0	53.9
<b>California</b>												
August 1999 .....	—	—	—	99.8	NA	NA	—	—	—	91.0	69.5	72.7
July 1999 .....	—	—	—	NA	NA	NA	—	—	—	NA	NA	NA
August 1998 .....	—	—	—	62.4	W	W	—	—	—	52.8	48.2	48.5
<b>Hawaii</b>												
August 1999 .....	111.5	106.3	99.8	91.2	W	97.8	103.5	98.1	92.9	83.2	W	91.1
July 1999 .....	110.8	105.7	98.5	89.8	W	97.6	102.1	97.1	91.7	81.8	W	88.1
August 1998 .....	122.5	109.1	105.3	91.4	—	103.8	110.3	96.6	97.7	82.5	—	95.8
<b>Nevada</b>												
August 1999 .....	121.9	121.3	98.5	100.8	NA	98.7	106.7	106.2	88.4	90.5	NA	88.3
July 1999 .....	117.0	117.0	NA	100.0	NA	96.1	102.6	102.9	NA	NA	NA	86.4
August 1998 .....	84.6	84.3	69.3	63.3	W	65.8	73.9	70.0	59.3	54.2	48.3	55.9
<b>Oregon</b>												
August 1999 .....	121.9	119.4	104.9	101.5	W	102.5	105.3	103.7	92.8	86.7	NA	88.2
July 1999 .....	119.1	118.0	102.3	100.5	W	101.0	102.3	101.8	90.6	86.5	84.8	87.9
August 1998 .....	90.0	88.3	73.2	67.6	NA	66.1	73.9	73.3	61.3	54.7	50.2	56.3
<b>Washington</b>												
August 1999 .....	119.2	118.7	103.7	99.1	W	100.4	103.4	103.1	91.4	88.6	NA	88.9
July 1999 .....	NA	NA	100.4	97.4	89.5	98.3	NA	NA	87.8	87.1	85.8	87.4
August 1998 .....	89.4	89.1	74.8	68.4	NA	68.8	73.6	73.5	64.0	57.3	50.7	60.1

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

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

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

**Table 33. Oxygenated Motor Gasoline Prices by Grade, Sales Type, and PAD District**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	87.3	87.1	88.7	73.9	-	81.0	91.6	91.2	90.0	74.0	-	78.1
July 1999 .....	81.4	81.3	82.0	68.1	-	74.8	86.2	85.8	83.8	68.6	-	72.3
August 1998 .....	69.0	69.1	60.7	53.8	W	56.9	75.0	74.9	65.3	54.7	-	58.5
<b>PAD District I</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAD District II</b>												
August 1999 .....	85.4	85.2	79.9	73.2	-	75.4	89.9	89.5	83.5	73.7	-	75.4
July 1999 .....	79.8	79.7	73.5	67.9	-	69.8	84.6	84.3	77.2	68.3	-	69.9
August 1998 .....	70.2	70.2	59.8	53.7	-	55.9	75.1	75.0	NA	54.6	-	56.8
<b>PAD District III</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	W	-	-	W	-	-	W	-	-	W
<b>PAD District IV</b>												
August 1999 .....	-	-	-	78.8	-	78.8	-	-	-	81.3	-	81.3
July 1999 .....	-	-	-	69.3	-	69.3	-	-	-	70.9	-	70.9
August 1998 .....	-	-	-	53.8	-	53.8	-	-	-	55.4	-	55.4
<b>PAD District V</b>												
August 1999 .....	W	W	W	W	-	W	W	W	W	W	-	W
July 1999 .....	W	W	90.2	W	-	90.2	W	W	NA	W	-	NA
August 1998 .....	W	W	W	W	W	61.9	W	W	W	W	-	W

See footnotes at end of table.

**Table 33. Oxygenated Motor Gasoline Prices by Grade, Sales Type, and PAD District**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	100.1	99.5	96.7	81.6	—	90.6	88.7	88.4	89.8	74.4	—	81.4
July 1999 .....	93.8	93.5	90.0	75.4	—	84.3	82.9	82.7	83.2	68.7	—	75.4
August 1998 .....	81.3	81.3	71.7	59.8	—	66.4	70.7	70.7	62.6	54.4	W	58.0
<b>PAD District I</b>												
August 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
July 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
August 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>PAD District II</b>												
August 1999 .....	98.0	97.4	88.5	80.6	—	83.9	86.9	86.6	81.0	73.7	—	76.0
July 1999 .....	91.5	91.1	81.9	75.3	—	78.2	81.2	81.1	74.7	68.4	—	70.4
August 1998 .....	80.7	80.8	68.3	59.3	—	63.9	71.6	71.6	61.3	54.2	—	56.8
<b>PAD District III</b>												
August 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
July 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
August 1998 .....	—	—	W	—	—	W	—	—	W	—	—	W
<b>PAD District IV</b>												
August 1999 .....	—	—	—	85.0	—	85.0	—	—	—	79.7	—	79.7
July 1999 .....	—	—	—	75.6	—	75.6	—	—	—	70.4	—	70.4
August 1998 .....	—	—	—	60.4	—	60.4	—	—	—	55.0	—	55.0
<b>PAD District V</b>												
August 1999 .....	114.8	114.8	NA	W	—	NA	W	W	W	W	—	W
July 1999 .....	110.1	110.1	NA	W	—	NA	W	W	91.1	W	—	91.1
August 1998 .....	W	W	79.1	NA	—	79.0	W	W	W	W	W	64.5

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

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

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

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	86.0	85.6	82.8	72.1	72.0	77.0	95.9	95.3	88.5	75.9	W	84.2
July 1999 .....	80.0	79.9	76.5	68.8	68.7	72.3	90.0	89.5	82.1	72.3	W	78.9
August 1998 .....	64.1	63.6	59.4	48.1	45.2	52.8	74.2	73.7	65.7	52.4	W	61.3
<b>PAD District I</b>												
August 1999 .....	80.5	79.1	75.8	66.8	64.6	70.5	89.0	87.8	82.2	71.3	NA	78.2
July 1999 .....	73.7	72.6	69.2	61.2	56.6	63.7	82.3	81.4	75.8	65.8	NA	72.2
August 1998 .....	60.5	60.1	57.0	46.1	42.4	49.9	71.0	70.2	63.6	50.8	-	58.7
<b>Subdistrict IA</b>												
August 1999 .....	81.5	81.0	75.9	66.1	65.7	69.9	90.5	89.8	82.5	69.2	-	76.6
July 1999 .....	74.1	73.6	69.3	60.2	NA	63.4	83.2	82.5	76.0	63.5	-	70.5
August 1998 .....	61.3	60.7	55.6	46.4	44.2	50.0	71.8	70.7	63.2	50.2	-	57.5
<b>Connecticut</b>												
August 1999 .....	80.8	80.3	77.5	66.9	65.1	70.7	90.4	88.7	82.6	68.1	-	75.5
July 1999 .....	73.3	72.9	70.7	60.5	58.0	63.4	83.0	81.3	76.1	62.1	-	69.3
August 1998 .....	59.7	59.3	57.1	45.9	W	51.2	70.4	69.0	62.8	50.2	-	57.6
<b>Maine</b>												
August 1999 .....	W	W	NA	NA	-	NA	W	90.2	NA	NA	-	NA
July 1999 .....	W	W	NA	NA	-	NA	W	83.7	NA	NA	-	NA
August 1998 .....	65.5	65.4	54.8	47.4	W	47.9	76.3	74.8	59.9	50.7	-	53.7
<b>Massachusetts</b>												
August 1999 .....	81.8	81.1	75.5	64.4	W	69.5	90.7	90.5	83.1	68.5	-	77.3
July 1999 .....	74.5	73.9	69.1	58.8	W	63.4	83.4	83.2	76.7	63.2	-	71.5
August 1998 .....	61.1	60.2	54.5	46.4	NA	50.2	72.0	71.0	64.1	50.4	-	58.6
<b>New Hampshire</b>												
August 1999 .....	83.6	83.5	77.1	62.4	-	71.1	92.9	92.9	82.4	67.8	-	78.1
July 1999 .....	75.6	75.6	69.8	58.2	W	61.0	85.0	84.9	75.4	62.9	-	71.7
August 1998 .....	63.0	62.8	56.6	47.0	W	49.1	73.3	73.2	62.7	48.3	-	58.4
<b>Rhode Island</b>												
August 1999 .....	77.9	77.7	73.3	70.5	W	68.7	86.3	86.4	78.8	73.7	-	76.2
July 1999 .....	71.0	70.9	67.1	64.1	NA	64.4	79.9	79.9	72.9	67.5	-	70.2
August 1998 .....	58.3	58.1	54.4	46.0	-	48.5	67.9	67.6	61.0	49.9	-	54.6
<b>Subdistrict IB</b>												
August 1999 .....	80.5	78.3	76.2	66.8	64.1	70.9	88.8	87.2	82.8	72.0	NA	79.2
July 1999 .....	73.7	72.2	69.4	61.3	55.8	63.7	82.2	81.0	76.3	66.5	NA	73.2
August 1998 .....	60.8	60.4	58.0	45.8	42.0	49.7	71.2	70.4	64.0	50.7	-	59.6
<b>Delaware</b>												
August 1999 .....	79.8	78.1	72.7	65.4	-	68.0	89.1	87.1	80.0	69.7	-	74.3
July 1999 .....	72.0	70.4	65.6	60.4	-	62.3	81.8	80.0	72.6	64.0	-	67.8
August 1998 .....	57.7	57.4	52.5	44.2	-	47.4	70.2	69.4	59.6	48.4	-	53.4
<b>District of Columbia</b>												
August 1999 .....	W	74.0	77.6	-	-	77.6	W	83.7	82.8	-	-	82.8
July 1999 .....	W	67.5	71.0	-	-	71.0	W	78.6	76.1	-	-	76.1
August 1998 .....	W	57.7	61.9	-	-	61.9	W	68.9	NA	-	-	NA
<b>Maryland</b>												
August 1999 .....	76.5	73.7	73.4	68.2	NA	71.4	86.1	82.8	79.9	72.3	-	77.7
July 1999 .....	71.5	69.2	67.5	63.6	NA	66.2	81.5	78.6	74.1	67.9	-	72.4
August 1998 .....	58.1	57.7	57.9	46.2	W	53.6	67.8	66.4	63.7	50.6	-	60.2
<b>New Jersey</b>												
August 1999 .....	81.8	78.2	75.9	65.3	63.9	68.7	92.0	90.5	82.8	71.6	-	78.8
July 1999 .....	75.0	72.9	69.4	59.7	55.5	61.2	85.0	84.1	76.5	65.9	-	72.8
August 1998 .....	62.3	62.3	58.0	46.0	42.0	47.4	73.5	73.4	63.6	51.7	-	58.8
<b>New York</b>												
August 1999 .....	83.8	83.5	81.8	69.9	65.6	76.2	90.6	89.4	88.4	75.2	NA	84.6
July 1999 .....	76.6	76.3	73.6	63.8	59.5	68.8	84.1	82.9	81.2	69.1	NA	77.7
August 1998 .....	63.9	63.4	61.3	45.6	41.4	53.5	73.8	72.5	67.7	49.1	-	63.2

See footnotes at end of table.

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
August 1999 .....	102.8	101.1	95.2	80.2	72.5	88.0	90.2	89.5	86.2	73.7	72.1	79.8
July 1999 .....	96.5	95.6	88.9	76.5	70.3	83.1	84.3	83.9	80.1	70.5	69.0	75.1
August 1998 .....	81.5	80.7	72.5	57.1	49.1	65.4	68.8	68.2	63.5	50.2	45.7	56.4
<b>PAD District I</b>												
August 1999 .....	96.2	93.0	89.7	76.4	70.3	83.2	84.7	83.0	80.4	69.3	65.7	74.3
July 1999 .....	89.8	87.6	83.2	70.9	62.1	77.4	78.1	76.9	74.0	63.7	57.2	67.7
August 1998 .....	78.7	77.6	70.3	55.4	48.2	63.4	66.0	65.4	61.7	48.6	43.1	53.9
<b>Subdistrict IA</b>												
August 1999 .....	98.3	96.8	87.5	75.4	NA	80.7	85.1	84.5	78.9	68.0	66.2	72.3
July 1999 .....	91.3	89.9	81.1	69.5	NA	74.8	77.9	77.3	72.5	62.2	NA	66.0
August 1998 .....	80.2	78.3	68.0	55.2	48.9	60.4	65.8	65.1	58.9	48.4	44.9	52.7
<b>Connecticut</b>												
August 1999 .....	98.3	97.0	88.9	75.8	W	81.4	84.8	84.1	80.6	68.7	65.8	73.2
July 1999 .....	91.2	90.0	82.3	69.5	W	74.9	77.6	76.9	74.0	62.4	58.1	66.1
August 1998 .....	79.5	78.6	68.9	55.6	W	60.8	64.7	64.2	59.9	48.2	45.1	53.7
<b>Maine</b>												
August 1999 .....	W	W	85.8	NA	—	NA	W	86.3	NA	NA	—	NA
July 1999 .....	W	W	NA	NA	—	NA	W	79.8	NA	NA	—	NA
August 1998 .....	84.7	82.5	66.0	55.8	W	56.2	69.3	68.9	57.0	49.1	W	49.5
<b>Massachusetts</b>												
August 1999 .....	98.3	96.6	86.9	73.5	W	79.9	85.3	84.6	78.5	66.3	W	71.9
July 1999 .....	91.3	89.8	80.8	68.1	W	74.4	78.2	77.6	72.2	60.8	W	66.0
August 1998 .....	80.0	77.2	67.6	54.6	50.5	60.9	65.8	64.7	58.4	48.5	NA	53.2
<b>New Hampshire</b>												
August 1999 .....	100.6	100.4	88.7	71.7	—	82.5	86.8	86.6	79.5	64.1	—	73.5
July 1999 .....	93.2	92.9	81.2	66.9	—	75.8	79.0	78.9	72.3	59.9	W	63.5
August 1998 .....	81.8	81.7	68.6	54.4	—	63.1	67.0	66.8	59.5	48.4	W	51.5
<b>Rhode Island</b>												
August 1999 .....	93.7	93.0	86.1	80.4	—	82.4	81.2	81.1	76.4	72.6	W	71.2
July 1999 .....	87.5	86.6	79.7	73.9	—	76.1	74.5	74.4	70.3	66.3	NA	67.0
August 1998 .....	76.6	76.2	67.5	55.8	—	59.6	62.5	62.4	58.1	48.3	—	51.4
<b>Subdistrict IB</b>												
August 1999 .....	95.7	91.8	90.9	76.4	70.2	84.1	85.0	82.5	81.4	69.6	65.5	75.2
July 1999 .....	89.3	86.7	84.2	71.1	61.6	78.3	78.6	76.7	74.8	64.1	56.6	68.4
August 1998 .....	78.7	77.8	71.2	55.1	47.9	64.6	66.9	66.3	63.2	48.6	42.6	54.5
<b>Delaware</b>												
August 1999 .....	97.7	94.1	85.7	74.3	—	78.4	83.8	81.8	75.8	67.3	—	70.4
July 1999 .....	90.6	86.6	78.5	69.6	—	73.0	76.4	74.4	68.8	62.3	—	64.7
August 1998 .....	78.1	77.2	66.9	53.9	—	59.0	63.0	62.5	56.1	46.4	—	50.2
<b>District of Columbia</b>												
August 1999 .....	W	87.7	89.6	—	—	89.6	W	78.4	83.3	—	—	83.3
July 1999 .....	W	83.4	82.9	—	—	82.9	W	72.2	76.9	—	—	76.9
August 1998 .....	W	73.6	NA	W	—	NA	W	63.7	NA	W	—	NA
<b>Maryland</b>												
August 1999 .....	91.0	84.8	85.8	77.3	NA	82.8	80.5	77.2	77.3	70.6	NA	74.9
July 1999 .....	86.4	81.3	80.0	73.4	57.8	76.8	75.8	73.0	71.6	66.2	57.6	69.7
August 1998 .....	72.8	71.8	67.8	55.9	—	64.5	62.5	62.0	61.6	48.8	W	57.3
<b>New Jersey</b>												
August 1999 .....	98.9	92.7	90.2	74.6	69.9	81.4	87.0	83.0	80.9	68.0	65.0	72.7
July 1999 .....	91.8	88.4	84.1	68.8	63.1	77.0	80.3	78.0	74.7	62.3	56.0	65.4
August 1998 .....	81.6	81.3	71.7	55.6	47.8	62.8	68.8	68.6	63.0	48.9	42.5	51.5
<b>New York</b>												
August 1999 .....	95.7	94.7	95.7	79.9	71.0	89.0	87.9	87.4	87.9	73.5	67.8	81.7
July 1999 .....	89.4	88.7	88.0	74.1	NA	81.5	81.2	80.7	80.3	67.5	60.5	74.5
August 1998 .....	78.6	77.7	74.3	53.4	48.2	67.4	70.1	69.4	67.9	48.2	44.0	59.9

See footnotes at end of table.

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Pennsylvania</b>												
August 1999 .....	76.9	76.0	73.3	66.8	W	70.8	84.9	84.3	78.5	69.6	—	75.2
July 1999 .....	70.1	69.2	66.1	60.8	W	64.0	78.0	77.8	71.7	64.0	—	68.9
August 1998 .....	57.4	57.0	53.8	46.3	W	50.7	68.4	68.0	58.7	50.5	—	55.6
<b>Subdistrict IC</b>												
August 1999 .....	78.2	77.7	73.1	68.6	—	70.6	86.7	86.1	78.7	73.0	—	76.3
July 1999 .....	72.5	72.0	67.4	63.3	—	65.1	81.2	80.7	73.1	67.6	—	70.8
August 1998 .....	58.0	57.7	56.6	46.2	—	50.3	68.7	68.2	62.3	52.3	—	57.6
<b>Virginia</b>												
August 1999 .....	78.2	77.7	73.1	68.6	—	70.6	86.7	86.1	78.7	73.0	—	76.3
July 1999 .....	72.5	72.0	67.4	63.3	—	65.1	81.2	80.7	73.1	67.6	—	70.8
August 1998 .....	58.0	57.7	56.6	46.2	—	50.3	68.7	68.2	62.3	52.3	—	57.6
<b>PAD District II</b>												
August 1999 .....	81.4	81.2	77.0	70.8	W	73.4	91.6	91.3	86.2	75.2	—	82.7
July 1999 .....	77.1	76.9	72.9	67.0	W	69.7	87.4	87.2	81.9	71.1	—	78.6
August 1998 .....	67.0	66.8	58.8	51.3	W	54.9	76.7	76.2	66.0	54.3	—	62.1
<b>Illinois</b>												
August 1999 .....	82.1	81.9	80.3	69.3	W	74.1	92.1	91.5	88.1	72.7	—	84.5
July 1999 .....	78.1	77.9	75.6	66.1	W	70.6	88.2	87.8	83.9	69.6	—	80.7
August 1998 .....	69.3	69.0	61.0	51.8	W	57.0	79.1	78.2	67.2	55.3	—	64.8
<b>Indiana</b>												
August 1999 .....	80.7	80.7	76.7	70.3	—	72.5	91.9	91.8	84.2	75.1	—	79.5
July 1999 .....	76.3	76.4	73.0	66.8	—	69.0	88.0	88.0	80.5	71.2	—	75.8
August 1998 .....	61.0	61.3	56.1	52.0	—	53.8	70.6	70.4	62.0	55.8	—	58.2
<b>Kentucky</b>												
August 1999 .....	84.2	83.7	76.8	77.0	—	77.0	93.6	93.6	80.9	79.6	—	79.9
July 1999 .....	78.9	78.3	70.7	70.6	—	70.6	88.6	88.6	75.4	73.3	—	73.8
August 1998 .....	62.2	62.0	56.2	47.6	—	51.3	72.6	72.9	62.3	50.7	—	55.6
<b>Missouri</b>												
August 1999 .....	75.5	75.5	73.1	68.5	—	70.9	85.1	85.1	82.3	74.2	—	81.2
July 1999 .....	70.9	71.0	69.2	64.7	—	67.2	80.2	80.2	77.4	70.2	—	76.5
August 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Wisconsin</b>												
August 1999 .....	80.8	81.0	73.8	70.9	—	72.3	89.5	89.6	82.6	75.2	—	79.8
July 1999 .....	76.8	76.9	70.6	67.7	—	69.1	85.5	85.3	78.9	71.9	—	76.5
August 1998 .....	65.3	65.6	55.8	52.7	—	53.8	73.5	73.8	63.0	56.6	—	59.9
<b>PAD District III</b>												
August 1999 .....	73.6	74.3	71.5	66.9	63.1	66.9	84.8	84.8	77.2	71.1	—	72.8
July 1999 .....	67.6	68.3	66.4	61.2	58.1	61.3	78.5	78.5	72.2	65.3	—	67.4
August 1998 .....	56.2	56.1	53.9	42.9	40.5	45.1	68.0	68.0	60.9	47.7	—	52.3
<b>Texas</b>												
August 1999 .....	73.6	74.3	71.5	66.9	63.3	67.0	84.8	84.8	77.2	71.1	—	72.8
July 1999 .....	67.6	68.3	66.4	61.2	58.2	61.4	78.5	78.5	72.2	65.3	—	67.4
August 1998 .....	56.2	56.1	53.9	42.9	40.5	45.1	68.0	68.0	60.9	47.7	—	52.3
<b>PAD District V</b>												
August 1999 .....	96.7	96.7	90.9	85.8	82.9	88.4	105.9	105.9	96.3	92.7	W	95.6
July 1999 .....	89.9	90.6	84.5	89.4	89.0	86.4	99.2	99.4	89.1	94.7	W	90.3
August 1998 .....	68.9	67.9	62.3	53.9	50.7	58.3	78.2	77.9	67.9	59.1	W	66.2
<b>Arizona</b>												
August 1999 .....	83.7	83.4	76.1	74.4	—	75.6	93.9	93.8	80.2	79.2	—	79.8
July 1999 .....	79.6	81.1	73.4	71.2	—	72.7	89.7	90.2	76.1	72.9	—	74.8
August 1998 .....	67.9	67.2	57.9	50.2	—	56.4	77.6	77.6	63.6	58.8	—	63.3
<b>California</b>												
August 1999 .....	99.0	99.1	91.8	86.4	82.9	89.0	107.1	107.2	96.8	93.8	W	96.3
July 1999 .....	91.7	92.2	85.1	90.3	89.0	87.1	100.1	100.3	89.6	96.8	W	90.9
August 1998 .....	69.0	68.0	62.6	54.1	50.7	58.4	78.3	77.9	68.1	59.1	W	66.3

See footnotes at end of table.

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Pennsylvania</b>												
August 1999	92.3	89.4	85.4	75.3	—	82.0	81.1	79.8	76.6	68.9	W	73.7
July 1999	85.9	83.6	78.7	70.0	—	75.9	74.6	73.4	69.7	63.1	W	67.2
August 1998	76.0	75.0	65.8	56.9	—	62.9	63.3	62.7	57.4	48.9	W	54.1
<b>Subdistrict IC</b>												
August 1999	94.8	92.2	85.6	78.7	—	82.5	82.6	81.9	77.3	71.2	—	74.2
July 1999	89.6	87.8	79.8	73.2	—	76.9	77.2	76.6	71.8	65.9	—	68.8
August 1998	76.1	75.6	68.1	57.5	—	63.0	63.5	63.1	60.9	49.4	—	54.6
<b>Virginia</b>												
August 1999	94.8	92.2	85.6	78.7	—	82.5	82.6	81.9	77.3	71.2	—	74.2
July 1999	89.6	87.8	79.8	73.2	—	76.9	77.2	76.6	71.8	65.9	—	68.8
August 1998	76.1	75.6	68.1	57.5	—	63.0	63.5	63.1	60.9	49.4	—	54.6
<b>PAD District II</b>												
August 1999	100.7	99.8	93.3	80.1	—	87.2	85.2	85.0	81.5	72.5	W	76.7
July 1999	96.4	95.6	89.2	76.4	W	83.4	81.1	80.9	77.4	68.7	W	73.0
August 1998	84.8	84.0	71.8	61.2	—	67.7	71.0	70.8	62.6	53.1	W	58.2
<b>Illinois</b>												
August 1999	101.4	100.6	96.6	78.1	—	89.2	86.2	85.9	85.5	71.0	W	78.4
July 1999	97.2	96.5	92.4	75.1	W	85.7	82.3	82.0	80.9	67.9	W	75.0
August 1998	86.7	85.6	73.7	62.0	—	70.3	73.5	73.1	65.0	53.9	W	60.9
<b>Indiana</b>												
August 1999	102.7	102.3	90.7	NA	—	84.8	85.4	85.4	80.6	72.2	—	75.4
July 1999	98.4	98.3	87.0	NA	—	81.2	81.5	81.5	76.9	68.7	—	71.9
August 1998	79.1	78.6	68.6	62.1	—	65.2	64.9	65.0	59.1	54.1	—	56.3
<b>Kentucky</b>												
August 1999	103.0	100.5	89.3	85.9	—	86.8	88.0	87.4	79.4	78.6	—	78.8
July 1999	97.5	95.2	83.3	79.8	—	80.7	82.9	82.3	73.5	72.4	—	72.6
August 1998	82.4	82.4	68.6	57.6	—	62.8	66.8	66.7	59.3	49.7	—	53.9
<b>Missouri</b>												
August 1999	93.2	93.1	88.3	77.9	—	84.5	78.4	78.4	76.6	69.7	—	73.7
July 1999	89.2	89.1	83.9	74.2	—	80.5	74.0	74.0	72.7	66.0	—	70.0
August 1998	—	—	—	—	—	—	—	—	—	—	—	—
<b>Wisconsin</b>												
August 1999	96.6	96.4	86.1	80.8	—	83.5	83.1	83.2	75.9	72.3	—	74.1
July 1999	92.8	92.5	83.0	77.7	—	80.4	79.2	79.2	72.9	69.1	—	71.0
August 1998	78.9	79.0	66.8	62.8	—	64.6	67.6	67.8	58.1	54.1	—	55.7
<b>PAD District III</b>												
August 1999	91.6	92.2	83.3	75.3	NA	73.0	78.3	78.7	74.9	68.5	61.6	68.5
July 1999	85.7	86.3	78.1	70.9	NA	68.6	72.4	72.8	69.9	63.4	57.1	63.3
August 1998	75.2	74.7	66.8	53.3	44.6	54.5	61.6	61.5	57.8	45.4	42.5	47.9
<b>Texas</b>												
August 1999	91.6	92.2	83.3	75.3	NA	73.8	78.3	78.7	74.9	68.5	NA	68.6
July 1999	85.7	86.3	78.1	70.9	NA	69.1	72.4	72.8	69.9	63.4	NA	63.4
August 1998	75.2	74.7	66.8	53.3	44.6	54.5	61.6	61.5	57.8	45.4	42.5	47.9
<b>PAD District V</b>												
August 1999	115.4	115.2	105.2	98.9	93.3	103.1	100.9	100.8	94.1	87.8	83.8	91.2
July 1999	108.0	108.5	98.8	102.0	99.2	99.4	94.1	94.6	87.6	91.5	90.0	88.9
August 1998	86.7	86.0	76.7	65.0	54.6	72.6	73.3	72.3	66.1	55.9	51.1	61.8
<b>Arizona</b>												
August 1999	106.3	105.5	90.2	87.6	—	89.5	87.7	87.3	78.6	76.6	—	78.0
July 1999	102.7	103.4	86.8	83.2	NA	85.9	83.8	85.0	75.7	72.9	NA	74.9
August 1998	87.8	87.7	71.5	63.7	—	70.6	72.0	71.5	60.9	52.1	—	59.4
<b>California</b>												
August 1999	116.7	116.5	105.9	99.6	93.3	103.7	102.9	102.9	94.9	88.4	83.8	91.9
July 1999	108.8	109.2	99.3	103.0	99.2	100.0	95.7	96.1	88.3	92.5	90.0	89.5
August 1998	86.5	85.7	76.9	65.1	54.6	72.7	73.4	72.4	66.4	56.1	51.1	61.9

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

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

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

**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale									
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
<b>United States</b>												
August 1999	82.3	70.2	71.3	91.6	73.3	78.5	99.3	72.3	82.2	86.1	70.8	73.7
July 1999	77.2	64.8	66.2	86.4	68.9	73.2	94.0	69.7	76.9	81.1	65.9	68.7
August 1998	62.8	48.0	47.6	72.8	51.3	55.5	80.7	56.1	60.1	67.2	49.5	50.6
<b>PAD District I</b>												
August 1999	76.0	65.6	68.4	85.9	70.1	75.2	94.3	67.9	80.9	80.9	66.5	71.7
July 1999	69.3	60.0	62.4	79.2	64.9	69.7	87.6	65.1	75.3	74.4	61.5	65.9
August 1998	57.4	43.5	46.2	68.1	46.4	53.1	76.4	52.3	59.4	63.2	45.3	49.9
<b>Subdistrict IA</b>												
August 1999	NA	73.1	72.4	NA	W	78.8	NA	82.1	83.4	NA	73.8	74.9
July 1999	NA	63.4	65.3	NA	W	72.3	NA	NA	76.8	NA	64.8	68.0
August 1998	64.7	46.4	49.4	75.6	W	57.3	84.6	-	60.9	70.9	46.4	52.4
<b>Connecticut</b>												
August 1999	W	W	72.7	W	-	78.8	W	W	83.4	W	W	75.4
July 1999	W	W	65.4	W	-	71.9	W	-	76.6	W	W	68.2
August 1998	W	W	49.3	W	W	57.4	W	-	60.2	W	W	52.5
<b>Maine</b>												
August 1999	-	-	70.1	-	-	73.9	-	-	79.9	-	-	71.7
July 1999	-	-	63.5	-	-	67.4	-	-	73.3	-	-	65.1
August 1998	-	-	45.2	-	-	50.7	-	-	54.4	-	-	46.7
<b>Massachusetts</b>												
August 1999	NA	W	73.2	NA	-	80.5	NA	-	84.2	NA	W	75.9
July 1999	NA	W	NA	NA	-	74.1	NA	-	77.7	NA	W	NA
August 1998	65.6	49.3	51.5	76.2	-	59.5	85.0	-	63.3	71.6	49.3	54.8
<b>New Hampshire</b>												
August 1999	NA	-	73.5	NA	-	78.9	NA	-	84.9	NA	-	75.7
July 1999	NA	-	66.8	NA	-	72.3	NA	-	78.1	NA	-	69.2
August 1998	64.4	-	53.6	75.3	-	59.9	83.8	-	65.8	69.9	-	56.4
<b>Rhode Island</b>												
August 1999	78.2	NA	71.0	87.4	-	76.1	W	-	82.4	82.6	NA	73.5
July 1999	71.8	NA	64.2	81.0	-	70.0	W	-	76.0	76.3	NA	66.9
August 1998	61.5	W	48.7	70.6	-	55.2	W	-	60.1	66.9	W	51.7
<b>Vermont</b>												
August 1999	-	84.3	NA	-	W	NA	-	W	NA	-	84.9	NA
July 1999	-	NA	NA	-	W	NA	-	84.8	NA	-	NA	NA
August 1998	-	-	49.3	-	-	55.4	-	-	60.0	-	-	51.7
<b>Subdistrict IB</b>												
August 1999	78.1	68.7	69.5	87.2	72.7	78.6	96.0	61.5	83.4	82.6	66.5	73.4
July 1999	70.6	61.9	62.3	79.7	66.1	72.2	88.8	NA	77.0	75.3	62.1	66.3
August 1998	59.9	45.6	47.9	70.7	48.8	57.1	80.1	54.9	62.7	65.8	47.2	52.2
<b>Delaware</b>												
August 1999	82.3	W	70.4	93.8	W	75.4	102.5	W	81.7	87.9	W	72.8
July 1999	74.4	W	63.7	86.5	W	68.5	95.0	W	74.8	80.5	W	66.2
August 1998	61.6	49.1	47.1	75.8	W	52.5	W	W	58.7	68.8	49.8	49.9
<b>District of Columbia</b>												
August 1999	-	W	77.6	-	W	82.8	-	W	89.6	-	68.2	83.4
July 1999	-	W	71.1	-	W	76.1	-	W	82.9	-	62.0	76.9
August 1998	-	43.9	62.1	-	W	NA	-	W	NA	-	46.3	NA
<b>Maryland</b>												
August 1999	-	67.3	71.2	-	70.2	77.4	-	74.5	83.4	-	68.3	74.8
July 1999	-	61.2	65.6	-	63.3	71.7	-	70.9	76.6	-	62.8	69.1
August 1998	W	44.4	52.0	W	W	58.8	W	W	63.4	W	46.2	55.9
<b>New Jersey</b>												
August 1999	83.7	W	68.4	93.6	W	80.7	101.6	W	83.4	89.3	W	72.6
July 1999	76.5	W	60.4	86.7	W	74.4	94.6	W	77.8	82.4	W	64.5
August 1998	64.1	44.9	47.4	75.7	W	59.3	84.4	W	63.0	71.3	46.7	51.7
<b>New York</b>												
August 1999	77.2	W	72.6	87.2	NA	82.7	94.5	W	87.9	81.4	63.6	77.5
July 1999	69.9	63.0	65.9	80.0	NA	76.0	87.7	W	80.5	74.3	61.2	70.8
August 1998	58.1	W	49.2	69.7	51.9	59.7	78.7	60.3	65.7	63.8	49.1	54.7
<b>Pennsylvania</b>												
August 1999	76.1	68.7	67.1	84.5	W	73.5	93.0	W	76.4	80.2	69.5	69.2
July 1999	68.4	63.2	60.5	76.8	W	67.1	85.2	W	70.9	72.6	64.0	62.9
August 1998	59.0	44.6	45.5	68.6	W	51.0	77.1	W	56.9	64.0	45.4	48.2

See footnotes at end of table.

**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale									
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
<b>Subdistrict IC</b>												
August 1999 .....	74.0	64.8	66.3	84.6	69.4	72.6	92.7	73.5	78.2	79.2	66.5	69.6
July 1999 .....	68.0	59.6	61.6	78.4	64.5	67.7	86.3	68.5	73.3	73.4	61.3	64.9
August 1998 .....	55.4	42.8	43.6	66.2	45.8	49.7	73.6	51.7	56.0	61.1	44.7	47.2
<b>Florida</b>												
August 1999 .....	74.6	65.1	67.0	86.1	NA	74.4	93.0	71.0	80.3	80.4	66.1	71.1
July 1999 .....	68.9	59.6	62.0	80.2	NA	69.2	87.0	67.8	75.7	74.8	61.1	66.2
August 1998 .....	56.2	42.6	44.2	67.7	44.8	51.2	74.1	50.7	57.9	62.5	44.1	48.7
<b>Georgia</b>												
August 1999 .....	73.4	64.2	66.1	83.0	66.5	72.3	93.0	72.6	77.4	78.6	66.0	69.0
July 1999 .....	66.7	58.3	61.7	76.6	NA	67.7	85.6	65.7	72.7	72.0	60.0	64.6
August 1998 .....	52.7	42.5	42.8	63.1	46.2	48.6	71.7	51.8	54.4	58.5	45.1	45.9
<b>North Carolina</b>												
August 1999 .....	71.6	64.6	65.1	82.6	W	69.9	91.0	72.0	75.4	76.6	66.0	67.7
July 1999 .....	66.1	59.6	60.7	76.4	W	65.4	85.3	66.5	70.8	71.1	61.0	63.3
August 1998 .....	54.0	42.3	42.1	63.6	W	47.0	70.5	51.1	53.2	58.9	43.7	45.1
<b>South Carolina</b>												
August 1999 .....	71.3	64.9	65.1	81.9	W	70.3	91.3	76.2	75.7	76.0	67.2	67.6
July 1999 .....	64.9	59.9	60.6	74.8	W	65.6	84.2	71.5	70.7	69.7	62.6	63.1
August 1998 .....	51.3	42.5	42.2	61.7	W	47.3	70.2	W	53.3	56.2	44.9	45.0
<b>Virginia</b>												
August 1999 .....	NA	66.1	67.7	NA	W	73.6	92.4	74.2	79.6	NA	67.9	71.0
July 1999 .....	NA	60.1	62.5	NA	W	68.2	85.7	W	73.6	NA	62.1	65.8
August 1998 .....	60.5	44.4	45.7	71.9	W	52.1	77.9	W	58.1	66.1	46.4	49.4
<b>West Virginia</b>												
August 1999 .....	74.2	69.0	67.7	83.6	W	73.0	93.0	W	77.6	77.5	70.0	69.9
July 1999 .....	69.9	64.4	62.4	79.5	W	68.5	88.6	W	73.3	73.5	65.3	64.8
August 1998 .....	57.8	48.4	46.5	67.4	W	52.7	76.3	W	57.8	61.6	49.8	49.2
<b>PAD District II</b>												
August 1999 .....	79.4	NA	68.2	88.6	W	75.0	96.0	NA	78.8	82.6	NA	70.1
July 1999 .....	75.8	65.3	63.8	85.0	73.1	70.6	92.3	74.0	74.6	79.2	67.1	65.8
August 1998 .....	62.9	51.9	46.8	72.3	W	53.9	80.1	60.7	57.9	66.4	53.3	48.9
<b>Illinois</b>												
August 1999 .....	82.9	67.9	68.9	92.5	W	80.9	100.9	W	85.4	87.1	69.2	72.5
July 1999 .....	78.0	63.2	66.3	87.6	W	77.2	95.8	W	82.0	82.2	64.5	70.1
August 1998 .....	68.5	NA	48.7	78.5	W	60.4	85.9	W	64.9	72.8	NA	52.3
<b>Indiana</b>												
August 1999 .....	79.2	72.1	67.1	87.3	—	72.6	95.4	NA	77.8	82.1	72.2	69.1
July 1999 .....	75.2	67.2	63.3	83.6	—	68.8	91.4	NA	73.5	78.3	67.3	65.3
August 1998 .....	60.0	49.0	45.6	69.2	47.5	51.4	76.9	W	57.4	63.4	49.1	48.0
<b>Iowa</b>												
August 1999 .....	75.6	W	68.4	W	—	72.0	83.8	W	78.1	76.6	W	69.5
July 1999 .....	69.1	W	63.3	W	—	67.4	77.7	W	73.0	70.2	W	64.4
August 1998 .....	59.7	W	47.0	W	—	52.6	69.4	NA	56.4	60.8	W	48.1
<b>Kansas</b>												
August 1999 .....	75.6	72.5	67.0	82.0	W	74.8	88.7	W	75.1	77.6	72.5	67.9
July 1999 .....	69.9	66.9	61.8	77.5	W	69.8	82.9	W	69.9	72.0	66.8	62.8
August 1998 .....	60.0	51.1	45.1	69.1	—	52.9	75.7	W	52.4	62.5	51.3	46.1
<b>Kentucky</b>												
August 1999 .....	84.3	NA	69.6	W	W	74.2	W	NA	79.3	87.9	NA	71.6
July 1999 .....	80.2	NA	64.4	90.6	W	69.1	99.9	NA	74.2	84.0	NA	66.5
August 1998 .....	63.8	48.5	45.0	74.3	W	50.1	83.4	53.3	55.5	68.1	49.4	47.4
<b>Michigan</b>												
August 1999 .....	76.5	NA	67.9	83.2	W	73.8	92.5	W	79.3	78.6	NA	69.8
July 1999 .....	72.8	65.0	64.0	81.1	W	69.8	88.7	W	75.5	75.2	65.8	66.0
August 1998 .....	59.9	54.4	47.6	68.8	54.0	54.5	76.7	NA	59.7	62.6	NA	49.9
<b>Minnesota</b>												
August 1999 .....	88.0	W	72.6	94.3	W	75.1	101.7	—	81.1	89.9	W	73.6
July 1999 .....	81.2	W	67.0	87.6	W	69.6	92.2	—	75.3	83.0	W	68.2
August 1998 .....	72.2	57.0	51.8	78.5	—	56.1	84.6	W	59.6	74.2	57.0	53.2
<b>Missouri</b>												
August 1999 .....	75.3	71.3	68.3	NA	W	78.4	94.0	W	77.2	78.4	72.0	69.9
July 1999 .....	NA	66.2	63.5	81.9	W	73.5	NA	W	73.3	NA	66.9	65.3
August 1998 .....	59.2	NA	45.8	68.2	NA	53.2	78.4	NA	55.5	62.7	NA	47.4

See footnotes at end of table.

**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale									
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
<b>Nebraska</b>												
August 1999	74.7	71.8	68.5	W	—	72.9	W	—	77.8	75.9	71.8	69.4
July 1999	70.8	66.3	63.4	W	—	68.3	W	—	72.7	72.1	66.3	64.3
August 1998	57.1	46.7	46.8	W	—	53.1	W	—	55.4	58.6	46.7	47.8
<b>North Dakota</b>												
August 1999	W	W	70.7	W	—	76.4	W	—	80.7	W	W	71.5
July 1999	W	W	65.1	W	—	71.0	W	—	75.1	W	W	66.0
August 1998	W	W	49.0	W	—	NA	W	—	59.6	W	W	50.0
<b>Ohio</b>												
August 1999	80.7	W	69.5	90.3	NA	75.1	NA	NA	81.0	84.1	W	71.5
July 1999	77.6	W	65.4	86.9	W	71.3	95.6	NA	77.3	81.0	W	67.6
August 1998	63.8	W	47.6	73.2	W	54.5	82.4	63.0	60.3	67.5	W	50.1
<b>Oklahoma</b>												
August 1999	72.6	67.5	64.9	79.2	W	69.3	84.7	W	69.6	75.1	74.0	65.7
July 1999	NA	61.5	58.9	NA	W	63.6	NA	75.7	64.8	NA	68.8	59.7
August 1998	57.7	48.4	44.6	65.0	W	47.8	72.9	W	52.6	60.7	49.1	45.6
<b>South Dakota</b>												
August 1999	80.1	W	70.6	W	—	73.5	88.7	W	81.5	80.1	73.3	71.7
July 1999	73.7	W	64.7	W	—	68.5	83.9	W	74.4	74.5	W	65.6
August 1998	62.2	48.4	49.6	W	—	56.0	75.8	—	60.4	66.0	48.4	50.8
<b>Tennessee</b>												
August 1999	73.2	64.1	65.5	86.1	W	71.1	NA	72.3	76.7	78.6	66.3	68.3
July 1999	69.6	60.5	61.2	81.2	W	66.4	88.1	66.7	71.9	75.2	62.1	64.0
August 1998	56.1	44.7	42.5	66.7	W	47.9	75.2	50.4	53.5	61.8	45.5	45.5
<b>Wisconsin</b>												
August 1999	80.3	69.1	68.2	88.4	—	75.2	95.8	W	79.0	82.4	70.7	69.7
July 1999	75.6	66.5	64.2	83.8	—	71.7	91.1	W	75.0	77.9	67.3	65.7
August 1998	64.1	45.5	46.9	72.6	—	54.3	78.6	W	57.9	66.4	46.2	48.6
<b>PAD District III</b>												
August 1999	73.3	64.6	64.7	84.1	NA	70.8	90.8	70.5	72.5	77.8	65.5	66.4
July 1999	70.0	55.4	59.2	80.2	NA	65.7	87.2	NA	66.8	74.5	56.8	61.0
August 1998	58.0	43.1	41.6	69.6	44.3	48.0	76.9	47.0	52.0	63.2	43.8	43.6
<b>Alabama</b>												
August 1999	71.7	NA	66.2	NA	NA	71.0	NA	NA	76.9	76.3	NA	68.9
July 1999	66.3	NA	61.2	NA	NA	65.8	NA	NA	71.9	71.1	NA	63.9
August 1998	58.6	42.1	42.8	69.1	45.5	47.8	77.6	52.0	54.2	63.8	44.4	45.9
<b>Arkansas</b>												
August 1999	NA	W	65.2	NA	—	69.4	NA	W	72.2	NA	W	66.7
July 1999	NA	W	60.7	NA	—	64.8	NA	W	66.2	NA	W	62.1
August 1998	57.7	W	43.0	67.8	—	46.9	76.9	—	52.5	61.8	W	45.2
<b>Louisiana</b>												
August 1999	74.7	62.6	62.9	85.4	W	70.5	92.5	71.5	69.9	79.6	64.2	65.1
July 1999	68.7	56.9	57.2	79.4	W	65.9	86.8	66.0	63.4	73.8	58.6	59.3
August 1998	57.4	41.2	40.8	70.0	W	47.8	78.0	48.6	51.8	63.5	42.5	43.8
<b>Mississippi</b>												
August 1999	70.1	62.9	62.9	82.0	65.9	69.8	84.7	69.2	72.2	73.6	64.2	65.0
July 1999	64.6	58.3	58.0	75.6	61.9	65.0	80.5	65.7	69.1	68.4	59.9	60.5
August 1998	57.2	41.8	40.6	67.4	45.8	45.9	76.4	50.1	51.2	61.7	43.7	42.9
<b>New Mexico</b>												
August 1999	84.4	W	76.2	93.3	—	80.4	101.8	W	85.5	87.2	W	77.7
July 1999	77.7	W	68.5	86.9	—	73.1	95.6	W	77.5	80.7	W	70.0
August 1998	67.9	W	49.2	77.4	—	54.6	86.6	W	58.8	71.2	W	50.9
<b>Texas</b>												
August 1999	72.5	67.1	64.3	83.6	W	70.7	90.2	73.6	71.7	77.1	67.6	65.8
July 1999	70.0	NA	58.8	80.3	W	65.4	87.3	69.1	66.1	74.7	NA	60.3
August 1998	57.1	W	41.2	69.2	W	48.3	76.3	W	51.2	62.6	W	42.9
<b>PAD District IV</b>												
August 1999	86.6	83.0	81.0	98.9	85.4	87.7	108.1	93.4	91.1	92.1	86.0	83.1
July 1999	77.4	73.4	72.1	87.8	75.5	77.3	97.2	84.7	82.4	82.5	76.2	74.3
August 1998	65.3	NA	56.5	76.7	NA	60.5	86.6	NA	66.7	70.8	NA	58.7
<b>Colorado</b>												
August 1999	84.8	W	76.8	97.9	W	83.7	107.2	W	86.8	90.6	W	79.0
July 1999	76.2	W	67.0	86.9	W	72.6	96.6	W	76.7	81.5	W	69.2
August 1998	64.0	50.9	51.0	76.9	W	55.8	86.8	W	60.4	70.2	53.0	53.1

See footnotes at end of table.

