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Petroleum Marketing Monthly

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With Data for April 1998

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  Updated 60 days after the end of the quarter.
- *Winter Fuels Report* (October through April)
  Propane inventory data updated Wednesdays at 5 p.m. All other data updated Thursdays (Friday in event of a holiday) at 5 p.m.

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 Marketing 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:

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

The publication highlights salient statistics for the United States in the Summary 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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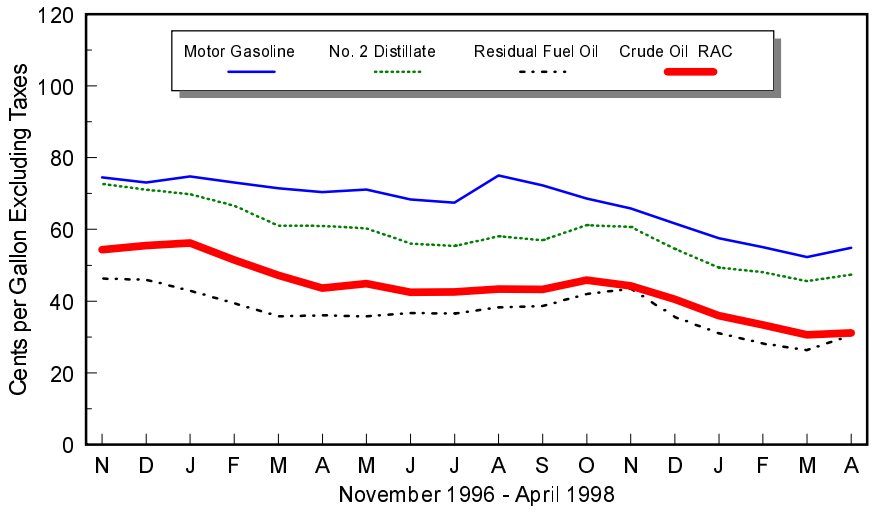
Highlights

Highlights

Following March's fluctuations, international crude oil prices were comparatively steady in April. While much of the recovery from the long-term lows experienced during the latter part of March can be attributed to pledged production cuts by major producer nations, the effects of ample stockpiles and sluggish demand throughout world markets continued to restrain prices throughout April. The global supply glut is the cumulative result of severe economic upheaval in Asia, an unusually warm winter in the Northern Hemisphere, and increased wellhead production and exports during the past year. As part of an effort to alleviate pressure on prices, the agreement among Organization of Petroleum Exporting Countries (OPEC) and non-OPEC nations to reduce wellhead production by approximately 1.5 million barrels per day went into effect April 1. Initial information suggests that the proposed level of cuts were not met during the first active month of the accord, but reduced production rates were recorded. Some consternation arose in markets when it appeared the reductions were realized by reducing output of less desirable grades of crude oil. Production from Norway, one of the participants in the agreement, was reduced due to a heavy slate of maintenance on North Sea production facilities. In addition to those output curtailments, production cuts were announced by Russia and China in early April. At the close of the month, OPEC members continued to discuss the need to make further export reductions in an effort to support prices.

In the United States, crude oil and petroleum product prices endured another bumpy month. Reports indicating crude oil storage facilities in the United States, the world's largest consumer of petroleum products, had reached saturation levels in key regions of the country clearly illustrated the oversupply problem and played a fundamental role behind lethargic prices here and abroad. Data indicate U.S. stocks of crude oil rose about 1.6 percent during April and were approximately 3.5 percent higher than this time last year. Various concerns about the implementation of promised global production cuts and falling refining margins also enervated crude oil prices. Finished product prices were more animated due to the variety of factors at play in the marketplace. In addition to influence emanating from crude oil prices, finished product prices were buffeted by a number of conditions associated with production and distribution facilities. While demand for gasoline continued in a growth mode for the third month in a row, supplies remained sufficient to meet the rising demand. Repairs were completed on a major products pipeline supplying gasoline to the Northeast, allowing deliv-

Figure HL1. Crude Oil and Petroleum Product Wholesale Prices



Sources: Energy Information Administration. Crude oil refiner acquisition cost: Form EIA-14, "Refiners' Monthly Cost Report"; petroleum product prices: Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

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					
	April 1998		March 1998		April 1997		April 1998		March 1998		April 1997	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor Gasoline	67.4	64.8	65.6	64.3	83.9	58.9	54.9	311.5	52.3	291.1	70.4	293.1
Conventional	66.0	39.7	64.3	39.0	81.8	37.9	52.4	214.0	49.8	195.3	67.3	204.1
Regular	62.1	27.8	60.4	27.1	77.9	26.9	50.4	166.0	47.8	149.9	65.2	157.0
Midgrade	71.3	6.2	69.5	6.1	87.8	5.9	56.2	16.0	53.3	15.7	71.4	17.0
Premium	79.1	5.8	77.3	5.8	95.5	5.0	60.6	32.0	57.9	29.8	75.8	30.1
Oxygenated	69.4	2.2	68.4	2.9	90.9	1.2	59.0	5.7	57.7	7.4	73.5	2.7
Regular	66.8	1.8	65.6	2.4	88.4	0.9	57.8	4.3	56.0	5.5	72.3	2.1
Midgrade	76.0	0.3	75.8	0.3	95.6	0.2	60.3	0.8	59.6	1.0	75.8	0.3
Premium	85.1	0.2	84.5	0.2	104.2	0.1	67.7	0.5	66.9	0.8	79.9	0.3
Reformulated	69.7	22.8	67.4	22.4	87.5	19.8	60.3	91.8	57.5	88.4	77.8	86.3
Regular	65.1	15.2	62.5	14.8	82.8	12.8	57.1	61.5	54.1	58.4	74.4	57.1
Midgrade	74.8	3.7	72.7	3.7	92.4	3.5	63.6	10.5	60.8	10.4	81.5	11.0
Premium	82.7	3.9	81.0	3.9	100.1	3.4	68.7	19.8	65.8	19.6	86.0	18.2
Aviation Gasoline	98.6	0.2	98.2	0.1	114.7	0.2	91.0	0.6	90.4	0.6	108.5	0.6
Kerosene-Type Jet Fuel	46.6	48.6	45.3	47.6	60.3	49.0	46.6	12.7	45.7	12.6	60.5	9.7
Propane (Consumer Grade)	41.5	3.0	43.8	4.1	49.7	3.4	30.3	29.1	31.2	33.9	37.7	25.8
Kerosene	56.7	0.2	65.3	0.3	69.8	0.3	46.3	1.7	47.6	2.9	62.1	1.3
No. 1 Distillate	56.3	0.3	56.0	0.4	66.3	0.2	55.4	0.3	54.3	1.1	70.6	0.4
No. 2 Distillate	52.3	23.7	51.1	24.9	64.7	26.5	47.4	116.4	45.6	120.5	61.0	121.0
No. 2 Fuel Oil	52.9	2.4	53.9	2.6	63.8	2.9	44.9	27.3	44.9	32.0	58.6	29.9
No. 2 Diesel Fuel	52.2	21.3	50.8	22.3	64.8	23.6	48.1	89.1	45.8	88.5	61.7	91.1
Low Sulfur	53.9	14.5	52.5	14.3	66.4	15.9	48.6	74.9	46.2	73.9	62.2	76.4
High Sulfur	48.6	6.8	47.7	7.9	61.4	7.7	45.4	14.2	43.9	14.5	59.2	14.7
No. 4 Fuel[a]	43.8	0.3	46.0	0.4	55.9	0.2	41.7	0.1	37.5	0.3	49.7	0.3
Residual Fuel Oil	31.4	15.4	28.6	15.5	39.7	11.3	30.6	16.4	26.4	12.7	36.1	10.5
Sulfur Content not > 1 %	35.9	3.5	35.6	4.2	46.4	2.8	32.9	6.5	29.4	5.5	37.6	3.7
Sulfur Content > 1 %	30.1	11.9	26.0	11.3	37.5	8.5	29.1	9.9	24.0	7.2	35.2	6.8

[a] 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."

eries to return to a normal pace. Additionally, imports of gasoline continued at a brisk level throughout the month. Offsetting those circumstances, unscheduled refinery shutdowns gave a boost to prices across the country, particularly on the West Coast. The Los Angeles spot price for CARB gasoline rocketed during the second half of the month, ranging as much as 27 cents during that period due to a number of refinery outages in Los Angeles and San Francisco. Despite these problems, total refinery inputs are estimated to have risen nearly 5 percent from last month's level.

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

Crude Oil

Reflected the surfeit of product in national and international markets, the April daily spot price for West Texas Intermediate (WTI) crude oil at Cushing, Oklahoma, generally remained within a limited range. Opening at $15.69 per barrel, the price rose to the month's high of $16.08 per barrel on April 3. The most notable development occurred on April 23 when the price plummeted $2 per barrel to $13.09 per barrel on reports of limited storage tank space on the Cushing pipeline system. Shortly thereafter, the price returned to its previous range after the Venezuelan oil minister's call for further reductions in crude oil exports.

The price closed the month at $15.56 per barrel, marginally lower than where it began April.

- After many months of solid declines, monthly average crude prices for April show some marginal increases. The average domestic crude oil first purchase price rose 11 cents (1.0 percent), to $11.64 per barrel.

- The average free-on-board (f.o.b.) cost of imported crude oil barely changed, dropping only 1 cent (0.1 percent), to $11.09 per barrel. The average landed cost of foreign crude oil declined 9 cents (0.7 percent), to $12.32 per barrel.

- The monthly average refiner acquisition costs for domestic crude oil fell 5.0 cents (0.4 percent), to $13.47 per barrel. The average cost of imported crude oil to U.S. refiners rose 51 cents (4.1 percent), to $12.87 per barrel. The composite refiner acquisition cost of crude oil increased 24 cents (1.9 percent), to $13.11 per barrel.

Petroleum Products

Motor Gasoline

The April daily spot price for unleaded regular gasoline at New York Harbor showed more volatility than other major products. Opening at 47.9 cents per gallon, the price followed a rambling course throughout the rest of the month. After reaching the low of 44.0 cents per gallon on April 13, the price experienced a rapid upturn due to combination of factors including refinery outages and expectations of stockdraws. The price reached the high of 50.2 cents per gallon on April 28 before falling back to 48.1 cents per gallon at month's close.