**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale									
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
<b>Idaho</b>												
August 1999 .....	94.6	92.0	90.3	103.3	—	94.0	113.6	W	100.1	96.6	93.7	91.8
July 1999 .....	82.3	81.4	78.3	91.2	—	82.8	99.6	W	88.1	84.3	82.8	80.0
August 1998 .....	69.3	W	60.8	77.7	NA	66.1	86.4	W	71.2	71.5	W	62.7
<b>Montana</b>												
August 1999 .....	W	80.1	77.9	W	—	W	W	W	89.7	W	81.0	80.0
July 1999 .....	W	W	72.8	W	—	77.2	W	86.3	84.7	W	75.9	75.0
August 1998 .....	W	61.9	61.2	W	—	W	W	W	72.9	W	63.6	63.6
<b>Utah</b>												
August 1999 .....	91.3	W	84.8	101.7	89.0	90.5	111.1	W	95.0	96.5	86.1	87.2
July 1999 .....	81.5	W	75.8	90.9	77.7	81.3	100.5	W	86.7	86.6	76.7	78.4
August 1998 .....	67.3	NA	56.9	75.7	NA	63.0	85.8	W	67.2	71.6	NA	59.7
<b>Wyoming</b>												
August 1999 .....	89.3	79.7	79.2	NA	—	91.3	W	W	W	91.6	88.5	81.1
July 1999 .....	81.3	W	70.6	NA	—	80.4	W	W	80.7	83.9	78.8	72.7
August 1998 .....	72.9	62.2	57.0	81.1	—	62.5	W	W	W	76.3	68.2	59.1
<b>PAD District V</b>												
August 1999 .....	96.8	86.5	87.4	106.9	85.5	94.7	117.1	85.9	101.7	100.7	86.3	90.2
July 1999 .....	91.0	84.9	85.1	102.1	86.5	89.1	111.8	89.3	97.5	95.2	85.4	87.4
August 1998 .....	71.1	52.8	58.0	80.8	59.1	66.5	91.2	65.9	72.2	75.4	55.1	61.5
<b>Alaska</b>												
August 1999 .....	110.0	99.8	81.7	NA	—	W	128.4	W	92.6	112.5	100.5	82.8
July 1999 .....	104.8	96.8	78.0	NA	—	W	120.9	W	88.1	107.3	97.7	78.9
August 1998 .....	96.5	93.3	68.4	107.6	—	82.6	112.3	W	82.4	99.0	94.0	70.0
<b>Arizona</b>												
August 1999 .....	86.5	88.1	76.6	96.9	—	81.3	108.2	W	89.9	90.4	88.8	78.8
July 1999 .....	82.2	84.3	73.0	92.6	—	76.5	104.4	W	85.5	86.4	85.6	75.1
August 1998 .....	67.3	53.9	52.8	77.2	W	60.6	87.4	W	67.2	71.4	55.3	55.6
<b>California</b>												
August 1999 .....	98.9	NA	88.4	108.5	W	95.7	119.6	W	103.3	102.8	NA	91.4
July 1999 .....	90.9	NA	86.5	102.2	W	89.6	111.7	W	98.7	95.2	NA	88.8
August 1998 .....	71.3	W	59.0	81.2	W	67.0	90.5	W	72.4	75.8	W	62.6
<b>Hawaii</b>												
August 1999 .....	NA	W	87.7	NA	W	W	112.6	W	W	106.9	W	90.8
July 1999 .....	101.1	W	83.0	112.1	W	W	111.7	W	W	104.9	W	87.3
August 1998 .....	108.7	W	91.3	113.4	W	97.8	123.4	W	103.4	113.2	W	95.5
<b>Nevada</b>												
August 1999 .....	96.1	94.9	85.0	106.2	—	89.5	115.6	NA	97.6	99.8	94.9	87.1
July 1999 .....	89.6	NA	80.9	101.4	NA	83.6	111.7	NA	92.6	94.1	NA	82.7
August 1998 .....	67.0	56.1	53.5	78.1	W	59.9	88.3	—	67.5	72.0	60.3	56.7
<b>Oregon</b>												
August 1999 .....	106.7	86.4	87.0	118.4	W	96.1	127.7	W	101.4	109.8	87.1	89.2
July 1999 .....	102.6	W	86.0	113.9	—	93.6	123.7	W	98.4	105.8	W	87.9
August 1998 .....	72.7	55.2	53.9	83.5	W	62.7	93.9	W	68.8	76.4	55.9	56.2
<b>Washington</b>												
August 1999 .....	97.8	W	89.5	109.1	—	96.7	118.8	W	101.4	101.5	W	91.6
July 1999 .....	NA	W	86.1	NA	—	92.9	NA	—	98.2	NA	W	88.3
August 1998 .....	66.3	52.8	56.5	77.8	—	65.3	88.8	—	70.4	70.7	52.8	59.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Sales to "other end users" are all end-user sales that were not made through company-operated retail outlets, e.g., sales to agricultural customers or utilities.

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

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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

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

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>United States</b>						
August 1999 .....	114.7	107.3	59.5	58.9	62.4	59.3
July 1999 .....	110.0	103.0	54.6	53.6	58.2	53.5
August 1998 .....	95.9	91.7	43.6	42.9	41.5	40.7
<b>PAD District I</b>						
August 1999 .....	114.0	106.1	58.1	58.0	61.8	61.6
July 1999 .....	109.4	101.1	52.7	53.2	57.3	56.2
August 1998 .....	97.5	88.8	41.6	43.2	43.9	42.1
<b>Subdistrict IA</b>						
August 1999 .....	W	108.8	59.7	NA	NA	64.5
July 1999 .....	W	103.2	54.1	NA	NA	58.4
August 1998 .....	W	NA	44.2	46.7	NA	46.2
<b>Connecticut</b>						
August 1999 .....	W	107.6	61.3	NA	-	W
July 1999 .....	-	102.6	54.5	NA	-	W
August 1998 .....	W	NA	NA	NA	-	W
<b>Maine</b>						
August 1999 .....	W	W	W	W	-	64.5
July 1999 .....	W	W	W	W	-	W
August 1998 .....	W	-	W	W	-	W
<b>Massachusetts</b>						
August 1999 .....	W	W	NA	NA	-	W
July 1999 .....	W	W	NA	NA	-	W
August 1998 .....	W	W	43.4	46.1	-	W
<b>New Hampshire</b>						
August 1999 .....	W	W	W	68.0	NA	W
July 1999 .....	W	W	W	W	NA	W
August 1998 .....	W	W	45.8	W	NA	W
<b>Rhode Island</b>						
August 1999 .....	-	W	W	NA	-	-
July 1999 .....	-	W	W	NA	-	-
August 1998 .....	W	NA	W	W	-	W
<b>Vermont</b>						
August 1999 .....	-	W	W	W	NA	W
July 1999 .....	-	W	W	W	NA	W
August 1998 .....	-	W	W	W	NA	-
<b>Subdistrict IB</b>						
August 1999 .....	116.1	107.1	57.4	57.2	61.2	61.7
July 1999 .....	W	102.3	52.1	52.4	56.8	56.1
August 1998 .....	98.2	86.4	41.4	42.9	43.4	41.7
<b>Delaware</b>						
August 1999 .....	W	106.5	65.5	64.9	W	-
July 1999 .....	W	102.9	W	60.4	-	-
August 1998 .....	W	84.8	W	NA	-	W
<b>District of Columbia</b>						
August 1999 .....	-	-	-	W	W	-
July 1999 .....	-	-	-	-	W	-
August 1998 .....	-	-	-	NA	-	-
<b>Maryland</b>						
August 1999 .....	W	106.8	57.6	56.4	W	61.7
July 1999 .....	W	W	52.4	51.5	W	55.6
August 1998 .....	W	W	41.8	W	W	NA
<b>New Jersey</b>						
August 1999 .....	W	106.6	57.5	56.7	W	NA
July 1999 .....	W	100.8	52.0	51.8	W	NA
August 1998 .....	W	NA	41.3	42.6	W	40.8
<b>New York</b>						
August 1999 .....	W	107.8	60.1	57.8	60.3	63.9
July 1999 .....	W	102.8	54.9	53.7	56.0	58.2
August 1998 .....	W	85.7	NA	44.1	W	45.0
<b>Pennsylvania</b>						
August 1999 .....	111.2	107.0	55.2	58.5	68.5	63.1
July 1999 .....	109.9	103.1	50.3	53.1	62.7	57.7
August 1998 .....	94.1	90.4	40.4	42.3	66.9	44.1

See footnotes at end of table.

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

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Subdistrict IC</b>						
August 1999 .....	110.5	105.2	58.4	58.8	62.6	61.0
July 1999 .....	105.8	100.2	53.2	53.8	57.3	55.1
August 1998 .....	95.5	90.0	41.3	43.1	W	43.2
<b>Florida</b>						
August 1999 .....	107.9	101.0	58.6	NA	W	61.3
July 1999 .....	102.8	96.7	53.5	NA	W	NA
August 1998 .....	92.3	89.1	41.6	44.0	W	43.7
<b>Georgia</b>						
August 1999 .....	110.8	106.5	57.6	58.4	W	63.1
July 1999 .....	106.2	101.2	52.5	53.2	W	56.5
August 1998 .....	W	87.8	39.8	41.4	W	42.0
<b>North Carolina</b>						
August 1999 .....	W	NA	57.6	NA	61.2	60.5
July 1999 .....	W	NA	52.3	NA	W	55.3
August 1998 .....	W	93.3	41.6	44.0	W	41.1
<b>South Carolina</b>						
August 1999 .....	W	114.2	63.5	62.1	W	60.9
July 1999 .....	W	106.6	57.7	57.1	W	55.5
August 1998 .....	W	92.7	45.9	46.9	58.2	43.0
<b>Virginia</b>						
August 1999 .....	W	NA	58.3	NA	W	60.8
July 1999 .....	W	102.2	52.8	NA	W	53.2
August 1998 .....	W	91.9	41.6	43.4	W	43.9
<b>West Virginia</b>						
August 1999 .....	W	108.0	W	W	W	W
July 1999 .....	W	104.8	W	W	W	W
August 1998 .....	W	W	W	W	W	W
<b>PAD District II</b>						
August 1999 .....	NA	97.8	59.4	59.7	70.5	68.3
July 1999 .....	NA	92.8	53.9	53.2	69.3	61.9
August 1998 .....	91.5	87.2	42.5	43.4	47.0	46.9
<b>Illinois</b>						
August 1999 .....	W	W	NA	57.0	W	68.5
July 1999 .....	W	W	NA	52.9	W	61.9
August 1998 .....	W	W	41.0	44.9	W	45.6
<b>Indiana</b>						
August 1999 .....	W	106.0	NA	59.2	W	66.7
July 1999 .....	W	100.1	NA	NA	W	60.9
August 1998 .....	W	88.0	42.5	NA	W	44.6
<b>Iowa</b>						
August 1999 .....	W	102.6	64.6	65.1	—	W
July 1999 .....	W	97.5	57.3	59.3	—	W
August 1998 .....	W	88.3	NA	46.2	—	—
<b>Kansas</b>						
August 1999 .....	NA	92.0	64.6	64.4	—	W
July 1999 .....	NA	86.5	59.7	57.8	W	W
August 1998 .....	W	W	47.6	48.7	—	56.3
<b>Kentucky</b>						
August 1999 .....	W	W	W	60.9	W	70.5
July 1999 .....	W	94.3	W	55.8	W	62.5
August 1998 .....	W	W	42.2	44.8	81.8	50.3
<b>Michigan</b>						
August 1999 .....	W	NA	NA	NA	W	NA
July 1999 .....	NA	NA	NA	NA	W	NA
August 1998 .....	92.4	W	44.1	44.4	NA	W
<b>Minnesota</b>						
August 1999 .....	W	W	61.0	64.0	W	69.6
July 1999 .....	W	92.8	53.8	59.7	W	60.9
August 1998 .....	W	W	43.5	45.7	W	48.0
<b>Missouri</b>						
August 1999 .....	W	102.7	61.9	64.1	—	67.5
July 1999 .....	W	97.2	54.9	57.0	W	W
August 1998 .....	W	W	42.7	47.9	—	49.2

See footnotes at end of table.

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

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Nebraska</b>						
August 1999 .....	W	W	62.6	67.9	—	W
July 1999 .....	W	W	55.3	60.7	—	W
August 1998 .....	W	W	43.2	48.1	—	—
<b>North Dakota</b>						
August 1999 .....	W	116.2	71.3	74.1	—	—
July 1999 .....	W	W	66.3	W	—	—
August 1998 .....	W	W	NA	NA	—	—
<b>Ohio</b>						
August 1999 .....	NA	NA	NA	58.9	NA	71.5
July 1999 .....	NA	NA	NA	51.5	NA	65.2
August 1998 .....	95.1	81.1	43.6	43.1	W	46.7
<b>Oklahoma</b>						
August 1999 .....	NA	101.8	61.0	57.1	NA	W
July 1999 .....	NA	98.4	56.1	51.7	W	NA
August 1998 .....	W	88.3	42.0	39.7	—	W
<b>South Dakota</b>						
August 1999 .....	W	W	67.0	69.2	—	—
July 1999 .....	W	W	59.3	61.6	—	W
August 1998 .....	W	92.1	50.1	53.7	—	W
<b>Tennessee</b>						
August 1999 .....	W	NA	58.4	61.0	W	62.7
July 1999 .....	W	NA	53.5	55.7	58.9	NA
August 1998 .....	W	90.1	41.0	44.9	W	46.3
<b>Wisconsin</b>						
August 1999 .....	—	W	NA	63.4	W	72.5
July 1999 .....	—	W	NA	57.8	W	W
August 1998 .....	—	W	43.6	45.5	—	52.6
<b>PAD District III</b>						
August 1999 .....	105.9	96.8	55.2	56.2	70.9	57.2
July 1999 .....	100.2	90.0	50.3	50.1	65.0	51.8
August 1998 .....	88.1	81.3	40.1	39.1	W	38.1
<b>Alabama</b>						
August 1999 .....	W	106.7	58.3	54.9	W	W
July 1999 .....	W	100.7	NA	NA	W	W
August 1998 .....	90.1	92.3	43.5	45.5	W	45.7
<b>Arkansas</b>						
August 1999 .....	W	W	63.2	65.5	—	—
July 1999 .....	W	W	57.2	59.8	—	W
August 1998 .....	W	W	43.9	46.6	—	W
<b>Louisiana</b>						
August 1999 .....	W	102.4	55.9	55.4	W	W
July 1999 .....	W	98.8	50.5	49.0	W	W
August 1998 .....	W	84.8	40.1	40.1	W	W
<b>Mississippi</b>						
August 1999 .....	W	W	54.9	57.9	W	W
July 1999 .....	W	W	49.3	50.4	W	W
August 1998 .....	W	86.3	40.0	38.3	W	W
<b>New Mexico</b>						
August 1999 .....	W	W	NA	NA	—	W
July 1999 .....	W	W	NA	NA	—	W
August 1998 .....	W	W	45.0	45.5	—	W
<b>Texas</b>						
August 1999 .....	103.4	92.4	54.8	56.5	W	58.1
July 1999 .....	97.8	85.5	50.0	50.7	W	52.8
August 1998 .....	85.5	77.6	39.9	38.7	W	NA
<b>PAD District IV</b>						
August 1999 .....	NA	106.0	65.2	63.5	—	NA
July 1999 .....	NA	102.7	60.6	58.2	NA	NA
August 1998 .....	99.9	92.3	53.1	50.4	—	W
<b>Colorado</b>						
August 1999 .....	W	W	NA	NA	—	W
July 1999 .....	W	W	NA	NA	—	W
August 1998 .....	W	W	44.9	46.6	—	—

See footnotes at end of table.

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

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Idaho</b>						
August 1999 .....	W	W	W	74.0	-	-
July 1999 .....	W	W	W	NA	-	-
August 1998 .....	W	W	59.9	60.6	-	-
<b>Montana</b>						
August 1999 .....	W	107.8	74.2	79.9	-	-
July 1999 .....	W	W	71.3	72.9	-	-
August 1998 .....	W	-	63.0	67.3	-	-
<b>Utah</b>						
August 1999 .....	W	105.1	70.5	71.1	-	W
July 1999 .....	W	102.9	64.5	64.0	-	W
August 1998 .....	W	95.1	58.1	62.5	-	W
<b>Wyoming</b>						
August 1999 .....	W	108.5	71.4	70.3	-	-
July 1999 .....	W	W	67.7	68.6	NA	-
August 1998 .....	W	W	57.9	W	-	-
<b>PAD District V</b>						
August 1999 .....	131.1	127.1	63.2	63.7	W	75.4
July 1999 .....	127.4	124.1	59.6	59.8	W	68.8
August 1998 .....	100.8	103.1	47.5	48.1	W	50.5
<b>Alaska</b>						
August 1999 .....	W	144.6	65.4	67.8	W	-
July 1999 .....	W	140.3	63.5	63.1	W	-
August 1998 .....	W	108.4	49.9	55.8	W	-
<b>Arizona</b>						
August 1999 .....	W	113.7	64.6	NA	-	-
July 1999 .....	W	109.0	62.1	NA	W	-
August 1998 .....	W	97.7	47.3	50.6	-	W
<b>California</b>						
August 1999 .....	130.4	121.1	62.2	63.4	-	W
July 1999 .....	125.5	115.5	57.7	57.5	-	W
August 1998 .....	105.5	97.8	46.8	46.2	-	47.9
<b>Hawaii</b>						
August 1999 .....	-	W	66.8	W	-	-
July 1999 .....	-	W	62.9	W	-	-
August 1998 .....	-	W	50.8	W	-	-
<b>Nevada</b>						
August 1999 .....	W	W	66.3	68.8	-	-
July 1999 .....	W	W	62.8	65.0	-	-
August 1998 .....	W	98.3	49.8	53.5	-	W
<b>Oregon</b>						
August 1999 .....	W	W	64.2	NA	-	72.7
July 1999 .....	W	W	61.1	NA	-	W
August 1998 .....	W	W	48.2	51.8	-	W
<b>Washington</b>						
August 1999 .....	W	W	63.2	NA	-	W
July 1999 .....	W	W	60.1	64.8	-	W
August 1998 .....	W	W	46.7	48.9	-	58.7

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Notes: Values shown for the current month are preliminary. Values shown for previous months 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 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>United States</b>						
August 1999 .....	66.5	66.9	63.7	60.6	50.6	49.5
July 1999 .....	59.9	61.8	58.3	55.7	46.3	43.5
August 1998 .....	NA	51.3	45.8	40.5	36.2	36.0
<b>PAD District I</b>						
August 1999 .....	NA	66.1	60.4	57.1	W	54.4
July 1999 .....	NA	60.6	55.4	52.4	W	47.7
August 1998 .....	48.8	45.3	43.3	38.1	W	35.0
<b>Subdistrict IA</b>						
August 1999 .....	W	W	NA	NA	W	W
July 1999 .....	W	W	NA	51.9	W	W
August 1998 .....	-	W	46.2	39.0	W	W
<b>Connecticut</b>						
August 1999 .....	NA	-	NA	NA	W	W
July 1999 .....	NA	-	NA	49.6	W	W
August 1998 .....	-	W	42.5	38.1	W	W
<b>Maine</b>						
August 1999 .....	-	-	W	59.5	-	-
July 1999 .....	-	-	W	51.8	-	-
August 1998 .....	-	W	39.7	39.4	-	-
<b>Massachusetts</b>						
August 1999 .....	W	W	NA	NA	W	-
July 1999 .....	W	W	NA	NA	W	-
August 1998 .....	-	-	47.9	40.6	W	-
<b>New Hampshire</b>						
August 1999 .....	-	-	NA	NA	W	-
July 1999 .....	-	-	NA	NA	W	-
August 1998 .....	-	-	54.6	39.5	W	-
<b>Rhode Island</b>						
August 1999 .....	-	-	NA	NA	-	-
July 1999 .....	-	-	NA	NA	-	-
August 1998 .....	-	-	43.4	37.4	-	-
<b>Vermont</b>						
August 1999 .....	-	NA	W	58.3	W	-
July 1999 .....	-	NA	W	53.5	W	W
August 1998 .....	-	-	63.4	42.3	W	-
<b>Subdistrict IB</b>						
August 1999 .....	W	65.8	61.3	56.2	W	54.6
July 1999 .....	W	NA	57.3	51.9	W	47.8
August 1998 .....	49.6	44.2	43.9	37.7	W	34.8
<b>Delaware</b>						
August 1999 .....	-	-	NA	58.9	-	-
July 1999 .....	-	-	59.3	56.5	W	-
August 1998 .....	-	-	41.8	38.6	W	-
<b>District of Columbia</b>						
August 1999 .....	-	-	W	67.8	W	-
July 1999 .....	-	-	W	64.6	W	-
August 1998 .....	-	-	W	41.0	W	-
<b>Maryland</b>						
August 1999 .....	W	NA	59.1	57.1	W	-
July 1999 .....	W	NA	54.6	52.9	W	-
August 1998 .....	W	-	40.8	39.4	W	W
<b>New Jersey</b>						
August 1999 .....	NA	W	59.8	55.1	W	53.5
July 1999 .....	NA	W	56.2	50.9	W	46.8
August 1998 .....	NA	-	42.4	36.9	W	34.6
<b>New York</b>						
August 1999 .....	NA	NA	62.8	56.8	W	W
July 1999 .....	NA	W	58.7	52.3	W	W
August 1998 .....	W	43.1	46.7	38.8	W	W
<b>Pennsylvania</b>						
August 1999 .....	-	65.4	62.6	57.0	W	-
July 1999 .....	W	59.7	58.3	52.6	W	-
August 1998 .....	W	44.7	44.7	37.9	W	-

See footnotes at end of table.

**Table 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Subdistrict IC</b>						
August 1999 .....	—	66.1	59.6	58.0	W	W
July 1999 .....	—	60.8	54.3	53.1	W	W
August 1998 .....	W	45.5	42.8	38.4	W	NA
<b>Florida</b>						
August 1999 .....	—	W	61.4	58.5	W	—
July 1999 .....	—	W	56.6	53.5	W	—
August 1998 .....	—	—	43.3	38.6	W	—
<b>Georgia</b>						
August 1999 .....	—	—	58.8	57.6	—	—
July 1999 .....	—	—	53.6	52.4	—	—
August 1998 .....	—	W	45.2	37.7	W	—
<b>North Carolina</b>						
August 1999 .....	—	W	56.6	57.6	W	—
July 1999 .....	—	W	51.8	52.7	—	—
August 1998 .....	W	W	40.4	38.2	W	—
<b>South Carolina</b>						
August 1999 .....	—	—	60.1	58.0	—	—
July 1999 .....	—	—	56.1	52.9	—	—
August 1998 .....	—	W	42.7	38.3	—	—
<b>Virginia</b>						
August 1999 .....	—	W	57.2	57.6	W	W
July 1999 .....	—	W	49.5	53.3	W	W
August 1998 .....	—	46.8	40.6	38.5	W	NA
<b>West Virginia</b>						
August 1999 .....	—	W	61.3	59.8	—	—
July 1999 .....	—	W	56.3	54.5	—	—
August 1998 .....	—	—	42.7	42.1	—	—
<b>PAD District II</b>						
August 1999 .....	66.1	62.9	61.4	60.8	53.5	W
July 1999 .....	58.6	60.2	56.0	54.9	48.0	W
August 1998 .....	NA	47.0	44.9	41.0	W	W
<b>Illinois</b>						
August 1999 .....	W	62.0	60.4	58.4	—	—
July 1999 .....	W	59.4	55.4	51.4	—	—
August 1998 .....	W	45.0	44.1	38.8	—	—
<b>Indiana</b>						
August 1999 .....	W	NA	61.2	59.6	W	—
July 1999 .....	W	53.9	56.0	53.7	W	—
August 1998 .....	W	44.4	43.4	40.3	W	—
<b>Iowa</b>						
August 1999 .....	—	68.9	62.5	63.0	—	—
July 1999 .....	W	63.3	57.2	57.1	—	—
August 1998 .....	NA	47.8	NA	43.4	—	—
<b>Kansas</b>						
August 1999 .....	W	65.2	62.6	61.6	—	—
July 1999 .....	61.1	59.5	56.9	55.7	—	—
August 1998 .....	NA	48.6	46.8	42.5	—	—
<b>Kentucky</b>						
August 1999 .....	—	W	61.0	60.6	W	—
July 1999 .....	—	W	55.9	54.8	W	—
August 1998 .....	—	W	44.1	40.1	W	—
<b>Michigan</b>						
August 1999 .....	W	72.3	62.4	61.9	—	—
July 1999 .....	W	68.3	57.4	56.3	—	—
August 1998 .....	W	45.6	45.0	40.9	—	—
<b>Minnesota</b>						
August 1999 .....	W	69.2	62.4	63.3	W	W
July 1999 .....	W	63.1	56.7	56.4	W	W
August 1998 .....	W	47.8	48.8	43.3	W	W
<b>Missouri</b>						
August 1999 .....	—	NA	60.3	60.3	—	—
July 1999 .....	W	62.0	52.7	55.2	—	—
August 1998 .....	NA	47.5	45.8	41.0	—	—

See footnotes at end of table.

**Table 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Nebraska</b>						
August 1999 .....	W	68.8	61.3	62.5	—	—
July 1999 .....	W	NA	55.9	56.7	—	—
August 1998 .....	NA	48.8	45.9	43.8	—	—
<b>North Dakota</b>						
August 1999 .....	W	72.1	63.5	66.0	—	—
July 1999 .....	W	65.5	57.2	60.0	—	—
August 1998 .....	NA	49.7	W	47.0	—	—
<b>Ohio</b>						
August 1999 .....	W	W	64.5	62.7	—	—
July 1999 .....	W	W	58.7	57.2	—	—
August 1998 .....	W	46.5	46.3	41.3	W	—
<b>Oklahoma</b>						
August 1999 .....	W	62.1	58.4	59.4	—	—
July 1999 .....	—	57.9	52.5	53.6	—	—
August 1998 .....	—	42.1	43.6	40.6	—	—
<b>South Dakota</b>						
August 1999 .....	—	71.0	68.9	65.5	—	—
July 1999 .....	—	64.8	63.2	59.5	—	—
August 1998 .....	NA	50.1	48.6	46.2	—	—
<b>Tennessee</b>						
August 1999 .....	—	W	58.8	58.5	—	—
July 1999 .....	—	W	54.3	53.0	—	—
August 1998 .....	—	W	45.0	38.6	W	—
<b>Wisconsin</b>						
August 1999 .....	W	65.7	62.2	60.6	—	—
July 1999 .....	NA	59.9	56.8	55.0	—	—
August 1998 .....	W	44.9	43.7	40.4	—	—
<b>PAD District III</b>						
August 1999 .....	NA	NA	59.7	56.2	—	W
July 1999 .....	NA	NA	55.4	51.2	W	W
August 1998 .....	—	W	44.1	37.0	W	—
<b>Alabama</b>						
August 1999 .....	—	—	58.7	57.7	—	—
July 1999 .....	—	—	54.2	52.7	—	—
August 1998 .....	—	—	42.0	37.8	—	—
<b>Arkansas</b>						
August 1999 .....	—	—	NA	57.9	—	—
July 1999 .....	—	—	NA	52.6	—	—
August 1998 .....	—	—	51.0	38.7	—	—
<b>Louisiana</b>						
August 1999 .....	—	—	60.8	53.5	—	—
July 1999 .....	—	—	55.2	48.2	—	—
August 1998 .....	—	—	44.0	35.8	—	—
<b>Mississippi</b>						
August 1999 .....	—	—	58.1	56.0	—	W
July 1999 .....	—	—	52.7	50.5	W	W
August 1998 .....	—	—	39.4	37.7	W	—
<b>New Mexico</b>						
August 1999 .....	—	W	80.2	67.0	—	—
July 1999 .....	—	W	74.2	61.4	—	—
August 1998 .....	—	53.2	69.5	43.7	—	—
<b>Texas</b>						
August 1999 .....	NA	NA	58.3	56.1	—	NA
July 1999 .....	NA	NA	54.9	51.5	—	NA
August 1998 .....	—	W	42.9	36.6	—	—
<b>PAD District IV</b>						
August 1999 .....	72.2	78.6	72.1	70.5	—	—
July 1999 .....	68.2	72.1	64.3	63.4	—	—
August 1998 .....	NA	59.1	54.1	49.6	—	—
<b>Colorado</b>						
August 1999 .....	W	76.2	73.2	67.4	—	—
July 1999 .....	W	66.7	65.3	60.5	—	—
August 1998 .....	W	51.7	55.6	43.5	—	—

See footnotes at end of table.

**Table 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Idaho</b>						
August 1999 .....	W	79.9	73.2	73.6	—	—
July 1999 .....	W	73.3	63.8	67.8	—	—
August 1998 .....	NA	64.3	54.1	52.9	—	—
<b>Montana</b>						
August 1999 .....	W	79.8	64.4	69.6	—	—
July 1999 .....	W	74.4	60.9	63.7	—	—
August 1998 .....	W	63.7	55.0	53.1	—	—
<b>Utah</b>						
August 1999 .....	W	79.5	73.7	73.5	—	—
July 1999 .....	W	70.3	65.7	64.4	—	—
August 1998 .....	W	NA	51.2	53.8	—	—
<b>Wyoming</b>						
August 1999 .....	W	78.7	72.6	70.3	—	—
July 1999 .....	W	75.3	63.8	63.2	—	—
August 1998 .....	W	58.8	55.6	47.9	—	—
<b>PAD District V</b>						
August 1999 .....	86.7	70.4	75.2	72.7	W	W
July 1999 .....	NA	62.9	70.7	68.7	W	W
August 1998 .....	52.0	57.8	51.2	48.7	W	W
<b>Alaska</b>						
August 1999 .....	86.7	70.1	83.8	67.6	W	W
July 1999 .....	NA	61.8	NA	65.4	W	W
August 1998 .....	51.9	57.6	68.3	53.2	W	W
<b>Arizona</b>						
August 1999 .....	—	—	74.0	68.9	—	—
July 1999 .....	—	W	68.5	63.6	—	—
August 1998 .....	—	W	54.2	44.9	—	—
<b>California</b>						
August 1999 .....	—	NA	77.0	74.4	—	W
July 1999 .....	—	NA	71.8	70.5	—	W
August 1998 .....	—	—	50.2	48.6	—	W
<b>Hawaii</b>						
August 1999 .....	—	—	W	65.1	—	—
July 1999 .....	—	—	W	64.7	—	—
August 1998 .....	—	—	W	69.1	—	—
<b>Nevada</b>						
August 1999 .....	—	W	W	69.2	—	—
July 1999 .....	—	W	W	63.7	—	—
August 1998 .....	—	—	W	49.4	—	—
<b>Oregon</b>						
August 1999 .....	—	W	69.6	70.4	—	—
July 1999 .....	W	W	66.5	65.3	—	—
August 1998 .....	—	57.5	47.3	48.3	—	—
<b>Washington</b>						
August 1999 .....	—	76.2	75.3	70.6	—	—
July 1999 .....	W	77.7	72.3	68.3	—	—
August 1998 .....	W	59.4	44.8	48.8	—	—

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.

<sup>b</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

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

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

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

**Table 38. Propane (Consumer Grade) Prices by Sales Type and PAD District**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users							Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Petro- Chemical	Other End Users	Average	
<b>United States</b>								
August 1999 .....	81.9	81.2	74.6	W	40.0	67.3	69.6	39.6
July 1999 .....	83.9	81.4	73.0	86.5	36.1	67.2	72.0	35.8
August 1998 .....	82.2	80.5	67.1	59.3	24.3	64.4	70.8	26.5
<b>PAD District I</b>								
August 1999 .....	112.4	84.1	76.7	89.3	—	72.8	91.9	45.7
July 1999 .....	112.1	84.6	75.0	W	—	71.4	93.0	41.2
August 1998 .....	105.0	83.1	70.0	56.8	W	69.0	87.7	32.2
<b>Subdistrict IA</b>								
August 1999 .....	120.5	86.8	75.0	W	—	NA	102.1	50.5
July 1999 .....	119.3	85.7	NA	W	—	94.1	102.3	46.0
August 1998 .....	117.2	84.8	W	50.5	—	81.2	94.5	36.8
<b>Subdistrict IB</b>								
August 1999 .....	124.1	85.8	88.9	95.0	—	79.5	103.8	43.0
July 1999 .....	119.6	NA	86.5	90.0	—	NA	102.6	39.5
August 1998 .....	113.8	84.3	79.0	66.0	—	85.6	100.8	31.3
<b>Subdistrict IC</b>								
August 1999 .....	101.1	82.4	70.7	W	—	71.6	83.8	47.0
July 1999 .....	102.1	82.4	69.6	W	—	68.8	84.4	41.6
August 1998 .....	94.6	82.2	62.2	W	W	66.3	80.1	32.1
<b>PAD District II</b>								
August 1999 .....	67.9	70.3	75.0	W	W	60.3	68.2	37.8
July 1999 .....	66.6	69.1	73.0	W	W	61.8	67.7	34.5
August 1998 .....	67.6	75.3	71.0	57.8	W	59.7	67.2	25.9
<b>PAD District III</b>								
August 1999 .....	87.2	78.5	75.9	80.5	40.0	68.2	50.7	39.2
July 1999 .....	86.9	77.1	74.3	78.8	36.0	67.4	50.4	35.6
August 1998 .....	84.8	74.0	62.4	60.1	24.3	63.7	48.9	25.0
<b>PAD District IV</b>								
August 1999 .....	67.3	78.2	59.3	78.4	—	81.0	69.5	35.6
July 1999 .....	67.2	76.5	55.8	76.4	—	79.9	68.8	31.1
August 1998 .....	62.7	82.5	43.1	61.2	—	65.8	62.9	24.4
<b>PAD District V</b>								
August 1999 .....	93.1	91.6	71.9	W	—	66.8	87.5	40.2
July 1999 .....	93.3	91.9	73.0	W	—	67.0	88.1	35.1
August 1998 .....	89.5	86.9	62.1	64.4	—	61.6	81.0	27.9

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

**Table 39. No. 2 Distillate<sup>a</sup> Prices by Sales Type, PAD District, and Selected States<sup>b</sup>**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>c</sup>	Other End Users <sup>d</sup>	Average	
<b>United States</b>							
August 1999 .....	83.1	65.9	68.4	73.7	74.2	71.0	61.0
July 1999 .....	81.6	61.1	63.7	68.8	68.3	66.0	56.0
August 1998 .....	75.5	48.7	52.4	56.2	56.9	54.1	41.3
<b>PAD District I</b>							
August 1999 .....	82.8	62.8	66.6	69.9	65.2	68.1	57.4
July 1999 .....	81.6	58.4	62.5	66.1	59.6	63.6	52.7
August 1998 .....	76.1	48.5	52.0	55.8	51.0	54.5	39.2
<b>Subdistrict IA</b>							
August 1999 .....	80.1	65.1	69.2	77.1	66.4	73.6	58.1
July 1999 .....	77.4	61.3	66.7	72.7	62.3	69.4	52.5
August 1998 .....	73.2	51.8	58.7	65.2	50.1	62.6	39.8
<b>Connecticut</b>							
August 1999 .....	79.8	64.8	61.3	80.2	63.6	73.9	57.1
July 1999 .....	78.0	60.2	58.1	74.5	62.0	69.3	50.6
August 1998 .....	71.4	49.6	45.1	65.3	50.7	63.0	39.7
<b>Maine</b>							
August 1999 .....	83.0	65.3	60.2	74.3	66.3	73.5	59.7
July 1999 .....	79.8	62.4	56.8	69.5	63.9	69.2	53.6
August 1998 .....	74.3	54.0	47.3	63.2	57.6	62.4	40.2
<b>Massachusetts</b>							
August 1999 .....	80.2	63.4	75.8	78.6	66.9	74.1	58.6
July 1999 .....	77.5	59.7	74.5	75.2	61.2	70.1	53.2
August 1998 .....	74.0	50.2	69.5	69.2	41.5	62.2	40.4
<b>New Hampshire</b>							
August 1999 .....	74.5	64.6	NA	75.2	61.5	69.8	57.8
July 1999 .....	69.7	61.4	52.4	71.8	58.1	66.0	52.9
August 1998 .....	68.5	52.6	53.7	64.0	56.3	60.5	38.9
<b>Rhode Island</b>							
August 1999 .....	81.2	66.4	67.6	77.4	61.6	74.3	56.5
July 1999 .....	79.0	61.8	60.9	73.9	55.8	69.8	NA
August 1998 .....	78.8	53.6	NA	65.6	NA	65.3	38.0
<b>Vermont</b>							
August 1999 .....	82.2	71.4	66.1	77.6	70.7	74.8	59.7
July 1999 .....	79.9	67.0	64.0	74.0	NA	70.7	55.3
August 1998 .....	80.9	56.5	NA	69.3	62.5	65.9	43.8
<b>Subdistrict IB</b>							
August 1999 .....	83.1	60.3	66.9	70.7	64.5	67.3	56.3
July 1999 .....	83.5	56.5	63.8	68.0	62.3	63.7	52.2
August 1998 .....	77.7	49.1	53.1	56.7	51.6	56.4	38.9
<b>Delaware</b>							
August 1999 .....	78.1	56.7	70.5	71.2	NA	63.0	57.2
July 1999 .....	76.3	55.3	67.9	65.5	62.9	61.1	53.8
August 1998 .....	74.5	NA	60.0	57.2	NA	54.8	39.0
<b>District of Columbia</b>							
August 1999 .....	W	60.1	-	W	W	65.4	57.7
July 1999 .....	W	55.4	-	W	W	57.6	53.1
August 1998 .....	85.6	48.1	-	W	W	55.1	NA
<b>Maryland</b>							
August 1999 .....	85.9	65.5	64.3	68.1	63.7	67.8	57.9
July 1999 .....	84.4	61.3	61.5	64.7	58.8	64.2	53.6
August 1998 .....	79.4	51.9	52.3	56.3	46.2	55.7	41.6
<b>New Jersey</b>							
August 1999 .....	87.4	59.1	70.0	67.8	62.6	65.0	55.0
July 1999 .....	85.1	54.9	66.8	65.0	63.5	61.5	51.0
August 1998 .....	76.8	46.7	NA	57.3	44.2	55.7	37.5
<b>New York</b>							
August 1999 .....	NA	64.8	64.5	73.6	62.8	73.3	56.9
July 1999 .....	95.1	60.6	60.6	71.3	63.1	70.0	52.6
August 1998 .....	83.8	50.3	50.6	65.3	65.1	59.9	39.4

See footnotes at end of table.

**Table 39. No. 2 Distillate<sup>a</sup> Prices by Sales Type, PAD District, and Selected States<sup>b</sup>**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>c</sup>	Other End Users <sup>d</sup>	Average	
<b>Pennsylvania</b>							
August 1999 .....	74.7	58.2	66.5	71.2	69.1	64.9	56.7
July 1999 .....	73.4	54.8	63.5	68.6	64.5	61.5	52.8
August 1998 .....	69.9	47.7	48.9	54.7	48.4	53.7	39.9
<b>Subdistrict IC</b>							
August 1999 .....	87.7	65.3	66.1	68.3	65.3	67.4	58.7
July 1999 .....	84.5	60.1	61.1	63.7	58.6	62.1	53.3
August 1998 .....	77.9	47.2	50.9	53.6	50.9	51.1	39.3
<b>Virginia</b>							
August 1999 .....	87.3	64.3	64.9	68.7	71.8	69.1	58.0
July 1999 .....	84.1	58.5	61.0	64.6	NA	63.1	53.4
August 1998 .....	79.8	47.7	47.7	52.5	57.7	53.1	39.4
<b>West Virginia</b>							
August 1999 .....	75.9	63.8	67.4	77.9	68.5	70.4	61.0
July 1999 .....	69.5	59.6	62.7	71.6	64.0	65.2	56.0
August 1998 .....	72.7	44.5	51.1	62.3	55.5	53.2	45.2
<b>PAD District II</b>							
August 1999 .....	82.5	62.9	71.1	73.0	74.5	70.7	61.3
July 1999 .....	77.9	57.5	66.1	67.7	69.1	65.3	55.4
August 1998 .....	70.8	47.4	52.3	54.8	60.4	53.4	41.9
<b>Illinois</b>							
August 1999 .....	NA	62.9	68.9	73.5	78.4	70.6	59.0
July 1999 .....	62.8	56.7	65.8	68.2	72.9	65.0	52.0
August 1998 .....	NA	46.4	48.6	60.9	65.2	53.7	39.6
<b>Indiana</b>							
August 1999 .....	84.4	62.7	69.4	69.1	72.8	67.9	59.9
July 1999 .....	76.3	58.6	64.5	63.8	64.6	62.7	53.9
August 1998 .....	70.6	45.9	48.8	52.5	61.3	51.2	40.9
<b>Michigan</b>							
August 1999 .....	NA	64.9	NA	72.1	73.0	72.2	62.5
July 1999 .....	NA	60.0	72.9	67.4	68.6	67.6	56.8
August 1998 .....	74.5	52.5	53.4	57.7	55.7	56.0	42.7
<b>Minnesota</b>							
August 1999 .....	81.1	64.3	69.5	74.5	72.2	70.2	63.8
July 1999 .....	74.0	57.1	64.2	68.1	70.4	65.0	56.8
August 1998 .....	68.2	53.1	59.9	59.8	61.2	59.0	44.8
<b>Ohio</b>							
August 1999 .....	80.5	63.3	72.0	73.9	72.5	70.6	62.8
July 1999 .....	78.9	57.6	66.3	68.9	67.5	65.1	57.4
August 1998 .....	70.1	46.5	52.5	55.1	54.0	51.6	42.3
<b>Wisconsin</b>							
August 1999 .....	85.8	67.7	74.6	75.0	80.0	74.5	61.4
July 1999 .....	79.8	61.8	68.6	69.2	73.7	68.4	55.8
August 1998 .....	75.5	49.0	58.4	58.2	67.1	57.4	40.9
<b>PAD District III</b>							
August 1999 .....	70.1	61.7	64.2	67.6	67.4	64.6	56.6
July 1999 .....	65.0	56.7	58.4	63.1	62.8	59.8	51.6
August 1998 .....	55.1	44.5	48.9	52.5	53.4	50.0	37.8
<b>PAD District IV</b>							
August 1999 .....	82.3	70.6	NA	81.3	83.1	75.7	71.0
July 1999 .....	78.9	64.2	NA	74.9	76.2	69.6	63.9
August 1998 .....	77.9	56.7	61.3	63.3	65.3	61.4	50.7
<b>Idaho</b>							
August 1999 .....	79.6	76.4	76.9	86.8	86.0	83.5	74.3
July 1999 .....	NA	69.2	72.0	81.7	81.8	77.7	68.6
August 1998 .....	79.7	58.2	67.7	66.3	68.0	66.2	54.4

See footnotes at end of table.