- Much like crude oil, monthly average gasoline prices changed direction for first time in months. Prices increased in all categories of sales during April. The average price for motor gasoline retail sales by refiners rose 1.8 cents per gallon to 67.4 cents per gallon while the average wholesale price increased 2.6 cents to 54.9 cents per gallon. Including data reported by a sample of motor gasoline marketers, the national average retail price at company-operated retail outlets climbed 1.4 cents to 67.1 cents per gallon. The average wholesale price increased 2.5 cents, to 55.5 cents per gallon. The average dealer tank wagon (DTW) price rose 2.2 cents to 61.1 cents per gallon. The average rack price increased 3.2 cents to 53.9 cents per gallon. The average bulk sales price grew 2.4 cents, to 49.0 cents per gallon. The margin between reformulated and conventional gasoline prices rose to 2.9 cents at retail, and 6.7 cents at wholesale. The margin between conventional and oxygenated gasoline prices remained at 5.7 cents at retail but dropped to 6.8 cents at wholesale.

- Sales of finished motor gasoline by refiners continued to rise during April. Total sales rose 20.9 million gallons per day (5.9 percent), to an average of 376.3 million gallons per day. Retail sales increased 800,000 gallons per day (0.8 percent), while wholesales grew 20.4 million gallons per day (7.0 percent). Rack sales accounted for 59.0 percent of total wholesales, while DTW and bulk sales made up 24.7 percent and 16.3 percent, respectively. Reformulated gasoline (RFG) constituted 30.5 percent of total motor gasoline sales, while oxygenated gasoline made up 2.1 percent of sales.

No. 2 Distillate

The daily spot price for No. 2 heating oil at New York Harbor was comparatively quiet and undistinguished during April. Opening at 44.0 cents per gallon, the price inched up to the month's high of 44.6 cents per gallon on April 3. After falling to the low of 41.2 cents per gallon on April 14, the price remained in a largely steady mode for the remainder of the month. Closing at 42.4 cents per gallon, the price was 1.6 cents per gallon lower than where it started.

- No. 2 distillate prices increased slightly in most sales categories during April. The national average residential price fell 1.7 cents to 87.9 cents per gallon, while the average wholesale price increased 1.3 cents to 48.4 cents per gallon. The average price for No. 2 diesel fuel at company-operated retail outlets barely changed, rising 0.2 cent, while the average wholesale price rose 2.0 cents. The margins between low- and high-sulfur diesel fuel prices were 1.2 cents at retail and 2.9 cents at wholesale.

- Refiner sales of No. 2 distillate were varied during April. Total sales decreased 5.3 million gallons per day (3.6 percent), to 140.1 million gallons per day. Sales of No. 2 fuel oil fell 4.9

million gallons per day (14.2 percent) while sales of No. 2 diesel fuel dropped 400,000 gallons per day (0.4 percent). Low-sulfur diesel fuel sales made up 81.0 percent of all refiner diesel fuel sales, and 63.8 percent of all refiner No. 2 distillate sales.

Residual Fuel Oil

- Almost all monthly average residual fuel oil prices experienced increases during April. Refiner prices for low-sulfur residual fuel rose 0.3 cent to 35.9 cents per gallon at retail and 3.5 cents to 32.9 cents per gallon at wholesale. Refiner high-sulfur residual fuel prices increased 4.1 cents to 30.1 cents per gallon at retail and 5.1 cents to 29.1 cents per gallon at wholesale. Including data reported by the sample of residual fuel oil marketers, the average low-sulfur price fell 0.8 cent to 35.9 cents per gallon at retail but rose 2.7 cents to 33.5 cents per gallon at wholesale. The average price for high-sulfur residual fuel oil increased 3.9 cents to 30.8 cents per gallon at retail, and 4.7 cents to 29.1 cents per gallon at wholesale.

- April sales of residual fuel oil by refiners rose in all categories. Total sales climbed 3.6 million gallons per day (12.8 percent), to 31.8 million gallons per day. Low-sulfur residual fuel sales rose 300,000 gallons per day (3.1 percent), while high-sulfur residual fuel sales increased 3.3 million gallons per day (17.8 percent).

Other Products

- Other products prices were mixed. Refiner propane prices decreased 2.3 cents per gallon at retail, and 0.9 cent per gallon at wholesale. Including the sample of propane marketers, the average residential propane price rose 0.9 cent per gallon. The average end-user and wholesale prices for propane decreased 2.1 cents per gallon and 1.2 cents per gallon, respectively. Retail and wholesale prices rose for kerosene-type jet fuel, aviation gasoline, and No. 1 distillate. Kerosene prices were down at both levels while No. 4 distillate prices were mixed.

- Refiner sales volumes for these products were mixed during April. Sales of kerosene-type jet fuel and aviation gasoline increased at retail and wholesale. Propane, kerosene, No. 1 distillate, and No. 4 distillate sales declined at both levels.

Summary Statistics

Table 1. Crude Oil Prices

(Dollars per Barrel)

Year Month	Domestic First Purchase Prices	Average F.O.B.[a] Cost of Crude Oil Imports[b]	Average Landed Cost of Crude Oil Imports[b]	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
1978	**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						
January	15.43	16.17	17.31	17.98	17.48	17.74
February	15.54	16.86	17.81	18.10	17.77	17.95
March	17.63	18.77	19.61	19.63	19.90	19.76
April	19.58	19.56	20.73	21.88	21.33	21.63
May	17.94	18.34	19.61	21.15	20.12	20.61
June	16.94	17.61	18.83	19.30	19.32	19.31
July	17.63	18.21	19.35	19.91	19.60	19.76
August	18.29	19.27	20.30	20.55	20.53	20.54
September	19.93	21.03	21.95	21.87	22.04	21.96
October	21.09	22.23	23.05	22.93	23.22	23.08
November	20.20	21.31	22.24	23.08	22.66	22.87
December	21.34	21.56	22.48	23.38	23.22	23.30
1996	**18.46**	**19.32**	**20.31**	**20.77**	**20.64**	**20.71**
1997						
January	21.76	21.31	22.31	24.29	23.05	23.62
February	19.38	18.99	19.98	22.47	20.92	21.65
March	17.85	17.11	18.45	20.57	19.16	19.82
April	16.64	16.20	17.52	19.01	17.85	18.36
May	17.24	16.81	17.87	19.20	18.54	18.84
June	15.90	15.99	17.12	18.45	17.38	17.87
July	15.91	16.38	17.28	18.35	17.48	17.88
August	16.21	16.68	17.78	18.59	17.96	18.23
September	16.44	16.76	17.85	18.49	17.96	18.20
October	17.68	17.26	18.51	19.73	18.88	19.26
November	16.84	16.13	17.35	19.23	18.08	18.61
December	15.06	14.21	15.70	17.92	16.16	17.00
1997	**17.24**	**16.94**	**18.11**	**19.67**	**18.59**	**19.08**
1998						
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	11.10	12.41	13.52	12.36	12.87
April	11.64	11.09	12.32	13.47	12.87	13.11

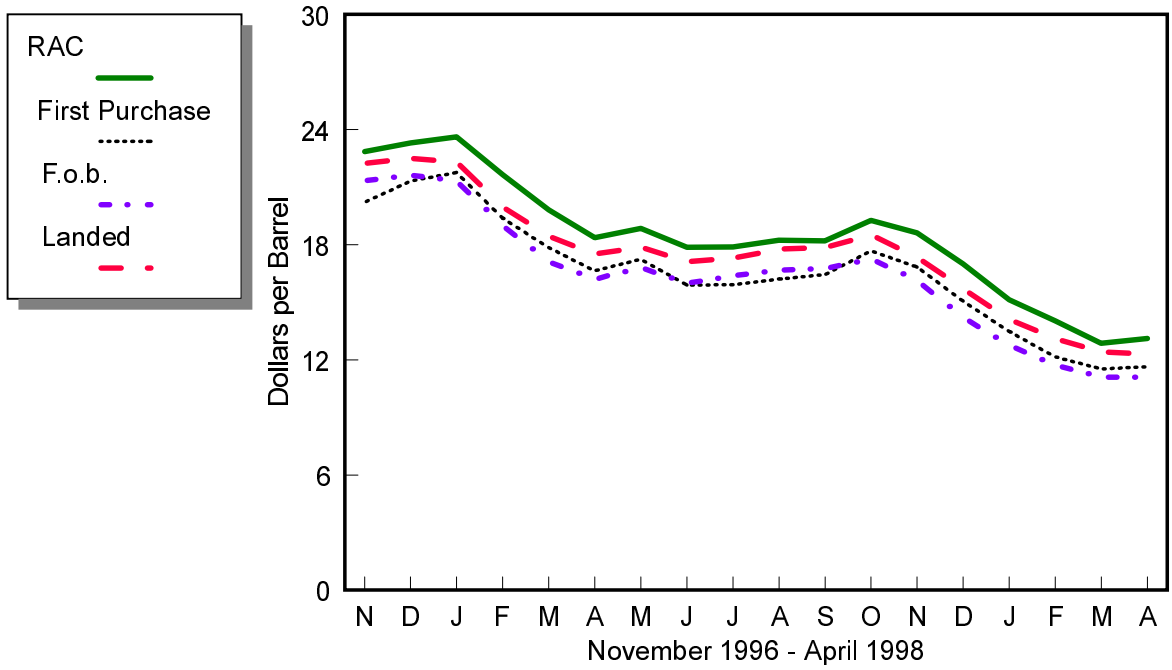
[a] Free on Board. See Glossary.