**Table 39. No. 2 Distillate<sup>a</sup> Prices by Sales Type, PAD District, and Selected States<sup>b</sup>**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>c</sup>	Other End Users <sup>d</sup>	Average	
<b>PAD District V</b>							
August 1999 .....	NA	79.8	77.4	90.6	86.2	83.7	72.7
July 1999 .....	103.0	76.7	75.0	86.4	80.2	80.1	69.0
August 1998 .....	84.1	53.1	55.8	67.4	59.1	58.0	48.9
<b>Alaska</b>							
August 1999 .....	NA	89.0	74.6	W	78.7	NA	69.9
July 1999 .....	99.2	89.0	NA	W	76.5	89.9	67.8
August 1998 .....	82.5	70.8	58.3	89.6	76.7	72.7	54.7
<b>Oregon</b>							
August 1999 .....	104.5	76.4	79.3	91.9	79.8	80.3	71.0
July 1999 .....	103.4	75.6	77.9	92.5	75.8	79.3	66.7
August 1998 .....	82.4	57.0	58.8	66.2	60.4	59.9	48.9
<b>Washington</b>							
August 1999 .....	108.2	NA	80.4	92.8	89.1	83.1	68.7
July 1999 .....	110.2	74.0	78.3	91.9	NA	80.8	66.3
August 1998 .....	88.5	53.4	61.6	69.2	69.9	60.8	49.5

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.

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

<sup>c</sup> Includes low-sulfur diesel fuel only with the exception of Alaska, which currently is exempt from the Clean Air Act's diesel fuel sulfur content requirement.

<sup>d</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

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

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

**Table 40. No. 2 Diesel Fuel Prices by Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>United States</b>						
August 1999 .....	66.7	68.9	73.7	75.2	71.0	62.0
July 1999 .....	61.8	64.0	68.8	69.8	66.0	57.0
August 1998 .....	48.6	53.2	56.2	57.7	53.4	42.2
<b>PAD District I</b>						
August 1999 .....	64.0	67.5	69.9	66.7	67.0	58.4
July 1999 .....	59.5	63.4	66.1	61.1	62.6	53.7
August 1998 .....	48.1	53.0	55.8	52.9	51.7	40.0
<b>Subdistrict IA</b>						
August 1999 .....	65.2	71.2	77.1	69.5	71.0	59.2
July 1999 .....	61.1	68.8	72.7	65.8	67.0	54.0
August 1998 .....	51.2	65.8	65.2	54.7	57.7	41.1
<b>Connecticut</b>						
August 1999 .....	64.4	61.9	80.2	64.5	70.0	NA
July 1999 .....	59.5	58.5	74.5	65.0	65.1	50.2
August 1998 .....	46.9	46.9	65.3	57.8	54.9	41.0
<b>Maine</b>						
August 1999 .....	65.0	64.1	74.3	71.7	71.3	60.8
July 1999 .....	61.3	59.6	69.5	70.1	67.0	57.3
August 1998 .....	56.7	53.9	63.2	57.5	60.4	43.2
<b>Massachusetts</b>						
August 1999 .....	64.1	76.2	78.6	73.8	72.0	59.0
July 1999 .....	NA	75.1	75.2	69.1	68.5	56.6
August 1998 .....	51.0	74.1	69.2	47.0	57.7	41.2
<b>New Hampshire</b>						
August 1999 .....	65.5	NA	75.2	69.4	69.6	59.8
July 1999 .....	62.5	51.9	71.8	NA	66.4	54.8
August 1998 .....	49.4	62.2	64.0	63.0	58.2	40.0
<b>Rhode Island</b>						
August 1999 .....	65.6	68.1	77.4	61.6	66.8	NA
July 1999 .....	60.6	61.4	73.9	55.8	62.0	NA
August 1998 .....	51.6	NA	65.6	NA	52.7	38.8
<b>Vermont</b>						
August 1999 .....	71.5	71.3	77.6	67.8	72.7	61.9
July 1999 .....	67.8	67.3	74.0	64.5	69.0	57.5
August 1998 .....	55.7	NA	69.3	61.6	59.5	45.9
<b>Subdistrict IB</b>						
August 1999 .....	62.1	67.8	70.7	67.4	66.3	57.2
July 1999 .....	58.4	64.7	68.0	65.1	63.0	53.8
August 1998 .....	48.5	54.0	56.7	58.1	52.3	40.1
<b>Delaware</b>						
August 1999 .....	56.3	70.6	71.2	64.6	62.8	57.8
July 1999 .....	55.6	67.6	65.5	62.6	60.4	54.4
August 1998 .....	NA	59.6	57.2	51.4	53.2	39.5
<b>District of Columbia</b>						
August 1999 .....	59.4	-	W	W	62.3	67.8
July 1999 .....	54.8	-	W	W	57.8	63.3
August 1998 .....	45.8	-	W	W	49.4	NA
<b>Maryland</b>						
August 1999 .....	66.2	64.9	68.1	66.0	66.6	58.1
July 1999 .....	61.8	62.1	64.7	62.4	63.0	55.4
August 1998 .....	51.7	53.2	56.3	53.7	53.3	42.4
<b>New Jersey</b>						
August 1999 .....	60.2	71.5	67.8	64.6	64.8	55.8
July 1999 .....	56.2	68.3	65.0	63.3	61.2	52.3
August 1998 .....	46.0	NA	57.3	52.6	53.4	38.6
<b>New York</b>						
August 1999 .....	63.9	65.5	73.6	66.4	67.0	59.4
July 1999 .....	59.5	61.8	71.3	66.4	63.7	55.9
August 1998 .....	49.6	51.2	65.3	64.5	52.9	41.6

See footnotes at end of table.

**Table 40. No. 2 Diesel Fuel Prices by Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>Pennsylvania</b>						
August 1999 .....	61.2	66.6	71.2	69.4	66.8	57.2
July 1999 .....	58.3	63.3	68.6	65.3	63.7	53.7
August 1998 .....	47.3	48.7	54.7	56.3	51.3	40.6
<b>Subdistrict IC</b>						
August 1999 .....	65.3	66.9	68.3	66.4	66.8	59.2
July 1999 .....	60.1	62.0	63.7	60.0	61.7	53.7
August 1998 .....	47.1	51.7	53.6	51.8	50.6	39.7
<b>Virginia</b>						
August 1999 .....	64.5	67.4	68.7	75.3	67.6	59.1
July 1999 .....	58.9	63.6	64.6	69.1	62.7	54.0
August 1998 .....	47.8	50.3	52.5	59.7	50.6	39.9
<b>West Virginia</b>						
August 1999 .....	67.3	67.7	77.9	75.2	72.2	61.7
July 1999 .....	64.3	62.8	71.6	67.9	67.1	56.7
August 1998 .....	51.4	51.1	62.3	55.3	56.3	46.9
<b>PAD District II</b>						
August 1999 .....	63.2	72.0	73.0	75.1	70.9	61.8
July 1999 .....	57.6	66.8	67.7	70.4	65.6	55.9
August 1998 .....	47.5	53.5	54.8	61.0	53.6	42.3
<b>Illinois</b>						
August 1999 .....	62.3	72.5	73.5	78.9	71.0	60.1
July 1999 .....	55.8	68.6	68.2	73.7	65.4	53.0
August 1998 .....	46.6	53.4	60.9	66.1	54.8	40.5
<b>Indiana</b>						
August 1999 .....	63.4	73.3	69.1	73.8	68.2	60.3
July 1999 .....	58.5	67.5	63.8	67.5	62.9	54.2
August 1998 .....	46.4	53.0	52.5	62.5	51.3	41.4
<b>Michigan</b>						
August 1999 .....	64.8	NA	72.1	73.7	71.4	63.0
July 1999 .....	59.9	NA	67.4	69.0	66.8	57.3
August 1998 .....	52.5	54.8	57.7	57.9	55.1	43.1
<b>Minnesota</b>						
August 1999 .....	64.1	74.1	74.5	72.7	70.3	64.0
July 1999 .....	58.1	68.7	68.1	71.3	65.7	57.0
August 1998 .....	54.7	62.7	59.8	63.7	60.2	44.7
<b>Ohio</b>						
August 1999 .....	NA	72.4	73.9	75.6	71.2	64.1
July 1999 .....	NA	66.5	68.9	71.9	65.9	58.2
August 1998 .....	46.9	52.3	55.1	56.1	51.7	42.8
<b>Wisconsin</b>						
August 1999 .....	68.0	75.0	75.0	79.9	74.0	62.2
July 1999 .....	62.1	69.2	69.2	73.7	68.1	56.5
August 1998 .....	49.1	59.2	58.2	67.2	56.8	41.2
<b>PAD District III</b>						
August 1999 .....	61.7	64.6	67.6	67.5	64.7	56.9
July 1999 .....	56.7	58.9	63.1	62.9	59.9	51.8
August 1998 .....	44.6	49.4	52.5	53.4	50.1	38.3
<b>PAD District IV</b>						
August 1999 .....	70.6	NA	81.3	83.1	75.6	71.0
July 1999 .....	64.2	NA	74.9	76.2	69.6	64.0
August 1998 .....	57.3	61.8	63.3	65.3	61.7	50.7
<b>Idaho</b>						
August 1999 .....	76.4	76.7	86.8	86.0	83.4	74.4
July 1999 .....	69.2	71.8	81.7	81.8	77.6	68.6
August 1998 .....	57.9	67.7	66.3	68.2	66.2	54.4

See footnotes at end of table.

**Table 40. No. 2 Diesel Fuel Prices by Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>PAD District V</b>						
August 1999 .....	79.6	76.5	90.6	86.2	83.5	72.9
July 1999 .....	76.4	73.1	86.4	80.3	79.7	69.1
August 1998 .....	52.5	55.6	67.4	59.0	57.6	48.8
<b>Alaska</b>						
August 1999 .....	NA	61.6	W	81.2	NA	72.2
July 1999 .....	88.7	NA	W	80.7	89.0	68.8
August 1998 .....	72.4	56.1	89.6	76.7	73.3	55.2
<b>Oregon</b>						
August 1999 .....	76.4	79.3	91.9	79.8	80.1	71.0
July 1999 .....	75.5	77.9	92.5	75.8	78.9	66.7
August 1998 .....	57.0	58.8	66.2	60.4	59.7	48.9
<b>Washington</b>						
August 1999 .....	NA	80.5	92.8	89.1	82.7	68.7
July 1999 .....	74.0	78.5	91.9	NA	80.1	66.2
August 1998 .....	53.2	61.6	69.2	69.9	60.4	49.5

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes low-sulfur diesel fuel only with the exception of Alaska, which currently is exempt from the Clean Air Act's diesel fuel sulfur content requirement.

<sup>b</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

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

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

**Table 41. No. 2 Diesel Fuel Prices by Sulfur Content, Sales Type, and PAD District**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Low-Sulfur Diesel Fuel					High-Sulfur Diesel Fuel					
	Sales to End Users					Sales for Resale	Sales to End Users				Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average		Commercial/ Institutional Consumers	Industrial Consumers	Other End Users <sup>b</sup>	Average	
<b>United States</b>											
August 1999 .....	67.8	68.3	73.7	77.6	71.9	62.4	64.6	69.7	71.7	67.7	58.7
July 1999 .....	63.2	63.6	68.8	71.2	67.0	57.5	58.9	64.7	67.3	62.3	53.4
August 1998 .....	48.4	53.3	56.2	57.4	53.6	42.4	48.9	53.1	58.2	52.5	40.6
<b>PAD District I</b>											
August 1999 .....	62.9	67.3	69.9	65.9	66.9	58.6	66.9	67.8	67.4	67.3	56.3
July 1999 .....	59.0	63.5	66.1	58.9	62.8	54.0	60.9	63.3	64.0	62.1	51.6
August 1998 .....	46.4	51.2	55.8	48.1	50.9	40.2	52.5	55.0	57.9	54.4	39.0
<b>Subdistrict IA</b>											
August 1999 .....	65.1	72.1	77.1	69.3	71.7	59.8	65.7	NA	70.5	65.8	W
July 1999 .....	61.3	70.0	72.7	65.4	67.8	54.3	NA	59.7	67.4	61.0	W
August 1998 .....	51.8	66.6	65.2	53.4	58.6	41.1	49.4	61.6	68.3	51.5	41.0
<b>Subdistrict IB</b>											
August 1999 .....	61.4	68.0	70.7	70.3	66.4	57.3	65.1	66.8	65.0	65.3	NA
July 1999 .....	58.0	65.6	68.0	67.4	63.3	53.9	60.3	60.5	62.8	60.9	NA
August 1998 .....	47.1	55.4	56.7	56.1	51.9	40.3	53.6	51.1	60.3	54.0	36.9
<b>Subdistrict IC</b>											
August 1999 .....	64.0	65.1	68.3	64.7	66.4	59.5	67.8	68.1	67.9	67.9	56.7
July 1999 .....	59.5	59.4	63.7	56.8	61.4	53.9	61.1	63.8	64.3	62.6	51.7
August 1998 .....	44.7	46.8	53.6	45.9	48.8	39.8	52.3	55.7	57.4	54.7	39.3
<b>PAD District II</b>											
August 1999 .....	64.3	69.0	73.0	75.3	71.4	61.8	61.0	76.5	74.8	68.5	61.6
July 1999 .....	58.9	64.6	67.7	70.6	66.2	55.8	55.1	70.2	69.9	62.8	56.2
August 1998 .....	47.6	53.0	54.8	61.3	53.7	42.3	47.3	53.8	60.6	53.1	41.6
<b>PAD District III</b>											
August 1999 .....	64.1	65.2	67.6	68.5	66.2	57.6	59.1	63.8	66.8	61.9	54.4
July 1999 .....	58.9	59.1	63.1	63.3	61.4	52.7	54.5	58.5	62.5	56.9	49.2
August 1998 .....	47.4	50.5	52.5	53.5	51.5	38.6	41.6	47.7	53.1	46.5	37.4
<b>PAD District IV</b>											
August 1999 .....	70.8	NA	81.3	82.8	75.8	71.4	70.4	78.7	83.7	74.4	67.8
July 1999 .....	66.8	NA	74.9	76.3	70.3	64.3	60.5	72.5	75.8	65.1	60.9
August 1998 .....	58.0	62.5	63.3	65.5	62.4	50.7	56.3	58.4	64.8	58.5	50.9
<b>PAD District V</b>											
August 1999 .....	81.0	79.4	90.6	91.2	85.9	73.3	75.4	73.2	74.9	74.9	69.3
July 1999 .....	77.8	75.0	86.4	84.7	81.8	69.4	71.9	70.7	69.9	71.2	65.3
August 1998 .....	52.7	56.3	67.4	58.3	58.6	48.7	51.9	54.6	59.6	54.6	49.5

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes low-sulfur diesel fuel only with the exception of Alaska, which currently is exempt from the Clean Air Act's diesel fuel sulfur content requirement.

<sup>b</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

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

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

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

**Table 42. Residual Fuel Oil Prices by PAD District and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur 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
<b>United States</b>						
August 1999 .....	45.9	44.1	42.8	40.8	43.5	42.4
July 1999 .....	40.0	38.2	35.4	34.8	36.9	36.1
August 1998 .....	32.5	27.6	27.7	26.5	29.1	27.0
<b>PAD District I</b>						
August 1999 .....	46.5	45.4	42.8	41.4	43.9	45.2
July 1999 .....	39.5	39.8	36.3	32.0	37.8	38.4
August 1998 .....	32.0	28.9	29.0	28.7	30.1	28.8
<b>Subdistrict IA</b>						
August 1999 .....	43.3	44.0	NA	W	42.3	43.9
July 1999 .....	39.0	39.1	36.0	W	37.3	38.4
August 1998 .....	31.2	28.8	31.6	W	31.3	31.2
<b>Connecticut</b>						
August 1999 .....	33.3	NA	NA	NA	38.4	NA
July 1999 .....	W	NA	NA	NA	38.3	NA
August 1998 .....	42.7	-	W	-	28.2	-
<b>Maine</b>						
August 1999 .....	W	W	40.2	NA	42.5	W
July 1999 .....	W	W	35.3	NA	37.1	W
August 1998 .....	W	W	31.5	W	31.8	W
<b>Massachusetts</b>						
August 1999 .....	NA	NA	W	W	NA	NA
July 1999 .....	NA	39.3	NA	W	NA	39.1
August 1998 .....	31.9	W	34.5	W	32.2	30.9
<b>New Hampshire</b>						
August 1999 .....	45.2	-	W	W	W	W
July 1999 .....	41.4	W	W	W	NA	W
August 1998 .....	W	W	32.8	-	26.8	W
<b>Rhode Island</b>						
August 1999 .....	W	W	-	-	W	W
July 1999 .....	W	W	-	-	W	W
August 1998 .....	W	W	W	-	33.9	W
<b>Vermont</b>						
August 1999 .....	W	-	W	-	W	-
July 1999 .....	W	-	W	-	W	-
August 1998 .....	-	-	31.0	-	31.0	-
<b>Subdistrict IB</b>						
August 1999 .....	48.0	45.6	42.4	40.0	44.8	45.3
July 1999 .....	40.7	41.1	35.2	NA	38.0	38.6
August 1998 .....	32.0	27.7	27.4	23.2	29.5	26.8
<b>Delaware</b>						
August 1999 .....	NA	NA	42.0	NA	43.7	NA
July 1999 .....	NA	W	34.8	W	37.4	W
August 1998 .....	31.5	W	30.1	W	30.6	W
<b>District of Columbia</b>						
August 1999 .....	NA	-	-	-	NA	-
July 1999 .....	W	-	-	-	W	-
August 1998 .....	W	-	-	-	W	-
<b>Maryland</b>						
August 1999 .....	45.1	NA	44.6	-	44.8	NA
July 1999 .....	W	W	37.6	W	39.0	38.0
August 1998 .....	W	W	29.9	W	28.1	24.4
<b>New Jersey</b>						
August 1999 .....	48.2	47.6	40.4	34.7	44.0	45.5
July 1999 .....	W	39.3	35.5	33.6	36.8	37.7
August 1998 .....	29.5	26.0	25.0	W	27.7	NA
<b>New York</b>						
August 1999 .....	50.1	44.1	43.0	42.6	46.2	44.1
July 1999 .....	42.4	41.6	34.7	37.1	39.2	41.5
August 1998 .....	32.6	29.5	26.4	24.0	29.2	29.3
<b>Pennsylvania</b>						
August 1999 .....	NA	W	42.0	W	42.4	W
July 1999 .....	NA	W	34.8	W	36.2	W
August 1998 .....	35.4	27.6	28.7	22.0	30.7	26.5

See footnotes at end of table.

**Table 42. Residual Fuel Oil Prices by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur 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
<b>Subdistrict IC</b>						
August 1999 .....	44.5	W	43.4	45.6	43.6	W
July 1999 .....	37.7	W	37.7	36.7	37.7	38.2
August 1998 .....	33.8	30.3	30.4	26.3	30.8	28.9
<b>Florida</b>						
August 1999 .....	W	W	43.4	W	43.5	W
July 1999 .....	37.6	W	37.8	—	37.7	W
August 1998 .....	—	W	30.8	W	30.8	29.4
<b>Georgia</b>						
August 1999 .....	—	—	38.7	W	38.7	W
July 1999 .....	—	—	35.4	—	35.4	—
August 1998 .....	—	—	32.6	W	32.6	W
<b>North Carolina</b>						
August 1999 .....	W	—	43.4	W	43.7	W
July 1999 .....	W	—	36.8	35.9	37.0	35.9
August 1998 .....	W	—	28.4	27.5	29.0	27.5
<b>South Carolina</b>						
August 1999 .....	W	—	W	W	W	W
July 1999 .....	W	—	W	W	W	W
August 1998 .....	W	—	W	W	W	W
<b>Virginia</b>						
August 1999 .....	NA	W	42.1	W	42.5	W
July 1999 .....	NA	W	36.8	W	37.4	W
August 1998 .....	33.4	W	27.7	W	30.6	W
<b>West Virginia</b>						
August 1999 .....	W	—	—	—	W	—
July 1999 .....	W	—	—	—	W	—
August 1998 .....	W	W	—	—	W	W
<b>PAD District II</b>						
August 1999 .....	40.1	36.7	37.0	34.2	39.3	35.1
July 1999 .....	39.0	30.0	36.9	30.7	38.1	30.5
August 1998 .....	37.2	29.7	35.9	28.8	36.7	29.0
<b>Illinois</b>						
August 1999 .....	W	W	—	—	W	W
July 1999 .....	W	—	W	—	W	—
August 1998 .....	W	W	W	NA	W	NA
<b>Indiana</b>						
August 1999 .....	W	W	40.6	W	40.6	W
July 1999 .....	41.3	W	40.3	W	40.4	W
August 1998 .....	W	W	34.8	W	35.0	W
<b>Iowa</b>						
August 1999 .....	W	—	—	—	W	—
July 1999 .....	W	—	—	—	W	—
August 1998 .....	W	—	—	—	W	—
<b>Kansas</b>						
August 1999 .....	—	NA	W	W	W	W
July 1999 .....	—	NA	35.2	W	35.2	W
August 1998 .....	—	—	W	18.6	W	18.6
<b>Kentucky</b>						
August 1999 .....	W	—	—	—	W	—
July 1999 .....	W	—	—	—	W	—
August 1998 .....	W	—	—	W	W	W
<b>Michigan</b>						
August 1999 .....	39.3	W	41.0	W	39.6	NA
July 1999 .....	W	W	39.2	NA	41.1	32.4
August 1998 .....	36.7	W	41.0	W	37.3	W
<b>Minnesota</b>						
August 1999 .....	—	—	W	W	W	W
July 1999 .....	—	—	W	W	W	W
August 1998 .....	—	—	W	W	W	W
<b>Missouri</b>						
August 1999 .....	W	—	—	—	W	—
July 1999 .....	W	—	—	—	W	—
August 1998 .....	28.1	W	—	—	28.1	W

See footnotes at end of table.

**Table 42. Residual Fuel Oil Prices by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur 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
<b>Nebraska</b>						
August 1999 .....	W	W	-	-	W	W
July 1999 .....	W	W	-	-	W	W
August 1998 .....	W	-	-	-	W	-
<b>North Dakota</b>						
August 1999 .....	-	-	W	-	W	-
July 1999 .....	-	-	W	-	W	-
August 1998 .....	-	-	W	-	W	-
<b>Ohio</b>						
August 1999 .....	41.9	W	34.0	36.0	39.7	35.8
July 1999 .....	W	-	34.0	W	35.9	W
August 1998 .....	W	W	38.8	27.4	39.8	NA
<b>Oklahoma</b>						
August 1999 .....	-	-	W	W	W	W
July 1999 .....	-	-	W	W	W	W
August 1998 .....	-	-	W	W	W	W
<b>South Dakota</b>						
August 1999 .....	W	-	-	-	W	-
July 1999 .....	-	W	-	W	-	W
August 1998 .....	W	-	-	W	W	W
<b>Tennessee</b>						
August 1999 .....	W	-	W	W	W	W
July 1999 .....	W	-	W	W	33.4	W
August 1998 .....	W	W	W	W	W	W
<b>Wisconsin</b>						
August 1999 .....	33.6	W	-	W	33.6	W
July 1999 .....	33.5	W	-	W	33.5	W
August 1998 .....	W	W	W	W	W	W
<b>PAD District III</b>						
August 1999 .....	W	37.2	43.1	41.7	43.1	41.6
July 1999 .....	W	31.9	34.4	35.4	NA	35.2
August 1998 .....	-	23.9	25.9	25.0	25.9	24.7
<b>Alabama</b>						
August 1999 .....	W	W	46.8	W	46.8	W
July 1999 .....	W	-	NA	NA	NA	NA
August 1998 .....	-	W	NA	NA	NA	W
<b>Arkansas</b>						
August 1999 .....	-	-	W	-	W	-
July 1999 .....	-	-	W	-	W	-
August 1998 .....	-	-	W	-	W	-
<b>Louisiana</b>						
August 1999 .....	-	40.0	43.2	41.9	43.2	41.9
July 1999 .....	-	NA	36.7	33.9	36.7	33.9
August 1998 .....	-	25.0	25.6	25.7	25.6	25.7
<b>Mississippi</b>						
August 1999 .....	-	-	46.4	-	46.4	-
July 1999 .....	-	W	36.2	-	36.2	W
August 1998 .....	-	W	NA	27.8	NA	28.4
<b>New Mexico</b>						
August 1999 .....	-	W	-	-	-	W
July 1999 .....	-	-	-	-	-	-
August 1998 .....	-	NA	-	-	-	NA
<b>Texas</b>						
August 1999 .....	-	NA	41.7	40.8	41.7	40.5
July 1999 .....	-	NA	32.0	35.3	NA	35.1
August 1998 .....	-	22.1	25.1	23.9	25.1	23.3
<b>PAD District IV</b>						
August 1999 .....	NA	26.2	W	W	29.1	20.9
July 1999 .....	NA	24.3	W	W	29.6	20.4
August 1998 .....	W	W	W	W	27.0	21.4
<b>Colorado</b>						
August 1999 .....	W	-	-	-	W	-
July 1999 .....	W	-	-	-	W	-
August 1998 .....	W	-	-	-	W	-

See footnotes at end of table.

**Table 42. Residual Fuel Oil Prices by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur 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
<b>Idaho</b>						
August 1999 .....	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-
<b>Montana</b>						
August 1999 .....	NA	-	W	W	W	W
July 1999 .....	NA	-	W	W	W	W
August 1998 .....	-	-	W	W	W	W
<b>Utah</b>						
August 1999 .....	NA	W	-	-	NA	W
July 1999 .....	NA	NA	-	W	NA	W
August 1998 .....	NA	W	-	-	NA	W
<b>Wyoming</b>						
August 1999 .....	-	W	W	W	W	W
July 1999 .....	-	W	W	W	W	20.3
August 1998 .....	-	W	W	W	W	21.3
<b>PAD District V</b>						
August 1999 .....	46.0	36.6	42.8	39.6	43.6	38.6
July 1999 .....	W	30.6	35.0	35.5	36.8	34.6
August 1998 .....	34.3	26.7	25.7	26.5	27.2	26.5
<b>Alaska</b>						
August 1999 .....	-	-	-	W	-	W
July 1999 .....	-	-	-	W	-	W
August 1998 .....	-	-	-	-	-	-
<b>Arizona</b>						
August 1999 .....	-	W	-	-	-	W
July 1999 .....	-	W	-	-	-	W
August 1998 .....	-	W	-	-	-	W
<b>California</b>						
August 1999 .....	W	W	42.1	NA	42.1	36.5
July 1999 .....	W	W	33.9	36.3	33.9	33.8
August 1998 .....	W	26.5	25.9	28.4	25.9	27.4
<b>Hawaii</b>						
August 1999 .....	W	-	45.5	W	46.2	W
July 1999 .....	W	-	42.9	W	43.5	W
August 1998 .....	W	-	34.7	W	34.3	W
<b>Nevada</b>						
August 1999 .....	-	W	-	-	-	W
July 1999 .....	-	W	-	-	-	W
August 1998 .....	-	W	-	W	-	W
<b>Oregon</b>						
August 1999 .....	-	NA	47.0	47.6	47.0	50.1
July 1999 .....	-	NA	37.9	W	37.9	W
August 1998 .....	W	-	26.5	W	27.3	W
<b>Washington</b>						
August 1999 .....	W	NA	42.1	43.9	41.8	NA
July 1999 .....	NA	NA	34.6	W	34.6	33.6
August 1998 .....	W	-	23.8	24.4	23.9	24.4

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

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# **Volumes of Petroleum Products**

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

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
August 1999	43,079.2	44,816.0	49,328.5	153,357.5	26,801.5	229,487.5	9,669.5	9,913.1	W	16,012.8	W	26,695.5
July 1999	45,506.9	47,251.3	49,796.1	154,982.4	30,000.9	234,779.3	10,596.3	10,816.5	W	16,725.6	W	27,840.1
August 1998	44,053.5	45,591.8	44,747.0	144,334.3	35,881.7	224,963.0	10,569.5	10,737.3	W	16,933.9	W	28,133.7
<b>PAD District I</b>												
August 1999	11,114.4	11,943.3	17,328.3	44,959.7	NA	68,701.2	2,929.0	3,070.3	4,166.2	6,158.4	NA	10,336.3
July 1999	11,119.4	11,927.8	17,672.4	44,962.4	NA	72,031.1	3,023.1	3,155.1	4,330.5	6,365.4	NA	10,707.7
August 1998	10,582.4	11,071.1	16,031.0	44,610.8	7,734.9	68,376.8	2,920.6	2,999.2	4,170.0	6,747.0	-	10,916.9
<b>Subdistrict IA</b>												
August 1999	NA	NA	2,951.0	W	W	8,211.1	NA	NA	W	W	-	1,035.4
July 1999	NA	NA	W	4,629.0	W	8,739.1	NA	NA	NA	476.8	-	1,079.6
August 1998	509.0	516.6	W	4,793.4	W	9,074.4	146.9	147.0	627.8	567.7	-	1,195.5
<b>Connecticut</b>												
August 1999	W	W	NA	W	W	2,188.3	W	W	NA	131.1	-	304.4
July 1999	W	W	NA	W	W	2,370.1	W	W	NA	139.8	-	323.3
August 1998	W	W	837.0	W	W	2,333.5	W	W	W	W	-	336.3
<b>Maine</b>												
August 1999	-	-	W	W	-	1,011.1	-	-	W	W	-	96.8
July 1999	-	-	W	W	-	996.3	-	-	W	W	-	96.4
August 1998	-	-	W	1,119.1	W	1,853.7	-	-	W	W	-	140.0
<b>Massachusetts</b>												
August 1999	NA	NA	1,567.8	W	W	3,532.4	NA	NA	NA	150.7	-	449.8
July 1999	NA	NA	1,578.4	1,481.2	NA	NA	NA	NA	NA	153.2	-	463.4
August 1998	291.9	294.2	1,508.8	1,575.3	427.0	3,511.2	87.4	87.4	322.8	192.7	-	515.5
<b>New Hampshire</b>												
August 1999	NA	NA	181.0	145.4	-	326.4	NA	NA	W	W	-	53.2
July 1999	NA	NA	185.1	143.3	-	328.3	NA	NA	W	W	-	57.8
August 1998	69.5	69.5	179.5	94.8	-	274.3	17.6	17.6	35.8	11.5	-	47.3
<b>Rhode Island</b>												
August 1999	W	57.9	292.8	W	W	917.7	W	17.2	W	W	-	107.1
July 1999	W	45.5	295.5	561.7	NA	949.1	W	13.5	W	W	-	112.4
August 1998	W	W	275.2	624.0	-	899.2	W	W	58.9	69.1	-	128.1
<b>Vermont</b>												
August 1999	-	W	W	W	-	NA	-	W	W	W	-	NA
July 1999	-	W	W	W	-	NA	-	W	W	W	-	NA
August 1998	-	-	W	W	-	202.5	-	-	W	W	-	28.4
<b>Subdistrict IB</b>												
August 1999	3,975.1	4,115.9	9,771.8	W	W	28,286.6	919.3	945.3	W	W	NA	3,509.3
July 1999	3,991.4	4,134.1	10,053.5	13,603.2	7,820.5	31,477.1	947.7	971.9	2,168.8	1,516.9	NA	3,697.6
August 1998	3,721.2	3,835.9	W	13,757.9	W	28,804.3	912.4	928.3	2,116.1	1,638.3	-	3,754.4
<b>Delaware</b>												
August 1999	24.9	W	228.5	358.7	-	587.2	7.0	W	W	W	-	99.0
July 1999	22.5	W	238.9	364.5	-	603.4	6.3	W	45.5	59.8	-	105.3
August 1998	W	36.9	208.5	404.6	-	613.2	W	8.2	W	W	-	116.4
<b>District of Columbia</b>												
August 1999	-	W	125.6	-	-	125.6	-	W	66.1	-	-	66.1
July 1999	-	W	131.6	-	-	131.6	-	W	73.6	-	-	73.6
August 1998	-	5.8	109.1	-	-	109.1	-	W	NA	-	-	NA
<b>Maryland</b>												
August 1999	-	56.5	1,743.8	W	W	3,245.7	-	7.1	486.7	274.7	-	761.4
July 1999	-	51.8	1,759.3	1,493.9	6.2	3,259.3	-	5.8	504.9	284.8	-	789.7
August 1998	W	32.0	W	1,540.6	W	3,141.4	W	W	504.9	295.1	-	800.0
<b>New Jersey</b>												
August 1999	785.5	812.1	2,675.1	2,299.7	3,720.6	8,695.5	184.9	188.3	574.1	294.1	-	868.1
July 1999	781.1	809.2	2,747.9	2,351.2	6,110.6	11,209.6	189.9	193.3	604.9	295.3	-	900.2
August 1998	875.4	894.1	2,559.2	2,447.4	4,634.8	9,641.4	223.7	226.9	555.3	354.1	-	909.4
<b>New York</b>												
August 1999	1,497.7	1,528.0	3,043.3	3,944.2	352.7	7,340.2	255.4	268.8	589.6	258.3	NA	859.6
July 1999	1,507.1	1,542.8	NA	4,113.9	242.9	7,414.0	260.2	272.8	598.3	280.8	NA	891.0
August 1998	1,442.4	1,470.8	2,784.8	4,280.2	NA	7,383.6	264.6	269.8	610.3	292.7	-	903.1
<b>Pennsylvania</b>												
August 1999	1,666.9	1,683.4	1,955.4	W	W	8,292.4	471.9	472.7	304.5	550.5	-	855.0
July 1999	1,680.8	1,697.1	2,118.7	5,279.7	NA	8,859.2	491.3	492.1	341.6	596.2	-	937.8
August 1998	1,375.0	1,396.3	1,941.8	5,085.1	888.7	7,915.6	415.3	415.9	W	W	-	956.6

See footnotes at end of table.

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

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
August 1999	8,470.3	8,806.4	W	30,951.5	W	51,499.9	61,219.0	63,535.5	75,945.5	200,321.9	31,415.5	307,683.0
July 1999	9,627.3	9,969.3	W	32,528.2	W	54,907.4	65,730.5	68,037.1	77,820.9	204,236.3	35,469.6	317,526.8
August 1998	10,223.3	10,522.5	W	32,964.5	W	55,277.1	64,846.2	66,851.6	73,771.1	194,232.8	40,370.0	308,373.8
<b>PAD District I</b>												
August 1999	2,998.9	3,200.9	8,003.8	11,995.2	NA	21,389.8	17,042.3	18,214.5	29,498.3	63,113.3	NA	100,427.3
July 1999	3,239.0	3,447.3	8,534.7	12,538.2	1,269.6	22,342.5	17,381.5	18,530.1	30,537.5	63,865.9	NA	105,081.3
August 1998	3,553.7	3,663.8	9,005.8	13,245.0	1,056.4	23,307.3	17,056.7	17,734.1	29,206.8	64,602.8	8,791.4	102,601.0
<b>Subdistrict IA</b>												
August 1999	NA	NA	851.0	1,027.1	NA	1,986.9	NA	NA	W	6,127.4	W	11,233.4
July 1999	NA	NA	474.2	1,082.3	W	2,112.2	NA	NA	4,508.6	6,188.2	NA	11,930.9
August 1998	176.3	176.3	W	1,209.4	W	2,506.2	832.2	839.9	4,538.1	6,570.5	1,667.5	12,776.1
<b>Connecticut</b>												
August 1999	W	W	NA	W	W	603.2	W	W	NA	1,707.1	NA	3,095.8
July 1999	W	W	NA	W	W	654.2	W	W	NA	1,764.8	266.7	3,347.6
August 1998	W	W	W	W	W	776.8	W	W	1,353.1	W	W	3,446.6
<b>Maine</b>												
August 1999	-	-	W	W	-	163.2	-	-	W	W	-	1,271.1
July 1999	-	-	W	W	-	172.9	-	-	W	W	-	1,265.6
August 1998	-	-	W	W	W	301.4	-	-	W	1,473.4	W	2,295.1
<b>Massachusetts</b>												
August 1999	NA	NA	444.6	W	W	885.5	NA	NA	2,311.5	2,007.4	NA	4,867.7
July 1999	NA	NA	474.2	369.6	NA	931.1	NA	NA	2,362.8	2,004.0	NA	NA
August 1998	100.4	100.4	534.4	423.4	90.2	1,048.0	479.6	481.9	2,366.1	2,191.4	517.2	5,074.7
<b>New Hampshire</b>												
August 1999	NA	NA	W	W	-	62.2	NA	NA	W	W	-	441.7
July 1999	NA	NA	W	W	-	66.9	NA	NA	W	W	-	453.0
August 1998	21.0	21.0	47.3	16.5	-	63.8	108.1	108.1	262.7	122.7	-	385.5
<b>Rhode Island</b>												
August 1999	W	13.2	80.5	148.8	-	229.3	W	88.3	W	773.5	W	1,254.1
July 1999	W	10.5	W	W	-	240.4	W	69.5	438.2	771.7	NA	1,301.8
August 1998	W	W	92.5	177.5	-	270.0	W	W	426.7	870.6	-	1,297.3
<b>Vermont</b>												
August 1999	-	W	W	W	-	NA	-	W	W	W	-	NA
July 1999	-	W	W	W	-	NA	-	W	W	W	-	NA
August 1998	-	-	W	W	-	46.1	-	-	W	W	-	276.9
<b>Subdistrict IB</b>												
August 1999	1,018.6	1,113.6	4,763.2	3,288.4	NA	9,194.3	5,912.9	6,174.8	W	17,970.9	W	40,990.3
July 1999	1,101.3	1,201.0	5,124.5	3,563.6	1,061.4	9,749.5	6,040.4	6,306.9	17,346.8	18,683.7	8,893.7	44,924.2
August 1998	1,233.4	1,254.3	W	3,828.5	W	10,022.5	5,866.9	6,018.5	16,727.7	19,224.7	6,628.7	42,581.2
<b>Delaware</b>												
August 1999	6.6	W	55.9	77.0	-	132.9	38.6	46.3	W	W	-	819.1
July 1999	6.9	W	62.6	83.8	-	146.4	35.7	42.5	347.0	508.1	-	855.1
August 1998	W	9.8	W	W	-	162.6	W	54.9	W	W	-	892.2
<b>District of Columbia</b>												
August 1999	-	W	121.3	-	-	121.3	-	7.9	313.1	-	-	313.1
July 1999	-	W	139.6	-	-	139.6	-	8.5	344.8	-	-	344.8
August 1998	-	W	W	W	-	NA	-	9.2	W	W	-	NA
<b>Maryland</b>												
August 1999	-	6.6	690.7	W	W	1,142.9	-	70.2	2,921.2	W	W	5,150.0
July 1999	-	9.8	746.9	455.3	82.3	1,284.5	-	67.4	3,011.0	2,234.0	88.5	5,333.5
August 1998	W	W	809.9	480.8	-	1,290.7	W	45.3	W	2,316.5	W	5,232.1
<b>New Jersey</b>												
August 1999	290.6	295.1	1,473.2	815.1	475.2	2,763.5	1,261.1	1,295.5	4,722.4	3,408.9	4,195.8	12,327.1
July 1999	313.9	319.2	1,585.8	854.2	NA	2,772.0	1,284.9	1,321.6	4,938.5	3,500.7	6,442.6	14,881.9
August 1998	406.4	411.6	1,601.2	965.5	433.4	3,000.1	1,505.5	1,532.7	4,715.6	3,767.1	5,068.2	13,550.9
<b>New York</b>												
August 1999	357.2	437.0	1,826.8	921.6	268.2	3,016.6	2,110.3	2,233.8	5,459.7	5,124.1	632.6	11,216.4
July 1999	377.8	458.3	1,930.4	1,034.3	270.2	3,234.9	2,145.1	2,273.9	5,585.9	5,429.0	525.0	11,539.8
August 1998	439.8	444.1	2,108.2	1,090.9	81.4	3,280.4	2,146.8	2,184.7	5,503.3	5,663.8	400.0	11,567.1
<b>Pennsylvania</b>												
August 1999	364.2	365.2	595.3	W	W	2,017.1	2,503.0	2,521.3	2,855.1	6,736.2	NA	11,164.5
July 1999	402.7	403.6	659.2	1,136.0	NA	2,172.1	2,574.7	2,592.9	3,119.5	7,011.9	NA	11,969.1
August 1998	378.2	379.6	711.6	W	W	2,137.9	2,168.5	2,191.7	W	6,897.8	W	11,010.2

See footnotes at end of table.