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

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

Sources: Domestic first purchase prices -- See "Sources" from Table 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[a]	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											
January	74.8	101.2	61.3	63.7	71.8	65.1	59.0	63.5	59.8	60.4	47.9
February	74.9	100.6	56.9	64.2	73.4	66.6	60.0	64.1	60.8	58.5	44.9
March	79.8	105.0	59.0	63.0	69.0	71.0	64.4	66.8	64.7	61.8	44.7
April	88.1	111.4	66.0	57.0	80.5	75.9	71.9	69.9	71.6	65.1	45.1
May	92.7	114.4	63.3	49.5	68.4	73.7	69.8	64.9	69.3	63.2	43.3
June	90.3	113.5	57.7	48.5	58.5	64.4	62.2	57.5	61.7	53.8	40.8
July	87.5	113.7	60.3	50.8	64.6	65.1	62.3	59.4	62.0	50.8	41.0
August	84.9	114.4	65.1	48.6	69.5	71.0	66.4	66.1	66.4	52.5	42.0
September	84.4	114.3	71.8	51.4	76.4	77.5	72.9	72.1	72.8	58.5	44.9
October	84.4	115.0	73.6	57.7	87.1	82.3	76.9	75.1	76.7	62.1	48.5
November	86.8	115.1	71.7	71.1	88.7	79.2	75.7	75.0	75.6	63.7	49.7
December	86.0	115.3	74.0	87.5	90.7	77.7	74.4	75.1	74.5	65.9	49.9
1996	**84.7**	**111.6**	**65.1**	**60.5**	**74.0**	**72.6**	**68.1**	**67.3**	**68.0**	**60.3**	**45.5**
1997											
January	86.6	113.7	74.4	86.6	88.7	77.5	73.0	75.5	73.3	65.8	49.2
February	86.1	114.9	71.7	66.8	84.8	76.0	71.1	72.5	71.3	59.6	45.0
March	84.3	113.8	61.9	57.3	NA	68.8	65.8	66.4	65.8	54.6	40.3
April	83.9	114.7	60.3	49.7	69.8	66.3	64.8	63.8	64.7	55.9	39.7
May	84.5	115.7	58.8	46.5	68.4	64.2	63.8	62.9	63.7	53.4	40.3
June	83.3	114.6	57.6	46.1	64.3	62.8	60.7	59.2	60.5	52.8	40.1
July	81.5	112.5	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	41.4
October	84.3	113.9	61.5	52.3	72.8	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**	**113.8**	**61.2**	**55.2**	**74.4**	**68.5**	**64.2**	**63.6**	**64.1**	**56.5**	**42.3**
1998											
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	52.9	52.3	43.8	31.4

NA = Not available.

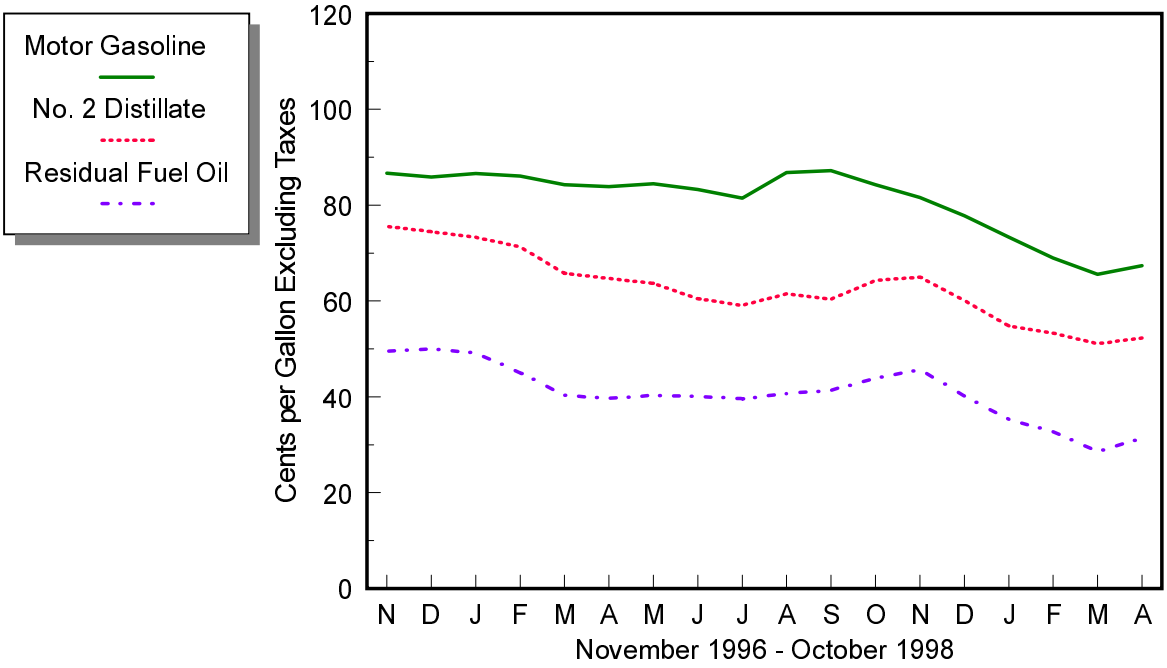
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