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

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
August 1999 .....	6,627.8	7,306.3	4,605.6	27,069.8	NA	32,203.5	1,879.0	1,993.9	1,526.1	4,265.4	—	5,791.5
July 1999 .....	6,632.4	7,289.8	W	26,730.1	W	31,814.9	1,945.3	2,052.5	1,558.8	4,371.6	—	5,930.5
August 1998 .....	6,352.2	6,718.6	W	26,059.5	W	30,498.1	1,861.4	1,923.9	1,426.1	4,541.0	—	5,967.1
<b>Florida</b>												
August 1999 .....	3,021.8	3,171.0	2,331.8	6,405.7	NA	8,942.9	847.3	866.2	788.7	1,130.2	—	1,918.8
July 1999 .....	2,971.2	3,112.7	2,419.7	6,373.6	NA	9,057.3	866.6	884.9	808.1	1,193.6	—	2,001.7
August 1998 .....	2,791.6	2,904.6	2,175.0	W	W	8,321.6	832.3	855.7	W	W	—	1,971.0
<b>Georgia</b>												
August 1999 .....	1,211.1	1,305.0	W	5,889.4	W	6,731.5	383.6	402.8	262.1	756.6	—	1,018.7
July 1999 .....	1,260.1	1,340.2	641.7	5,746.5	NA	6,548.2	408.5	425.8	W	W	—	1,014.5
August 1998 .....	1,293.3	1,363.1	501.1	5,583.1	—	6,084.1	412.3	432.8	217.1	772.4	—	989.5
<b>North Carolina</b>												
August 1999 .....	628.7	890.5	NA	W	W	7,240.5	181.0	235.3	W	W	—	1,216.8
July 1999 .....	624.4	894.4	NA	6,856.1	NA	6,889.2	182.7	232.1	NA	1,202.1	—	1,214.8
August 1998 .....	541.5	635.6	W	W	—	6,588.1	159.7	163.3	W	W	—	1,244.2
<b>South Carolina</b>												
August 1999 .....	634.4	749.8	W	3,057.7	W	3,283.5	172.8	181.3	W	W	—	483.6
July 1999 .....	651.4	765.9	163.7	3,076.3	—	3,240.0	184.4	193.2	W	W	—	499.8
August 1998 .....	598.9	639.6	W	3,122.4	W	3,263.2	157.4	164.8	W	W	—	541.3
<b>Virginia</b>												
August 1999 .....	NA	NA	1,350.1	W	W	5,664.2	NA	202.2	423.0	684.1	—	1,107.1
July 1999 .....	NA	NA	1,348.4	W	W	5,714.1	NA	208.5	W	W	—	1,148.7
August 1998 .....	691.9	731.7	1,127.9	W	W	5,860.7	191.6	197.2	367.6	785.8	—	1,153.5
<b>West Virginia</b>												
August 1999 .....	437.5	446.5	W	W	—	340.9	103.9	106.1	W	W	—	46.4
July 1999 .....	427.0	434.4	W	W	—	366.0	106.5	108.1	W	W	—	51.0
August 1998 .....	435.0	443.9	W	W	—	380.3	108.1	110.0	W	W	—	67.7
<b>PAD District II</b>												
August 1999 .....	12,874.5	13,322.1	8,636.3	58,724.7	4,788.4	72,149.3	2,517.8	2,583.4	2,118.6	4,762.6	—	6,881.2
July 1999 .....	13,482.5	13,960.9	8,826.6	59,929.7	3,393.9	72,150.2	2,736.4	2,785.2	2,266.0	4,984.3	—	7,250.3
August 1998 .....	15,094.6	15,570.9	7,167.7	53,274.3	5,643.5	66,085.5	3,038.9	3,073.4	1,910.2	4,713.9	—	6,624.1
<b>Illinois</b>												
August 1999 .....	1,395.7	1,413.7	W	5,965.9	W	9,256.2	336.7	338.0	639.3	565.0	—	1,204.3
July 1999 .....	1,530.8	1,549.8	W	5,991.3	W	8,062.9	373.2	374.6	687.1	571.7	—	1,258.7
August 1998 .....	2,251.2	2,266.2	W	5,237.4	W	8,507.7	527.6	528.5	579.0	557.5	—	1,136.5
<b>Indiana</b>												
August 1999 .....	1,160.0	1,174.2	W	4,612.7	W	5,450.0	233.6	233.6	157.5	460.3	—	617.8
July 1999 .....	1,188.8	1,204.3	W	4,522.4	W	5,340.3	246.1	246.1	165.5	477.1	—	642.6
August 1998 .....	1,310.0	1,333.3	W	4,173.2	W	5,140.6	269.5	270.0	155.5	476.1	—	631.5
<b>Iowa</b>												
August 1999 .....	W	120.4	W	W	—	3,182.9	W	W	W	W	—	456.1
July 1999 .....	W	121.2	W	W	—	3,500.8	W	W	W	W	—	491.6
August 1998 .....	W	136.9	NA	3,000.6	—	3,068.8	W	W	NA	325.8	—	347.9
<b>Kansas</b>												
August 1999 .....	419.7	433.6	W	2,703.0	W	3,431.5	51.1	51.2	W	W	—	86.4
July 1999 .....	403.7	417.3	W	W	629.2	3,510.4	49.4	49.6	W	W	—	90.6
August 1998 .....	465.6	479.4	NA	W	W	3,161.7	51.5	51.5	W	W	—	70.5
<b>Kentucky</b>												
August 1999 .....	555.1	606.8	154.0	3,458.8	—	3,612.8	W	120.8	W	W	—	447.1
July 1999 .....	539.7	596.0	162.0	3,575.4	—	3,737.3	121.3	122.5	W	W	—	457.9
August 1998 .....	592.9	635.2	126.5	W	W	3,231.2	137.1	140.3	W	W	—	449.5
<b>Michigan</b>												
August 1999 .....	1,762.7	1,841.2	2,193.1	W	W	9,653.6	260.7	273.2	W	W	—	725.3
July 1999 .....	1,854.8	1,940.0	2,241.1	W	W	9,652.4	283.4	284.2	W	W	—	786.6
August 1998 .....	2,548.4	2,661.6	1,641.8	5,885.0	—	7,526.8	378.8	381.1	385.1	325.8	—	710.9
<b>Minnesota</b>												
August 1999 .....	977.9	981.1	W	3,542.5	W	4,219.6	157.2	158.0	W	W	—	767.9
July 1999 .....	992.1	1,000.7	W	3,734.2	W	4,351.5	165.7	166.6	W	W	—	812.7
August 1998 .....	889.5	903.2	W	3,431.4	W	4,085.8	159.0	159.0	W	W	—	585.5
<b>Missouri</b>												
August 1999 .....	565.5	592.2	W	4,313.3	W	4,834.5	NA	NA	W	W	—	263.5
July 1999 .....	723.6	752.1	W	4,452.4	W	4,980.3	135.7	137.4	W	W	—	284.0
August 1998 .....	660.1	675.1	331.3	4,156.7	—	4,488.0	126.3	126.8	NA	106.2	—	202.7

See footnotes at end of table.

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

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
August 1999 .....	1,844.8	1,951.7	2,389.6	7,679.7	139.3	10,208.6	10,351.6	11,251.9	8,521.3	39,015.0	667.3	48,203.6
July 1999 .....	1,994.8	2,103.2	W	7,892.3	W	10,480.9	10,572.5	11,445.5	8,682.2	38,994.1	NA	48,226.2
August 1998 .....	2,144.1	2,233.2	W	8,207.1	W	10,778.5	10,357.6	10,875.6	7,941.0	38,807.5	NA	47,243.7
<b>Florida</b>												
August 1999 .....	995.0	1,016.9	W	1,833.4	W	3,286.1	4,864.1	5,054.1	W	9,369.3	W	14,147.8
July 1999 .....	1,063.0	1,086.8	1,427.9	1,924.4	NA	3,352.4	4,900.8	5,084.5	4,655.7	9,491.6	NA	14,411.4
August 1998 .....	1,128.4	1,151.1	1,553.8	1,973.0	—	3,526.8	4,752.3	4,911.4	W	9,128.8	W	13,819.5
<b>Georgia</b>												
August 1999 .....	318.9	343.5	W	1,599.7	W	1,942.6	1,913.6	2,051.4	1,265.5	8,245.7	181.6	9,692.8
July 1999 .....	353.6	374.3	W	W	W	1,974.1	2,022.2	2,140.2	W	8,129.8	W	9,536.8
August 1998 .....	411.4	435.5	NA	1,670.5	—	1,944.9	2,117.0	2,231.5	992.6	8,025.9	—	9,018.5
<b>North Carolina</b>												
August 1999 .....	143.0	158.4	W	W	—	2,164.5	952.7	1,284.2	NA	W	W	10,621.8
July 1999 .....	151.8	167.6	NA	2,070.9	—	2,080.8	958.9	1,294.1	NA	10,129.2	NA	10,184.8
August 1998 .....	159.4	177.2	W	W	—	2,154.6	860.6	976.1	W	W	—	9,986.8
<b>South Carolina</b>												
August 1999 .....	128.0	159.7	W	W	—	866.9	935.2	1,090.8	W	4,330.0	W	4,634.0
July 1999 .....	145.8	180.8	44.2	877.7	—	921.9	981.5	1,139.8	W	W	—	4,661.7
August 1998 .....	143.6	155.4	W	W	—	964.4	899.8	959.8	W	4,576.6	W	4,768.9
<b>Virginia</b>												
August 1999 .....	205.7	217.9	651.6	W	W	1,870.9	NA	NA	2,424.6	6,108.3	109.3	8,642.2
July 1999 .....	221.9	234.1	691.8	W	W	2,072.7	NA	NA	W	6,366.2	W	8,935.5
August 1998 .....	234.0	245.1	664.4	W	W	2,096.5	1,117.5	1,174.1	2,159.9	6,651.8	NA	9,110.7
<b>West Virginia</b>												
August 1999 .....	54.2	55.2	W	W	—	77.6	595.5	607.7	W	W	—	464.9
July 1999 .....	58.7	59.5	W	W	—	79.0	592.2	602.0	W	W	—	496.0
August 1998 .....	67.3	68.8	W	W	—	91.3	610.4	622.7	W	W	—	539.3
<b>PAD District II</b>												
August 1999 .....	1,899.3	1,967.4	2,299.5	9,279.0	NA	12,023.0	17,291.5	17,872.8	13,054.3	72,766.3	5,232.9	91,053.5
July 1999 .....	2,171.7	2,251.1	2,465.2	9,709.5	NA	12,546.8	18,390.5	18,997.2	13,557.8	74,623.5	3,766.1	91,947.4
August 1998 .....	2,578.9	2,650.2	2,201.5	9,437.9	381.2	12,020.5	20,712.4	21,294.4	11,279.4	67,426.0	6,024.7	84,730.1
<b>Illinois</b>												
August 1999 .....	291.9	293.1	W	1,010.1	W	1,748.4	2,024.3	2,044.8	3,092.7	7,541.0	1,575.1	12,208.8
July 1999 .....	333.1	334.5	W	994.3	W	1,778.2	2,237.0	2,258.9	3,249.0	7,557.3	293.5	11,099.8
August 1998 .....	502.6	506.8	W	930.8	W	1,701.7	3,281.4	3,301.5	2,776.2	6,725.7	1,844.1	11,345.9
<b>Indiana</b>												
August 1999 .....	161.9	162.0	W	773.5	W	1,012.9	1,555.5	1,569.8	1,026.6	5,846.5	207.7	7,080.8
July 1999 .....	181.3	181.4	W	799.2	W	1,086.1	1,616.2	1,631.8	1,062.9	5,798.7	207.5	7,069.0
August 1998 .....	223.2	223.3	W	813.4	W	1,050.9	1,802.7	1,826.5	972.2	5,462.6	388.2	6,823.1
<b>Iowa</b>												
August 1999 .....	11.2	W	W	W	—	239.9	127.8	136.3	W	W	—	3,878.8
July 1999 .....	11.7	W	W	W	—	269.5	130.9	138.0	W	W	—	4,261.9
August 1998 .....	13.9	W	NA	238.6	—	253.3	154.3	157.1	NA	3,565.0	—	3,670.0
<b>Kansas</b>												
August 1999 .....	53.4	54.4	W	W	W	354.0	524.2	539.2	W	3,069.0	W	3,871.9
July 1999 .....	52.1	53.0	W	344.0	W	389.2	505.3	519.9	W	3,157.3	W	3,990.2
August 1998 .....	60.6	61.9	NA	W	W	418.9	577.6	592.7	W	2,779.1	W	3,651.1
<b>Kentucky</b>												
August 1999 .....	W	91.5	W	W	—	784.5	747.5	819.0	216.3	4,628.1	—	4,844.4
July 1999 .....	78.8	98.5	W	W	—	845.7	739.8	817.0	233.3	4,807.7	—	5,041.0
August 1998 .....	109.4	115.6	W	W	—	780.5	839.4	891.1	W	4,179.2	W	4,461.3
<b>Michigan</b>												
August 1999 .....	168.7	181.0	473.9	1,089.8	—	1,563.7	2,192.1	2,295.4	W	8,854.3	W	11,942.5
July 1999 .....	196.1	206.8	506.5	1,118.0	NA	1,625.1	2,334.3	2,431.1	W	8,855.2	W	12,064.1
August 1998 .....	303.3	326.1	411.6	1,047.0	—	1,458.6	3,230.5	3,368.8	2,438.5	7,257.9	—	9,696.4
<b>Minnesota</b>												
August 1999 .....	102.9	102.9	W	W	—	453.6	1,238.0	1,241.9	W	4,616.5	W	5,441.2
July 1999 .....	114.3	114.3	W	W	W	535.1	1,272.1	1,281.6	W	4,907.6	W	5,699.4
August 1998 .....	110.2	110.4	W	W	W	609.3	1,158.7	1,172.6	W	4,421.8	W	5,280.6
<b>Missouri</b>												
August 1999 .....	75.0	76.0	W	W	—	794.5	741.3	770.5	W	5,092.9	W	5,892.5
July 1999 .....	104.3	105.5	W	W	W	851.2	963.6	995.0	W	5,277.4	W	6,115.5
August 1998 .....	104.0	104.5	94.6	641.6	—	736.2	890.5	906.4	522.3	4,904.6	—	5,426.9

See footnotes at end of table.

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

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
August 1999	47.2	54.4	W	W	—	1,948.9	W	W	W	W	—	91.2
July 1999	46.8	54.1	W	W	—	1,987.9	W	W	W	W	—	88.7
August 1998	54.2	55.7	NA	1,624.0	—	1,721.3	W	W	NA	86.1	—	102.9
<b>North Dakota</b>												
August 1999	W	6.2	W	W	—	1,081.9	W	W	W	W	—	64.7
July 1999	W	4.4	W	W	—	1,083.6	W	W	W	W	—	74.4
August 1998	W	3.1	NA	857.2	—	904.2	W	W	NA	33.6	—	NA
<b>Ohio</b>												
August 1999	3,636.0	3,778.9	W	5,214.1	W	7,156.3	798.0	NA	347.0	456.0	—	803.0
July 1999	3,609.1	3,753.8	1,893.1	W	W	7,265.0	838.5	854.3	W	W	—	855.4
August 1998	3,854.8	4,019.4	1,759.1	W	W	7,329.0	913.5	940.1	W	W	—	876.0
<b>Oklahoma</b>												
August 1999	581.1	610.5	W	3,443.3	W	5,293.2	113.9	130.5	W	W	—	37.5
July 1999	806.0	836.0	W	3,363.7	W	5,389.8	163.7	180.3	W	W	—	41.3
August 1998	674.4	703.4	W	W	2,085.4	4,809.8	122.8	122.9	W	W	—	45.3
<b>South Dakota</b>												
August 1999	5.5	6.0	19.3	1,058.9	—	1,078.2	W	W	W	W	—	52.1
July 1999	6.4	6.7	23.4	1,141.0	—	1,164.4	W	W	W	W	—	61.2
August 1998	8.2	9.6	29.6	1,011.1	—	1,040.7	W	W	NA	60.6	—	68.5
<b>Tennessee</b>												
August 1999	1,188.1	1,227.2	W	5,915.6	W	6,441.7	275.9	286.1	W	W	—	955.5
July 1999	1,167.7	1,207.8	272.5	6,101.8	—	6,374.4	282.6	292.8	107.8	892.3	—	1,000.1
August 1998	1,022.8	1,055.9	120.8	5,696.2	—	5,817.0	252.1	252.4	64.1	963.7	—	1,027.8
<b>Wisconsin</b>												
August 1999	465.3	475.9	W	W	—	5,507.8	61.6	61.6	W	W	—	309.0
July 1999	495.5	516.6	W	W	—	5,749.3	67.7	67.7	W	W	—	304.5
August 1998	625.9	633.0	W	4,970.3	W	5,252.7	88.4	88.4	W	W	—	322.8
<b>PAD District III</b>												
August 1999	6,576.4	6,752.6	1,442.7	30,117.8	10,567.3	42,127.8	1,598.2	1,617.0	418.9	3,363.6	—	3,782.5
July 1999	7,210.2	7,388.6	1,391.9	30,183.5	12,958.2	44,533.6	1,841.3	1,855.2	418.1	3,516.2	—	3,934.3
August 1998	6,642.3	6,902.1	1,747.1	27,900.8	17,505.1	47,153.0	1,753.0	1,770.2	511.2	3,444.2	—	3,955.3
<b>Alabama</b>												
August 1999	224.1	302.4	102.0	3,488.5	—	3,590.5	NA	NA	32.3	582.8	—	615.0
July 1999	248.1	291.9	101.5	3,585.6	—	3,687.2	NA	NA	32.7	603.6	—	636.4
August 1998	254.1	284.2	80.0	3,501.1	—	3,581.1	73.9	79.8	28.0	496.5	—	524.6
<b>Arkansas</b>												
August 1999	NA	NA	—	W	W	2,925.8	NA	NA	—	238.8	—	238.8
July 1999	NA	NA	—	W	W	2,904.4	NA	NA	—	250.2	—	250.2
August 1998	164.9	167.1	W	2,582.2	W	2,742.2	33.4	33.4	W	W	—	324.2
<b>Louisiana</b>												
August 1999	737.8	751.3	206.3	3,304.8	1,158.8	4,669.9	210.3	210.4	77.0	402.2	—	479.3
July 1999	778.5	792.6	205.2	3,092.7	2,144.6	5,442.4	225.9	226.1	78.5	412.4	—	490.9
August 1998	712.0	729.1	215.4	W	W	4,814.3	216.6	216.6	88.6	461.3	—	549.9
<b>Mississippi</b>												
August 1999	125.9	168.2	W	2,435.1	W	3,474.9	23.8	29.5	W	W	—	352.9
July 1999	135.7	158.1	W	2,361.1	W	3,300.8	28.1	32.2	W	W	—	346.9
August 1998	100.5	114.9	4.6	2,433.8	827.3	3,265.7	24.2	27.1	W	W	—	351.7
<b>New Mexico</b>												
August 1999	441.6	442.4	W	W	—	1,586.8	75.6	75.6	W	W	—	86.9
July 1999	458.6	459.9	W	W	—	1,646.8	87.1	87.1	W	W	—	95.8
August 1998	449.7	454.0	W	W	—	1,514.7	89.8	89.8	W	W	—	104.3
<b>Texas</b>												
August 1999	4,919.5	4,957.8	1,046.8	16,669.2	8,163.8	25,879.8	1,208.1	1,211.4	299.9	1,709.8	—	2,009.7
July 1999	5,438.2	5,532.0	1,005.2	16,899.4	9,647.4	27,552.0	1,402.4	1,404.8	297.6	1,816.4	—	2,114.1
August 1998	4,961.1	5,152.7	1,309.5	15,030.3	14,895.2	31,235.0	1,315.1	1,323.4	377.5	1,723.1	—	2,100.6
<b>PAD District IV</b>												
August 1999	1,601.8	1,631.7	809.0	W	W	7,768.5	513.6	515.2	W	W	—	783.6
July 1999	2,334.9	2,363.9	861.9	W	W	8,006.5	736.1	738.6	W	W	—	877.0
August 1998	1,946.2	2,053.3	760.4	6,176.1	—	6,936.5	647.3	656.3	W	W	—	855.4
<b>Colorado</b>												
August 1999	1,156.9	1,160.1	269.6	W	W	2,773.3	362.6	363.1	W	W	—	332.8
July 1999	1,828.7	1,832.1	W	2,413.6	W	2,758.8	566.4	566.9	W	W	—	399.9
August 1998	1,339.6	1,343.4	NA	2,064.3	—	2,203.2	474.1	474.4	NA	317.1	—	381.7

See footnotes at end of table.

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

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
August 1999 .....	W	W	W	W	—	182.6	54.3	61.5	W	W	—	2,222.6
July 1999 .....	W	W	W	W	—	181.3	54.1	61.4	W	W	—	2,258.0
August 1998 .....	W	W	NA	134.5	—	154.2	62.4	63.9	NA	1,844.6	—	1,978.3
<b>North Dakota</b>												
August 1999 .....	W	W	W	W	—	60.5	W	6.6	W	W	—	1,207.2
July 1999 .....	W	W	W	W	—	69.6	W	4.9	W	W	—	1,227.6
August 1998 .....	W	W	NA	51.7	—	59.1	W	3.6	NA	942.5	—	1,008.9
<b>Ohio</b>												
August 1999 .....	NA	NA	W	817.2	W	1,247.4	4,899.9	5,086.5	2,607.3	6,487.3	NA	9,206.6
July 1999 .....	506.9	530.5	417.1	904.1	NA	1,321.2	4,954.5	5,138.6	W	6,649.9	W	9,441.5
August 1998 .....	602.4	626.8	438.1	953.2	—	1,391.3	5,370.7	5,586.3	W	6,526.9	W	9,596.3
<b>Oklahoma</b>												
August 1999 .....	104.3	109.0	W	W	NA	1,017.9	799.2	849.9	W	4,148.7	W	6,348.7
July 1999 .....	160.0	175.3	W	W	NA	845.2	1,129.7	1,191.5	W	3,997.6	W	6,276.3
August 1998 .....	127.4	132.9	W	538.7	W	654.8	924.6	959.2	W	3,253.9	W	5,510.0
<b>South Dakota</b>												
August 1999 .....	0.5	W	W	W	—	116.4	W	10.2	34.3	1,212.4	—	1,246.7
July 1999 .....	0.5	W	W	W	—	99.2	W	10.8	38.1	1,286.7	—	1,324.8
August 1998 .....	0.8	W	5.4	90.5	—	95.9	W	15.2	42.8	1,162.3	—	1,205.1
<b>Tennessee</b>												
August 1999 .....	NA	NA	W	W	—	1,767.8	1,801.6	1,855.5	W	8,408.3	W	9,165.0
July 1999 .....	372.0	375.3	143.1	1,751.2	—	1,894.3	1,822.4	1,875.9	523.4	8,745.3	—	9,268.7
August 1998 .....	339.7	345.0	68.1	1,832.6	—	1,900.7	1,614.6	1,653.3	253.0	8,492.5	—	8,745.5
<b>Wisconsin</b>												
August 1999 .....	46.6	48.1	W	W	—	678.9	573.5	585.5	W	W	—	6,495.7
July 1999 .....	54.2	56.3	W	W	—	755.9	617.4	640.6	W	W	—	6,809.7
August 1998 .....	74.2	74.7	W	W	W	755.2	788.5	796.1	W	5,907.4	W	6,330.7
<b>PAD District III</b>												
August 1999 .....	1,484.8	1,513.1	520.9	6,375.4	2,226.2	9,122.4	9,659.4	9,882.7	2,382.5	39,856.8	12,793.5	55,032.7
July 1999 .....	1,739.0	1,757.3	536.9	6,753.6	3,176.6	10,467.1	10,790.5	11,001.0	2,346.9	40,453.4	16,134.8	58,935.0
August 1998 .....	1,702.3	1,758.0	725.6	6,635.0	2,020.5	9,381.2	10,097.5	10,430.4	2,983.8	37,980.0	19,525.6	60,489.5
<b>Alabama</b>												
August 1999 .....	NA	NA	39.5	1,013.5	—	1,053.0	330.8	431.3	173.7	5,084.8	—	5,258.5
July 1999 .....	NA	NA	41.1	1,099.2	—	1,140.3	378.3	NA	175.3	5,288.5	—	5,463.8
August 1998 .....	67.2	75.6	34.5	1,157.2	—	1,191.7	395.2	439.7	142.6	5,154.8	—	5,297.4
<b>Arkansas</b>												
August 1999 .....	NA	NA	—	W	W	675.6	NA	NA	—	3,485.3	355.0	3,840.2
July 1999 .....	NA	NA	—	W	W	827.5	NA	NA	—	3,511.8	470.3	3,982.1
August 1998 .....	31.5	31.5	W	W	W	731.4	229.7	231.9	W	3,517.3	W	3,797.9
<b>Louisiana</b>												
August 1999 .....	186.0	188.9	117.3	835.5	634.6	1,587.5	1,134.0	1,150.5	400.6	4,542.5	1,793.5	6,736.6
July 1999 .....	203.9	207.0	124.0	854.8	1,074.5	2,053.3	1,208.3	1,225.7	407.6	4,359.9	3,219.0	7,986.6
August 1998 .....	198.4	202.1	152.2	W	W	1,488.3	1,127.0	1,147.8	456.2	4,308.6	2,087.6	6,852.4
<b>Mississippi</b>												
August 1999 .....	21.0	29.7	W	634.2	W	774.8	170.7	227.3	W	W	1,173.5	4,602.5
July 1999 .....	25.5	29.9	W	655.9	W	751.3	189.4	220.2	W	W	1,028.1	4,399.0
August 1998 .....	21.4	24.8	W	693.1	W	790.9	146.0	166.8	8.0	W	W	4,408.4
<b>New Mexico</b>												
August 1999 .....	51.2	51.4	W	W	—	280.0	568.5	569.5	W	W	—	1,953.7
July 1999 .....	58.1	58.3	W	W	—	297.8	603.8	605.3	W	W	—	2,040.5
August 1998 .....	60.8	61.1	W	W	—	288.7	600.3	605.0	W	W	—	1,907.7
<b>Texas</b>												
August 1999 .....	1,160.9	1,164.8	351.8	3,092.1	1,307.7	4,751.6	7,288.4	7,334.0	1,698.5	21,471.1	9,471.5	32,641.1
July 1999 .....	1,367.6	1,369.6	356.1	3,270.8	1,770.0	5,397.0	8,208.2	8,306.5	1,659.0	21,986.7	11,417.4	35,063.1
August 1998 .....	1,323.1	1,363.0	511.5	3,002.9	1,375.7	4,890.1	7,599.3	7,839.1	2,198.5	19,756.3	16,270.9	38,225.7
<b>PAD District IV</b>												
August 1999 .....	318.5	330.8	W	1,462.2	W	1,641.3	2,433.9	2,477.7	W	8,996.9	W	10,193.5
July 1999 .....	540.2	549.9	W	1,597.8	W	1,793.0	3,611.2	3,652.4	W	9,398.8	W	10,676.5
August 1998 .....	425.3	454.3	W	W	—	1,676.4	3,018.8	3,163.9	1,131.1	8,337.2	—	9,468.3
<b>Colorado</b>												
August 1999 .....	238.2	239.0	W	505.7	W	571.0	1,757.7	1,762.2	W	3,203.0	W	3,677.0
July 1999 .....	444.5	444.6	W	W	W	623.6	2,839.5	2,843.6	W	3,284.6	W	3,782.4
August 1998 .....	310.6	311.8	NA	456.4	—	509.9	2,124.3	2,129.5	NA	2,837.8	—	3,094.7

See footnotes at end of table.

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

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Idaho</b>												
August 1999 .....	55.5	60.1	W	W	—	1,105.8	8.0	8.0	W	W	—	122.4
July 1999 .....	106.6	110.7	W	W	—	1,255.3	13.3	13.3	W	W	—	129.6
August 1998 .....	104.9	120.3	193.8	1,032.6	—	1,226.4	12.7	13.3	W	W	—	141.7
<b>Montana</b>												
August 1999 .....	W	16.5	W	W	—	1,425.2	W	W	—	W	—	W
July 1999 .....	W	16.3	—	1,419.2	—	1,419.2	W	W	—	45.0	—	45.0
August 1998 .....	W	16.7	—	1,244.3	—	1,244.3	W	W	—	W	—	W
<b>Utah</b>												
August 1999 .....	331.5	350.8	416.3	1,389.4	—	1,805.7	133.8	134.8	W	W	—	278.8
July 1999 .....	336.5	355.5	431.0	1,412.5	—	1,843.5	145.6	147.6	69.2	226.1	—	295.3
August 1998 .....	439.5	525.3	W	W	—	1,623.4	148.6	156.6	W	W	—	283.8
<b>Wyoming</b>												
August 1999 .....	W	44.2	W	W	—	658.6	W	W	—	W	—	W
July 1999 .....	W	49.4	W	W	—	729.6	W	W	—	7.2	—	7.2
August 1998 .....	W	47.7	W	W	—	639.2	W	W	—	W	—	W
<b>PAD District V</b>												
August 1999 .....	10,912.2	11,166.4	21,112.2	W	W	38,740.7	2,110.9	2,127.2	3,798.2	W	W	4,911.9
July 1999 .....	11,359.8	11,610.1	21,043.3	W	W	38,057.9	2,259.5	2,282.5	3,906.4	W	W	5,070.8
August 1998 .....	9,788.1	9,994.4	19,040.8	12,372.4	4,998.2	36,411.4	2,209.6	2,238.2	4,429.0	W	W	5,782.0
<b>Alaska</b>												
August 1999 .....	259.9	266.6	90.7	W	W	536.8	NA	NA	W	W	—	W
July 1999 .....	290.2	298.4	110.6	W	W	629.8	NA	NA	W	W	—	W
August 1998 .....	249.4	256.1	W	402.6	W	525.5	18.9	18.9	W	W	—	10.6
<b>Arizona</b>												
August 1999 .....	2,300.3	2,320.1	1,412.2	1,094.2	NA	2,511.5	385.9	385.9	NA	104.5	—	272.0
July 1999 .....	2,334.5	2,352.0	1,352.8	1,107.9	NA	2,465.5	404.6	404.6	NA	121.9	—	289.4
August 1998 .....	1,964.6	1,974.4	W	1,024.7	W	2,405.1	348.9	349.2	171.5	82.3	—	253.8
<b>California</b>												
August 1999 .....	6,356.0	6,494.3	15,338.9	5,567.9	4,325.3	25,232.1	1,374.7	1,381.0	3,016.4	W	W	3,615.6
July 1999 .....	6,409.0	6,545.8	15,279.3	5,694.8	3,501.5	24,475.6	1,427.0	1,439.6	3,102.5	W	W	3,727.1
August 1998 .....	5,682.1	5,793.9	13,920.7	5,137.9	3,809.7	22,868.4	1,480.6	1,493.4	3,496.6	W	W	4,204.6
<b>Hawaii</b>												
August 1999 .....	NA	326.9	250.4	W	W	318.2	NA	NA	W	W	—	W
July 1999 .....	269.0	344.9	W	W	W	379.0	42.8	53.1	W	W	—	W
August 1998 .....	141.2	207.5	330.4	63.3	—	393.7	24.8	33.3	88.4	2.3	—	90.7
<b>Nevada</b>												
August 1999 .....	147.3	151.2	793.1	615.2	NA	1,607.2	28.1	28.1	134.0	52.5	—	186.5
July 1999 .....	159.9	164.1	780.5	595.0	NA	1,563.7	30.7	30.8	136.5	54.8	—	191.3
August 1998 .....	134.2	137.2	777.7	697.7	153.1	1,628.5	32.4	39.4	W	W	—	278.2
<b>Oregon</b>												
August 1999 .....	473.2	478.4	W	1,941.6	W	3,092.7	60.1	60.1	79.4	111.3	—	190.7
July 1999 .....	623.4	626.8	W	1,934.8	W	3,099.7	82.0	82.0	82.8	116.3	—	199.1
August 1998 .....	441.7	445.9	W	2,009.7	W	3,268.9	65.2	65.3	104.4	144.7	—	249.1
<b>Washington</b>												
August 1999 .....	1,123.7	1,129.0	W	2,976.1	W	5,442.2	206.4	206.4	313.2	241.9	—	555.0
July 1999 .....	1,273.9	1,278.1	2,338.1	2,992.0	114.6	5,444.7	250.5	250.5	327.8	242.5	—	570.4
August 1998 .....	1,174.9	1,179.4	1,900.9	3,036.5	383.9	5,321.4	238.8	238.8	379.9	315.0	—	694.9

See footnotes at end of table.

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

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Idaho</b>												
August 1999 .....	3.5	4.3	W	W	—	169.7	67.0	72.3	W	W	—	1,398.0
July 1999 .....	8.5	9.2	W	W	—	213.4	128.4	133.2	W	W	—	1,598.4
August 1998 .....	10.2	10.5	39.5	172.1	—	211.6	127.8	144.2	W	W	—	1,579.7
<b>Montana</b>												
August 1999 .....	W	W	W	298.5	—	W	W	21.2	W	W	—	1,766.6
July 1999 .....	W	W	—	308.2	—	308.2	W	21.7	—	1,772.4	—	1,772.4
August 1998 .....	W	W	—	W	—	W	W	22.6	—	1,596.8	—	1,596.8
<b>Utah</b>												
August 1999 .....	70.2	78.6	W	W	—	444.3	535.5	564.2	572.8	1,956.0	—	2,528.8
July 1999 .....	78.8	85.3	95.1	375.5	—	470.6	560.9	588.4	595.4	2,014.0	—	2,609.4
August 1998 .....	93.3	118.3	105.8	367.0	—	472.9	681.4	800.2	581.2	1,798.9	—	2,380.1
<b>Wyoming</b>												
August 1999 .....	W	W	W	154.1	—	W	W	57.7	W	W	—	823.1
July 1999 .....	W	W	W	W	—	177.2	W	65.6	W	W	—	914.0
August 1998 .....	W	W	W	W	—	W	W	67.5	W	W	—	817.0
<b>PAD District V</b>												
August 1999 .....	1,768.9	1,794.1	W	1,839.8	W	7,323.4	14,791.9	15,087.7	W	15,588.6	W	50,976.0
July 1999 .....	1,937.5	1,963.8	W	1,929.1	W	7,757.8	15,556.8	15,856.4	W	15,894.6	W	50,886.5
August 1998 .....	1,963.1	1,996.2	5,700.1	W	W	8,891.7	13,960.8	14,228.8	29,169.9	15,886.8	6,028.3	51,085.0
<b>Alaska</b>												
August 1999 .....	32.1	32.4	W	39.8	—	W	310.8	317.8	W	455.4	W	598.4
July 1999 .....	38.2	38.8	W	37.3	—	W	350.2	359.0	W	487.4	W	693.1
August 1998 .....	35.1	35.7	W	W	—	56.9	303.5	310.7	W	445.2	W	593.0
<b>Arizona</b>												
August 1999 .....	375.2	376.4	276.1	173.8	NA	450.4	3,061.4	3,082.4	1,855.9	1,372.5	NA	3,233.9
July 1999 .....	399.7	401.1	279.5	183.7	NA	464.1	3,138.8	3,157.7	1,799.8	1,413.5	NA	3,219.0
August 1998 .....	374.7	375.4	W	172.6	W	457.7	2,688.2	2,699.0	1,594.1	1,279.5	243.0	3,116.6
<b>California</b>												
August 1999 .....	1,038.6	1,042.2	3,822.9	W	W	5,088.2	8,769.4	8,917.5	22,178.2	6,971.5	4,786.1	33,935.9
July 1999 .....	1,105.6	1,110.8	4,024.0	W	W	5,420.1	8,941.6	9,096.3	22,405.9	7,172.2	4,044.8	33,622.9
August 1998 .....	1,206.4	1,216.3	4,476.2	W	W	6,303.6	8,369.1	8,503.6	21,893.6	6,784.7	4,698.3	33,376.6
<b>Hawaii</b>												
August 1999 .....	98.3	117.8	W	W	W	W	387.0	491.6	W	65.3	W	548.8
July 1999 .....	102.4	121.3	W	W	W	W	414.3	519.3	W	68.5	W	614.2
August 1998 .....	60.9	82.8	162.1	21.2	—	183.3	226.9	323.6	580.9	86.8	—	667.7
<b>Nevada</b>												
August 1999 .....	23.3	23.4	135.8	116.9	NA	269.5	198.6	202.6	1,062.8	784.6	NA	2,063.1
July 1999 .....	27.6	27.7	140.5	116.5	NA	273.1	218.2	222.5	1,057.5	766.3	NA	2,028.0
August 1998 .....	29.7	29.7	W	W	W	389.5	196.4	206.3	W	960.1	W	2,296.1
<b>Oregon</b>												
August 1999 .....	53.1	53.5	W	225.8	W	429.4	586.4	592.0	1,195.4	2,278.7	238.8	3,712.8
July 1999 .....	74.9	75.2	W	236.4	W	454.9	780.4	784.1	1,220.8	2,287.4	245.5	3,753.7
August 1998 .....	66.7	66.9	W	300.8	W	474.6	573.7	578.1	1,117.2	2,455.3	420.2	3,992.6
<b>Washington</b>												
August 1999 .....	148.3	148.5	W	442.6	W	885.9	1,478.4	1,483.8	3,021.2	3,660.6	201.4	6,883.2
July 1999 .....	188.9	188.9	427.5	464.8	48.4	940.6	1,713.3	1,717.5	3,093.3	3,699.3	163.0	6,955.6
August 1998 .....	189.5	189.5	410.0	523.7	92.5	1,026.1	1,603.1	1,607.6	2,690.8	3,875.2	476.4	7,042.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

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

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**  
(Thousand Gallons per Day)

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
August 1999 .....	36,669.8	38,558.5	23,288.1	160,665.9	22,014.1	205,968.1	1,884.2	1,888.1	2,545.5	3,651.1	-	6,196.6
July 1999 .....	40,758.1	42,617.2	24,016.2	164,001.7	23,621.8	211,639.8	1,975.1	1,984.6	2,642.7	3,780.8	-	6,423.5
August 1998 .....	39,455.1	41,097.1	22,394.4	156,443.8	31,006.3	209,844.5	1,866.5	1,882.9	W	3,568.7	W	5,632.8
<b>PAD District I</b>												
August 1999 .....	12,658.5	13,636.8	8,935.9	48,176.2	NA	61,085.5	-	-	-	-	-	-
July 1999 .....	12,946.4	13,902.6	9,282.6	48,419.5	NA	62,341.0	-	-	-	-	-	-
August 1998 .....	12,352.4	12,870.1	8,680.3	47,866.7	4,043.6	60,590.6	-	-	-	-	-	-
<b>Subdistrict IA</b>												
August 1999 .....	-	1.9	W	W	-	1,402.7	-	-	-	-	-	-
July 1999 .....	-	1.6	W	W	-	1,406.8	-	-	-	-	-	-
August 1998 .....	-	-	W	1,032.1	W	1,385.0	-	-	-	-	-	-
<b>Connecticut</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Maine</b>												
August 1999 .....	-	-	W	W	-	1,012.0	-	-	-	-	-	-
July 1999 .....	-	-	W	W	-	998.8	-	-	-	-	-	-
August 1998 .....	-	-	-	W	W	1,065.3	-	-	-	-	-	-
<b>Massachusetts</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>New Hampshire</b>												
August 1999 .....	-	-	W	W	-	87.8	-	-	-	-	-	-
July 1999 .....	-	-	W	W	-	87.5	-	-	-	-	-	-
August 1998 .....	-	-	W	W	-	42.8	-	-	-	-	-	-
<b>Rhode Island</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vermont</b>												
August 1999 .....	-	W	W	W	-	NA	-	-	-	-	-	-
July 1999 .....	-	W	W	W	-	NA	-	-	-	-	-	-
August 1998 .....	-	-	W	W	-	276.9	-	-	-	-	-	-
<b>Subdistrict IB</b>												
August 1999 .....	3,216.7	3,355.4	W	W	NA	16,066.5	-	-	-	-	-	-
July 1999 .....	3,304.0	3,442.5	W	W	NA	17,419.1	-	-	-	-	-	-
August 1998 .....	2,921.3	2,968.3	W	10,742.4	W	16,781.9	-	-	-	-	-	-
<b>Delaware</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>District of Columbia</b>												
August 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
July 1999 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1998 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Maryland</b>												
August 1999 .....	-	W	W	W	-	630.8	-	-	-	-	-	-
July 1999 .....	-	W	W	W	-	598.4	-	-	-	-	-	-
August 1998 .....	-	W	W	W	-	691.0	-	-	-	-	-	-
<b>New Jersey</b>												
August 1999 .....	-	-	-	-	NA	NA	-	-	-	-	-	-
July 1999 .....	-	-	-	-	NA	NA	-	-	-	-	-	-
August 1998 .....	-	-	-	-	1,950.8	1,950.8	-	-	-	-	-	-
<b>New York</b>												
August 1999 .....	1,448.6	W	W	3,687.9	W	5,044.2	-	-	-	-	-	-
July 1999 .....	1,486.7	W	W	3,825.5	W	5,195.1	-	-	-	-	-	-
August 1998 .....	W	W	W	4,102.4	W	5,689.9	-	-	-	-	-	-
<b>Pennsylvania</b>												
August 1999 .....	1,768.1	1,786.4	W	5,911.9	W	8,666.4	-	-	-	-	-	-
July 1999 .....	1,817.3	1,835.5	1,403.0	W	W	9,344.6	-	-	-	-	-	-
August 1998 .....	W	1,530.5	1,368.2	W	W	8,450.2	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
August 1999 .....	22,665.0	23,088.9	50,111.9	36,004.9	9,401.4	95,518.3	61,219.0	63,535.5	75,945.5	200,321.9	31,415.5	307,683.0
July 1999 .....	22,997.3	23,435.3	51,161.9	36,453.7	11,847.8	99,463.5	65,730.5	68,037.1	77,820.9	204,236.3	35,469.6	317,526.8
August 1998 .....	23,524.7	23,871.6	W	34,220.2	W	92,896.5	64,846.2	66,851.6	73,771.1	194,232.8	40,370.0	308,373.8
<b>PAD District I</b>												
August 1999 .....	4,383.8	4,577.7	20,562.4	14,937.1	3,842.4	39,341.8	17,042.3	18,214.5	29,498.3	63,113.3	NA	100,427.3
July 1999 .....	4,435.2	4,627.5	21,255.0	15,446.5	6,038.9	42,740.3	17,381.5	18,530.1	30,537.5	63,865.9	NA	105,081.3
August 1998 .....	4,704.3	4,864.0	20,526.5	16,736.1	4,747.8	42,010.4	17,056.7	17,734.1	29,206.8	64,602.8	8,791.4	102,601.0
<b>Subdistrict IA</b>												
August 1999 .....	NA	NA	4,300.8	W	W	9,830.7	NA	NA	W	6,127.4	W	11,233.4
July 1999 .....	NA	NA	W	W	NA	10,524.1	NA	NA	4,508.6	6,188.2	NA	11,930.9
August 1998 .....	832.2	839.9	W	5,538.4	W	11,391.1	832.2	839.9	4,538.1	6,570.5	1,667.5	12,776.1
<b>Connecticut</b>												
August 1999 .....	W	W	NA	1,707.1	NA	3,095.8	W	W	NA	1,707.1	NA	3,095.8
July 1999 .....	W	W	NA	1,764.8	266.7	3,347.6	W	W	NA	1,764.8	266.7	3,347.6
August 1998 .....	W	W	1,353.1	W	W	3,446.6	W	W	1,353.1	W	W	3,446.6
<b>Maine</b>												
August 1999 .....	-	-	NA	NA	-	NA	-	-	W	W	-	1,271.1
July 1999 .....	-	-	NA	NA	-	NA	-	-	W	W	-	1,265.6
August 1998 .....	-	-	W	W	W	1,229.8	-	-	W	1,473.4	W	2,295.1
<b>Massachusetts</b>												
August 1999 .....	NA	NA	2,311.5	2,007.4	NA	4,867.7	NA	NA	2,311.5	2,007.4	NA	4,867.7
July 1999 .....	NA	NA	2,362.8	2,004.0	NA	NA	NA	NA	2,362.8	2,004.0	NA	NA
August 1998 .....	479.6	481.9	2,366.1	2,191.4	517.2	5,074.7	479.6	481.9	2,366.1	2,191.4	517.2	5,074.7
<b>New Hampshire</b>												
August 1999 .....	NA	NA	W	W	-	353.9	NA	NA	W	W	-	441.7
July 1999 .....	NA	NA	W	W	-	365.5	NA	NA	W	W	-	453.0
August 1998 .....	108.1	108.1	W	W	-	342.6	108.1	108.1	262.7	122.7	-	385.5
<b>Rhode Island</b>												
August 1999 .....	W	W	W	773.5	W	1,254.1	W	88.3	W	773.5	W	1,254.1
July 1999 .....	W	W	438.2	771.7	NA	1,301.8	W	69.5	438.2	771.7	NA	1,301.8
August 1998 .....	W	W	426.7	870.6	-	1,297.3	W	W	426.7	870.6	-	1,297.3
<b>Vermont</b>												
August 1999 .....	-	-	-	-	-	-	-	W	W	W	-	NA
July 1999 .....	-	-	-	-	-	-	-	W	W	W	-	NA
August 1998 .....	-	-	-	-	-	-	-	-	W	W	-	276.9
<b>Subdistrict IB</b>												
August 1999 .....	2,696.2	2,819.5	14,050.4	W	W	24,923.8	5,912.9	6,174.8	W	17,970.9	W	40,990.3
July 1999 .....	2,736.4	2,864.4	W	W	4,804.7	27,505.1	6,040.4	6,306.9	17,346.8	18,683.7	8,893.7	44,924.2
August 1998 .....	2,945.6	3,050.3	W	8,482.4	W	25,799.3	5,866.9	6,018.5	16,727.7	19,224.7	6,628.7	42,581.2
<b>Delaware</b>												
August 1999 .....	38.6	46.3	W	W	-	819.1	38.6	46.3	W	W	-	819.1
July 1999 .....	35.7	42.5	347.0	508.1	-	855.1	35.7	42.5	347.0	508.1	-	855.1
August 1998 .....	W	54.9	W	W	-	892.2	W	54.9	W	W	-	892.2
<b>District of Columbia</b>												
August 1999 .....	-	7.9	313.1	-	-	313.1	-	7.9	313.1	-	-	313.1
July 1999 .....	-	8.5	344.8	-	-	344.8	-	8.5	344.8	-	-	344.8
August 1998 .....	-	9.2	W	W	-	NA	-	9.2	W	W	-	NA
<b>Maryland</b>												
August 1999 .....	-	W	W	W	W	4,519.2	-	70.2	2,921.2	W	W	5,150.0
July 1999 .....	-	W	W	W	88.5	4,735.2	-	67.4	3,011.0	2,234.0	88.5	5,333.5
August 1998 .....	W	W	2,861.9	W	W	4,541.1	W	45.3	W	2,316.5	W	5,232.1
<b>New Jersey</b>												
August 1999 .....	1,261.1	1,295.5	4,722.4	3,408.9	2,470.8	10,602.1	1,261.1	1,295.5	4,722.4	3,408.9	4,195.8	12,327.1
July 1999 .....	1,284.9	1,321.6	4,938.5	3,500.7	4,161.6	12,600.9	1,284.9	1,321.6	4,938.5	3,500.7	6,442.6	14,881.9
August 1998 .....	1,505.5	1,532.7	4,715.6	3,767.1	3,117.4	11,600.1	1,505.5	1,532.7	4,715.6	3,767.1	5,068.2	13,550.9
<b>New York</b>												
August 1999 .....	661.7	W	W	1,436.2	W	6,172.2	2,110.3	2,233.8	5,459.7	5,124.1	632.6	11,216.4
July 1999 .....	658.4	W	W	1,603.5	W	6,344.7	2,145.1	2,273.9	5,585.9	5,429.0	525.0	11,539.8
August 1998 .....	W	W	W	1,561.5	W	5,877.2	2,146.8	2,184.7	5,503.3	5,663.8	400.0	11,567.1
<b>Pennsylvania</b>												
August 1999 .....	734.9	734.9	W	824.4	W	2,498.2	2,503.0	2,521.3	2,855.1	6,736.2	NA	11,164.5
July 1999 .....	757.4	757.4	1,716.6	W	W	2,624.5	2,574.7	2,592.9	3,119.5	7,011.9	NA	11,969.1
August 1998 .....	W	661.2	W	W	W	2,560.0	2,168.5	2,191.7	W	6,897.8	W	11,010.2

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
August 1999 .....	9,441.8	10,279.5	6,310.1	36,638.8	667.3	43,616.3	-	-	-	-	-	-
July 1999 .....	9,642.3	10,458.5	6,414.0	36,551.2	NA	43,515.2	-	-	-	-	-	-
August 1998 .....	9,431.1	9,901.8	5,836.4	36,092.2	NA	42,423.7	-	-	-	-	-	-
<b>Florida</b>												
August 1999 .....	4,864.1	5,054.1	W	9,369.3	W	14,147.8	-	-	-	-	-	-
July 1999 .....	4,900.8	5,084.5	4,655.7	9,491.6	NA	14,411.4	-	-	-	-	-	-
August 1998 .....	4,752.3	4,911.4	W	9,128.8	W	13,819.5	-	-	-	-	-	-
<b>Georgia</b>												
August 1999 .....	1,913.6	2,051.4	1,265.5	8,245.7	181.6	9,692.8	-	-	-	-	-	-
July 1999 .....	2,022.2	2,140.2	W	8,129.8	W	9,536.8	-	-	-	-	-	-
August 1998 .....	2,117.0	2,231.5	992.6	8,025.9	-	9,018.5	-	-	-	-	-	-
<b>North Carolina</b>												
August 1999 .....	952.7	1,284.2	NA	W	W	10,621.8	-	-	-	-	-	-
July 1999 .....	958.9	1,294.1	NA	10,129.2	NA	10,184.8	-	-	-	-	-	-
August 1998 .....	860.6	976.1	W	W	-	9,986.8	-	-	-	-	-	-
<b>South Carolina</b>												
August 1999 .....	935.2	1,090.8	W	4,330.0	W	4,634.0	-	-	-	-	-	-
July 1999 .....	981.5	1,139.8	W	W	-	4,661.7	-	-	-	-	-	-
August 1998 .....	899.8	959.8	W	4,576.6	W	4,768.9	-	-	-	-	-	-
<b>Virginia</b>												
August 1999 .....	180.5	191.4	W	W	109.3	4,054.8	-	-	-	-	-	-
July 1999 .....	186.7	197.8	W	W	W	4,224.5	-	-	-	-	-	-
August 1998 .....	190.9	200.2	W	W	NA	4,290.7	-	-	-	-	-	-
<b>West Virginia</b>												
August 1999 .....	595.5	607.7	W	W	-	464.9	-	-	-	-	-	-
July 1999 .....	592.2	602.0	W	W	-	496.0	-	-	-	-	-	-
August 1998 .....	610.4	622.7	W	W	-	539.3	-	-	-	-	-	-
<b>PAD District II</b>												
August 1999 .....	13,321.6	13,831.8	W	62,588.9	W	75,666.7	W	W	W	W	-	3,688.6
July 1999 .....	14,215.8	14,737.5	W	64,536.4	W	76,461.5	W	W	W	W	-	3,798.5
August 1998 .....	15,666.8	16,195.9	W	59,654.1	W	72,707.4	W	W	W	W	-	3,574.4
<b>Illinois</b>												
August 1999 .....	377.9	380.7	W	4,504.7	W	6,195.5	-	-	-	-	-	-
July 1999 .....	455.6	458.1	W	4,652.9	W	5,109.0	-	-	-	-	-	-
August 1998 .....	565.8	577.3	NA	W	W	6,761.8	-	-	-	-	-	-
<b>Indiana</b>												
August 1999 .....	1,303.8	1,317.4	W	W	207.7	5,823.2	-	-	-	-	-	-
July 1999 .....	1,358.1	1,372.4	W	W	207.5	5,792.0	-	-	-	-	-	-
August 1998 .....	1,482.3	1,499.3	544.7	4,728.1	388.2	5,661.0	-	-	-	-	-	-
<b>Iowa</b>												
August 1999 .....	127.8	136.3	W	W	-	3,878.8	-	-	-	-	-	-
July 1999 .....	130.9	138.0	W	W	-	4,261.9	-	-	-	-	-	-
August 1998 .....	154.3	157.1	NA	3,565.0	-	3,670.0	-	-	-	-	-	-
<b>Kansas</b>												
August 1999 .....	524.2	539.2	W	3,069.0	W	3,871.9	-	-	-	-	-	-
July 1999 .....	505.3	519.9	W	3,157.3	W	3,990.2	-	-	-	-	-	-
August 1998 .....	577.6	592.7	W	2,779.1	W	3,651.1	-	-	-	-	-	-
<b>Kentucky</b>												
August 1999 .....	W	W	W	W	-	3,495.9	-	-	-	-	-	-
July 1999 .....	W	488.6	W	W	-	3,688.3	-	-	-	-	-	-
August 1998 .....	515.0	544.9	W	W	W	3,315.2	-	-	-	-	-	-
<b>Michigan</b>												
August 1999 .....	2,192.1	2,295.4	W	8,854.3	W	11,942.5	-	-	-	-	-	-
July 1999 .....	2,334.3	2,431.1	W	8,855.2	W	12,064.1	-	-	-	-	-	-
August 1998 .....	3,230.5	3,368.8	2,438.5	7,257.9	-	9,696.4	-	-	-	-	-	-
<b>Minnesota</b>												
August 1999 .....	W	W	W	W	W	W	W	W	W	W	-	W
July 1999 .....	W	W	W	W	W	W	W	W	W	W	-	W
August 1998 .....	W	W	0.3	1,487.0	W	W	W	W	W	2,934.8	-	W
<b>Missouri</b>												
August 1999 .....	553.3	574.1	W	W	W	4,460.9	-	-	-	-	-	-
July 1999 .....	775.0	796.0	W	W	W	4,712.6	-	-	-	-	-	-
August 1998 .....	890.5	906.4	522.3	4,904.6	-	5,426.9	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
August 1999 .....	NA	NA	2,211.2	2,376.1	—	4,587.3	10,351.6	11,251.9	8,521.3	39,015.0	667.3	48,203.6
July 1999 .....	NA	NA	2,268.2	2,442.8	—	4,711.0	10,572.5	11,445.5	8,682.2	38,994.1	NA	48,226.2
August 1998 .....	926.6	973.8	2,104.6	2,715.3	—	4,820.0	10,357.6	10,875.6	7,941.0	38,807.5	NA	47,243.7
<b>Florida</b>												
August 1999 .....	—	—	—	—	—	—	4,864.1	5,054.1	W	9,369.3	W	14,147.8
July 1999 .....	—	—	—	—	—	—	4,900.8	5,084.5	4,655.7	9,491.6	NA	14,411.4
August 1998 .....	—	—	—	—	—	—	4,752.3	4,911.4	W	9,128.8	W	13,819.5
<b>Georgia</b>												
August 1999 .....	—	—	—	—	—	—	1,913.6	2,051.4	1,265.5	8,245.7	181.6	9,692.8
July 1999 .....	—	—	—	—	—	—	2,022.2	2,140.2	W	8,129.8	W	9,536.8
August 1998 .....	—	—	—	—	—	—	2,117.0	2,231.5	992.6	8,025.9	—	9,018.5
<b>North Carolina</b>												
August 1999 .....	—	—	—	—	—	—	952.7	1,284.2	NA	W	W	10,621.8
July 1999 .....	—	—	—	—	—	—	958.9	1,294.1	NA	10,129.2	NA	10,184.8
August 1998 .....	—	—	—	—	—	—	860.6	976.1	W	W	—	9,986.8
<b>South Carolina</b>												
August 1999 .....	—	—	—	—	—	—	935.2	1,090.8	W	4,330.0	W	4,634.0
July 1999 .....	—	—	—	—	—	—	981.5	1,139.8	W	W	—	4,661.7
August 1998 .....	—	—	—	—	—	—	899.8	959.8	W	4,576.6	W	4,768.9
<b>Virginia</b>												
August 1999 .....	NA	NA	W	W	—	4,587.3	NA	NA	2,424.6	6,108.3	109.3	8,642.2
July 1999 .....	NA	NA	W	W	—	4,711.0	NA	NA	W	6,366.2	W	8,935.5
August 1998 .....	926.6	973.8	W	W	—	4,820.0	1,117.5	1,174.1	2,159.9	6,651.8	NA	9,110.7
<b>West Virginia</b>												
August 1999 .....	—	—	—	—	—	—	595.5	607.7	W	W	—	464.9
July 1999 .....	—	—	—	—	—	—	592.2	602.0	W	W	—	496.0
August 1998 .....	—	—	—	—	—	—	610.4	622.7	W	W	—	539.3
<b>PAD District II</b>												
August 1999 .....	W	W	W	W	W	11,698.2	17,291.5	17,872.8	13,054.3	72,766.3	5,232.9	91,053.5
July 1999 .....	W	W	W	W	W	11,687.4	18,390.5	18,997.2	13,557.8	74,623.5	3,766.1	91,947.4
August 1998 .....	W	W	3,643.2	W	W	8,448.4	20,712.4	21,294.4	11,279.4	67,426.0	6,024.7	84,730.1
<b>Illinois</b>												
August 1999 .....	1,646.5	1,664.1	W	3,036.3	W	6,013.3	2,024.3	2,044.8	3,092.7	7,541.0	1,575.1	12,208.8
July 1999 .....	1,781.5	1,800.8	W	2,904.4	W	5,990.8	2,237.0	2,258.9	3,249.0	7,557.3	293.5	11,099.8
August 1998 .....	2,715.6	2,724.2	2,709.7	W	W	4,584.2	3,281.4	3,301.5	2,776.2	6,725.7	1,844.1	11,345.9
<b>Indiana</b>												
August 1999 .....	251.8	252.5	W	W	—	1,257.5	1,555.5	1,569.8	1,026.6	5,846.5	207.7	7,080.8
July 1999 .....	258.1	259.4	W	W	—	1,277.0	1,616.2	1,631.8	1,062.9	5,798.7	207.5	7,069.0
August 1998 .....	320.4	327.3	427.5	734.6	—	1,162.1	1,802.7	1,826.5	972.2	5,462.6	388.2	6,823.1
<b>Iowa</b>												
August 1999 .....	—	—	—	—	—	—	127.8	136.3	W	W	—	3,878.8
July 1999 .....	—	—	—	—	—	—	130.9	138.0	W	W	—	4,261.9
August 1998 .....	—	—	—	—	—	—	154.3	157.1	NA	3,565.0	—	3,670.0
<b>Kansas</b>												
August 1999 .....	—	—	—	—	—	—	524.2	539.2	W	3,069.0	W	3,871.9
July 1999 .....	—	—	—	—	—	—	505.3	519.9	W	3,157.3	W	3,990.2
August 1998 .....	—	—	—	—	—	—	577.6	592.7	W	2,779.1	W	3,651.1
<b>Kentucky</b>												
August 1999 .....	W	W	W	W	—	1,348.5	747.5	819.0	216.3	4,628.1	—	4,844.4
July 1999 .....	W	328.4	W	W	—	1,352.7	739.8	817.0	233.3	4,807.7	—	5,041.0
August 1998 .....	324.4	346.2	W	W	—	1,146.1	839.4	891.1	W	4,179.2	W	4,461.3
<b>Michigan</b>												
August 1999 .....	—	—	—	—	—	—	2,192.1	2,295.4	W	8,854.3	W	11,942.5
July 1999 .....	—	—	—	—	—	—	2,334.3	2,431.1	W	8,855.2	W	12,064.1
August 1998 .....	—	—	—	—	—	—	3,230.5	3,368.8	2,438.5	7,257.9	—	9,696.4
<b>Minnesota</b>												
August 1999 .....	—	—	—	—	—	—	1,238.0	1,241.9	W	4,616.5	W	5,441.2
July 1999 .....	—	—	—	—	—	—	1,272.1	1,281.6	W	4,907.6	W	5,699.4
August 1998 .....	—	—	—	—	—	—	1,158.7	1,172.6	W	4,421.8	W	5,280.6
<b>Missouri</b>												
August 1999 .....	188.0	196.5	W	W	—	1,431.6	741.3	770.5	W	5,092.9	W	5,892.5
July 1999 .....	188.6	198.9	W	W	—	1,402.9	963.6	995.0	W	5,277.4	W	6,115.5
August 1998 .....	—	—	—	—	—	—	890.5	906.4	522.3	4,904.6	—	5,426.9

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
August 1999	54.3	61.5	W	W	—	2,222.6	—	—	—	—	—	—
July 1999	54.1	61.4	W	W	—	2,258.0	—	—	—	—	—	—
August 1998	62.4	63.9	NA	1,844.6	—	1,978.3	—	—	—	—	—	—
<b>North Dakota</b>												
August 1999	W	6.6	W	W	—	1,207.2	—	—	—	—	—	—
July 1999	W	4.9	W	W	—	1,227.6	—	—	—	—	—	—
August 1998	W	3.6	NA	942.5	—	1,008.9	—	—	—	—	—	—
<b>Ohio</b>												
August 1999	4,899.9	5,086.5	2,607.3	6,487.3	NA	9,206.6	—	—	—	—	—	—
July 1999	4,954.5	5,138.6	W	6,649.9	W	9,441.5	—	—	—	—	—	—
August 1998	5,370.7	5,586.3	W	6,526.9	W	9,596.3	—	—	—	—	—	—
<b>Oklahoma</b>												
August 1999	799.2	849.9	W	4,148.7	W	6,348.7	—	—	—	—	—	—
July 1999	1,129.7	1,191.5	W	3,997.6	W	6,276.3	—	—	—	—	—	—
August 1998	924.6	959.2	W	3,253.9	W	5,510.0	—	—	—	—	—	—
<b>South Dakota</b>												
August 1999	W	10.2	34.3	1,212.4	—	1,246.7	—	—	—	—	—	—
July 1999	W	10.8	38.1	1,286.7	—	1,324.8	—	—	—	—	—	—
August 1998	W	15.2	42.8	1,162.3	—	1,205.1	—	—	—	—	—	—
<b>Tennessee</b>												
August 1999	1,801.6	1,855.5	W	8,408.3	W	9,165.0	—	—	—	—	—	—
July 1999	1,822.4	1,875.9	523.4	8,745.3	—	9,268.7	—	—	—	—	—	—
August 1998	1,614.6	1,653.3	253.0	8,492.5	—	8,745.5	—	—	—	—	—	—
<b>Wisconsin</b>												
August 1999	W	W	W	4,674.0	—	W	—	—	—	W	—	W
July 1999	W	W	W	4,965.0	—	W	—	—	—	W	—	W
August 1998	W	W	NA	4,644.5	W	W	—	—	—	W	—	W
<b>PAD District III</b>												
August 1999	W	W	W	W	11,158.3	45,112.3	—	—	—	—	—	—
July 1999	W	W	W	W	14,236.9	48,830.5	—	—	—	—	—	—
August 1998	W	W	W	W	W	W	—	—	W	—	—	W
<b>Alabama</b>												
August 1999	330.8	431.3	173.7	5,084.8	—	5,258.5	—	—	—	—	—	—
July 1999	378.3	NA	175.3	5,288.5	—	5,463.8	—	—	—	—	—	—
August 1998	395.2	439.7	142.6	5,154.8	—	5,297.4	—	—	—	—	—	—
<b>Arkansas</b>												
August 1999	NA	NA	—	3,485.3	355.0	3,840.2	—	—	—	—	—	—
July 1999	NA	NA	—	3,511.8	470.3	3,982.1	—	—	—	—	—	—
August 1998	229.7	231.9	W	3,517.3	W	3,797.9	—	—	—	—	—	—
<b>Louisiana</b>												
August 1999	1,134.0	1,150.5	400.6	4,542.5	1,628.5	6,571.7	—	—	—	—	—	—
July 1999	1,208.3	1,225.7	407.6	4,359.9	3,025.4	7,793.0	—	—	—	—	—	—
August 1998	1,127.0	W	456.2	4,308.6	2,087.6	6,852.4	—	—	—	—	—	—
<b>Mississippi</b>												
August 1999	170.7	227.3	W	W	1,173.5	4,602.5	—	—	—	—	—	—
July 1999	189.4	220.2	W	W	1,028.1	4,399.0	—	—	—	—	—	—
August 1998	146.0	166.8	8.0	W	W	4,408.4	—	—	—	—	—	—
<b>New Mexico</b>												
August 1999	568.5	569.5	W	W	—	1,953.7	—	—	—	—	—	—
July 1999	603.8	605.3	W	W	—	2,040.5	—	—	—	—	—	—
August 1998	600.3	605.0	W	W	—	W	—	—	W	—	—	W
<b>Texas</b>												
August 1999	W	W	W	W	8,001.3	22,885.6	—	—	—	—	—	—
July 1999	W	W	W	W	9,713.2	25,152.1	—	—	—	—	—	—
August 1998	W	3,285.5	166.4	W	W	29,502.9	—	—	—	—	—	—
<b>PAD District IV</b>												
August 1999	2,433.9	2,477.7	W	W	W	W	—	—	—	W	—	W
July 1999	3,611.2	3,652.4	W	W	W	W	—	—	—	W	—	W
August 1998	3,018.8	3,163.9	1,131.1	W	—	W	—	—	—	W	—	W
<b>Colorado</b>												
August 1999	1,757.7	1,762.2	W	2,709.5	W	3,183.5	—	—	—	493.5	—	493.5
July 1999	2,839.5	2,843.6	W	W	W	3,268.2	—	—	—	W	—	514.2
August 1998	2,124.3	2,129.5	NA	W	—	W	—	—	—	W	—	W

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
August 1999	-	-	-	-	-	-	54.3	61.5	W	W	-	2,222.6
July 1999	-	-	-	-	-	-	54.1	61.4	W	W	-	2,258.0
August 1998	-	-	-	-	-	-	62.4	63.9	NA	1,844.6	-	1,978.3
<b>North Dakota</b>												
August 1999	-	-	-	-	-	-	W	6.6	W	W	-	1,207.2
July 1999	-	-	-	-	-	-	W	4.9	W	W	-	1,227.6
August 1998	-	-	-	-	-	-	W	3.6	NA	942.5	-	1,008.9
<b>Ohio</b>												
August 1999	-	-	-	-	-	-	4,899.9	5,086.5	2,607.3	6,487.3	NA	9,206.6
July 1999	-	-	-	-	-	-	4,954.5	5,138.6	W	6,649.9	W	9,441.5
August 1998	-	-	-	-	-	-	5,370.7	5,586.3	W	6,526.9	W	9,596.3
<b>Oklahoma</b>												
August 1999	-	-	-	-	-	-	799.2	849.9	W	4,148.7	W	6,348.7
July 1999	-	-	-	-	-	-	1,129.7	1,191.5	W	3,997.6	W	6,276.3
August 1998	-	-	-	-	-	-	924.6	959.2	W	3,253.9	W	5,510.0
<b>South Dakota</b>												
August 1999	-	-	-	-	-	-	W	10.2	34.3	1,212.4	-	1,246.7
July 1999	-	-	-	-	-	-	W	10.8	38.1	1,286.7	-	1,324.8
August 1998	-	-	-	-	-	-	W	15.2	42.8	1,162.3	-	1,205.1
<b>Tennessee</b>												
August 1999	-	-	-	-	-	-	1,801.6	1,855.5	W	8,408.3	W	9,165.0
July 1999	-	-	-	-	-	-	1,822.4	1,875.9	523.4	8,745.3	-	9,268.7
August 1998	-	-	-	-	-	-	1,614.6	1,653.3	253.0	8,492.5	-	8,745.5
<b>Wisconsin</b>												
August 1999	W	W	W	W	-	1,647.2	573.5	585.5	W	W	-	6,495.7
July 1999	W	W	W	W	-	1,664.0	617.4	640.6	W	W	-	6,809.7
August 1998	W	W	W	W	-	1,556.1	788.5	796.1	W	5,907.4	W	6,330.7
<b>PAD District III</b>												
August 1999	W	W	W	W	1,635.2	9,920.4	9,659.4	9,882.7	2,382.5	39,856.8	12,793.5	55,032.7
July 1999	W	W	W	W	1,897.9	10,104.6	10,790.5	11,001.0	2,346.9	40,453.4	16,134.8	58,935.0
August 1998	W	W	2,032.0	W	W	8,722.8	10,097.5	10,430.4	2,983.8	37,980.0	19,525.6	60,489.5
<b>Alabama</b>												
August 1999	-	-	-	-	-	-	330.8	431.3	173.7	5,084.8	-	5,258.5
July 1999	-	-	-	-	-	-	378.3	NA	175.3	5,288.5	-	5,463.8
August 1998	-	-	-	-	-	-	395.2	439.7	142.6	5,154.8	-	5,297.4
<b>Arkansas</b>												
August 1999	-	-	-	-	-	-	NA	NA	-	3,485.3	355.0	3,840.2
July 1999	-	-	-	-	-	-	NA	NA	-	3,511.8	470.3	3,982.1
August 1998	-	-	-	-	-	-	229.7	231.9	W	3,517.3	W	3,797.9
<b>Louisiana</b>												
August 1999	-	-	-	-	164.9	164.9	1,134.0	1,150.5	400.6	4,542.5	1,793.5	6,736.6
July 1999	-	-	-	-	193.6	193.6	1,208.3	1,225.7	407.6	4,359.9	3,219.0	7,986.6
August 1998	-	W	-	-	-	-	1,127.0	1,147.8	456.2	4,308.6	2,087.6	6,852.4
<b>Mississippi</b>												
August 1999	-	-	-	-	-	-	170.7	227.3	W	W	1,173.5	4,602.5
July 1999	-	-	-	-	-	-	189.4	220.2	W	W	1,028.1	4,399.0
August 1998	-	-	-	-	-	-	146.0	166.8	8.0	W	W	4,408.4
<b>New Mexico</b>												
August 1999	-	-	-	-	-	-	568.5	569.5	W	W	-	1,953.7
July 1999	-	-	-	-	-	-	603.8	605.3	W	W	-	2,040.5
August 1998	-	-	-	-	-	-	600.3	605.0	W	W	-	1,907.7
<b>Texas</b>												
August 1999	W	W	W	W	NA	9,755.5	7,288.4	7,334.0	1,698.5	21,471.1	9,471.5	32,641.1
July 1999	W	W	W	W	NA	9,911.0	8,208.2	8,306.5	1,659.0	21,986.7	11,417.4	35,063.1
August 1998	W	4,553.6	2,032.0	W	W	8,722.8	7,599.3	7,839.1	2,198.5	19,756.3	16,270.9	38,225.7
<b>PAD District IV</b>												
August 1999	-	-	-	-	-	-	2,433.9	2,477.7	W	8,996.9	W	10,193.5
July 1999	-	-	-	-	-	-	3,611.2	3,652.4	W	9,398.8	W	10,676.5
August 1998	-	-	-	-	-	-	3,018.8	3,163.9	1,131.1	8,337.2	-	9,468.3
<b>Colorado</b>												
August 1999	-	-	-	-	-	-	1,757.7	1,762.2	W	3,203.0	W	3,677.0
July 1999	-	-	-	-	-	-	2,839.5	2,843.6	W	3,284.6	W	3,782.4
August 1998	-	-	-	-	-	-	2,124.3	2,129.5	NA	2,837.8	-	3,094.7

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Idaho</b>												
August 1999 .....	67.0	72.3	W	W	-	1,398.0	-	-	-	-	-	-
July 1999 .....	128.4	133.2	W	W	-	1,598.4	-	-	-	-	-	-
August 1998 .....	127.8	144.2	W	W	-	1,579.7	-	-	-	-	-	-
<b>Montana</b>												
August 1999 .....	W	21.2	W	W	-	W	-	-	-	W	-	W
July 1999 .....	W	21.7	-	W	-	W	-	-	-	W	-	W
August 1998 .....	W	22.6	-	1,596.8	-	1,596.8	-	-	-	-	-	-
<b>Utah</b>												
August 1999 .....	535.5	564.2	572.8	1,956.0	-	2,528.8	-	-	-	-	-	-
July 1999 .....	560.9	588.4	595.4	2,014.0	-	2,609.4	-	-	-	-	-	-
August 1998 .....	681.4	800.2	581.2	1,798.9	-	2,380.1	-	-	-	-	-	-
<b>Wyoming</b>												
August 1999 .....	W	57.7	W	W	-	823.1	-	-	-	-	-	-
July 1999 .....	W	65.6	W	W	-	914.0	-	-	-	-	-	-
August 1998 .....	W	67.5	W	W	-	817.0	-	-	-	-	-	-
<b>PAD District V</b>												
August 1999 .....	W	W	W	8,254.6	W	W	W	W	W	W	-	W
July 1999 .....	W	W	W	8,389.5	W	W	W	W	W	W	-	W
August 1998 .....	W	W	W	8,879.7	W	15,881.0	W	W	W	W	W	1,489.0
<b>Alaska</b>												
August 1999 .....	W	W	104.7	455.4	W	W	W	W	W	-	-	W
July 1999 .....	W	W	128.3	487.4	W	W	W	W	W	-	-	W
August 1998 .....	W	W	115.2	W	W	W	W	W	W	W	-	W
<b>Arizona</b>												
August 1999 .....	W	W	W	W	NA	1,482.4	-	-	-	-	-	-
July 1999 .....	W	W	W	W	NA	1,533.9	-	-	-	NA	-	NA
August 1998 .....	W	674.0	W	1,011.5	W	W	-	W	-	W	W	W
<b>California</b>												
August 1999 .....	-	-	-	W	W	1,129.5	-	-	-	-	-	-
July 1999 .....	-	-	-	W	W	NA	-	-	-	-	-	-
August 1998 .....	-	-	-	W	W	1,160.3	-	-	-	-	-	-
<b>Hawaii</b>												
August 1999 .....	387.0	491.6	W	65.3	W	548.8	-	-	-	-	-	-
July 1999 .....	414.3	519.3	W	68.5	W	614.2	-	-	-	-	-	-
August 1998 .....	226.9	323.6	580.9	86.8	-	667.7	-	-	-	-	-	-
<b>Nevada</b>												
August 1999 .....	198.6	202.6	1,062.8	784.6	NA	2,063.1	-	-	-	-	-	-
July 1999 .....	218.2	222.5	1,057.5	765.5	NA	2,027.3	-	-	-	NA	-	NA
August 1998 .....	196.4	206.3	W	960.1	W	2,296.1	-	-	-	-	-	-
<b>Oregon</b>												
August 1999 .....	W	W	W	2,278.7	238.8	W	W	W	W	-	-	W
July 1999 .....	W	W	W	2,287.4	245.5	W	W	W	W	-	-	W
August 1998 .....	W	W	W	W	420.2	W	W	W	W	W	-	W
<b>Washington</b>												
August 1999 .....	W	W	W	W	201.4	W	W	W	W	W	-	W
July 1999 .....	W	W	W	W	163.0	W	W	W	W	W	-	W
August 1998 .....	W	W	W	W	476.4	W	W	W	W	W	-	W

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations						
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale				
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	
<b>Idaho</b>													
August 1999 .....	-	-	-	-	-	-	67.0	72.3	W	W	-	1,398.0	
July 1999 .....	-	-	-	-	-	-	128.4	133.2	W	W	-	1,598.4	
August 1998 .....	-	-	-	-	-	-	127.8	144.2	W	W	-	1,579.7	
<b>Montana</b>													
August 1999 .....	-	-	-	-	-	-	W	21.2	W	W	-	1,766.6	
July 1999 .....	-	-	-	-	-	-	W	21.7	-	1,772.4	-	1,772.4	
August 1998 .....	-	-	-	-	-	-	W	22.6	-	1,596.8	-	1,596.8	
<b>Utah</b>													
August 1999 .....	-	-	-	-	-	-	535.5	564.2	572.8	1,956.0	-	2,528.8	
July 1999 .....	-	-	-	-	-	-	560.9	588.4	595.4	2,014.0	-	2,609.4	
August 1998 .....	-	-	-	-	-	-	681.4	800.2	581.2	1,798.9	-	2,380.1	
<b>Wyoming</b>													
August 1999 .....	-	-	-	-	-	-	W	57.7	W	W	-	823.1	
July 1999 .....	-	-	-	-	-	-	W	65.6	W	W	-	914.0	
August 1998 .....	-	-	-	-	-	-	W	67.5	W	W	-	817.0	
<b>PAD District V</b>													
August 1999 .....	W	W	W	W	W	34,557.8	14,791.9	15,087.7	W	15,588.6	W	50,976.0	
July 1999 .....	W	W	W	W	W	34,931.2	15,556.8	15,856.4	W	15,894.6	W	50,886.5	
August 1998 .....	W	W	W	W	W	3,632.8	33,715.0	13,960.8	14,228.8	29,169.9	15,886.8	6,028.3	51,085.0
<b>Alaska</b>													
August 1999 .....	-	-	-	-	-	-	310.8	317.8	W	455.4	W	598.4	
July 1999 .....	-	-	-	-	-	-	350.2	359.0	W	487.4	W	693.1	
August 1998 .....	-	-	-	-	-	-	303.5	310.7	W	445.2	W	593.0	
<b>Arizona</b>													
August 1999 .....	W	W	W	W	-	1,751.5	3,061.4	3,082.4	1,855.9	1,372.5	NA	3,233.9	
July 1999 .....	W	W	W	W	NA	1,685.0	3,138.8	3,157.7	1,799.8	1,413.5	NA	3,219.0	
August 1998 .....	W	W	W	W	-	1,498.7	2,688.2	2,699.0	1,594.1	1,279.5	243.0	3,116.6	
<b>California</b>													
August 1999 .....	8,769.4	8,917.5	22,178.2	W	W	32,806.3	8,769.4	8,917.5	22,178.2	6,971.5	4,786.1	33,935.9	
July 1999 .....	8,941.6	9,096.3	22,405.9	W	W	33,246.2	8,941.6	9,096.3	22,405.9	7,172.2	4,044.8	33,622.9	
August 1998 .....	8,369.1	8,503.6	21,893.6	W	W	32,216.3	8,369.1	8,503.6	21,893.6	6,784.7	4,698.3	33,376.6	
<b>Hawaii</b>													
August 1999 .....	-	-	-	-	-	-	387.0	491.6	W	65.3	W	548.8	
July 1999 .....	-	-	-	-	-	-	414.3	519.3	W	68.5	W	614.2	
August 1998 .....	-	-	-	-	-	-	226.9	323.6	580.9	86.8	-	667.7	
<b>Nevada</b>													
August 1999 .....	-	-	-	-	-	-	198.6	202.6	1,062.8	784.6	NA	2,063.1	
July 1999 .....	-	-	-	-	-	-	218.2	222.5	1,057.5	766.3	NA	2,028.0	
August 1998 .....	-	-	-	-	-	-	196.4	206.3	W	960.1	W	2,296.1	
<b>Oregon</b>													
August 1999 .....	-	-	-	-	-	-	586.4	592.0	1,195.4	2,278.7	238.8	3,712.8	
July 1999 .....	-	-	-	-	-	-	780.4	784.1	1,220.8	2,287.4	245.5	3,753.7	
August 1998 .....	-	-	-	-	-	-	573.7	578.1	1,117.2	2,455.3	420.2	3,992.6	
<b>Washington</b>													
August 1999 .....	-	-	-	-	-	-	1,478.4	1,483.8	3,021.2	3,660.6	201.4	6,883.2	
July 1999 .....	-	-	-	-	-	-	1,713.3	1,717.5	3,093.3	3,699.3	163.0	6,955.6	
August 1998 .....	-	-	-	-	-	-	1,603.1	1,607.6	2,690.8	3,875.2	476.4	7,042.4	

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

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

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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

**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**

(Thousand Gallons per Day)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	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
<b>United States</b>										
August 1999 .....	153.0	885.1	50,560.0	14,570.7	178.4	895.9	123.7	733.1	4,928.7	30,127.6
July 1999 .....	160.8	961.0	50,897.0	14,642.9	140.4	800.2	146.6	450.5	2,741.8	28,856.7
August 1998 .....	168.0	700.6	51,501.0	12,352.6	602.3	917.1	NA	446.2	2,364.5	27,739.9
<b>PAD District I</b>										
August 1999 .....	51.8	151.4	11,150.4	4,984.2	167.7	203.9	NA	65.5	53.6	4,128.5
July 1999 .....	55.4	161.2	10,983.3	3,592.0	128.5	177.8	NA	55.0	47.2	3,357.9
August 1998 .....	61.7	133.5	12,505.7	2,405.9	145.9	327.9	3.6	W	37.8	3,901.7
<b>Subdistrict IA</b>										
August 1999 .....	W	20.2	1,145.2	NA	NA	14.4	W	W	10.3	39.2
July 1999 .....	W	21.7	1,058.1	NA	NA	22.1	W	W	10.0	31.1
August 1998 .....	W	NA	1,130.5	129.4	W	2.9	-	W	NA	49.5
<b>Connecticut</b>										
August 1999 .....	W	2.9	307.5	NA	-	W	NA	-	-	W
July 1999 .....	-	4.9	245.7	NA	-	W	NA	-	W	W
August 1998 .....	W	2.4	NA	NA	-	W	-	W	-	14.9
<b>Maine</b>										
August 1999 .....	W	W	W	W	-	2.8	-	-	-	W
July 1999 .....	W	W	W	W	-	W	-	-	-	-
August 1998 .....	W	-	W	W	-	W	-	W	-	W
<b>Massachusetts</b>										
August 1999 .....	W	W	NA	NA	-	W	W	W	-	W
July 1999 .....	W	W	NA	NA	-	W	W	W	-	W
August 1998 .....	W	W	852.0	90.7	-	W	-	-	-	3.3
<b>New Hampshire</b>										
August 1999 .....	W	W	W	3.5	NA	W	-	-	NA	19.5
July 1999 .....	W	W	W	W	NA	W	-	-	W	15.3
August 1998 .....	W	W	20.8	W	NA	W	-	-	NA	24.5
<b>Rhode Island</b>										
August 1999 .....	-	W	W	NA	-	-	-	-	-	W
July 1999 .....	-	W	W	NA	-	-	-	-	-	W
August 1998 .....	W	NA	W	W	-	W	-	-	-	-
<b>Vermont</b>										
August 1999 .....	-	W	W	W	NA	W	-	NA	10.2	W
July 1999 .....	-	W	W	W	NA	W	-	NA	9.3	W
August 1998 .....	-	W	W	W	W	-	-	-	NA	W
<b>Subdistrict IB</b>										
August 1999 .....	W	37.3	4,992.0	2,715.9	146.3	125.1	W	W	3.5	1,521.0
July 1999 .....	W	38.1	5,050.0	1,899.9	111.0	114.7	W	W	3.2	1,320.4
August 1998 .....	W	36.2	6,387.5	1,370.5	141.2	255.5	W	2.8	3.0	1,367.5
<b>Delaware</b>										
August 1999 .....	W	1.9	1.1	W	W	-	-	-	-	W
July 1999 .....	W	W	W	5.3	-	-	-	-	-	W
August 1998 .....	W	1.8	W	NA	-	W	-	-	-	W
<b>District of Columbia</b>										
August 1999 .....	-	-	-	W	W	-	-	-	-	W
July 1999 .....	-	-	-	-	W	-	-	-	-	W
August 1998 .....	-	-	-	W	-	-	-	-	-	-
<b>Maryland</b>										
August 1999 .....	W	2.4	368.7	47.3	W	11.9	W	NA	W	W
July 1999 .....	W	W	W	41.1	W	34.2	W	NA	W	W
August 1998 .....	W	W	317.1	W	W	W	W	-	W	W
<b>New Jersey</b>										
August 1999 .....	W	8.5	2,694.9	1,706.9	W	NA	NA	W	W	470.5
July 1999 .....	W	10.4	2,788.5	1,142.8	W	NA	NA	W	-	351.8
August 1998 .....	W	W	3,376.1	715.2	W	189.4	NA	-	W	334.3
<b>New York</b>										
August 1999 .....	W	10.8	751.5	628.5	53.4	41.2	NA	NA	W	163.6
July 1999 .....	W	9.3	720.8	378.8	52.7	24.6	NA	W	W	161.3
August 1998 .....	W	8.2	W	276.5	W	9.8	W	0.9	W	216.7
<b>Pennsylvania</b>										
August 1999 .....	5.3	13.6	1,175.8	329.4	1.8	34.4	-	12.9	W	724.5
July 1999 .....	5.0	15.3	1,177.9	332.0	1.8	16.0	W	8.1	W	629.2
August 1998 .....	7.2	8.2	1,616.9	268.2	2.6	52.7	W	1.9	W	615.3

See footnotes at end of table.

**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	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
<b>Subdistrict IC</b>										
August 1999 .....	28.4	93.9	5,013.2	1,844.5	19.4	64.5	—	42.5	39.8	2,568.2
July 1999 .....	31.2	101.5	4,875.2	1,362.0	16.1	41.0	—	37.3	33.9	2,006.4
August 1998 .....	33.5	81.5	4,987.7	906.0	W	69.4	W	21.4	33.3	2,484.7
<b>Florida</b>										
August 1999 .....	19.1	39.8	2,486.8	NA	W	16.8	—	W	W	464.4
July 1999 .....	20.1	44.8	2,282.4	NA	W	10.7	—	W	W	441.1
August 1998 .....	17.9	35.5	2,243.7	317.0	W	10.9	—	—	W	505.2
<b>Georgia</b>										
August 1999 .....	2.7	20.4	1,085.2	991.6	W	W	—	—	W	471.2
July 1999 .....	3.0	20.4	1,124.2	676.0	W	2.7	—	—	W	W
August 1998 .....	W	18.6	1,151.0	346.3	W	W	—	W	W	437.4
<b>North Carolina</b>										
August 1999 .....	W	NA	505.8	W	4.5	21.3	—	W	17.5	860.3
July 1999 .....	W	NA	529.0	W	W	13.3	—	W	10.3	519.9
August 1998 .....	W	15.2	568.0	108.6	W	17.3	W	W	W	867.6
<b>South Carolina</b>										
August 1999 .....	W	4.5	W	60.5	W	3.4	—	—	W	575.6
July 1999 .....	W	4.8	W	51.5	W	W	—	—	W	334.4
August 1998 .....	W	W	W	W	0.3	6.0	—	W	W	366.3
<b>Virginia</b>										
August 1999 .....	W	NA	827.1	190.7	W	20.5	—	W	W	W
July 1999 .....	W	10.4	817.1	151.5	W	11.4	—	W	W	417.5
August 1998 .....	W	5.9	908.3	91.7	W	30.8	—	12.7	W	W
<b>West Virginia</b>										
August 1999 .....	W	1.8	W	W	W	W	—	W	—	W
July 1999 .....	W	1.4	W	W	W	W	—	W	—	W
August 1998 .....	W	W	W	W	W	W	—	—	—	W
<b>PAD District II</b>										
August 1999 .....	NA	339.7	10,242.8	1,573.6	6.6	81.5	102.8	345.9	401.3	8,172.7
July 1999 .....	NA	350.5	10,120.7	1,908.2	7.4	49.3	123.8	219.4	329.4	7,051.5
August 1998 .....	34.1	178.3	8,777.5	1,535.7	59.6	89.5	NA	210.7	395.8	8,379.8
<b>Illinois</b>										
August 1999 .....	W	W	NA	162.9	W	6.3	W	77.5	W	840.8
July 1999 .....	W	W	NA	348.4	W	3.5	W	47.6	W	674.9
August 1998 .....	W	W	1,917.8	75.2	W	14.1	W	15.3	W	975.1
<b>Indiana</b>										
August 1999 .....	W	8.6	NA	100.5	W	8.1	W	79.5	W	308.6
July 1999 .....	W	9.0	NA	128.0	W	2.8	W	52.8	W	204.6
August 1998 .....	W	11.5	1,007.1	NA	W	13.3	W	8.5	W	370.3
<b>Iowa</b>										
August 1999 .....	W	17.6	57.5	31.1	—	W	—	10.5	W	537.0
July 1999 .....	W	17.5	63.4	28.8	—	W	W	10.0	W	385.5
August 1998 .....	W	17.6	NA	29.1	—	—	NA	18.5	W	359.7
<b>Kansas</b>										
August 1999 .....	NA	65.7	160.7	41.5	—	W	W	10.8	W	2,819.7
July 1999 .....	NA	56.9	141.5	35.6	W	W	2.4	8.8	W	2,844.3
August 1998 .....	W	W	156.0	19.9	—	3.0	NA	15.6	W	3,146.4
<b>Kentucky</b>										
August 1999 .....	W	W	W	36.3	W	5.6	—	W	W	515.3
July 1999 .....	W	2.7	W	35.8	W	2.0	—	W	23.4	492.2
August 1998 .....	W	W	583.8	30.0	0.2	7.2	—	W	W	474.4
<b>Michigan</b>										
August 1999 .....	W	NA	NA	NA	W	NA	W	32.0	W	552.7
July 1999 .....	NA	NA	NA	102.8	W	NA	W	27.7	W	451.6
August 1998 .....	1.3	W	682.5	155.7	0.3	W	W	18.1	W	536.4
<b>Minnesota</b>										
August 1999 .....	W	W	1,216.2	53.6	W	2.7	W	18.6	70.5	520.5
July 1999 .....	W	57.1	1,339.5	48.4	W	2.2	W	10.9	51.5	375.6
August 1998 .....	W	W	1,167.7	140.1	W	3.2	W	28.8	61.6	440.8
<b>Missouri</b>										
August 1999 .....	W	16.1	351.3	80.3	—	1.0	—	31.4	W	415.2
July 1999 .....	W	15.5	413.5	77.9	W	W	W	14.9	W	234.3
August 1998 .....	W	W	363.7	59.5	—	1.0	NA	5.7	W	458.8

See footnotes at end of table.