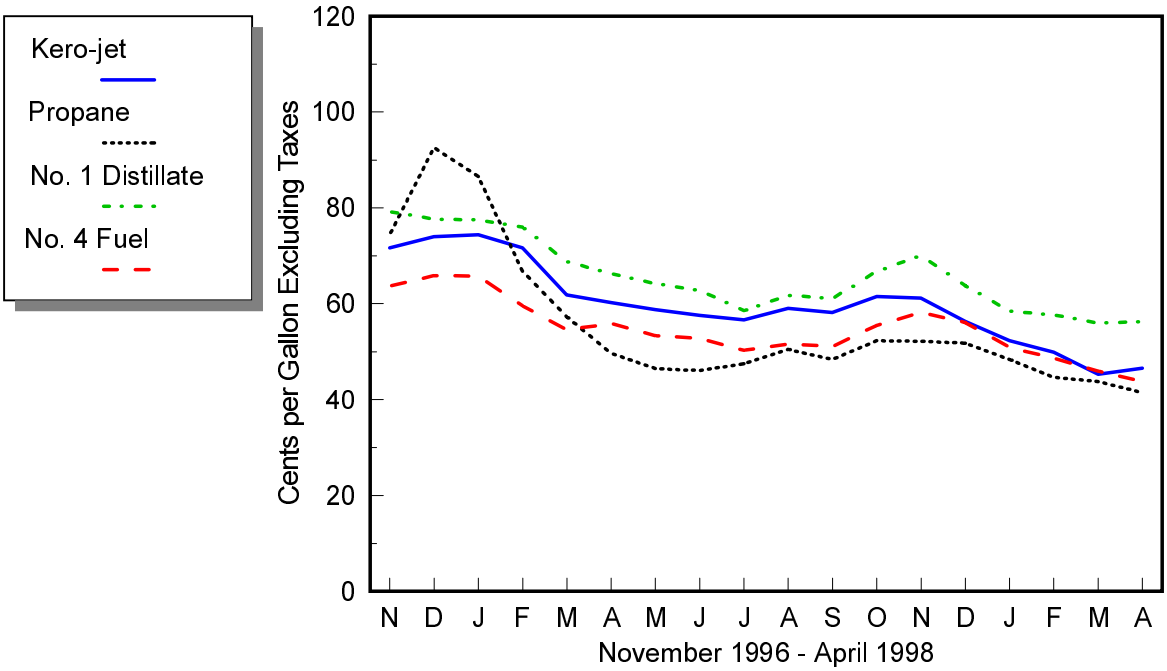
Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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[a]	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
1983	**51.1**	**0.4**	**30.8**	**3.1**	**0.2**	**0.5**	**23.3**	**3.7**	**27.0**	**0.7**	**28.3**
1984	**57.6**	**0.3**	**32.9**	**3.3**	**0.3**	**0.5**	**26.3**	**4.9**	**31.2**	**0.7**	**32.9**
1985	**57.5**	**0.3**	**34.6**	**3.7**	**0.3**	**0.5**	**25.0**	**5.0**	**29.9**	**0.5**	**25.2**
1986	**61.2**	**0.3**	**35.1**	**3.4**	**0.3**	**0.4**	**24.4**	**4.4**	**28.8**	**0.7**	**31.6**
1987	**61.0**	**0.2**	**36.8**	**3.8**	**0.3**	**0.4**	**24.1**	**4.5**	**28.5**	**0.8**	**29.0**
1988	**61.0**	**0.2**	**38.2**	**4.3**	**0.3**	**0.4**	**24.5**	**4.6**	**29.1**	**1.1**	**30.2**
1989	**61.2**	**0.2**	**40.1**	**2.8**	**0.3**	**0.5**	**24.3**	**4.5**	**28.8**	**0.9**	**30.4**
1990	**60.3**	**0.2**	**39.9**	**2.7**	**0.2**	**0.5**	**22.2**	**3.6**	**25.9**	**0.8**	**25.9**
1991	**61.2**	**0.2**	**38.5**	**3.1**	**0.2**	**0.5**	**21.1**	**3.2**	**24.4**	**0.7**	**24.0**
1992	**59.0**	**0.2**	**39.8**	**3.8**	**0.2**	**0.5**	**21.5**	**3.1**	**24.6**	**0.6**	**22.4**
1993	**57.2**	**0.2**	**41.7**	**3.5**	**0.2**	**0.4**	**20.8**	**2.9**	**23.8**	**0.6**	**17.2**
1994	**55.0**	**0.2**	**45.2**	**2.2**	**0.4**	**0.4**	**21.3**	**3.4**	**24.6**	**0.8**	**13.5**
1995	**55.9**	**0.2**	**45.7**	**3.2**	**0.6**	**0.3**	**21.6**	**3.3**	**24.9**	**0.5**	**11.6**
1996											
January	53.0	0.1	46.5	3.3	0.8	0.6	20.2	4.4	24.5	0.9	14.4
February	54.6	0.2	46.8	4.0	0.7	0.6	21.8	4.7	26.5	0.9	15.0
March	56.4	0.2	47.8	2.9	0.7	0.3	21.2	3.3	24.6	0.5	12.7
April	57.2	0.2	48.1	2.7	0.3	0.2	22.6	3.1	25.7	0.4	11.8
May	57.8	0.2	49.0	2.6	0.3	0.1	22.9	2.8	25.7	0.3	10.7
June	59.2	0.2	50.1	2.2	0.4	0.2	22.0	2.7	24.7	0.3	11.3
July	58.9	0.2	50.3	2.1	0.2	0.1	21.7	2.4	24.1	0.3	11.7
August	59.7	0.2	50.3	2.3	0.2	0.2	22.1	2.6	24.7	0.2	12.3
September	57.8	0.2	50.6	4.1	0.3	0.2	21.4	2.6	24.0	0.2	10.9
October	58.5	0.2	48.0	3.9	0.3	0.3	23.1	2.7	25.8	0.3	13.5
November	58.1	0.1	48.1	3.3	0.3	0.5	22.8	3.1	25.9	0.4	14.3
December	59.2	0.1	49.3	3.4	0.3	0.8	21.2	3.0	24.2	0.5	15.7
1996	**57.5**	**0.2**	**48.7**	**3.1**	**0.4**	**0.3**	**21.9**	**3.1**	**25.0**	**0.4**	**12.9**
1997											
January	54.8	0.1	45.6	3.2	0.5	0.6	21.8	3.5	25.4	0.6	15.0
February	58.0	0.1	47.6	3.7	0.4	0.6	22.3	2.8	25.1	0.4	15.1
March	59.3	0.2	48.0	3.3	0.4	0.3	22.2	2.6	24.8	0.3	13.8
April	58.9	0.2	49.0	3.4	0.3	0.2	23.6	2.9	26.5	0.2	11.3
May	58.2	0.2	49.2	2.9	0.3	0.2	22.8	2.7	25.5	0.2	10.9
June	60.0	0.2	51.4	2.3	0.2	0.2	21.9	2.5	24.4	0.2	12.4
July	65.4	0.2	51.6	2.1	0.1	0.2	21.7	3.0	24.7	0.3	13.7
August	64.9	0.2	51.8	2.3	0.2	0.2	20.9	3.0	23.9	0.2	12.3
September	63.8	0.2	51.1	3.1	0.3	0.2	23.2	2.9	26.1	0.2	12.9
October	64.5	0.2	49.7	3.5	0.2	0.3	23.1	3.1	26.2	0.3	15.4
November	62.3	0.1	48.6	3.8	0.3	0.4	20.5	3.1	23.7	0.4	14.4
December	66.0	0.1	50.2	4.4	0.3	0.6	20.9	3.5	24.4	0.4	17.5
1997	**61.4**	**0.2**	**49.5**	**3.2**	**0.3**	**0.3**	**22.1**	**3.0**	**25.1**	**0.3**	**13.7**
1998											
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	64.8	0.2	48.6	3.0	0.2	0.3	21.3	2.4	23.7	0.3	15.4