**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	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
<b>Nebraska</b>										
August 1999 .....	W	W	98.2	20.5	—	W	W	6.3	W	186.6
July 1999 .....	W	W	99.0	23.2	—	W	W	1.9	W	243.6
August 1998 .....	W	W	94.5	17.3	—	—	NA	10.0	—	180.3
<b>North Dakota</b>										
August 1999 .....	W	1.8	18.2	6.5	—	—	W	4.3	W	194.4
July 1999 .....	W	W	17.4	W	—	—	W	4.1	W	160.2
August 1998 .....	W	W	NA	NA	—	—	NA	10.5	W	162.2
<b>Ohio</b>										
August 1999 .....	NA	NA	W	414.2	NA	15.9	W	W	W	359.8
July 1999 .....	NA	NA	W	545.3	NA	10.9	W	W	W	314.2
August 1998 .....	10.4	42.0	1,174.9	351.5	W	23.3	W	21.6	W	274.8
<b>Oklahoma</b>										
August 1999 .....	NA	9.0	466.6	337.8	NA	W	W	1.6	W	410.6
July 1999 .....	NA	8.3	434.8	328.0	W	NA	—	1.7	W	349.3
August 1998 .....	W	5.0	343.0	417.8	—	W	—	1.9	W	440.1
<b>South Dakota</b>										
August 1999 .....	W	W	24.6	19.0	—	—	—	7.8	W	74.5
July 1999 .....	W	W	25.9	W	—	W	—	1.5	W	31.9
August 1998 .....	W	8.8	21.8	11.7	—	W	NA	11.4	W	73.5
<b>Tennessee</b>										
August 1999 .....	W	NA	1,076.7	98.2	W	16.8	—	W	W	219.8
July 1999 .....	W	NA	986.0	128.3	1.4	NA	—	W	W	146.2
August 1998 .....	W	19.9	1,017.1	77.7	W	19.2	—	W	W	215.9
<b>Wisconsin</b>										
August 1999 .....	—	W	103.9	53.2	W	3.3	W	36.5	47.3	217.1
July 1999 .....	—	W	93.4	52.8	W	W	NA	17.8	40.5	143.0
August 1998 .....	—	W	140.7	50.5	—	1.0	W	34.4	44.4	271.1
<b>PAD District III</b>										
August 1999 .....	26.0	117.5	11,977.1	4,681.7	W	605.4	NA	NA	4,436.2	14,984.0
July 1999 .....	27.3	134.3	12,776.0	5,645.4	4.5	569.7	NA	NA	2,330.4	15,988.2
August 1998 .....	22.9	133.4	12,152.2	5,049.7	W	475.2	—	W	1,896.2	12,624.0
<b>Alabama</b>										
August 1999 .....	W	8.7	169.9	119.5	W	W	—	—	W	194.6
July 1999 .....	W	10.2	NA	NA	W	W	—	—	15.7	140.2
August 1998 .....	2.6	7.9	152.0	45.0	W	4.2	—	—	W	215.8
<b>Arkansas</b>										
August 1999 .....	W	W	55.4	45.3	—	—	—	—	W	58.5
July 1999 .....	W	W	58.5	46.0	—	W	—	—	W	16.2
August 1998 .....	W	W	86.6	51.6	—	W	—	—	W	95.8
<b>Louisiana</b>										
August 1999 .....	W	9.6	2,449.3	1,649.8	W	W	—	—	1,278.6	1,590.9
July 1999 .....	W	7.7	3,062.0	2,337.5	W	W	—	—	543.6	1,704.2
August 1998 .....	W	9.9	2,449.8	1,105.7	W	W	—	—	174.2	1,047.9
<b>Mississippi</b>										
August 1999 .....	W	W	802.9	78.6	W	W	—	—	W	405.0
July 1999 .....	W	W	1,002.5	93.8	W	W	—	—	W	497.8
August 1998 .....	W	7.7	619.5	294.7	W	W	—	—	W	686.5
<b>New Mexico</b>										
August 1999 .....	W	W	NA	NA	—	W	—	W	W	299.5
July 1999 .....	W	W	NA	NA	—	W	—	W	W	267.0
August 1998 .....	W	W	155.0	28.9	—	W	—	2.0	W	342.4
<b>Texas</b>										
August 1999 .....	11.0	70.2	8,317.4	2,753.6	W	244.7	NA	W	W	12,435.4
July 1999 .....	13.9	87.0	8,290.1	3,072.5	W	80.5	NA	W	W	13,362.8
August 1998 .....	9.3	87.3	8,689.3	3,523.7	W	12.7	—	W	1,647.2	10,235.6
<b>PAD District IV</b>										
August 1999 .....	NA	39.0	1,170.4	176.5	—	NA	1.6	46.5	20.9	776.8
July 1999 .....	NA	48.1	1,152.9	224.3	W	NA	5.8	32.0	24.0	637.7
August 1998 .....	18.2	32.7	1,551.0	161.5	—	W	NA	50.3	21.1	863.1
<b>Colorado</b>										
August 1999 .....	W	W	585.1	NA	—	W	W	13.8	W	216.0
July 1999 .....	W	W	509.2	NA	—	W	W	7.9	W	147.7
August 1998 .....	W	W	635.9	123.1	—	—	W	16.4	W	218.5

See footnotes at end of table.

**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	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
<b>Idaho</b>										
August 1999 .....	W	W	W	15.4	—	—	W	10.9	W	W
July 1999 .....	W	W	W	30.9	—	—	W	10.7	W	W
August 1998 .....	W	W	69.4	12.4	—	—	NA	11.7	7.7	W
<b>Montana</b>										
August 1999 .....	W	2.0	W	10.5	—	—	W	12.6	W	182.5
July 1999 .....	W	W	W	8.1	—	—	W	9.0	W	187.2
August 1998 .....	W	—	83.9	W	—	—	W	10.0	W	196.8
<b>Utah</b>										
August 1999 .....	W	7.9	341.8	17.6	—	W	W	2.1	W	W
July 1999 .....	W	9.2	385.2	29.4	—	W	W	1.1	W	W
August 1998 .....	W	6.5	735.9	16.6	—	W	W	NA	W	W
<b>Wyoming</b>										
August 1999 .....	W	1.5	99.4	3.8	—	—	W	7.1	3.0	285.1
July 1999 .....	W	W	105.9	4.3	W	—	W	3.2	5.0	223.7
August 1998 .....	W	W	25.9	W	—	—	W	7.9	W	296.1
<b>PAD District V</b>										
August 1999 .....	31.3	237.5	16,019.4	3,154.6	W	4.0	7.5	255.5	16.8	2,065.5
July 1999 .....	29.9	266.9	15,864.0	3,273.0	W	2.8	6.6	131.8	10.8	1,821.4
August 1998 .....	31.1	222.7	16,514.6	3,199.7	W	W	100.2	132.1	13.6	1,971.3
<b>Alaska</b>										
August 1999 .....	W	73.8	2,415.4	336.5	W	—	7.5	242.1	2.1	W
July 1999 .....	W	98.8	2,452.2	394.4	W	—	5.9	121.9	2.0	W
August 1998 .....	W	60.7	2,194.3	295.3	W	—	W	116.2	1.8	W
<b>Arizona</b>										
August 1999 .....	W	16.6	579.2	186.4	—	—	—	—	—	97.1
July 1999 .....	W	12.7	698.7	199.4	W	—	—	W	—	160.6
August 1998 .....	W	13.6	774.0	165.3	—	W	—	W	—	120.9
<b>California</b>										
August 1999 .....	13.7	89.7	9,500.5	1,453.7	—	W	—	NA	W	1,457.7
July 1999 .....	12.5	93.8	9,234.7	1,796.9	—	W	—	NA	W	1,200.6
August 1998 .....	13.2	88.7	9,887.7	1,868.6	—	14.5	—	—	W	1,324.0
<b>Hawaii</b>										
August 1999 .....	—	W	438.1	W	—	—	—	—	—	W
July 1999 .....	—	W	425.0	W	—	—	—	—	—	W
August 1998 .....	—	W	469.8	W	—	—	—	—	—	W
<b>Nevada</b>										
August 1999 .....	W	W	579.5	W	—	—	—	W	W	101.9
July 1999 .....	W	W	579.0	118.8	—	—	—	W	—	104.5
August 1998 .....	W	12.1	584.1	74.5	—	W	—	—	W	71.0
<b>Oregon</b>										
August 1999 .....	W	W	561.6	210.8	—	1.9	—	W	W	W
July 1999 .....	W	W	575.1	W	—	W	W	W	W	W
August 1998 .....	W	W	643.4	W	—	W	—	W	W	W
<b>Washington</b>										
August 1999 .....	W	W	1,945.1	400.6	—	W	—	12.3	W	322.3
July 1999 .....	W	W	1,899.4	272.1	—	W	W	8.7	W	268.3
August 1998 .....	W	W	1,961.4	129.1	—	3.3	W	14.0	W	336.7

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: 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.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes  
by PAD District and State**  
(Thousand Gallons per Day)

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		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				
<b>United States</b>										
August 1999 .....	14,051.8	80,993.0	6,631.8	12,336.3	20,683.6	93,329.3	2,715.7	20,199.9	23,399.4	113,529.2
July 1999 .....	13,815.3	76,304.3	6,388.9	12,091.2	20,204.2	88,395.5	2,640.1	18,508.8	22,844.3	106,904.3
August 1998 .....	14,390.9	80,697.0	6,856.5	14,147.2	21,247.5	94,844.2	3,730.0	20,932.1	24,977.4	115,776.3
<b>PAD District I</b>										
August 1999 .....	3,835.1	17,072.5	1,008.9	2,083.1	4,844.0	19,155.7	1,092.2	10,852.7	5,936.2	30,008.4
July 1999 .....	3,820.9	15,703.1	1,002.9	1,764.7	4,823.9	17,467.7	1,104.3	10,680.9	5,928.2	28,148.6
August 1998 .....	4,399.5	18,276.7	1,135.5	2,352.0	5,535.0	20,628.7	1,263.2	10,649.5	6,798.2	31,278.3
<b>Subdistrict IA</b>										
August 1999 .....	NA	1,058.2	NA	NA	NA	NA	41.8	NA	NA	NA
July 1999 .....	NA	1,181.4	NA	NA	NA	1,474.1	37.4	1,468.4	NA	2,942.5
August 1998 .....	W	W	W	W	306.5	1,402.3	27.1	936.2	333.6	2,338.5
<b>Connecticut</b>										
August 1999 .....	NA	263.4	–	NA	NA	NA	16.1	288.0	NA	NA
July 1999 .....	W	645.4	W	126.7	NA	772.1	13.4	582.5	NA	1,354.6
August 1998 .....	W	W	–	W	W	373.6	W	320.8	137.8	694.5
<b>Maine</b>										
August 1999 .....	NA	189.6	W	2.1	W	191.7	–	NA	W	305.5
July 1999 .....	7.5	NA	W	NA	W	NA	–	326.4	W	431.1
August 1998 .....	W	W	W	W	11.3	178.4	–	167.1	11.3	345.5
<b>Massachusetts</b>										
August 1999 .....	NA	453.3	W	NA	W	NA	W	NA	NA	NA
July 1999 .....	W	NA	W	NA	NA	NA	7.0	NA	NA	NA
August 1998 .....	W	W	W	W	127.1	540.4	4.9	222.9	132.0	763.3
<b>New Hampshire</b>										
August 1999 .....	NA	W	–	4.8	NA	W	NA	W	NA	NA
July 1999 .....	NA	W	NA	4.1	NA	W	NA	W	NA	NA
August 1998 .....	W	18.6	W	W	10.8	W	NA	W	12.2	45.4
<b>Rhode Island</b>										
August 1999 .....	NA	NA	NA	NA	NA	NA	–	NA	NA	NA
July 1999 .....	W	W	1.3	20.3	W	W	W	W	NA	NA
August 1998 .....	W	W	–	W	W	278.7	W	200.4	21.0	479.1
<b>Vermont</b>										
August 1999 .....	NA	W	6.3	0.7	NA	W	W	W	W	117.1
July 1999 .....	NA	W	5.9	NA	NA	W	W	64.2	W	112.1
August 1998 .....	W	9.1	W	W	13.8	W	NA	W	19.2	10.8
<b>Subdistrict IB</b>										
August 1999 .....	1,245.1	7,962.0	NA	NA	1,414.9	8,431.1	407.0	7,855.4	1,821.9	16,286.5
July 1999 .....	1,137.1	6,645.3	NA	NA	1,320.5	7,037.1	407.9	7,639.2	1,728.4	14,676.3
August 1998 .....	W	W	W	W	1,591.3	8,375.8	527.7	7,444.9	2,119.1	15,820.6
<b>Delaware</b>										
August 1999 .....	W	W	–	NA	W	W	W	W	W	64.9
July 1999 .....	W	W	–	W	W	34.6	W	–	W	34.6
August 1998 .....	18.7	W	W	–	W	W	NA	W	W	259.8
<b>District of Columbia</b>										
August 1999 .....	–	8.2	–	–	–	8.2	W	–	W	8.2
July 1999 .....	–	W	–	–	–	W	W	W	W	9.3
August 1998 .....	W	W	–	–	W	W	–	W	W	33.5
<b>Maryland</b>										
August 1999 .....	W	650.4	W	W	W	W	W	W	197.9	896.1
July 1999 .....	W	W	W	W	W	W	W	W	171.5	731.7
August 1998 .....	W	504.6	W	30.9	208.4	535.5	76.9	215.9	285.3	751.4
<b>New Jersey</b>										
August 1999 .....	396.2	W	NA	W	497.7	3,192.7	53.7	2,935.4	551.4	6,128.1
July 1999 .....	352.1	2,195.4	NA	NA	454.0	2,527.1	45.3	2,951.4	499.3	5,478.5
August 1998 .....	358.5	W	91.5	W	450.0	3,216.3	132.1	3,631.2	582.0	6,847.5
<b>New York</b>										
August 1999 .....	282.6	1,348.8	NA	NA	327.9	1,358.3	104.2	2,764.4	432.1	4,122.6
July 1999 .....	273.0	1,160.5	NA	NA	320.9	1,168.6	93.0	2,414.8	413.9	3,583.4
August 1998 .....	W	W	W	W	369.8	1,224.4	65.9	1,663.2	435.7	2,887.6
<b>Pennsylvania</b>										
August 1999 .....	W	3,067.3	W	NA	430.7	3,110.5	163.2	1,956.1	594.0	5,066.6
July 1999 .....	W	2,843.6	W	NA	420.9	2,882.6	177.0	1,956.2	597.9	4,838.7
August 1998 .....	516.2	3,164.4	23.8	12.4	540.0	3,176.7	236.1	1,864.1	776.1	5,040.9

See footnotes at end of table.

**Table 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes by PAD District and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		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				
<b>Subdistrict IC</b>										
August 1999 .....	2,369.3	8,052.3	819.1	1,274.9	3,188.4	9,327.3	643.4	1,954.9	3,831.8	11,282.2
July 1999 .....	2,465.5	7,876.3	798.0	1,080.2	3,263.5	8,956.5	659.0	1,573.4	3,922.5	10,529.9
August 1998 .....	2,746.5	9,282.0	890.6	1,568.7	3,637.1	10,850.6	708.4	2,268.5	4,345.5	13,119.1
<b>Florida</b>										
August 1999 .....	954.0	2,080.5	W	571.4	W	2,651.9	W	524.8	1,370.8	3,176.7
July 1999 .....	920.2	2,204.6	W	448.8	W	2,653.5	W	423.9	1,337.9	3,077.3
August 1998 .....	1,208.6	2,379.4	400.1	562.1	1,608.7	2,941.5	112.3	418.9	1,721.0	3,360.4
<b>Georgia</b>										
August 1999 .....	702.3	1,881.2	222.8	170.0	925.1	2,051.2	NA	356.3	990.3	2,407.5
July 1999 .....	867.1	1,844.9	NA	133.9	1,039.3	1,978.8	NA	287.5	1,085.6	2,266.3
August 1998 .....	631.1	1,935.4	161.8	331.7	792.9	2,267.1	34.7	614.9	827.6	2,882.0
<b>North Carolina</b>										
August 1999 .....	243.1	1,748.2	211.8	288.6	454.9	2,036.8	68.7	270.4	523.6	2,307.2
July 1999 .....	227.1	1,572.5	234.2	249.4	461.3	1,821.8	70.0	239.4	531.3	2,061.2
August 1998 .....	368.9	1,908.1	98.1	336.8	467.0	2,244.9	209.1	402.3	676.1	2,647.2
<b>South Carolina</b>										
August 1999 .....	235.3	W	NA	W	290.0	804.9	96.7	129.4	386.7	934.2
July 1999 .....	219.3	W	NA	W	261.8	841.0	63.0	108.6	324.8	949.6
August 1998 .....	258.7	987.3	W	124.2	W	1,111.5	W	185.9	350.0	1,297.4
<b>Virginia</b>										
August 1999 .....	149.6	1,359.1	NA	109.7	201.8	1,468.8	109.5	513.7	311.4	1,982.5
July 1999 .....	155.1	1,231.2	NA	118.6	211.4	1,349.8	205.7	371.9	417.1	1,721.7
August 1998 .....	202.6	1,865.8	143.7	144.5	346.3	2,010.3	127.8	477.2	474.2	2,487.5
<b>West Virginia</b>										
August 1999 .....	85.0	W	W	W	W	313.7	W	160.4	249.1	474.1
July 1999 .....	76.6	W	W	W	W	311.7	W	142.1	225.8	453.8
August 1998 .....	76.7	206.1	W	69.4	W	275.5	W	169.3	296.6	444.8
<b>PAD District II</b>										
August 1999 .....	5,194.4	26,645.5	2,247.5	2,522.0	7,441.9	29,167.5	1,287.3	5,428.2	8,729.2	34,595.7
July 1999 .....	4,927.9	26,109.9	2,324.4	2,177.8	7,252.4	28,287.7	1,218.8	5,666.4	8,471.2	33,954.1
August 1998 .....	5,368.4	24,640.8	2,085.5	2,545.8	7,453.9	27,186.6	2,013.6	5,172.0	9,467.5	32,358.6
<b>Illinois</b>										
August 1999 .....	W	2,945.9	W	176.2	612.0	3,122.1	137.2	1,429.1	749.2	4,551.2
July 1999 .....	W	2,789.7	W	55.2	645.8	2,844.9	137.2	1,826.9	783.0	4,671.8
August 1998 .....	603.8	2,847.5	172.3	124.9	776.1	2,972.4	371.1	1,410.8	1,147.2	4,383.3
<b>Indiana</b>										
August 1999 .....	W	2,219.1	W	184.4	837.6	2,403.5	133.4	485.1	970.9	2,888.6
July 1999 .....	561.5	2,141.5	W	186.9	W	2,328.5	W	491.3	897.1	2,819.8
August 1998 .....	966.4	2,117.0	W	219.0	W	2,336.0	W	490.8	1,192.7	2,826.8
<b>Iowa</b>										
August 1999 .....	166.1	1,346.7	W	56.5	W	1,403.2	W	100.6	186.6	1,503.8
July 1999 .....	162.2	1,340.4	W	53.4	W	1,393.8	W	117.5	187.9	1,511.3
August 1998 .....	W	1,423.5	W	74.7	NA	1,498.1	NA	112.5	W	1,610.6
<b>Kansas</b>										
August 1999 .....	W	1,913.7	114.7	130.8	W	2,044.5	W	174.0	414.8	2,218.5
July 1999 .....	W	2,058.0	148.9	80.9	W	2,139.0	W	183.8	306.3	2,322.8
August 1998 .....	138.5	1,700.7	W	118.6	W	1,819.3	W	128.4	250.1	1,947.7
<b>Kentucky</b>										
August 1999 .....	372.1	1,367.4	61.5	202.8	433.7	1,570.3	262.8	411.1	696.5	1,981.4
July 1999 .....	340.4	1,375.6	W	164.5	W	1,540.2	W	373.4	695.9	1,913.5
August 1998 .....	337.8	1,121.1	94.2	209.4	432.0	1,330.5	226.5	414.1	658.5	1,744.5
<b>Michigan</b>										
August 1999 .....	W	2,357.2	W	NA	582.5	2,481.1	47.7	402.3	630.1	2,883.3
July 1999 .....	W	2,203.8	W	NA	557.9	2,305.7	45.9	407.6	603.8	2,713.3
August 1998 .....	512.5	1,540.6	104.7	44.7	617.3	1,585.3	78.2	411.2	695.5	1,996.5
<b>Minnesota</b>										
August 1999 .....	W	1,676.9	W	265.2	329.5	1,942.1	131.0	251.5	460.4	2,193.5
July 1999 .....	W	1,665.9	W	219.5	219.8	1,885.3	119.3	279.5	339.1	2,164.8
August 1998 .....	W	1,355.7	W	245.5	162.9	1,601.2	NA	273.4	411.3	1,874.6
<b>Missouri</b>										
August 1999 .....	187.2	1,631.8	W	60.0	W	1,691.8	W	150.0	240.7	1,841.8
July 1999 .....	207.1	1,474.2	W	69.0	W	1,543.3	W	210.8	322.1	1,754.1
August 1998 .....	202.0	1,645.8	W	132.9	W	1,778.7	W	114.1	252.8	1,892.8

See footnotes at end of table.

**Table 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes by PAD District and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		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				
<b>Nebraska</b>										
August 1999 .....	35.8	1,026.8	W	125.3	W	1,152.1	W	110.3	77.8	1,262.4
July 1999 .....	NA	1,131.9	W	176.4	W	1,308.4	W	170.8	65.1	1,479.1
August 1998 .....	W	998.1	W	217.7	173.6	1,215.8	NA	72.8	175.4	1,288.6
<b>North Dakota</b>										
August 1999 .....	NA	654.7	W	W	W	W	W	W	30.5	840.6
July 1999 .....	W	577.3	—	W	W	W	W	W	40.9	727.9
August 1998 .....	W	631.6	—	NA	W	696.3	NA	NA	W	744.8
<b>Ohio</b>										
August 1999 .....	1,184.5	W	W	W	W	2,302.5	W	957.6	1,839.9	3,260.1
July 1999 .....	1,159.0	W	W	W	W	2,376.8	W	690.1	1,922.5	3,066.9
August 1998 .....	1,294.0	2,073.1	W	204.5	W	2,277.6	W	921.1	1,990.5	3,198.7
<b>Oklahoma</b>										
August 1999 .....	W	W	959.6	185.1	W	W	W	W	1,286.7	2,988.6
July 1999 .....	W	W	936.0	171.1	W	W	W	W	1,173.4	2,935.0
August 1998 .....	162.0	2,854.7	W	W	W	W	W	W	1,146.0	3,218.1
<b>South Dakota</b>										
August 1999 .....	12.5	483.3	W	9.0	W	492.3	W	17.3	13.9	509.6
July 1999 .....	W	521.1	—	18.5	W	539.7	W	20.4	20.0	560.1
August 1998 .....	W	540.9	—	W	W	W	W	W	16.8	574.9
<b>Tennessee</b>										
August 1999 .....	623.1	2,593.4	207.5	497.2	830.5	3,090.6	9.7	372.5	840.2	3,463.1
July 1999 .....	617.5	2,414.4	198.0	470.4	815.5	2,884.8	10.1	367.7	825.7	3,252.5
August 1998 .....	550.9	2,116.4	W	419.5	W	2,535.8	W	298.4	839.7	2,834.2
<b>Wisconsin</b>										
August 1999 .....	250.3	1,657.6	W	159.5	W	1,817.2	W	392.0	291.0	2,209.2
July 1999 .....	W	1,568.5	W	135.6	268.6	1,704.1	19.7	357.1	288.3	2,061.2
August 1998 .....	W	1,674.0	W	175.9	266.4	1,850.0	NA	372.4	293.2	2,222.3
<b>PAD District III</b>										
August 1999 .....	1,655.0	19,796.8	1,697.6	5,816.8	3,352.6	25,613.6	221.3	3,515.9	3,573.9	29,129.5
July 1999 .....	1,888.6	17,062.6	1,648.1	6,266.6	3,536.6	23,329.2	217.0	1,831.4	3,753.6	25,160.5
August 1998 .....	1,570.5	19,915.7	1,893.8	6,596.5	3,464.3	26,512.2	174.6	4,842.7	3,638.9	31,354.9
<b>Alabama</b>										
August 1999 .....	198.7	942.7	144.3	95.9	343.0	1,038.7	32.6	229.5	375.6	1,268.2
July 1999 .....	208.8	881.9	W	77.0	W	958.9	34.4	192.0	333.3	1,150.9
August 1998 .....	193.2	1,262.2	147.0	175.7	340.2	1,437.9	27.6	260.9	367.8	1,698.9
<b>Arkansas</b>										
August 1999 .....	W	1,320.7	41.2	726.4	W	2,047.1	W	63.2	NA	2,110.3
July 1999 .....	NA	1,176.0	W	639.9	W	1,815.9	W	69.1	NA	1,885.0
August 1998 .....	185.4	1,275.7	W	756.4	W	2,032.1	W	NA	208.1	2,125.4
<b>Louisiana</b>										
August 1999 .....	163.0	1,463.8	283.3	3,360.0	446.4	4,823.8	46.5	991.0	492.8	5,814.8
July 1999 .....	164.9	1,366.2	347.2	3,442.7	512.1	4,808.8	53.3	798.5	565.4	5,607.3
August 1998 .....	W	1,789.0	460.1	3,117.6	W	4,906.6	W	1,405.3	668.4	6,311.9
<b>Mississippi</b>										
August 1999 .....	123.4	980.6	W	528.5	W	1,509.1	W	271.2	215.4	1,780.3
July 1999 .....	105.9	1,048.0	W	824.2	W	1,872.3	W	142.2	197.4	2,014.4
August 1998 .....	132.9	1,280.2	W	536.7	W	1,816.8	W	166.7	214.6	1,983.5
<b>New Mexico</b>										
August 1999 .....	W	928.6	W	98.7	135.3	1,027.3	—	—	135.3	1,027.3
July 1999 .....	131.5	811.4	—	99.9	131.5	911.3	—	—	131.5	911.3
August 1998 .....	W	904.8	W	94.1	110.5	998.9	—	—	110.5	998.9
<b>Texas</b>										
August 1999 .....	W	14,160.3	1,181.0	1,007.2	W	15,167.5	W	1,961.0	2,137.5	17,128.5
July 1999 .....	1,094.6	11,779.1	1,077.0	1,182.9	2,171.6	12,962.0	82.7	629.6	2,254.3	13,591.6
August 1998 .....	W	13,403.8	1,227.9	1,916.0	W	15,319.8	W	2,916.5	2,069.4	18,236.3
<b>PAD District IV</b>										
August 1999 .....	1,091.5	4,144.7	W	W	W	W	W	W	1,622.2	4,654.1
July 1999 .....	994.7	4,110.3	W	W	W	W	W	W	1,463.8	4,564.7
August 1998 .....	995.3	4,261.7	480.9	463.4	1,476.2	4,725.1	NA	NA	1,608.1	4,733.4
<b>Colorado</b>										
August 1999 .....	NA	W	W	W	W	W	W	W	326.4	1,441.6
July 1999 .....	194.7	W	W	W	W	W	W	W	295.0	1,348.6
August 1998 .....	W	W	W	W	295.3	1,381.0	NA	NA	295.8	1,389.3

See footnotes at end of table.

**Table 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		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				
<b>Idaho</b>										
August 1999 .....	W	562.2	W	162.1	113.9	724.3	-	-	113.9	724.3
July 1999 .....	W	503.0	W	134.2	129.6	637.2	-	-	129.6	637.2
August 1998 .....	W	610.4	W	191.1	136.5	801.5	NA	-	139.4	801.5
<b>Montana</b>										
August 1999 .....	181.0	W	-	W	181.0	747.5	-	-	181.0	747.5
July 1999 .....	150.4	W	-	W	150.4	726.7	-	-	150.4	726.7
August 1998 .....	165.8	W	-	W	165.8	728.5	NA	-	166.2	728.5
<b>Utah</b>										
August 1999 .....	348.9	865.3	W	128.6	W	993.9	W	-	422.0	993.9
July 1999 .....	329.9	1,018.4	W	131.6	W	1,150.0	W	-	363.6	1,150.0
August 1998 .....	332.1	830.9	NA	231.0	364.1	1,061.9	NA	-	492.1	1,061.9
<b>Wyoming</b>										
August 1999 .....	W	722.5	W	24.2	579.0	746.7	-	-	579.0	746.7
July 1999 .....	W	676.7	W	25.5	525.2	702.3	-	-	525.2	702.3
August 1998 .....	W	W	W	W	514.5	752.1	-	-	514.5	752.1
<b>PAD District V</b>										
August 1999 .....	2,275.9	13,333.4	W	W	W	W	W	W	3,537.8	15,141.5
July 1999 .....	2,183.1	13,318.5	W	W	W	W	W	W	3,227.5	15,076.3
August 1998 .....	2,057.3	13,602.1	1,260.7	2,189.5	3,318.0	15,791.6	146.7	259.5	3,464.7	16,051.1
<b>Alaska</b>										
August 1999 .....	NA	W	230.2	W	240.5	W	76.1	323.5	316.5	733.4
July 1999 .....	NA	W	107.2	W	117.1	W	90.4	W	207.5	756.1
August 1998 .....	W	W	W	W	143.6	W	W	W	277.3	563.3
<b>Arizona</b>										
August 1999 .....	W	W	W	W	449.4	834.3	-	-	449.4	834.3
July 1999 .....	W	W	W	W	446.5	974.0	-	-	446.5	974.0
August 1998 .....	241.5	W	116.6	W	358.1	929.1	-	-	358.1	929.1
<b>California</b>										
August 1999 .....	W	9,445.9	W	W	1,758.3	W	-	W	1,758.3	9,716.8
July 1999 .....	W	9,326.5	W	241.2	1,658.7	9,567.7	-	-	1,658.7	9,567.7
August 1998 .....	W	9,110.0	W	375.4	1,575.0	9,485.4	-	-	1,575.0	9,485.4
<b>Hawaii</b>										
August 1999 .....	W	47.2	W	82.4	W	129.5	-	-	W	129.5
July 1999 .....	W	46.3	W	83.6	W	129.9	-	-	W	129.9
August 1998 .....	37.6	50.8	W	88.1	W	138.9	-	-	W	138.9
<b>Nevada</b>										
August 1999 .....	W	W	W	5.2	99.2	W	-	W	W	627.1
July 1999 .....	W	601.0	W	4.5	83.6	605.5	-	-	W	605.5
August 1998 .....	W	506.6	W	6.0	85.1	512.5	-	-	W	512.5
<b>Oregon</b>										
August 1999 .....	53.2	929.2	W	326.3	W	1,255.5	W	NA	310.0	1,256.6
July 1999 .....	44.9	960.8	W	370.5	W	1,331.4	W	NA	245.1	1,332.5
August 1998 .....	W	1,042.8	W	524.5	174.7	1,567.4	-	-	174.7	1,567.4
<b>Washington</b>										
August 1999 .....	112.6	1,459.2	W	375.4	W	1,834.6	W	9.3	195.2	1,843.9
July 1999 .....	135.2	1,374.0	W	324.9	W	1,698.8	W	11.8	214.5	1,710.6
August 1998 .....	114.1	W	W	827.6	W	W	W	W	635.4	2,854.4

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: 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.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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 47. Refiner Residual Fuel Oil and No. 4 Fuel Volumes by PAD District**  
(Thousand Gallons per Day)

Geographic Area Month	Residual Fuel Oil						No. 4 Fuel <sup>a</sup>	
	Sulfur Less Than or Equal to 1 Percent		Sulfur 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	Sales to End Users	Sales for Resale		
<b>United States</b>								
August 1999 .....	3,341.1	4,592.0	11,757.6	3,272.9	15,098.7	7,864.9	344.6	98.6
July 1999 .....	4,069.1	4,420.0	10,624.6	6,915.4	14,693.7	11,335.4	361.3	128.2
August 1998 .....	4,754.9	7,247.0	13,008.3	9,233.2	17,763.2	16,480.3	385.3	28.6
<b>PAD District I</b>								
August 1999 .....	NA	3,917.2	4,803.8	NA	6,760.1	4,030.3	W	23.1
July 1999 .....	NA	3,866.7	4,080.2	525.7	7,097.3	4,392.5	W	24.0
August 1998 .....	3,969.1	4,958.5	8,053.3	3,742.4	12,022.4	8,700.9	W	25.0
<b>Subdistrict IA</b>								
August 1999 .....	W	W	W	NA	W	W	W	W
July 1999 .....	W	W	W	W	W	W	W	W
August 1998 .....	W	W	W	W	W	W	W	W
<b>Subdistrict IB</b>								
August 1999 .....	W	W	W	W	4,003.1	1,440.9	W	17.6
July 1999 .....	2,166.4	1,285.4	2,252.5	250.9	4,418.9	1,536.2	W	18.9
August 1998 .....	3,501.1	2,289.9	4,860.7	767.8	8,361.8	3,057.6	W	22.0
<b>Subdistrict IC</b>								
August 1999 .....	NA	W	W	W	W	W	W	W
July 1999 .....	W	W	W	W	W	W	W	W
August 1998 .....	W	W	W	W	W	W	W	W
<b>PAD District II</b>								
August 1999 .....	W	W	W	W	131.9	477.6	3.9	W
July 1999 .....	W	W	W	218.9	89.4	W	2.9	W
August 1998 .....	W	W	W	W	55.3	W	W	W
<b>PAD District III</b>								
August 1999 .....	W	NA	W	2,154.7	4,308.7	2,232.1	-	W
July 1999 .....	W	NA	W	5,070.9	3,918.1	5,204.7	W	W
August 1998 .....	-	1,650.7	3,182.8	4,520.5	3,182.8	6,171.2	W	-
<b>PAD District IV</b>								
August 1999 .....	W	W	W	W	2.9	62.5	-	-
July 1999 .....	W	W	W	W	3.9	W	-	-
August 1998 .....	W	W	W	W	3.9	W	-	-
<b>PAD District V</b>								
August 1999 .....	1,314.1	W	2,581.2	W	3,895.3	1,062.4	W	W
July 1999 .....	W	W	W	W	3,585.0	1,388.9	W	W
August 1998 .....	778.9	437.0	1,719.9	744.5	2,498.8	1,181.5	W	W

Dash (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months 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."

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

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**  
(Thousand Gallons per Day)

Geographic Area Month	Regular				Midgrade			
	Conventional <sup>a</sup>	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>United States</b>								
August 1999 .....	178,074.4	7,758.9	82,088.1	267,921.3	22,732.0	1,121.0	14,351.2	38,204.2
July 1999 .....	180,131.0	7,903.0	81,888.6	269,922.6	23,668.6	1,236.5	14,736.3	39,641.5
August 1998 .....	174,320.1	5,857.1	79,007.1	259,184.4	24,124.7	1,080.5	15,945.8	41,151.1
<b>PAD District I</b>								
August 1999 .....	55,183.4	—	30,304.8	85,488.2	9,080.5	—	5,626.2	14,706.7
July 1999 .....	55,512.0	—	30,680.4	86,192.5	9,406.3	—	5,807.7	15,214.0
August 1998 .....	51,794.2	—	31,970.3	83,764.5	9,389.7	—	6,357.2	15,746.9
<b>Subdistrict IA</b>								
August 1999 .....	2,876.2	—	9,500.5	12,376.7	314.4	—	1,403.6	1,718.0
July 1999 .....	2,866.3	—	9,541.6	12,407.9	332.6	—	1,435.9	1,768.5
August 1998 .....	1,966.8	—	10,544.8	12,511.6	253.0	—	1,724.9	1,977.9
<b>Connecticut</b>								
August 1999 .....	—	—	2,691.0	2,691.0	—	—	429.5	429.5
July 1999 .....	—	—	2,765.0	2,765.0	—	—	447.4	447.4
August 1998 .....	—	—	2,659.0	2,659.0	—	—	481.0	481.0
<b>Maine</b>								
August 1999 .....	W	—	W	1,774.4	178.2	—	—	178.2
July 1999 .....	W	—	W	1,779.1	184.5	—	NA	185.8
August 1998 .....	999.3	—	1,116.1	2,115.4	120.3	—	133.4	253.6
<b>Massachusetts</b>								
August 1999 .....	—	—	4,960.9	4,960.9	—	—	710.0	710.0
July 1999 .....	—	—	4,922.2	4,922.2	—	—	718.2	718.2
August 1998 .....	—	—	4,909.2	4,909.2	—	—	821.5	821.5
<b>New Hampshire</b>								
August 1999 .....	W	—	W	1,251.0	62.1	—	103.2	165.3
July 1999 .....	W	—	W	1,232.8	66.6	—	108.2	174.8
August 1998 .....	351.1	—	768.4	1,119.5	53.0	—	108.5	161.5
<b>Rhode Island</b>								
August 1999 .....	—	—	1,008.9	1,008.9	—	—	160.8	160.8
July 1999 .....	—	—	1,000.5	1,000.5	—	—	160.9	160.9
August 1998 .....	—	—	1,092.1	1,092.1	—	—	180.5	180.5
<b>Vermont</b>								
August 1999 .....	690.5	—	—	690.5	74.1	—	—	74.1
July 1999 .....	708.3	—	—	708.3	81.5	—	—	81.5
August 1998 .....	616.5	—	—	616.5	79.8	—	—	79.8
<b>Subdistrict IB</b>								
August 1999 .....	14,149.5	—	17,245.2	31,394.8	1,477.7	—	3,383.3	4,861.0
July 1999 .....	14,480.1	—	17,587.5	32,067.7	1,559.9	—	3,498.7	5,058.6
August 1998 .....	13,839.2	—	17,828.9	31,668.0	1,586.9	—	3,745.4	5,332.3
<b>Delaware</b>								
August 1999 .....	—	—	927.3	927.3	—	—	170.4	170.4
July 1999 .....	—	—	945.4	945.4	—	—	180.7	180.7
August 1998 .....	—	—	804.4	804.4	—	—	186.3	186.3
<b>District of Columbia</b>								
August 1999 .....	—	—	139.5	139.5	—	—	70.8	70.8
July 1999 .....	—	—	143.9	143.9	—	—	78.4	78.4
August 1998 .....	—	—	121.9	121.9	—	—	NA	NA
<b>Maryland</b>								
August 1999 .....	533.1	—	3,072.4	3,605.5	89.3	—	726.9	816.2
July 1999 .....	509.9	—	3,118.4	3,628.3	86.1	—	757.5	843.6
August 1998 .....	W	—	W	3,424.9	90.1	—	775.9	866.0
<b>New Jersey</b>								
August 1999 .....	—	—	6,695.5	6,695.5	—	—	1,167.5	1,167.5
July 1999 .....	—	—	6,929.8	6,929.8	—	—	1,199.4	1,199.4
August 1998 .....	W	—	W	7,281.7	—	—	1,334.3	1,334.3
<b>New York</b>								
August 1999 .....	5,447.3	—	4,367.4	9,814.7	457.3	—	821.5	1,278.7
July 1999 .....	5,483.3	—	4,390.4	9,873.7	468.1	—	841.5	1,309.6
August 1998 .....	5,671.1	—	4,466.8	10,137.9	528.8	—	855.2	1,384.0
<b>Pennsylvania</b>								
August 1999 .....	8,169.2	—	2,043.1	10,212.3	931.1	—	426.3	1,357.4
July 1999 .....	8,486.9	—	2,059.7	10,546.6	1,005.8	—	441.2	1,447.0
August 1998 .....	7,623.5	—	2,273.8	9,897.3	968.0	—	518.2	1,486.3

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>United States</b>								
August 1999 .....	36,032.7	612.8	22,320.7	58,966.3	236,839.1	9,492.7	118,759.9	365,091.8
July 1999 .....	38,361.3	668.4	23,401.6	62,431.3	242,160.9	9,807.9	120,026.5	371,995.3
August 1998 .....	39,547.5	661.5	25,957.9	66,167.0	237,992.4	7,599.1	120,910.9	366,502.4
<b>PAD District I</b>								
August 1999 .....	14,364.5	—	11,228.8	25,593.3	78,628.4	—	47,159.8	125,788.2
July 1999 .....	15,049.4	—	11,878.1	26,927.4	79,967.7	—	48,366.2	128,333.9
August 1998 .....	15,509.4	—	13,674.8	29,184.3	76,693.3	—	52,002.4	128,695.7
<b>Subdistrict IA</b>								
August 1999 .....	455.9	—	2,312.6	2,768.6	3,646.5	—	13,216.7	16,863.3
July 1999 .....	474.4	—	2,443.3	2,917.6	3,673.3	—	13,420.8	17,094.1
August 1998 .....	352.7	—	3,024.7	3,377.5	2,572.5	—	15,294.5	17,867.0
<b>Connecticut</b>								
August 1999 .....	—	—	723.4	723.4	—	—	3,843.9	3,843.9
July 1999 .....	—	—	784.2	784.2	—	—	3,996.6	3,996.6
August 1998 .....	—	—	813.9	813.9	—	—	3,953.9	3,953.9
<b>Maine</b>								
August 1999 .....	W	—	W	257.5	W	—	W	2,210.1
July 1999 .....	W	—	W	266.9	W	—	W	2,231.8
August 1998 .....	153.9	—	231.4	385.3	1,273.4	—	1,480.9	2,754.3
<b>Massachusetts</b>								
August 1999 .....	—	—	1,170.3	1,170.3	—	—	6,841.2	6,841.2
July 1999 .....	—	—	1,214.9	1,214.9	—	—	6,855.3	6,855.3
August 1998 .....	W	—	W	1,491.1	W	—	W	7,221.8
<b>New Hampshire</b>								
August 1999 .....	W	—	W	223.0	W	—	W	1,639.3
July 1999 .....	W	—	W	241.1	W	—	W	1,648.7
August 1998 .....	W	—	W	239.8	W	—	W	1,520.8
<b>Rhode Island</b>								
August 1999 .....	—	—	264.3	264.3	—	—	1,434.0	1,434.0
July 1999 .....	—	—	270.0	270.0	—	—	1,431.4	1,431.4
August 1998 .....	—	—	314.3	314.3	—	—	1,586.9	1,586.9
<b>Vermont</b>								
August 1999 .....	130.2	—	—	130.2	894.8	—	—	894.8
July 1999 .....	140.5	—	—	140.5	930.3	—	—	930.3
August 1998 .....	133.1	—	—	133.1	829.4	—	—	829.4
<b>Subdistrict IB</b>								
August 1999 .....	2,648.5	—	7,618.3	10,266.8	18,275.7	—	28,246.8	46,522.5
July 1999 .....	2,866.8	—	8,074.4	10,941.2	18,906.8	—	29,160.7	48,067.5
August 1998 .....	2,968.4	—	9,155.6	12,124.0	18,394.5	—	30,729.8	49,124.3
<b>Delaware</b>								
August 1999 .....	—	—	195.0	195.0	—	—	1,292.7	1,292.7
July 1999 .....	—	—	212.3	212.3	—	—	1,338.4	1,338.4
August 1998 .....	—	—	204.4	204.4	—	—	1,195.0	1,195.0
<b>District of Columbia</b>								
August 1999 .....	—	—	128.3	128.3	—	—	338.5	338.5
July 1999 .....	—	—	145.8	145.8	—	—	368.0	368.0
August 1998 .....	—	—	NA	NA	—	—	358.0	358.0
<b>Maryland</b>								
August 1999 .....	126.4	—	1,086.7	1,213.1	748.8	—	4,886.1	5,634.8
July 1999 .....	127.0	—	1,176.4	1,303.5	723.0	—	5,052.4	5,775.4
August 1998 .....	138.8	—	1,262.6	1,401.4	W	—	W	5,692.3
<b>New Jersey</b>								
August 1999 .....	—	—	2,757.0	2,757.0	—	—	10,619.9	10,619.9
July 1999 .....	—	—	2,945.5	2,945.5	—	—	11,074.7	11,074.7
August 1998 .....	—	—	3,463.2	3,463.2	W	—	W	12,079.2
<b>New York</b>								
August 1999 .....	915.4	—	2,787.2	3,702.5	6,820.0	—	7,976.0	14,796.0
July 1999 .....	970.3	—	2,898.3	3,868.6	6,921.6	—	8,130.2	15,051.8
August 1998 .....	1,102.3	—	3,219.9	4,322.2	7,302.2	—	8,541.9	15,844.1
<b>Pennsylvania</b>								
August 1999 .....	1,606.7	—	664.1	2,270.8	10,707.0	—	3,133.5	13,840.5
July 1999 .....	1,769.5	—	696.1	2,465.6	11,262.2	—	3,197.0	14,459.2
August 1998 .....	1,727.3	—	844.9	2,572.2	10,318.8	—	3,636.9	13,955.7