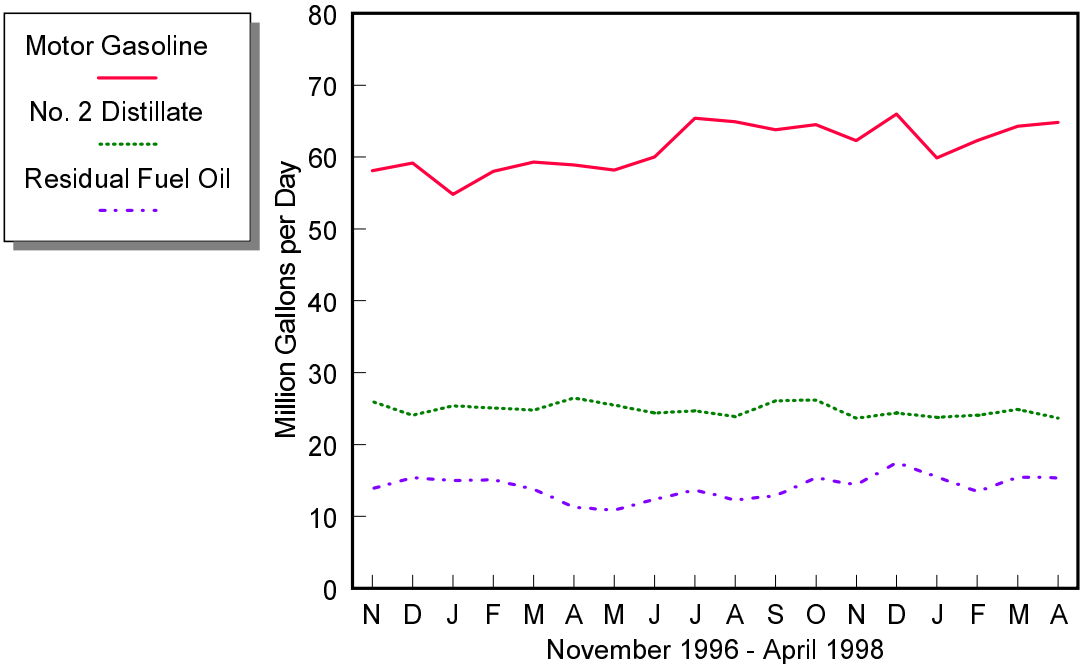
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