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular				Midgrade			
	Conventional <sup>a</sup>	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Subdistrict IC</b>								
August 1999 .....	38,157.6	—	3,559.1	41,716.6	7,288.5	—	839.3	8,127.8
July 1999 .....	38,165.6	—	3,551.2	41,716.9	7,513.8	—	873.1	8,386.8
August 1998 .....	35,988.3	—	3,596.6	39,584.9	7,549.7	—	887.0	8,436.7
<b>Florida</b>								
August 1999 .....	12,394.5	—	—	12,394.5	2,745.3	—	—	2,745.3
July 1999 .....	12,224.7	—	—	12,224.7	2,849.2	—	—	2,849.2
August 1998 .....	11,784.5	—	—	11,784.5	2,955.2	—	—	2,955.2
<b>Georgia</b>								
August 1999 .....	8,672.8	—	—	8,672.8	1,630.2	—	—	1,630.2
July 1999 .....	8,705.1	—	—	8,705.1	1,672.5	—	—	1,672.5
August 1998 .....	8,081.0	—	—	8,081.0	1,662.4	—	—	1,662.4
<b>North Carolina</b>								
August 1999 .....	8,248.9	—	—	8,248.9	1,470.1	—	—	1,470.1
July 1999 .....	8,101.1	—	—	8,101.1	1,486.4	—	—	1,486.4
August 1998 .....	7,396.3	—	—	7,396.3	1,446.7	—	—	1,446.7
<b>South Carolina</b>								
August 1999 .....	4,382.2	—	—	4,382.2	715.7	—	—	715.7
July 1999 .....	4,492.8	—	—	4,492.8	752.0	—	—	752.0
August 1998 .....	4,088.6	—	—	4,088.6	711.3	—	—	711.3
<b>Virginia</b>								
August 1999 .....	3,323.5	—	3,559.1	6,882.5	553.6	—	839.3	1,392.9
July 1999 .....	3,440.4	—	3,551.2	6,991.6	570.5	—	873.1	1,443.5
August 1998 .....	3,279.0	—	3,596.6	6,875.6	574.5	—	887.0	1,461.4
<b>West Virginia</b>								
August 1999 .....	1,135.7	—	—	1,135.7	173.5	—	—	173.5
July 1999 .....	1,201.6	—	—	1,201.6	183.2	—	—	183.2
August 1998 .....	1,358.8	—	—	1,358.8	199.6	—	—	199.6
<b>PAD District II</b>								
August 1999 .....	68,940.2	5,362.3	10,112.0	84,414.4	7,039.1	916.6	1,696.1	9,651.8
July 1999 .....	69,925.8	5,437.5	10,176.6	85,539.9	7,334.7	965.6	1,794.7	10,095.1
August 1998 .....	69,926.5	3,679.5	8,262.6	81,868.7	7,546.1	763.1	1,792.2	10,101.4
<b>Illinois</b>								
August 1999 .....	4,394.9	—	4,729.6	9,124.5	492.2	—	995.9	1,488.1
July 1999 .....	4,339.7	—	4,737.6	9,077.3	509.2	—	1,049.3	1,558.5
August 1998 .....	4,887.4	—	4,727.4	9,614.8	500.9	—	1,228.4	1,729.4
<b>Indiana</b>								
August 1999 .....	5,730.8	—	1,087.4	6,818.1	711.7	—	144.7	856.4
July 1999 .....	5,833.8	—	1,091.2	6,925.0	740.9	—	150.5	891.4
August 1998 .....	5,691.6	—	1,059.4	6,751.0	768.5	—	176.4	944.9
<b>Iowa</b>								
August 1999 .....	3,659.1	—	—	3,659.1	443.9	—	—	443.9
July 1999 .....	3,744.5	—	—	3,744.5	473.3	—	—	473.3
August 1998 .....	3,588.8	—	—	3,588.8	337.5	—	—	337.5
<b>Kansas</b>								
August 1999 .....	3,576.3	—	—	3,576.3	183.7	—	—	183.7
July 1999 .....	3,650.8	—	—	3,650.8	193.2	—	—	193.2
August 1998 .....	3,661.7	—	—	3,661.7	164.9	—	—	164.9
<b>Kentucky</b>								
August 1999 .....	3,284.4	—	1,128.8	4,413.2	392.7	—	194.5	587.1
July 1999 .....	3,421.6	—	1,126.2	4,547.7	396.3	—	201.3	597.6
August 1998 .....	3,185.8	—	974.3	4,160.1	W	—	W	633.9
<b>Michigan</b>								
August 1999 .....	11,158.7	—	—	11,158.7	910.3	—	—	910.3
July 1999 .....	11,260.5	—	—	11,260.5	965.3	—	—	965.3
August 1998 .....	11,075.5	—	—	11,075.5	1,110.7	—	—	1,110.7
<b>Minnesota</b>								
August 1999 .....	—	5,362.3	—	5,362.3	—	916.6	—	916.6
July 1999 .....	—	5,437.5	—	5,437.5	—	965.6	—	965.6
August 1998 .....	1,411.8	3,679.5	—	5,091.3	W	W	—	803.9
<b>Missouri</b>								
August 1999 .....	5,291.3	—	1,719.3	7,010.5	327.1	—	215.2	542.3
July 1999 .....	5,347.2	—	1,752.9	7,100.0	333.3	—	238.1	571.4
August 1998 .....	6,350.0	—	—	6,350.0	506.2	—	—	506.2

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Subdistrict IC</b>								
August 1999 .....	11,260.1	—	1,297.8	12,557.9	56,706.1	—	5,696.2	62,402.3
July 1999 .....	11,708.2	—	1,360.4	13,068.6	57,387.6	—	5,784.6	63,172.3
August 1998 .....	12,188.3	—	1,494.5	13,682.8	55,726.3	—	5,978.1	61,704.4
<b>Florida</b>								
August 1999 .....	4,262.2	—	—	4,262.2	19,402.0	—	—	19,402.0
July 1999 .....	4,452.0	—	—	4,452.0	19,525.9	—	—	19,525.9
August 1998 .....	4,891.0	—	—	4,891.0	19,630.7	—	—	19,630.7
<b>Georgia</b>								
August 1999 .....	2,374.1	—	—	2,374.1	12,677.1	—	—	12,677.1
July 1999 .....	2,475.6	—	—	2,475.6	12,853.2	—	—	12,853.2
August 1998 .....	2,546.3	—	—	2,546.3	12,289.7	—	—	12,289.7
<b>North Carolina</b>								
August 1999 .....	2,379.1	—	—	2,379.1	12,098.1	—	—	12,098.1
July 1999 .....	2,388.0	—	—	2,388.0	11,975.5	—	—	11,975.5
August 1998 .....	2,357.3	—	—	2,357.3	11,200.2	—	—	11,200.2
<b>South Carolina</b>								
August 1999 .....	1,121.2	—	—	1,121.2	6,219.1	—	—	6,219.1
July 1999 .....	1,213.3	—	—	1,213.3	6,458.1	—	—	6,458.1
August 1998 .....	1,168.0	—	—	1,168.0	5,967.9	—	—	5,967.9
<b>Virginia</b>								
August 1999 .....	905.2	—	1,297.8	2,203.1	4,782.3	—	5,696.2	10,478.5
July 1999 .....	966.8	—	1,360.4	2,327.2	4,977.7	—	5,784.6	10,762.4
August 1998 .....	948.0	—	1,494.5	2,442.5	4,801.5	—	5,978.1	10,779.5
<b>West Virginia</b>								
August 1999 .....	218.3	—	—	218.3	1,527.5	—	—	1,527.5
July 1999 .....	212.5	—	—	212.5	1,597.3	—	—	1,597.3
August 1998 .....	277.8	—	—	277.8	1,836.3	—	—	1,836.3
<b>PAD District II</b>								
August 1999 .....	11,100.5	329.3	2,282.9	13,712.8	87,079.8	6,608.2	14,091.0	107,779.0
July 1999 .....	11,870.2	351.9	2,420.5	14,642.6	89,130.7	6,755.0	14,391.9	110,277.6
August 1998 .....	12,157.7	384.3	2,216.8	14,758.8	89,630.4	4,826.8	12,271.6	106,728.8
<b>Illinois</b>								
August 1999 .....	563.4	—	1,323.5	1,886.9	5,450.5	—	7,049.0	12,499.5
July 1999 .....	601.1	—	1,370.4	1,971.5	5,450.0	—	7,157.3	12,607.3
August 1998 .....	618.6	—	1,497.5	2,116.0	6,006.9	—	7,453.3	13,460.2
<b>Indiana</b>								
August 1999 .....	936.4	—	233.8	1,170.2	7,378.8	—	1,465.9	8,844.7
July 1999 .....	992.5	—	250.4	1,242.9	7,567.3	—	1,492.0	9,059.3
August 1998 .....	1,095.4	—	273.3	1,368.7	7,555.6	—	1,509.1	9,064.6
<b>Iowa</b>								
August 1999 .....	270.2	—	—	270.2	4,373.3	—	—	4,373.3
July 1999 .....	293.2	—	—	293.2	4,511.0	—	—	4,511.0
August 1998 .....	273.3	—	—	273.3	4,199.5	—	—	4,199.5
<b>Kansas</b>								
August 1999 .....	421.1	—	—	421.1	4,181.2	—	—	4,181.2
July 1999 .....	455.3	—	—	455.3	4,299.4	—	—	4,299.4
August 1998 .....	419.0	—	—	419.0	4,245.5	—	—	4,245.5
<b>Kentucky</b>								
August 1999 .....	714.2	—	230.9	945.1	4,391.3	—	1,554.1	5,945.4
July 1999 .....	782.9	—	248.8	1,031.7	4,600.8	—	1,576.3	6,177.1
August 1998 .....	W	—	W	1,021.2	4,417.5	—	1,397.6	5,815.2
<b>Michigan</b>								
August 1999 .....	1,726.3	—	—	1,726.3	13,795.3	—	—	13,795.3
July 1999 .....	1,814.0	—	—	1,814.0	14,039.7	—	—	14,039.7
August 1998 .....	1,894.3	—	—	1,894.3	14,080.5	—	—	14,080.5
<b>Minnesota</b>								
August 1999 .....	226.4	329.3	—	555.7	226.4	6,608.2	—	6,834.6
July 1999 .....	291.7	351.9	—	643.6	291.7	6,755.0	—	7,046.7
August 1998 .....	W	W	—	678.9	1,747.3	4,826.8	—	6,574.1
<b>Missouri</b>								
August 1999 .....	691.5	—	306.0	997.5	6,309.8	—	2,240.5	8,550.4
July 1999 .....	751.8	—	335.1	1,086.9	6,432.2	—	2,326.1	8,758.3
August 1998 .....	979.0	—	—	979.0	7,835.2	—	—	7,835.2

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular				Midgrade			
	Conventional <sup>a</sup>	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Nebraska</b>								
August 1999 .....	2,007.7	—	—	2,007.7	100.0	—	—	100.0
July 1999 .....	2,103.9	—	—	2,103.9	101.2	—	—	101.2
August 1998 .....	2,087.7	—	—	2,087.7	112.3	—	—	112.3
<b>North Dakota</b>								
August 1999 .....	1,035.0	—	—	1,035.0	49.6	—	—	49.6
July 1999 .....	1,037.1	—	—	1,037.1	55.3	—	—	55.3
August 1998 .....	948.6	—	—	948.6	NA	—	—	NA
<b>Ohio</b>								
August 1999 .....	11,143.2	—	—	11,143.2	1,670.1	—	—	1,670.1
July 1999 .....	11,265.9	—	—	11,265.9	1,756.6	—	—	1,756.6
August 1998 .....	11,016.6	—	—	11,016.6	1,815.0	—	—	1,815.0
<b>Oklahoma</b>								
August 1999 .....	5,299.4	—	—	5,299.4	278.7	—	—	278.7
July 1999 .....	5,198.0	—	—	5,198.0	286.1	—	—	286.1
August 1998 .....	4,435.2	—	—	4,435.2	225.0	—	—	225.0
<b>South Dakota</b>								
August 1999 .....	1,086.0	—	—	1,086.0	55.1	—	—	55.1
July 1999 .....	1,195.1	—	—	1,195.1	64.5	—	—	64.5
August 1998 .....	1,116.4	—	—	1,116.4	72.5	—	—	72.5
<b>Tennessee</b>								
August 1999 .....	6,823.5	—	—	6,823.5	1,212.3	—	—	1,212.3
July 1999 .....	6,904.2	—	—	6,904.2	1,259.4	—	—	1,259.4
August 1998 .....	6,129.6	—	—	6,129.6	1,209.2	—	—	1,209.2
<b>Wisconsin</b>								
August 1999 .....	4,449.9	—	1,446.9	5,896.9	211.6	—	145.8	357.5
July 1999 .....	4,623.5	—	1,468.9	6,092.4	200.2	—	155.5	355.6
August 1998 .....	4,339.8	—	1,501.5	5,841.4	W	—	W	397.9
<b>PAD District III</b>								
August 1999 .....	30,851.7	—	9,360.2	40,211.9	3,798.6	—	1,691.7	5,490.4
July 1999 .....	31,339.2	—	9,070.7	40,409.8	3,958.1	—	1,708.5	5,666.6
August 1998 .....	29,700.2	W	W	38,155.2	W	W	W	5,760.3
<b>Alabama</b>								
August 1999 .....	4,161.1	—	—	4,161.1	721.4	—	—	721.4
July 1999 .....	4,239.3	—	—	4,239.3	744.6	—	—	744.6
August 1998 .....	4,135.5	—	—	4,135.5	642.7	—	—	642.7
<b>Arkansas</b>								
August 1999 .....	2,970.0	—	—	2,970.0	276.3	—	—	276.3
July 1999 .....	2,863.4	—	—	2,863.4	281.0	—	—	281.0
August 1998 .....	3,125.2	—	—	3,125.2	371.3	—	—	371.3
<b>Louisiana</b>								
August 1999 .....	4,264.5	—	—	4,264.5	696.0	—	—	696.0
July 1999 .....	4,119.3	—	—	4,119.3	717.5	—	—	717.5
August 1998 .....	W	—	W	3,977.3	764.1	—	—	764.1
<b>Mississippi</b>								
August 1999 .....	2,794.3	—	—	2,794.3	394.7	—	—	394.7
July 1999 .....	2,775.1	—	—	2,775.1	394.7	—	—	394.7
August 1998 .....	2,785.2	—	—	2,785.2	399.0	—	—	399.0
<b>New Mexico</b>								
August 1999 .....	2,137.1	—	—	2,137.1	178.6	—	—	178.6
July 1999 .....	2,198.2	—	—	2,198.2	196.0	—	—	196.0
August 1998 .....	W	W	—	2,058.1	W	W	—	189.8
<b>Texas</b>								
August 1999 .....	14,524.6	—	9,360.2	23,884.8	1,531.5	—	1,691.7	3,223.3
July 1999 .....	15,143.9	—	9,070.7	24,214.6	1,624.2	—	1,708.5	3,332.8
August 1998 .....	W	—	W	22,074.0	W	—	W	3,393.4
<b>PAD District IV</b>								
August 1999 .....	W	W	—	10,137.4	W	W	—	1,382.7
July 1999 .....	W	W	—	10,267.3	W	W	—	1,512.8
August 1998 .....	9,403.6	365.2	—	9,768.8	W	W	—	1,531.7
<b>Colorado</b>								
August 1999 .....	W	W	—	4,320.1	W	W	—	807.6
July 1999 .....	W	W	—	4,160.5	W	W	—	903.1
August 1998 .....	3,654.7	365.2	—	4,019.9	W	W	—	849.3

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Nebraska</b>								
August 1999 .....	177.7	—	—	177.7	2,285.5	—	—	2,285.5
July 1999 .....	183.0	—	—	183.0	2,388.1	—	—	2,388.1
August 1998 .....	170.0	—	—	170.0	2,370.1	—	—	2,370.1
<b>North Dakota</b>								
August 1999 .....	55.9	—	—	55.9	1,140.5	—	—	1,140.5
July 1999 .....	63.1	—	—	63.1	1,155.5	—	—	1,155.5
August 1998 .....	64.8	—	—	64.8	1,051.5	—	—	1,051.5
<b>Ohio</b>								
August 1999 .....	1,721.1	—	—	1,721.1	14,534.3	—	—	14,534.3
July 1999 .....	1,905.4	—	—	1,905.4	14,927.8	—	—	14,927.8
August 1998 .....	2,032.1	—	—	2,032.1	14,863.7	—	—	14,863.7
<b>Oklahoma</b>								
August 1999 .....	992.8	—	—	992.8	6,570.9	—	—	6,570.9
July 1999 .....	957.2	—	—	957.2	6,441.4	—	—	6,441.4
August 1998 .....	821.7	—	—	821.7	5,481.9	—	—	5,481.9
<b>South Dakota</b>								
August 1999 .....	117.0	—	—	117.0	1,258.1	—	—	1,258.1
July 1999 .....	98.1	—	—	98.1	1,357.7	—	—	1,357.7
August 1998 .....	93.4	—	—	93.4	1,282.3	—	—	1,282.3
<b>Tennessee</b>								
August 1999 .....	1,968.3	—	—	1,968.3	10,004.1	—	—	10,004.1
July 1999 .....	2,098.4	—	—	2,098.4	10,262.0	—	—	10,262.0
August 1998 .....	2,002.1	—	—	2,002.1	9,340.9	—	—	9,340.9
<b>Wisconsin</b>								
August 1999 .....	518.2	—	188.7	706.9	5,179.8	—	1,781.4	6,961.2
July 1999 .....	582.4	—	215.9	798.3	5,406.1	—	1,840.2	7,246.4
August 1998 .....	W	—	W	824.5	5,152.1	—	1,911.6	7,063.7
<b>PAD District III</b>								
August 1999 .....	6,171.2	—	2,345.7	8,516.9	40,821.5	—	13,397.6	54,219.1
July 1999 .....	6,753.7	—	2,347.8	9,101.5	42,051.0	—	13,127.0	55,178.0
August 1998 .....	W	W	2,407.2	9,394.5	40,709.4	W	W	53,310.0
<b>Alabama</b>								
August 1999 .....	1,165.3	—	—	1,165.3	6,047.8	—	—	6,047.8
July 1999 .....	1,265.2	—	—	1,265.2	6,249.1	—	—	6,249.1
August 1998 .....	1,328.0	—	—	1,328.0	6,106.2	—	—	6,106.2
<b>Arkansas</b>								
August 1999 .....	580.8	—	—	580.8	3,827.1	—	—	3,827.1
July 1999 .....	611.5	—	—	611.5	3,755.8	—	—	3,755.8
August 1998 .....	708.9	—	—	708.9	4,205.4	—	—	4,205.4
<b>Louisiana</b>								
August 1999 .....	1,087.5	—	—	1,087.5	6,048.1	—	—	6,048.1
July 1999 .....	1,189.9	—	—	1,189.9	6,026.7	—	—	6,026.7
August 1998 .....	1,249.8	—	—	1,249.8	W	—	W	5,991.3
<b>Mississippi</b>								
August 1999 .....	699.1	—	—	699.1	3,888.1	—	—	3,888.1
July 1999 .....	745.6	—	—	745.6	3,915.4	—	—	3,915.4
August 1998 .....	778.2	—	—	778.2	3,962.3	—	—	3,962.3
<b>New Mexico</b>								
August 1999 .....	346.4	—	—	346.4	2,662.2	—	—	2,662.2
July 1999 .....	370.6	—	—	370.6	2,764.9	—	—	2,764.9
August 1998 .....	W	W	—	367.2	W	W	—	2,615.0
<b>Texas</b>								
August 1999 .....	2,292.0	—	2,345.7	4,637.7	18,348.2	—	13,397.6	31,745.8
July 1999 .....	2,570.9	—	2,347.8	4,918.7	19,339.0	—	13,127.0	32,466.0
August 1998 .....	W	—	W	4,962.5	17,867.5	—	12,562.3	30,429.8
<b>PAD District IV</b>								
August 1999 .....	2,051.2	65.5	—	2,116.7	13,127.1	509.7	—	13,636.8
July 1999 .....	2,206.0	69.1	—	2,275.2	13,530.4	524.9	—	14,055.3
August 1998 .....	W	W	—	2,252.0	13,024.9	527.6	—	13,552.5
<b>Colorado</b>								
August 1999 .....	832.6	65.5	—	898.2	5,516.2	509.7	—	6,025.9
July 1999 .....	875.5	69.1	—	944.7	5,483.3	524.9	—	6,008.3
August 1998 .....	W	W	—	886.5	5,228.0	527.6	—	5,755.6

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular				Midgrade			
	Conventional <sup>a</sup>	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Idaho</b>								
August 1999 .....	1,321.0	—	—	1,321.0	136.3	—	—	136.3
July 1999 .....	1,508.9	—	—	1,508.9	148.0	—	—	148.0
August 1998 .....	1,429.5	—	—	1,429.5	164.5	—	—	164.5
<b>Montana</b>								
August 1999 .....	1,460.6	—	—	1,460.6	47.4	—	—	47.4
July 1999 .....	1,452.9	—	—	1,452.9	47.5	—	—	47.5
August 1998 .....	1,272.6	—	—	1,272.6	42.8	—	—	42.8
<b>Utah</b>								
August 1999 .....	2,218.2	—	—	2,218.2	374.5	—	—	374.5
July 1999 .....	2,251.4	—	—	2,251.4	395.1	—	—	395.1
August 1998 .....	2,236.3	—	—	2,236.3	453.6	—	—	453.6
<b>Wyoming</b>								
August 1999 .....	817.4	—	—	817.4	16.9	—	—	16.9
July 1999 .....	893.6	—	—	893.6	19.1	—	—	19.1
August 1998 .....	810.6	—	—	810.6	21.5	—	—	21.5
<b>PAD District V</b>								
August 1999 .....	W	W	32,311.1	47,669.5	W	W	5,337.1	6,972.6
July 1999 .....	W	W	31,960.8	47,513.1	W	W	5,425.4	7,153.0
August 1998 .....	13,495.5	W	W	45,627.1	1,720.3	W	W	8,010.8
<b>Alaska</b>								
August 1999 .....	821.2	—	—	821.2	NA	—	—	NA
July 1999 .....	928.2	—	—	928.2	NA	—	—	NA
August 1998 .....	769.7	—	—	769.7	29.1	—	—	29.1
<b>Arizona</b>								
August 1999 .....	W	—	W	4,284.6	W	—	W	570.5
July 1999 .....	W	—	W	4,416.2	W	—	W	628.9
August 1998 .....	1,799.6	W	W	4,371.9	W	—	W	606.2
<b>California</b>								
August 1999 .....	W	—	W	29,462.3	W	—	W	4,912.9
July 1999 .....	W	—	W	29,222.2	W	—	W	4,993.4
August 1998 .....	NA	—	27,790.2	27,945.4	12.6	—	5,666.4	5,679.0
<b>Hawaii</b>								
August 1999 .....	623.9	—	—	623.9	113.5	—	—	113.5
July 1999 .....	656.0	—	—	656.0	117.5	—	—	117.5
August 1998 .....	615.0	—	—	615.0	127.9	—	—	127.9
<b>Nevada</b>								
August 1999 .....	2,046.4	—	—	2,046.4	248.5	—	—	248.5
July 1999 .....	1,849.6	—	—	1,849.6	250.1	—	—	250.1
August 1998 .....	W	—	W	1,870.9	312.9	—	—	312.9
<b>Oregon</b>								
August 1999 .....	W	W	—	3,662.3	W	W	—	282.3
July 1999 .....	W	W	—	3,673.1	W	W	—	289.0
August 1998 .....	3,315.9	W	W	3,799.3	W	W	—	314.4
<b>Washington</b>								
August 1999 .....	5,266.4	1,502.5	—	6,768.9	679.2	134.7	—	813.9
July 1999 .....	5,188.3	1,579.5	—	6,767.8	691.8	149.1	—	840.9
August 1998 .....	W	W	—	6,255.1	W	W	—	941.3

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Idaho</b>								
August 1999 .....	199.6	—	—	199.6	1,656.9	—	—	1,656.9
July 1999 .....	243.2	—	—	243.2	1,900.1	—	—	1,900.1
August 1998 .....	236.8	—	—	236.8	1,830.8	—	—	1,830.8
<b>Montana</b>								
August 1999 .....	306.2	—	—	306.2	1,814.3	—	—	1,814.3
July 1999 .....	317.5	—	—	317.5	1,817.9	—	—	1,817.9
August 1998 .....	317.9	—	—	317.9	1,633.3	—	—	1,633.3
<b>Utah</b>								
August 1999 .....	523.3	—	—	523.3	3,116.0	—	—	3,116.0
July 1999 .....	559.5	—	—	559.5	3,206.0	—	—	3,206.0
August 1998 .....	607.8	—	—	607.8	3,297.7	—	—	3,297.7
<b>Wyoming</b>								
August 1999 .....	189.5	—	—	189.5	1,023.8	—	—	1,023.8
July 1999 .....	210.3	—	—	210.3	1,123.0	—	—	1,123.0
August 1998 .....	203.0	—	—	203.0	1,035.1	—	—	1,035.1
<b>PAD District V</b>								
August 1999 .....	2,345.3	218.0	6,463.3	9,026.6	17,182.4	2,374.8	44,111.5	63,668.7
July 1999 .....	2,482.0	247.3	6,755.2	9,484.5	17,481.2	2,527.9	44,141.5	64,150.5
August 1998 .....	2,718.5	199.7	7,659.1	10,577.4	17,934.4	W	W	64,215.3
<b>Alaska</b>								
August 1999 .....	W	W	—	89.8	W	W	—	942.0
July 1999 .....	W	W	—	94.8	W	W	—	1,056.2
August 1998 .....	W	W	—	92.1	W	W	—	890.8
<b>Arizona</b>								
August 1999 .....	W	—	W	707.4	W	—	W	5,562.5
July 1999 .....	W	—	W	785.4	W	—	W	5,830.5
August 1998 .....	W	W	543.7	844.0	W	W	3,500.2	5,822.1
<b>California</b>								
August 1999 .....	W	—	W	5,985.6	W	—	W	40,360.8
July 1999 .....	W	—	W	6,269.6	W	—	W	40,485.3
August 1998 .....	NA	—	7,115.3	7,163.4	NA	—	40,571.9	40,787.8
<b>Hawaii</b>								
August 1999 .....	278.4	—	—	278.4	1,015.8	—	—	1,015.8
July 1999 .....	281.4	—	—	281.4	1,054.9	—	—	1,054.9
August 1998 .....	272.3	—	—	272.3	1,015.2	—	—	1,015.2
<b>Nevada</b>								
August 1999 .....	380.3	—	—	380.3	2,675.2	—	—	2,675.2
July 1999 .....	381.6	—	—	381.6	2,481.4	—	—	2,481.4
August 1998 .....	W	—	W	445.9	W	—	W	2,629.7
<b>Oregon</b>								
August 1999 .....	W	W	—	465.2	W	W	—	4,409.7
July 1999 .....	W	W	—	483.1	W	W	—	4,445.1
August 1998 .....	W	W	W	545.8	4,086.1	W	W	4,659.5
<b>Washington</b>								
August 1999 .....	952.9	NA	—	1,119.9	6,898.5	1,804.2	—	8,702.7
July 1999 .....	999.1	NA	—	1,188.5	6,879.2	1,918.0	—	8,797.2
August 1998 .....	W	W	—	1,213.9	W	W	—	8,410.2

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes leaded gasoline data.

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

Source: Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**  
(Thousand Gallons per Day)

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil
<b>United States</b>							
August 1999 .....	1,020.9	361.1	62,268.4	35,075.4	6,553.5	21,708.6	28,262.2
July 1999 .....	1,098.6	319.2	62,331.8	28,688.4	8,210.6	19,596.7	27,807.3
August 1998 .....	931.9	619.7	63,179.7	28,960.6	11,143.6	21,886.5	33,030.2
<b>PAD District I</b>							
August 1999 .....	202.9	W	14,739.5	5,513.9	4,568.1	9,087.4	13,655.4
July 1999 .....	209.9	W	14,135.0	4,184.0	6,508.7	7,772.5	14,281.3
August 1998 .....	193.2	W	14,801.7	5,226.2	9,031.9	12,970.1	22,002.0
<b>Subdistrict IA</b>							
August 1999 .....	26.0	-	1,629.2	348.5	W	W	1,355.3
July 1999 .....	27.5	-	1,446.6	283.5	W	W	1,393.1
August 1998 .....	24.1	-	1,457.1	300.5	1,308.7	1,818.6	3,127.3
<b>Connecticut</b>							
August 1999 .....	3.4	-	360.2	70.0	W	-	W
July 1999 .....	4.9	-	250.4	54.2	W	-	W
August 1998 .....	3.6	-	NA	65.7	6.6	W	W
<b>Maine</b>							
August 1999 .....	3.0	-	103.7	51.5	W	W	825.5
July 1999 .....	W	-	109.9	41.3	W	W	1,003.1
August 1998 .....	W	-	94.7	49.7	946.5	340.8	1,287.4
<b>Massachusetts</b>							
August 1999 .....	12.0	-	949.2	71.8	200.4	35.0	235.4
July 1999 .....	15.1	-	881.9	54.0	66.2	35.9	102.2
August 1998 .....	8.9	-	947.5	58.2	73.8	1,215.3	1,289.1
<b>New Hampshire</b>							
August 1999 .....	2.1	-	88.1	79.4	W	W	W
July 1999 .....	2.9	-	79.0	69.4	W	W	NA
August 1998 .....	2.1	-	72.4	66.5	W	W	319.3
<b>Rhode Island</b>							
August 1999 .....	W	-	113.0	22.5	W	-	W
July 1999 .....	W	-	112.6	20.6	W	-	W
August 1998 .....	W	-	103.4	21.6	W	W	100.4
<b>Vermont</b>							
August 1999 .....	W	-	15.0	53.3	W	W	22.5
July 1999 .....	W	-	12.8	44.0	W	W	W
August 1998 .....	W	-	14.3	38.6	-	W	W
<b>Subdistrict IB</b>							
August 1999 .....	53.8	W	6,766.0	1,828.5	3,190.6	3,409.6	6,600.2
July 1999 .....	53.9	W	6,565.8	1,620.7	4,336.4	3,636.7	7,973.1
August 1998 .....	54.1	W	7,442.2	1,568.8	4,975.1	5,827.4	10,802.5
<b>Delaware</b>							
August 1999 .....	2.7	-	12.8	113.9	NA	239.6	NA
July 1999 .....	1.7	-	13.0	W	NA	507.2	1,048.4
August 1998 .....	2.0	-	W	W	W	381.1	W
<b>District of Columbia</b>							
August 1999 .....	-	-	-	W	-	-	-
July 1999 .....	-	-	-	W	W	-	W
August 1998 .....	-	-	W	-	W	-	W
<b>Maryland</b>							
August 1999 .....	6.0	-	382.6	W	W	W	366.4
July 1999 .....	4.8	-	373.8	62.0	W	74.9	W
August 1998 .....	6.4	-	343.8	W	629.6	101.2	730.9
<b>New Jersey</b>							
August 1999 .....	12.8	-	3,798.6	547.7	W	W	1,117.6
July 1999 .....	14.8	-	3,641.0	427.7	802.7	845.8	1,648.6
August 1998 .....	NA	-	3,728.6	349.2	906.5	781.9	1,688.4
<b>New York</b>							
August 1999 .....	14.1	-	1,170.0	371.8	1,589.3	1,774.7	3,364.0
July 1999 .....	13.4	-	1,136.4	342.3	2,106.2	1,538.6	3,644.8
August 1998 .....	11.2	-	1,433.8	381.4	2,263.8	2,409.0	4,672.7
<b>Pennsylvania</b>							
August 1999 .....	18.2	W	1,401.9	713.7	NA	768.5	1,140.1
July 1999 .....	19.2	W	1,401.6	658.4	NA	670.1	1,143.6
August 1998 .....	14.7	W	1,890.7	607.9	988.0	2,154.3	3,142.3

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil			
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil	
<b>Subdistrict IC</b>								
August 1999 .....	123.1	W	6,344.3	3,336.9	W	W	5,699.9	
July 1999 .....	128.5	W	6,122.5	2,279.7	W	W	4,915.1	
August 1998 .....	115.1	W	5,902.5	3,356.9	2,748.1	5,324.1	8,072.2	
<b>Florida</b>								
August 1999 .....	62.5	—	2,532.9	602.4	W	W	4,201.8	
July 1999 .....	64.7	—	2,514.4	550.7	W	W	3,593.4	
August 1998 .....	54.1	—	2,576.9	627.9	W	W	5,344.4	
<b>Georgia</b>								
August 1999 .....	22.2	W	1,967.1	651.2	—	247.1	247.1	
July 1999 .....	22.3	W	1,811.8	418.4	—	158.8	158.8	
August 1998 .....	21.4	W	1,496.3	684.4	—	167.7	167.7	
<b>North Carolina</b>								
August 1999 .....	NA	—	657.5	1,152.2	W	W	513.4	
July 1999 .....	NA	—	665.5	683.5	W	W	551.1	
August 1998 .....	18.7	—	670.7	1,218.1	W	W	573.4	
<b>South Carolina</b>								
August 1999 .....	6.2	—	145.6	542.3	W	W	W	
July 1999 .....	7.6	—	157.3	330.4	W	W	W	
August 1998 .....	7.2	—	142.3	405.2	W	W	W	
<b>Virginia</b>								
August 1999 .....	9.0	—	1,022.2	317.4	15.4	376.7	392.1	
July 1999 .....	10.2	—	954.1	247.2	10.0	366.5	376.5	
August 1998 .....	10.8	—	997.9	362.8	1,012.1	691.1	1,703.2	
<b>West Virginia</b>								
August 1999 .....	3.1	—	19.0	71.4	W	W	W	
July 1999 .....	3.1	—	19.5	49.5	W	—	W	
August 1998 .....	2.8	—	18.4	58.5	W	W	W	
<b>PAD District II</b>								
August 1999 .....	341.5	W	10,255.1	8,384.5	259.1	363.4	622.5	
July 1999 .....	350.9	W	10,461.5	6,596.6	W	W	361.6	
August 1998 .....	281.0	W	10,272.4	8,048.7	W	W	580.0	
<b>Illinois</b>								
August 1999 .....	24.4	—	1,229.9	876.4	W	W	W	
July 1999 .....	24.1	—	1,422.9	687.4	—	W	W	
August 1998 .....	W	—	1,412.0	1,040.4	W	W	W	
<b>Indiana</b>								
August 1999 .....	10.4	—	972.3	479.3	W	—	W	
July 1999 .....	10.9	—	864.4	390.2	W	—	W	
August 1998 .....	13.0	—	NA	513.0	W	W	W	
<b>Iowa</b>								
August 1999 .....	10.8	—	89.1	834.6	—	W	W	
July 1999 .....	11.9	—	92.8	527.8	—	W	W	
August 1998 .....	18.2	—	125.4	507.7	—	—	—	
<b>Kansas</b>								
August 1999 .....	68.8	—	213.0	1,470.4	—	W	W	
July 1999 .....	60.0	—	182.4	1,291.2	—	W	W	
August 1998 .....	14.8	—	185.4	1,506.4	—	W	W	
<b>Kentucky</b>								
August 1999 .....	4.7	W	646.8	493.4	W	—	W	
July 1999 .....	3.8	—	664.9	412.5	W	—	W	
August 1998 .....	4.0	—	622.9	426.5	W	W	W	
<b>Michigan</b>								
August 1999 .....	NA	—	413.0	671.6	—	W	W	
July 1999 .....	NA	—	NA	550.6	—	37.1	37.1	
August 1998 .....	45.2	—	857.8	772.2	—	16.2	16.2	
<b>Minnesota</b>								
August 1999 .....	20.8	—	1,179.9	696.8	—	133.6	133.6	
July 1999 .....	21.2	—	1,387.0	523.9	—	120.9	120.9	
August 1998 .....	39.0	—	1,256.2	603.9	—	138.1	138.1	
<b>Missouri</b>								
August 1999 .....	17.5	—	NA	670.6	—	—	—	
July 1999 .....	16.9	—	1,369.6	391.7	—	—	—	
August 1998 .....	15.6	—	1,322.2	710.5	W	—	W	

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil
<b>Nebraska</b>							
August 1999 .....	W	—	118.6	328.1	—	W	W
July 1999 .....	W	—	122.1	426.1	—	—	—
August 1998 .....	W	—	111.4	291.6	—	—	—
<b>North Dakota</b>							
August 1999 .....	3.0	—	25.2	252.6	—	—	—
July 1999 .....	7.1	—	25.5	201.4	—	—	—
August 1998 .....	3.9	—	NA	172.6	—	—	—
<b>Ohio</b>							
August 1999 .....	NA	—	1,970.5	388.3	W	W	74.4
July 1999 .....	NA	—	2,031.7	324.3	W	W	46.5
August 1998 .....	54.1	W	1,518.0	374.9	W	W	117.5
<b>Oklahoma</b>							
August 1999 .....	15.0	—	674.3	384.3	—	W	W
July 1999 .....	14.5	—	646.7	290.8	—	W	W
August 1998 .....	11.2	—	659.1	303.0	—	—	—
<b>South Dakota</b>							
August 1999 .....	10.5	—	92.8	140.0	—	W	W
July 1999 .....	11.9	—	95.6	80.8	—	W	W
August 1998 .....	8.7	—	47.5	132.2	—	W	W
<b>Tennessee</b>							
August 1999 .....	W	W	1,167.3	317.5	W	W	16.2
July 1999 .....	W	W	1,095.0	194.8	W	W	17.6
August 1998 .....	25.2	—	1,049.6	266.5	W	W	18.5
<b>Wisconsin</b>							
August 1999 .....	18.7	—	145.9	380.5	—	W	W
July 1999 .....	26.0	—	135.7	303.2	—	W	W
August 1998 .....	W	—	194.1	427.3	W	W	W
<b>PAD District III</b>							
August 1999 .....	146.0	W	17,303.3	18,157.4	W	W	7,233.4
July 1999 .....	158.1	W	17,532.1	15,170.9	W	W	6,552.3
August 1998 .....	156.3	W	16,766.4	12,918.0	664.0	4,760.6	5,424.5
<b>Alabama</b>							
August 1999 .....	W	W	NA	298.8	W	W	407.9
July 1999 .....	12.4	W	469.3	200.6	W	W	W
August 1998 .....	10.6	W	420.5	288.5	W	W	125.3
<b>Arkansas</b>							
August 1999 .....	12.7	—	103.1	279.5	—	—	—
July 1999 .....	13.0	—	182.8	165.3	—	—	—
August 1998 .....	12.2	—	139.5	169.7	—	—	—
<b>Louisiana</b>							
August 1999 .....	14.7	—	3,544.0	2,804.4	—	4,712.5	4,712.5
July 1999 .....	W	—	4,104.6	2,054.2	—	3,019.7	3,019.7
August 1998 .....	12.3	—	3,041.8	838.7	W	W	2,965.1
<b>Mississippi</b>							
August 1999 .....	13.3	W	930.5	551.2	—	W	W
July 1999 .....	12.6	W	1,157.9	549.8	W	W	W
August 1998 .....	10.8	W	706.7	720.1	W	NA	W
<b>New Mexico</b>							
August 1999 .....	W	—	287.8	188.5	W	—	W
July 1999 .....	W	—	273.9	165.8	—	—	—
August 1998 .....	14.6	—	216.1	212.8	W	—	W
<b>Texas</b>							
August 1999 .....	81.5	—	11,937.2	14,034.9	W	W	1,906.7
July 1999 .....	95.5	—	11,343.5	12,035.3	NA	2,864.9	2,865.6
August 1998 .....	95.8	—	12,241.7	10,688.2	W	W	1,849.2
<b>PAD District IV</b>							
August 1999 .....	56.8	—	1,356.1	789.5	W	W	32.9
July 1999 .....	77.3	—	1,335.7	656.8	W	W	32.8
August 1998 .....	51.9	—	1,781.4	789.5	W	W	32.7
<b>Colorado</b>							
August 1999 .....	22.5	—	NA	239.6	W	—	W
July 1999 .....	29.9	—	613.6	175.0	W	—	W
August 1998 .....	23.0	—	771.6	231.2	W	—	W

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil
<b>Idaho</b>							
August 1999 .....	9.0	—	86.5	58.6	—	—	—
July 1999 .....	11.2	—	103.4	51.2	—	—	—
August 1998 .....	6.7	—	86.7	55.5	W	—	W
<b>Montana</b>							
August 1999 .....	11.0	—	95.7	161.0	—	W	W
July 1999 .....	14.8	—	99.3	149.8	—	W	W
August 1998 .....	W	—	101.6	154.8	—	W	W
<b>Utah</b>							
August 1999 .....	10.9	—	446.0	76.3	W	—	W
July 1999 .....	17.0	—	494.6	73.4	—	W	W
August 1998 .....	7.3	—	807.7	110.6	W	—	W
<b>Wyoming</b>							
August 1999 .....	3.3	—	32.1	254.0	W	W	W
July 1999 .....	4.5	—	24.9	207.5	W	W	W
August 1998 .....	W	—	13.8	237.4	W	W	W
<b>PAD District V</b>							
August 1999 .....	273.7	3.3	18,614.3	2,230.2	1,651.0	5,067.0	6,718.0
July 1999 .....	302.3	6.3	18,867.6	2,080.1	1,354.5	5,224.8	6,579.4
August 1998 .....	249.5	14.0	19,557.8	1,978.3	1,182.0	3,809.0	4,991.0
<b>Alaska</b>							
August 1999 .....	89.0	W	2,715.9	W	—	W	W
July 1999 .....	112.1	W	2,812.5	W	—	W	W
August 1998 .....	67.3	W	2,524.4	W	—	—	—
<b>Arizona</b>							
August 1999 .....	18.2	—	788.9	215.5	W	—	W
July 1999 .....	17.2	—	900.9	246.0	W	—	W
August 1998 .....	16.8	—	921.6	143.4	W	—	W
<b>California</b>							
August 1999 .....	102.2	W	10,216.3	1,312.9	W	W	3,388.4
July 1999 .....	105.6	W	10,409.6	1,201.9	W	W	3,271.1
August 1998 .....	102.8	W	11,341.3	1,168.1	395.9	1,620.2	2,016.1
<b>Hawaii</b>							
August 1999 .....	W	—	868.4	W	W	W	W
July 1999 .....	W	—	803.5	W	W	W	W
August 1998 .....	W	—	1,087.5	W	W	W	W
<b>Nevada</b>							
August 1999 .....	W	—	714.6	122.0	W	—	W
July 1999 .....	W	—	697.5	117.2	W	—	W
August 1998 .....	13.5	—	663.5	86.6	W	W	W
<b>Oregon</b>							
August 1999 .....	21.1	—	748.1	106.1	—	449.9	449.9
July 1999 .....	24.3	—	681.5	88.8	—	370.0	370.0
August 1998 .....	W	—	689.9	108.3	W	W	332.9
<b>Washington</b>							
August 1999 .....	27.2	—	2,562.1	367.2	—	1,377.6	1,377.6
July 1999 .....	29.2	—	2,562.2	306.8	—	1,663.9	1,663.9
August 1998 .....	28.7	—	2,329.6	359.7	W	W	1,675.9

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene by PAD District and State**  
(Thousand Gallons per Day)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate		
				Low-Sulfur	High-Sulfur	Total			
<b>United States</b>									
August 1999 .....	819.0	1,003.1	20,016.1	94,988.8	19,763.2	114,752.1	134,768.1	462.9	137,053.2
July 1999 .....	781.6	698.0	18,688.9	90,495.2	19,741.9	110,237.1	128,926.0	493.3	130,898.9
August 1998 .....	1,650.5	817.1	20,522.2	92,260.8	20,399.3	112,660.1	133,182.3	501.3	136,151.2
<b>PAD District I</b>									
August 1999 .....	449.3	231.4	11,019.8	24,703.9	3,437.3	28,141.2	39,161.0	346.5	40,188.2
July 1999 .....	446.8	166.7	10,350.7	23,601.2	3,674.8	27,276.0	37,626.7	355.7	38,596.0
August 1998 .....	692.9	195.1	11,637.9	25,472.1	4,068.9	29,541.0	41,178.9	400.8	42,467.7
<b>Subdistrict IA</b>									
August 1999 .....	96.4	W	1,738.1	1,986.8	NA	2,298.8	4,036.9	W	4,160.4
July 1999 .....	153.4	W	1,487.9	1,903.3	NA	2,231.4	3,719.3	W	3,902.7
August 1998 .....	89.5	W	2,529.4	2,410.6	409.3	2,819.9	5,349.3	W	5,505.8
<b>Connecticut</b>									
August 1999 .....	W	-	385.0	430.4	NA	495.1	880.1	W	922.0
July 1999 .....	W	-	333.0	W	W	496.4	829.4	W	912.1
August 1998 .....	25.0	W	565.6	W	W	661.1	1,226.7	W	1,269.6
<b>Maine</b>									
August 1999 .....	W	-	311.3	370.3	16.5	386.8	698.1	W	734.4
July 1999 .....	W	-	281.6	373.6	10.9	384.6	666.2	W	677.2
August 1998 .....	24.4	W	517.8	457.5	29.9	487.3	1,005.2	W	1,037.7
<b>Massachusetts</b>									
August 1999 .....	W	W	475.1	623.7	NA	813.0	1,288.2	9.8	1,301.9
July 1999 .....	W	W	412.7	563.7	NA	768.8	1,181.5	13.9	1,219.0
August 1998 .....	W	-	820.6	799.8	198.4	998.2	1,818.8	W	1,871.5
<b>New Hampshire</b>									
August 1999 .....	W	-	311.0	W	W	336.9	648.0	W	667.8
July 1999 .....	W	-	269.7	W	W	308.8	578.5	W	612.0
August 1998 .....	15.3	-	314.5	279.6	6.1	285.7	600.3	5.3	620.9
<b>Rhode Island</b>									
August 1999 .....	W	-	101.7	74.5	NA	95.0	196.7	W	201.5
July 1999 .....	W	NA	57.6	84.0	NA	106.0	163.6	W	170.5
August 1998 .....	W	-	250.6	W	W	292.3	542.9	W	546.8
<b>Vermont</b>									
August 1999 .....	W	-	153.9	W	W	171.9	325.8	W	332.8
July 1999 .....	8.6	-	133.3	151.1	15.8	166.9	300.2	3.1	311.9
August 1998 .....	1.4	-	60.2	84.2	11.1	95.3	155.5	2.4	159.3
<b>Subdistrict IB</b>									
August 1999 .....	239.8	171.5	6,239.4	8,841.0	503.1	9,344.1	15,583.5	310.3	16,305.1
July 1999 .....	W	W	6,084.0	8,547.5	534.6	9,082.1	15,166.1	316.2	15,820.7
August 1998 .....	425.5	172.7	5,933.5	8,758.6	524.5	9,283.1	15,216.7	321.2	16,136.1
<b>Delaware</b>									
August 1999 .....	2.3	-	W	127.6	W	W	251.6	-	253.8
July 1999 .....	W	-	89.7	W	W	115.9	205.6	W	206.2
August 1998 .....	W	-	113.8	232.2	W	W	W	W	358.1
<b>District of Columbia</b>									
August 1999 .....	W	-	W	18.3	W	W	86.9	W	269.0
July 1999 .....	W	-	97.6	W	W	17.0	114.6	W	298.4
August 1998 .....	-	-	19.7	26.2	W	W	W	W	208.7
<b>Maryland</b>									
August 1999 .....	23.3	W	282.9	729.4	50.4	779.8	1,062.7	W	1,093.5
July 1999 .....	46.5	W	272.9	670.7	46.1	716.8	989.7	W	1,042.9
August 1998 .....	13.8	W	331.3	852.2	65.3	917.5	1,248.8	W	1,267.9
<b>New Jersey</b>									
August 1999 .....	W	W	1,837.2	2,353.5	225.1	2,578.5	4,415.8	26.4	4,547.5
July 1999 .....	47.3	W	1,736.9	2,504.7	215.3	2,720.0	4,456.9	W	4,525.6
August 1998 .....	178.2	W	1,526.7	2,264.5	173.7	2,438.3	3,964.9	W	4,219.2
<b>New York</b>									
August 1999 .....	W	W	1,988.3	1,818.8	115.5	1,934.4	3,922.7	110.3	4,248.1
July 1999 .....	W	W	1,852.7	1,867.3	121.7	1,989.0	3,841.8	114.6	4,156.7
August 1998 .....	W	W	1,612.7	1,801.0	190.8	1,991.8	3,604.5	115.1	4,026.9
<b>Pennsylvania</b>									
August 1999 .....	37.0	W	1,948.3	3,793.4	102.1	3,895.5	5,843.8	W	5,893.1
July 1999 .....	17.6	W	2,034.2	3,385.7	137.6	3,523.3	5,557.5	W	5,590.8
August 1998 .....	52.2	W	2,329.3	3,582.5	85.2	3,667.6	5,997.0	W	6,055.2

See footnotes at end of table.

**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene	
			No. 2 Fuel Oil	No. 2 Diesel Fuel		No. 2 Distillate			
				Low-Sulfur	High-Sulfur				Total
<b>Subdistrict IC</b>									
August 1999 .....	113.1	W	3,042.4	13,876.1	2,622.1	16,498.2	19,540.6	W	19,722.7
July 1999 .....	W	W	2,778.8	13,150.4	2,812.1	15,962.5	18,741.3	W	18,872.6
August 1998 .....	177.9	W	3,174.9	14,302.9	3,135.1	17,438.0	20,612.9	W	20,825.8
<b>Florida</b>									
August 1999 .....	W	W	589.6	3,801.8	1,039.7	4,841.5	5,431.2	W	5,482.2
July 1999 .....	NA	W	565.3	3,563.6	1,082.0	4,645.6	5,210.9	W	5,254.6
August 1998 .....	W	—	611.5	3,861.0	1,399.6	5,260.7	5,872.2	W	5,891.9
<b>Georgia</b>									
August 1999 .....	4.2	—	496.8	3,845.0	568.1	4,413.2	4,909.9	—	4,914.2
July 1999 .....	6.5	—	414.9	3,805.8	372.1	4,177.9	4,592.8	—	4,599.4
August 1998 .....	9.8	W	392.7	3,619.2	620.2	4,239.4	4,632.1	W	4,644.0
<b>North Carolina</b>									
August 1999 .....	25.2	W	488.9	2,383.3	527.4	2,910.7	3,399.6	W	3,434.7
July 1999 .....	W	W	423.5	2,212.8	564.7	2,777.6	3,201.1	—	3,237.1
August 1998 .....	55.2	W	665.1	2,414.6	469.0	2,883.6	3,548.7	W	3,609.8
<b>South Carolina</b>									
August 1999 .....	7.5	—	257.4	1,385.3	195.9	1,581.3	1,838.7	—	1,846.2
July 1999 .....	6.6	—	209.6	1,282.5	226.5	1,509.0	1,718.6	—	1,725.2
August 1998 .....	W	W	270.5	1,483.1	203.4	1,686.5	1,957.0	—	2,003.0
<b>Virginia</b>									
August 1999 .....	37.9	W	776.9	1,918.9	202.7	2,121.6	2,898.5	W	2,948.6
July 1999 .....	27.2	W	776.3	1,753.8	493.4	2,247.2	3,023.5	W	3,056.8
August 1998 .....	48.0	W	729.0	2,393.7	328.5	2,722.2	3,451.2	W	3,514.7
<b>West Virginia</b>									
August 1999 .....	W	W	432.7	541.7	88.3	629.9	1,062.7	—	1,096.9
July 1999 .....	W	W	389.2	531.8	73.5	605.3	994.4	—	999.5
August 1998 .....	W	W	506.1	531.4	114.4	645.7	1,151.8	—	1,162.4
<b>PAD District II</b>									
August 1999 .....	90.2	420.0	6,155.8	33,193.9	5,192.9	38,386.8	44,542.6	6.0	45,058.8
July 1999 .....	W	331.4	6,145.9	31,320.4	4,868.5	36,188.9	42,334.8	W	42,726.9
August 1998 .....	W	309.5	6,549.2	30,160.8	4,797.8	34,958.6	41,507.8	W	41,992.2
<b>Illinois</b>									
August 1999 .....	5.5	122.9	1,285.8	3,016.6	611.4	3,628.0	4,913.8	—	5,042.2
July 1999 .....	2.4	97.3	1,213.6	2,652.1	428.5	3,080.6	4,294.2	—	4,393.9
August 1998 .....	14.1	NA	1,279.5	2,966.4	448.6	3,415.0	4,694.5	—	4,752.8
<b>Indiana</b>									
August 1999 .....	W	79.8	539.1	3,367.1	446.0	3,813.1	4,352.3	W	4,444.2
July 1999 .....	4.5	W	720.2	3,035.4	412.3	3,447.7	4,167.9	W	4,224.6
August 1998 .....	24.9	W	765.1	3,441.2	222.7	3,663.8	4,428.9	W	4,469.0
<b>Iowa</b>									
August 1999 .....	4.6	11.5	112.4	1,775.1	91.6	1,866.7	1,979.2	—	1,995.4
July 1999 .....	W	W	135.3	1,723.8	105.4	1,829.2	1,964.5	—	1,981.8
August 1998 .....	W	W	148.8	1,698.1	127.7	1,825.8	1,974.5	—	1,996.3
<b>Kansas</b>									
August 1999 .....	W	W	W	1,845.1	W	W	2,166.3	—	2,170.8
July 1999 .....	W	W	113.9	1,929.9	234.7	2,164.6	2,278.5	—	2,281.7
August 1998 .....	1.5	12.2	65.6	1,793.7	248.9	2,042.7	2,108.3	—	2,122.0
<b>Kentucky</b>									
August 1999 .....	7.1	W	657.8	1,937.5	372.7	2,310.2	2,968.0	W	2,982.9
July 1999 .....	2.7	W	641.5	1,792.9	328.9	2,121.8	2,763.3	W	2,771.2
August 1998 .....	11.6	W	660.3	1,706.2	387.8	2,094.0	2,754.3	W	2,772.0
<b>Michigan</b>									
August 1999 .....	14.2	32.5	475.5	3,108.0	255.4	3,363.3	3,838.8	—	3,885.4
July 1999 .....	10.1	28.8	463.3	2,846.8	223.0	3,069.8	3,533.1	—	3,571.9
August 1998 .....	4.7	NA	525.5	2,401.9	325.0	2,726.8	3,252.4	—	3,288.8
<b>Minnesota</b>									
August 1999 .....	W	55.7	324.2	1,989.0	309.6	2,298.5	2,622.7	W	2,682.4
July 1999 .....	1.0	47.6	380.5	1,926.9	219.8	2,146.7	2,527.2	—	2,575.8
August 1998 .....	W	62.7	521.3	1,547.5	274.3	1,821.8	2,343.1	W	2,467.7
<b>Missouri</b>									
August 1999 .....	W	41.2	269.4	2,468.9	123.4	2,592.3	2,861.7	W	2,906.0
July 1999 .....	W	44.1	309.0	2,198.2	127.0	2,325.2	2,634.1	W	2,682.0
August 1998 .....	1.5	12.2	144.9	2,400.3	195.2	2,595.5	2,740.3	—	2,754.1

See footnotes at end of table.

**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate		
				Low-Sulfur	High-Sulfur	Total			
<b>Nebraska</b>									
August 1999 .....	W	W	192.0	1,083.6	622.2	1,705.8	1,897.8	—	1,906.8
July 1999 .....	W	W	261.4	1,205.8	505.3	1,711.1	1,972.5	—	1,978.4
August 1998 .....	W	W	80.9	1,082.0	731.9	1,813.9	1,894.7	—	1,904.8
<b>North Dakota</b>									
August 1999 .....	—	8.6	W	646.2	W	W	864.1	—	872.6
July 1999 .....	—	6.7	W	566.9	W	W	752.2	—	758.9
August 1998 .....	W	W	NA	671.8	NA	739.2	944.5	—	955.8
<b>Ohio</b>									
August 1999 .....	W	W	1,190.2	3,629.8	NA	4,222.6	5,412.8	—	5,446.9
July 1999 .....	12.4	18.3	969.2	3,474.3	NA	4,060.4	5,029.6	—	5,060.2
August 1998 .....	28.2	W	1,061.9	3,418.2	719.5	4,137.7	5,199.6	W	5,252.8
<b>Oklahoma</b>									
August 1999 .....	NA	1.6	228.1	2,386.9	647.3	3,034.2	3,262.3	—	3,266.4
July 1999 .....	2.0	1.7	222.5	2,489.2	809.0	3,298.1	3,520.6	—	3,524.3
August 1998 .....	0.3	1.9	419.5	1,976.2	256.7	2,232.9	2,652.5	—	2,654.6
<b>South Dakota</b>									
August 1999 .....	W	W	15.1	578.9	10.0	588.9	604.0	—	611.8
July 1999 .....	W	W	W	590.5	W	W	649.2	—	651.4
August 1998 .....	W	W	NA	587.4	17.8	605.1	634.0	—	646.4
<b>Tennessee</b>									
August 1999 .....	W	W	290.6	3,204.3	582.6	3,786.9	4,077.5	—	4,099.1
July 1999 .....	W	W	283.5	2,857.0	568.4	3,425.4	3,708.9	—	3,720.3
August 1998 .....	19.1	W	245.2	2,546.5	551.5	3,097.9	3,343.1	W	3,368.7
<b>Wisconsin</b>									
August 1999 .....	W	20.6	350.6	2,157.0	213.8	2,370.7	2,721.4	W	2,746.1
July 1999 .....	W	8.9	308.1	2,030.7	200.2	2,231.0	2,539.1	W	2,550.4
August 1998 .....	W	41.9	396.5	1,923.6	222.9	2,146.5	2,543.0	W	2,586.3
<b>PAD District III</b>									
August 1999 .....	W	W	2,068.4	16,277.0	7,365.3	23,642.3	25,710.6	—	26,021.2
July 1999 .....	W	W	1,764.4	15,197.3	7,672.1	22,869.4	24,633.8	W	24,933.2
August 1998 .....	773.5	W	1,882.2	15,215.9	7,038.9	22,254.8	24,136.9	W	24,938.7
<b>Alabama</b>									
August 1999 .....	6.4	—	337.7	W	W	1,698.5	2,036.2	—	2,042.5
July 1999 .....	3.6	—	304.7	1,365.3	173.9	1,539.1	1,843.9	—	1,847.5
August 1998 .....	7.1	—	333.1	1,631.8	321.0	1,952.8	2,286.0	—	2,293.1
<b>Arkansas</b>									
August 1999 .....	W	—	107.1	1,687.4	W	W	W	—	2,531.2
July 1999 .....	W	—	70.9	1,558.0	W	W	W	—	2,510.8
August 1998 .....	0.8	—	NA	1,820.8	570.7	2,391.6	2,474.1	—	2,474.9
<b>Louisiana</b>									
August 1999 .....	W	—	630.9	W	3,054.1	W	W	—	5,444.8
July 1999 .....	W	—	557.5	1,293.5	W	W	W	—	5,214.8
August 1998 .....	W	—	588.0	1,511.9	W	W	W	—	5,191.8
<b>Mississippi</b>									
August 1999 .....	W	—	198.4	1,148.9	W	W	W	—	2,054.1
July 1999 .....	W	—	195.5	1,125.0	847.7	1,972.7	2,168.2	W	2,172.1
August 1998 .....	W	—	209.1	1,293.5	W	W	2,087.3	W	2,091.1
<b>New Mexico</b>									
August 1999 .....	W	W	—	1,147.9	99.9	1,247.9	1,247.9	—	1,248.9
July 1999 .....	W	W	—	1,039.3	101.2	1,140.5	1,140.5	—	1,140.8
August 1998 .....	W	W	—	1,061.0	W	W	W	—	1,209.5
<b>Texas</b>									
August 1999 .....	10.2	NA	794.2	9,347.1	2,512.3	11,859.4	12,653.6	—	12,699.6
July 1999 .....	W	W	635.7	8,816.4	2,561.0	11,377.4	12,013.0	—	12,047.2
August 1998 .....	W	W	669.4	7,896.8	2,679.2	10,576.0	11,245.4	—	11,678.3
<b>PAD District IV</b>									
August 1999 .....	W	W	W	5,617.3	W	W	6,694.5	—	6,752.1
July 1999 .....	W	W	14.1	5,475.0	928.0	6,403.0	6,417.1	—	6,457.5
August 1998 .....	W	W	W	5,395.8	W	W	6,374.1	—	6,431.4
<b>Colorado</b>									
August 1999 .....	NA	21.9	3.1	1,476.8	323.1	1,799.9	1,802.9	—	1,825.6
July 1999 .....	W	W	W	W	W	W	1,667.7	—	1,681.7
August 1998 .....	W	W	W	1,533.5	W	W	1,704.2	—	1,721.7

See footnotes at end of table.

**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene	
			No. 2 Fuel Oil	No. 2 Diesel Fuel		No. 2 Distillate			
				Low-Sulfur	High-Sulfur				Total
<b>Idaho</b>									
August 1999 .....	—	11.3	W	657.2	W	W	923.9	—	935.2
July 1999 .....	—	10.9	—	652.9	237.2	890.1	890.1	—	901.0
August 1998 .....	—	14.5	NA	703.7	268.8	972.6	974.1	—	988.6
<b>Montana</b>									
August 1999 .....	—	13.3	—	W	W	920.4	920.4	—	933.6
July 1999 .....	—	10.0	—	865.2	1.3	866.5	866.5	—	876.5
August 1998 .....	—	11.5	W	W	W	W	893.3	—	904.8
<b>Utah</b>									
August 1999 .....	W	W	W	1,430.3	W	W	1,632.1	—	1,634.9
July 1999 .....	W	W	W	1,508.5	W	W	1,673.8	—	1,675.7
August 1998 .....	W	W	NA	1,093.4	233.5	1,326.9	1,395.4	—	1,400.8
<b>Wyoming</b>									
August 1999 .....	—	7.5	—	W	W	1,415.3	1,415.3	—	1,422.7
July 1999 .....	—	3.7	—	W	W	1,319.1	1,319.1	—	1,322.8
August 1998 .....	—	8.4	—	W	W	1,407.1	1,407.1	—	1,415.4
<b>PAD District V</b>									
August 1999 .....	4.0	259.2	W	15,196.8	W	W	18,659.3	110.3	19,032.8
July 1999 .....	2.5	136.8	413.7	14,901.3	2,598.6	17,499.9	17,913.6	132.3	18,185.2
August 1998 .....	24.2	227.7	W	16,016.2	W	W	19,984.5	84.8	20,321.2
<b>Alaska</b>									
August 1999 .....	W	246.0	358.3	W	644.4	W	W	W	1,358.5
July 1999 .....	W	126.3	362.3	W	W	W	W	W	1,185.0
August 1998 .....	W	211.6	W	45.2	W	W	W	W	1,110.3
<b>Arizona</b>									
August 1999 .....	—	—	—	1,259.7	85.5	1,345.2	1,345.2	—	1,345.2
July 1999 .....	W	W	—	1,404.9	119.4	1,524.3	1,524.3	—	1,524.6
August 1998 .....	W	W	—	1,352.5	201.6	1,554.1	1,554.1	—	1,554.7
<b>California</b>									
August 1999 .....	W	—	W	10,246.5	W	W	10,882.4	W	10,890.4
July 1999 .....	W	—	W	9,930.5	W	W	10,381.8	W	10,398.4
August 1998 .....	W	—	—	10,534.2	393.8	10,928.0	10,928.0	W	10,945.9
<b>Hawaii</b>									
August 1999 .....	—	—	—	W	W	545.7	545.7	—	545.7
July 1999 .....	—	—	—	W	W	508.0	508.0	—	508.0
August 1998 .....	—	—	—	90.3	409.7	500.0	500.0	—	500.0
<b>Nevada</b>									
August 1999 .....	—	W	W	W	67.1	W	W	—	891.9
July 1999 .....	—	W	—	692.6	W	W	W	—	745.1
August 1998 .....	W	—	—	621.5	W	W	W	—	677.1
<b>Oregon</b>									
August 1999 .....	1.9	W	W	1,299.3	W	W	1,924.1	W	1,931.9
July 1999 .....	W	1.0	W	1,304.7	W	W	1,909.8	W	1,916.6
August 1998 .....	W	1.6	—	1,386.1	664.2	2,050.4	2,050.4	W	2,072.3
<b>Washington</b>									
August 1999 .....	W	12.4	13.7	1,562.4	474.8	2,037.2	2,050.9	W	2,069.3
July 1999 .....	W	8.8	15.7	1,427.6	450.2	1,877.8	1,893.6	W	1,907.5
August 1998 .....	3.3	W	22.3	1,986.3	1,429.8	3,416.0	3,438.3	W	3,460.9

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Source: Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."



# Explanatory Notes

The Explanatory Notes contain a description of the survey forms, sampling frames, sample design, sampling variability, imputation and estimation, and other technical information concerning the surveys. You may obtain a complete set of the Explanatory Notes for the *Petroleum Marketing Monthly* through the following sources:

1) the EIA website address <http://www.eia.doe.gov>.

Once you are in the EIA Website, click on "Petroleum" and then scroll down and click on *Petroleum Marketing Monthly*. When you are in the *Petroleum Marketing*

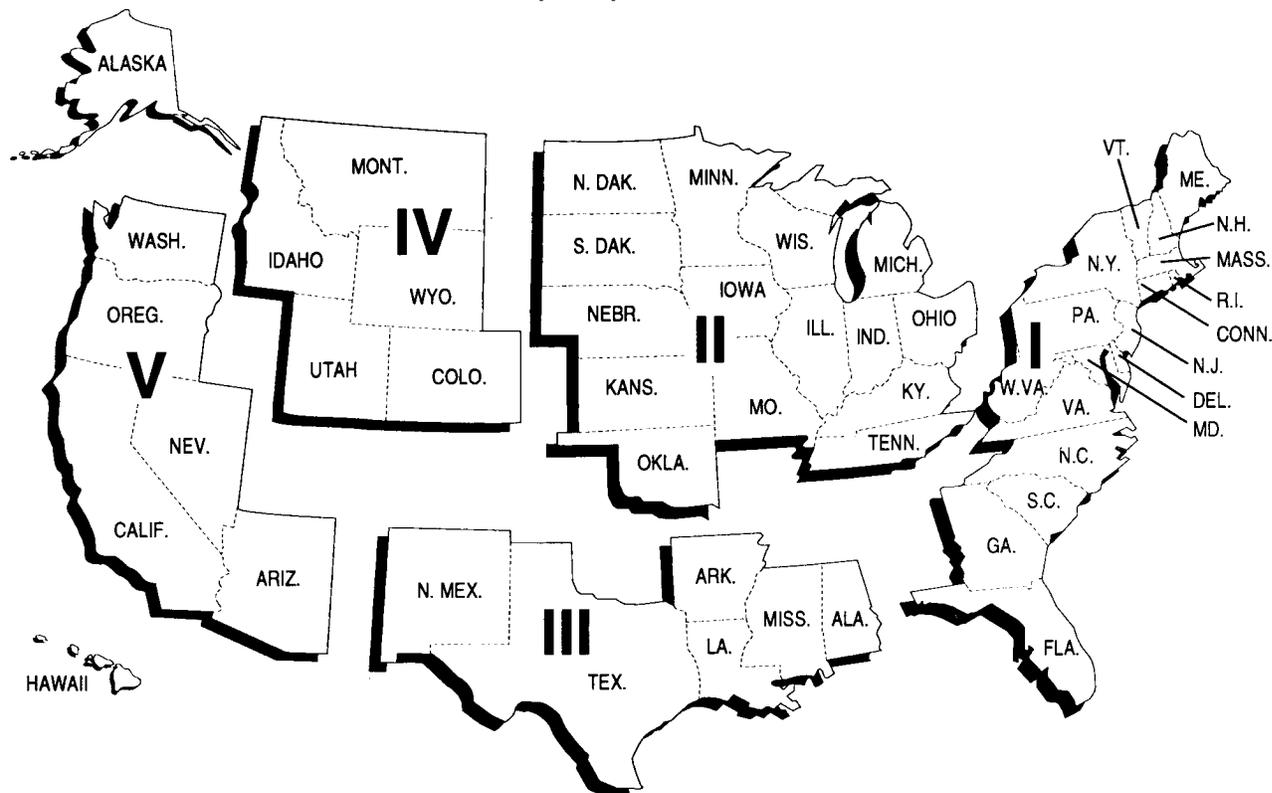
*Monthly* directory, scroll down to the "previous" and click on "historical," then click on "January" and scroll down to Explanatory Notes PDF file at the end. Click on "Explanatory Notes" or go directly to the Explanatory Notes at [http://www.eia.doe.gov/oil\\_gas/petroleum/pet\\_frame.html](http://www.eia.doe.gov/oil_gas/petroleum/pet_frame.html) and click on "Explanatory Notes."

2) the January issue of the *Petroleum Marketing Monthly*.

3) the National Energy Information Center on (202) 586-8800 or [infoctr@eia.doe.gov](mailto:infoctr@eia.doe.gov).

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## Petroleum Administration for Defense (PAD) Districts



**Table EN1. Federal and State Motor Gasoline Taxes<sup>1</sup>  
(Cents per Gallon)**

	Motor Gasoline	Diesel Fuel	Gasohol		Motor Gasoline	Diesel Fuel	Gasohol
Federal <sup>2</sup> . . . . .	18.40	24.40	13.00	Mississippi <sup>4</sup> . . . . .	18.40	18.40	18.40
Average State Tax . . . . .	19.93	20.00	19.80	Missouri <sup>4</sup> . . . . .	17.00	17.00	17.00
				Montana <sup>4</sup> . . . . .	27.75	28.50	27.75
Alabama <sup>4</sup> . . . . .	18.00	19.00	18.00	Nebraska . . . . .	22.80	22.80	22.80
Alaska . . . . .	8.00	8.00	8.00	Nevada <sup>4</sup> . . . . .	23.75	27.75	23.75
Arizona . . . . .	18.00	27.00	18.00	New Hampshire . . . . .	19.60	19.60	19.60
Arkansas . . . . .	19.50	20.50	19.50	New Jersey <sup>3</sup> . . . . .	10.50	13.50	10.50
California <sup>3,4</sup> . . . . .	18.00	18.00	18.00	New Mexico . . . . .	18.50	19.50	18.50
Colorado . . . . .	22.00	20.50	22.00	New York <sup>3,4</sup> . . . . .	22.05	21.30	22.05
Connecticut <sup>3</sup> . . . . .	32.00	18.00	31.00	North Carolina . . . . .	21.20	21.20	21.20
Delaware . . . . .	23.00	22.00	23.00	North Dakota . . . . .	21.00	21.00	21.00
District of Columbia . . . . .	20.00	20.00	20.00	Ohio . . . . .	22.00	22.00	22.00
Florida <sup>4</sup> . . . . .	13.10	13.10	13.10	Oklahoma . . . . .	17.00	14.00	17.00
Georgia <sup>3,4</sup> . . . . .	7.50	7.50	7.50	Oregon <sup>4</sup> . . . . .	24.00	24.00	24.00
Hawaii <sup>3,4</sup> . . . . .	16.00	16.00	16.00	Pennsylvania . . . . .	25.90	30.80	25.90
Idaho . . . . .	25.00	25.00	22.50	Rhode Island . . . . .	29.00	29.00	29.00
Illinois <sup>3,4</sup> . . . . .	19.00	21.50	19.00	South Carolina <sup>4</sup> . . . . .	16.00	16.00	16.00
Indiana <sup>3</sup> . . . . .	15.00	16.00	15.00	South Dakota . . . . .	22.00	22.00	20.00
Iowa <sup>3</sup> . . . . .	20.00	22.50	19.00	Tennessee . . . . .	20.00	17.00	20.00
Kansas . . . . .	20.00	22.00	20.00	Texas . . . . .	20.00	20.00	20.00
Kentucky . . . . .	16.40	13.40	16.40	Utah . . . . .	24.50	24.50	24.50
Louisiana . . . . .	20.00	20.00	20.00	Vermont . . . . .	20.00	17.00	20.00
Maine . . . . .	19.00	20.00	19.00	Virginia <sup>3</sup> . . . . .	17.50	16.00	17.50
Maryland . . . . .	23.50	24.25	23.50	Washington <sup>4</sup> . . . . .	23.00	23.00	23.00
Massachusetts . . . . .	21.00	21.00	21.00	West Virginia <sup>3</sup> . . . . .	20.50	20.50	20.50
Michigan <sup>3</sup> . . . . .	19.00	19.00	19.00	Wisconsin . . . . .	25.40	25.40	25.40
Minnesota <sup>3</sup> . . . . .	20.00	20.00	20.00	Wyoming . . . . .	14.00	14.00	14.00

<sup>1</sup> 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 July 1, 1999.

<sup>2</sup> The Federal tax on motor gasoline and diesel fuel increased to 18.4 and 24.4 cents, respectively, on October 1, 1997.

<sup>3</sup> Additional State taxes are levied as follows: California: 7.25 percent sales tax; Connecticut: 5 percent gross earnings tax; Georgia: 4 percent sales tax; Hawaii: 4 percent gross income tax; Illinois: 6.25 percent sales tax; Indiana: 5 percent sales tax; Iowa: 1 percent environmental protection tax; Michigan: 6 percent sales tax; New Jersey: gross receipts tax of 4 cents per gallon for on-highway use fuels; New York: 4 percent sales tax; Virginia: 2 percent sales tax in areas where mass transit systems exist; West Virginia: Consumer and sales tax of 4.85 cents per gallon.

<sup>4</sup> Local option taxes (LOTS) are allowed. In Florida, the State assesses a State Comprehensive Enhanced Transportation System (SCETS) tax on gasoline which is two-thirds of each county's rate. In addition, the State collects a "ninth cent tax" and a second local tax. These taxes add an average of 11.8 cents to the gasoline State tax. For diesel fuel, add 12.0 cents to the State tax. In Hawaii, LOTS are as follows: Honolulu: 16.5 cents per gallon; Maui: 13.0 cents per gallon; Hawaii: 8.8 cents per gallon; Kauai: 10.0 cents per gallon.

## Product Guide

Category	Table	
	Prices	Volumes
<b>Crude Oil</b>		
<b>Refiner Acquisition Cost</b> .....	1	—
<b>Domestic First Purchases</b> .....	1	—
from selected States .....	21	—
by API gravity .....	23	—
for selected crude streams .....	22	—
<b>Imports</b>		
<b>F.O.B. Costs</b> .....	1	—
from selected countries .....	24	—
by API gravity .....	26	—
for selected crude streams .....	29	—
<b>Landed Costs</b> .....	1	—
from selected countries .....	25	—
by API gravity .....	27	—
for selected crude streams .....	30	—
<b>Percentage by Gravity Band</b> .....	28	—
<b>Motor Gasoline</b>		
all sellers .....	31	—
refiners .....	2,4,6,35	3,5,7,43,44
prime suppliers .....	—	48
<b>Conventional</b>		
all sellers .....	32	—
refiners .....	8	9,44
prime suppliers .....	—	48
<b>Oxygenated</b>		
all sellers .....	33	—
refiners .....	10	11,44
prime suppliers .....	—	48
<b>Reformulated</b>		
all sellers .....	34	—
refiners .....	12	13,44
prime suppliers .....	—	48
<b>Aviation Gasoline</b>		
refiners .....	2,4,36	3,5,45
prime suppliers .....	—	49
<b>Kerosene-Type Jet Fuel</b>		
refiners .....	2,4,36	3,5,45
prime suppliers .....	—	49
<b>Naphtha-Type Jet Fuel</b>		
prime suppliers .....	—	49
<b>Propane, Consumer Grade</b>		
all sellers .....	14,38	—
refiners .....	2,4	3,5,45
prime suppliers .....	—	49

## Product Guide

Category	Table	
	Prices	Volumes
<b>Kerosene</b>		
refiners .....	2,4,36	3,5,45
prime suppliers .....	—	50
<b>No. 1 Distillate</b> .....		
refiners .....	2,4,37	3,5,45
prime suppliers .....	—	50
<b>No. 2 Distillate</b> .....		
all sellers .....	15,18,39	—
refiners .....	2,4,37	3,5,46
prime suppliers .....	—	50
<b>No. 2 Diesel Fuel</b>		
all sellers .....	16,17,40	—
refiners .....	2,4	3,5,46
prime suppliers .....	—	50
<b>Low-Sulfur</b>		
all sellers .....	17,41	—
refiners .....	—	3,5,46
prime suppliers .....	—	50
<b>High-Sulfur</b>		
all sellers .....	17,41	—
refiners .....	—	3,5,46
prime suppliers .....	—	50
<b>No. 2 Fuel Oil</b>		
refiners .....	2,4	3,5,46
prime suppliers .....	—	50
<b>No. 4 Fuel</b>		
all sellers .....	37	—
refiners .....	2,4	3,5,47
prime suppliers .....	—	50
<b>Residual Fuel Oil</b>		
all sellers .....	42	—
refiners .....	2,4,19	3,5,20,47
prime suppliers .....	—	49
<b>Sulfur Content less than or equal to 1%</b>		
all sellers .....	42	—
refiners .....	19	20,47
prime suppliers .....	—	49
<b>Sulfur Content greater than 1%</b>		
all sellers .....	42	—
refiners .....	19	20,47
prime suppliers .....	—	49

# 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.

**ASTM:** American Society for Testing and Materials.

**Aviation 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 aviation reciprocating engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. *Note:* Data on blending components are not counted in data on finished aviation gasoline.

**Barrel:** A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons.

**Bulk Sales:** Wholesale sales of gasoline in individual transactions which exceed the size of a truckload.

**CIF:** Cost, insurance, and freight. A type of sale in which the buyer of the product agrees to pay a unit price that includes the f.o.b. value of the product at the point of origin plus all costs of insurance and transportation. This type of transaction differs from a "delivered" purchase, in that the buyer accepts the quantity as determined at the loading port (as certified by the bill of lading and quality report) rather than pay based on the quantity and quality ascertained at the unloading port. It is similar to the terms of an f.o.b. sale, except that the seller, as a service for which he is compensated, arranges for transportation and insurance.

**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.

**Conventional Gasoline:** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. *Note:* This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) well as other blendstock.

**Crude Oil (including lease condensate):** A mixture of hydrocarbons that existed in liquid phase in underground 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 its own account in accor-

dance 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.

**Dealer Tank Wagon (DTW) Sales:** Wholesale sales of gasoline priced on a delivered basis to a retail outlet.

**Distillate Fuel Oil:** A general classification for one of the petroleum fractions produced in conventional distillation operations. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

1. **No. 1 Distillate:** A light petroleum distillate that can be used as either a diesel fuel (see **No. 1 Diesel Fuel**) or a fuel oil (See **No. 1 Fuel Oil**).
  - a. **No. 1 Diesel Fuel:** A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See **No. 1 Distillate**.
  - b. **No. 1 Fuel Oil:** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate**.
2. **No. 2 Distillate:** A petroleum distillate that can be used as either a diesel fuel (see **No. 2 Diesel Fuel**) or a fuel oil. See **No. 2 Fuel Oil**.

- a. **No. 2 Diesel Fuel:** A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate**.

- **Low Sulfur No. 2 Diesel Fuel:** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.
- **High Sulfur No. 2 Diesel Fuel:** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

- b. **No. 2 Fuel Oil (Heating Oil):** A distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**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 distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low-and medium-speed diesel engines and 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 containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

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

**Kerosene:** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See **Kerosene-Type Jet Fuel**.

**Kerosene-Type Jet Fuel:** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit

and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military 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).

**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. Motor gasoline, as defined in ASTM Specification D-4814 or Federal Specification VV-G-1690B, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. *Note:* Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline.

- 1. Conventional Gasoline:** Motor gasoline not included in the oxygenated or reformulated gasoline categories. Excludes reformulated gasoline blendstock for oxygenate blending (RBOB).
- 2. Oxygenated Gasoline:** Finished motor gasoline, other than reformulated gasoline, having an oxygen content of 2.7 percent or higher by weight and required by the U.S. Environmental Protection Agency (EPA) to be sold in areas designated by EPA as carbon monoxide (CO) nonattainment areas. *Note:* Oxygenated gasoline excludes oxygenated fuels program reformulated gasoline (OPRG) and reformulated gasoline blendstock for oxygenate blending (RBOB). Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside CO nonattainment areas are included in data on oxygenated gasoline. Other data on gasohol are included in data on conventional gasoline.
- 3. Reformulated Gasoline:** Finished motor gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regu-

lations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. Note: This category includes oxygenated fuels program reformulated gasoline (OPRG) but excludes reformulated gasoline blendstock for oxygenate blending (RBOB).

**Gasoline Grades:** The classification of gasoline by octane ratings. Each type of gasoline (conventional, oxygenated, and reformulated) is classified by three grades - Regular, Midgrade, and Premium. Note: Gasoline sales are reported by grade in accordance with their classification at the time of sale. In general, automotive octane requirements are lower at high altitudes. Therefore, in some areas of the United States, such as the Rocky Mountain States, the octane ratings for the gasoline grades may be 2 or more octane points lower.

**1. Regular Gasoline:** Gasoline having an antiknock index, i.e., octane rating, greater than or equal to 85 and less than 88. Note: Octane requirements may vary by altitude. See **Gasoline Grades**.

**2. Midgrade Gasoline:** Gasoline having an antiknock index, i.e., octane rating, greater than or equal to 88 and less than or equal to 90. Note: Octane requirements may vary by altitude. See **Gasoline Grades**.

**3. Premium Gasoline:** Gasoline having an antiknock index, i.e., octane rating, greater than 90. Note: Octane requirements may vary by altitude. See **Gasoline Grades**.

**MTBE (methyl tertiary butyl ether):** An ether eligible for gasoline blending, blends up to 15.0 percent by volume MTBE which must meet the ASTM D 4814 Specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends.

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

**Naphtha-Type Jet Fuel:** A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other

aviation fuels and meets engine requirements at high altitudes and speeds.

**Octane Rating:** A number used to indicate gasoline's antiknock performance in motor vehicle engines. The two recognized laboratory engine test methods for determining the antiknock rating, i.e., octane rating, of gasolines are the Research method and the Motor method. To provide a single number as guidance to the consumer, the antiknock index  $(R + M)/2$ , which is the average of the Research and Motor octane numbers, was developed.

**OPEC:** 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, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. Prior to January 1, 1993, Ecuador was a member of OPEC.

**OPRG:** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area during an oxygenated fuels program control period.

**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.

**Oxygenated Gasoline:** See Motor Gasoline.

**Oxygenates:** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**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, Ohio, Oklahoma, South Dakota, 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.

**Petrochemical Sales:** Sales of propane to a manufacturer of chemicals derived from petroleum or natural gas, or from raw materials derived from petroleum or natural gas.

**Petroleum Products:** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes, plus aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

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

**Propane, Consumer Grade:** A normally gaseous paraffinic compound (C<sub>3</sub>H<sub>8</sub>), which includes all products covered by Natural Gas Policy Act (NGPA) Specifications for commercial use and HD-5 propane and ASTM Specification D 1835. It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It does not include the propane portion of any natural gas liquids (NGL) mixes; i.e., butane-propane mix.

**Rack Sales:** Wholesale truckload sales or smaller of gasoline where title transfers at a terminal.

**RBOB:** "Reformulated Gasoline Blendstock for Oxygenate Blending" is a motor gasoline blending component which, when blended with a specified type and percentage of oxygenate, meets the definition of reformulated gasoline.

**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.

**Reformulated Gasoline:** See Motor Gasoline.

**Reseller:** A firm (other than a refiner) that carries on the trade or business of purchasing refined petroleum products and reselling them 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 to purchasers who may be either ultimate or other than ultimate consumers.

**Residential:** Sales of No. 2 distillate and propane to individual customers or households (as opposed to businesses or institutions) who ostensibly use the fuel in a residence for space heating, cooking, etc. Sales to apartment buildings/complexes or to other multi-family dwellings are excluded from the "Residential Sales" category and are included in the "Commercial/Institutional Sales" category.

**Residual Fuel Oil:** The heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specification D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military

Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-77). It is used in steam-powered vessels in government service and inshore powerplants. No. 6 fuel oil includes Bunker C fuel oil and 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.

**Retail Outlet:** Any company-owned outlet (e.g., service station) selling gasoline, on-highway low-sulfur diesel fuel, or propane for on-highway vehicle use which is under the direct control of the firm filing the EIA-782 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 firm.

**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 supplied exceeds the amount received and the differential is invoiced as a sale during the reference month.

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

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

**Sulfur:** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. *Note:* No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

**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.

# Articles

Feature articles on energy-related subjects are frequently included in this publication. The following articles and special focus items have appeared in previous issues.

<i>Propane Market Assessment for Winter 1997-1997</i> .....	<b>December 1997</b>
<i>A Contrast Between Distillate Fuel Oil Markets in Autumn 1996 and 1997</i> .....	<b>December 1997</b>
<i>A Comparison of Selected EIA-782 Data With Other Data Sources</i> .....	<b>November 1997</b>
<i>Distillate Fuel Oil Assessment for Winter 1996-1997</i> .....	<b>December 1996</b>
<i>Propane Market Assessment for Winter 1996-1997</i> .....	<b>December 1996</b>
<i>Recent Distillate Fuel Oil Inventory Trends</i> .....	<b>June 1996</b>
<i>Recent Trends in Motor Gasoline Stock Levels</i> .....	<b>June 1996</b>
<i>Noncommercial Trading in the Energy Futures Market</i> .....	<b>May 1996</b>
<i>1995 Reformulated Gasoline Market Affected Refiners Differently</i> .....	<b>January 1996</b>
<i>Distillate Fuel Oil Assessment for Winter 1995-1996</i> .....	<b>November 1995</b>
<i>Propane Assessment for Winter 1995-1996</i> .....	<b>November 1995</b>
<i>Environmental Regulations and Changes in the Petroleum Refining Operations</i> .....	<b>September 1995</b>
<i>What Drives Motor Gasoline Prices?</i> .....	<b>June 1995</b>
<i>1995 Motor Gasoline Assessment</i> .....	<b>May 1995</b>
<i>Results of the Office of Oil and Gas "Outlook Survey"</i> .....	<b>March 1995</b>
<i>Distillate Fuel Oil Assessment for Winter 1994-1995</i> .....	<b>November 1994</b>
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<i>Sales of Fuel Oil and Kerosene in 1993</i> .....	<b>November 1994</b>
<i>Impact of New Low-Sulfur Diesel Requirements, October through December 1993</i> .....	<b>November 1994</b>
<i>Reformulated Gasoline Supply Issues</i> .....	<b>November 1994</b>

<i>A Comparison of Selected EIA-782 Data With Other Data Sources</i> .....	<b>October 1994</b>
<i>Demand, Supply, and Price Outlook for Reformulated Motor Gasoline 1995</i> .....	<b>August 1994</b>
<i>The Second Oxygenated Gasoline Season</i> .....	<b>June 1994</b>
<i>Changes to the 1994 Petroleum Marketing Monthly</i> .....	<b>May 1994</b>
<i>Summer 1994 Motor Gasoline Outlook</i> .....	<b>May 1994</b>
<i>Sales of Fuel Oil and Kerosene in 1992</i> .....	<b>December 1993</b>
<i>Low-Sulfur Diesel: Requirements and Impacts</i> .....	<b>December 1993</b>
<i>Distillate Fuel Oil Outlook for Winter 1993-94</i> .....	<b>November 1993</b>
<i>Propane Outlook for Winter 1993-1994</i> .....	<b>November 1993</b>
<i>A Comparison of Selected EIA-782 Data with Other Data Sources</i> .....	<b>August 1993</b>
<i>The Economics of the Clean Air Act Amendments of 1990: Review of the 1992-1993 Oxygenated Motor Gasoline Season</i> .....	<b>August 1993</b>
<i>Changes to Form EIA-782C "Monthly Report of Petroleum Products Sold into States for Consumption"</i> .....	<b>May 1993</b>
<i>Summer 1993 Motor Gasoline Outlook</i> .....	<b>May 1993</b>
<i>Economics of Energy Futures Markets</i> .....	<b>September 1991</b>
<i>Economics of Gasoline Pool Octane Growth</i> .....	<b>March 1990</b>
<i>A Comparison of Selected EIA-782 Data with Other Data Sources</i> .....	<b>August 1989</b>
<i>The Introduction of Unleaded Midgrade Gasoline</i> .....	<b>April 1989</b>
<i>A Review of Valdez Oil Spill Market Impacts</i> .....	<b>March 1989</b>
<i>California Crude Oil Price Levels</i> .....	<b>April 1987</b>
<i>Determining Minimum Acceptable Bid Prices for the Test Sale of Strategic Petroleum Reserve Crude Oil</i> .....	<b>August 1986</b>
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<i>Foreign Crude Oil Prices: The Differential Dilemma</i> .....	<b>May 1985</b>
<i>A Short-Term Analysis of the Effects of Concentration on Price in the Gasoline Market</i> .....	<b>April 1985</b>

<i>Petroleum Marketing Monthly Initiates Crude Oil Data Series . . . . .</i>	<b>February 1985</b>
<i>Estimated Historic Time Series for the EIA-782 . . . . .</i>	<b>December 1983[3]</b>
<i>No. 2 Distillate Price and Sales Reflect a Period of Adjustment to Changing Market Conditions . . . . .</i>	<b>November 1983</b>
<i>The Consolidation of Petroleum Marketing Surveys . . . . .</i>	<b>April 1983</b>