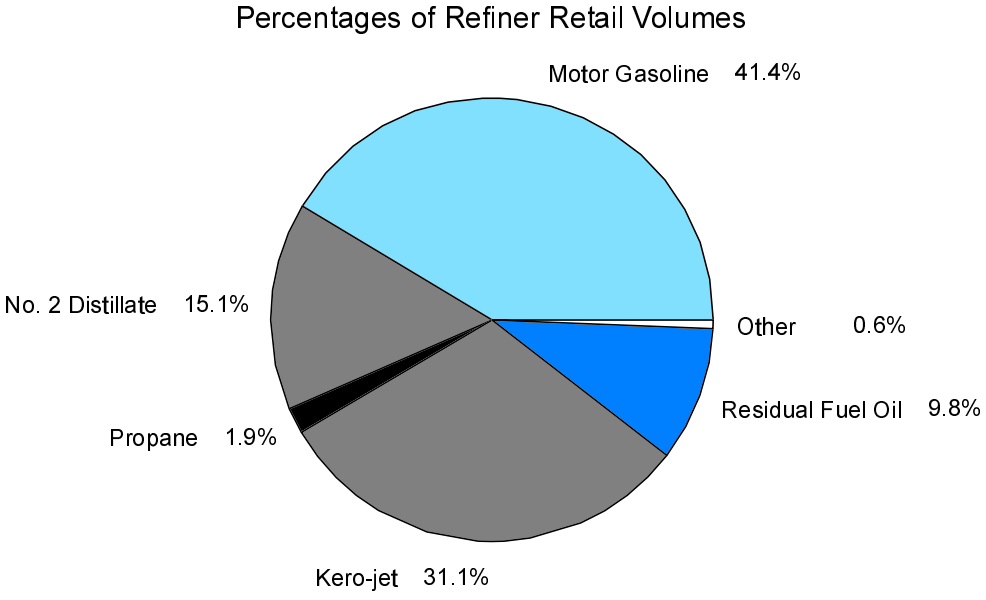
Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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





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[a]	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											
January	61.0	94.7	60.3	41.6	65.8	65.0	56.2	56.8	56.4	60.3	45.2
February	61.6	96.5	57.3	44.2	65.7	66.6	57.9	58.9	58.2	58.2	40.1
March	67.9	100.6	59.6	41.1	68.0	70.5	61.9	62.8	62.2	59.1	42.0
April	76.1	107.5	65.3	37.8	75.1	78.2	70.1	67.5	69.4	61.6	43.7
May	78.0	110.0	62.2	36.2	66.1	79.2	66.8	61.1	65.5	57.8	41.0
June	73.0	107.0	57.5	36.2	59.8	69.3	59.1	53.7	57.8	54.3	37.4
July	72.3	105.3	59.6	36.9	61.7	69.8	60.0	57.1	59.4	51.8	38.9
August	71.1	107.1	64.5	38.9	66.6	76.7	64.9	62.1	64.3	54.7	39.0
September	71.6	106.8	71.6	45.2	75.6	83.3	71.7	68.7	71.0	57.2	41.2
October	72.8	107.1	73.6	51.1	80.7	85.7	75.4	72.7	74.7	63.9	45.0
November	74.5	108.4	72.2	57.9	79.7	84.0	73.3	71.4	72.7	65.7	46.3
December	73.1	107.1	73.0	67.7	79.0	80.0	71.0	71.2	71.1	65.7	46.0
1996	**71.3**	**105.5**	**64.6**	**46.1**	**71.4**	**75.1**	**65.9**	**63.9**	**65.3**	**60.3**	**42.0**
1997											
January	74.8	109.0	73.5	59.9	77.7	78.9	69.9	69.8	69.8	63.8	42.9
February	73.1	108.7	71.4	44.7	73.4	77.0	67.8	64.5	66.6	58.8	39.4
March	71.5	107.9	61.8	41.3	63.2	72.7	62.5	57.7	61.1	53.7	35.8
April	70.4	108.5	60.5	37.7	62.1	70.6	61.7	58.6	61.0	49.7	36.1
May	71.1	108.2	59.4	36.9	61.1	69.7	60.7	58.8	60.3	52.9	35.8
June	68.3	105.9	58.1	36.4	57.1	66.5	56.5	54.5	56.1	47.0	36.7
July	67.5	104.9	56.8	35.9	56.2	63.6	55.8	53.8	55.4	46.0	36.6
August	75.0	108.9	59.4	37.5	60.5	67.3	58.9	55.3	58.1	52.6	38.3
September	72.3	108.9	58.8	39.5	60.1	67.2	57.8	54.3	57.0	54.1	38.7
October	68.6	104.5	61.3	41.1	63.8	72.0	61.7	59.0	61.2	56.8	42.0
November	65.9	102.1	61.3	39.6	62.6	71.0	61.5	58.4	60.7	57.3	43.5
December	61.7	99.8	55.6	37.5	57.8	64.1	55.0	53.4	54.6	49.0	35.6
1997	**70.0**	**106.6**	**61.2**	**41.6**	**65.1**	**72.1**	**60.6**	**58.9**	**60.2**	**55.1**	**38.7**
1998											
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	91.0	46.6	30.3	46.3	55.4	48.1	44.9	47.4	41.7	30.6

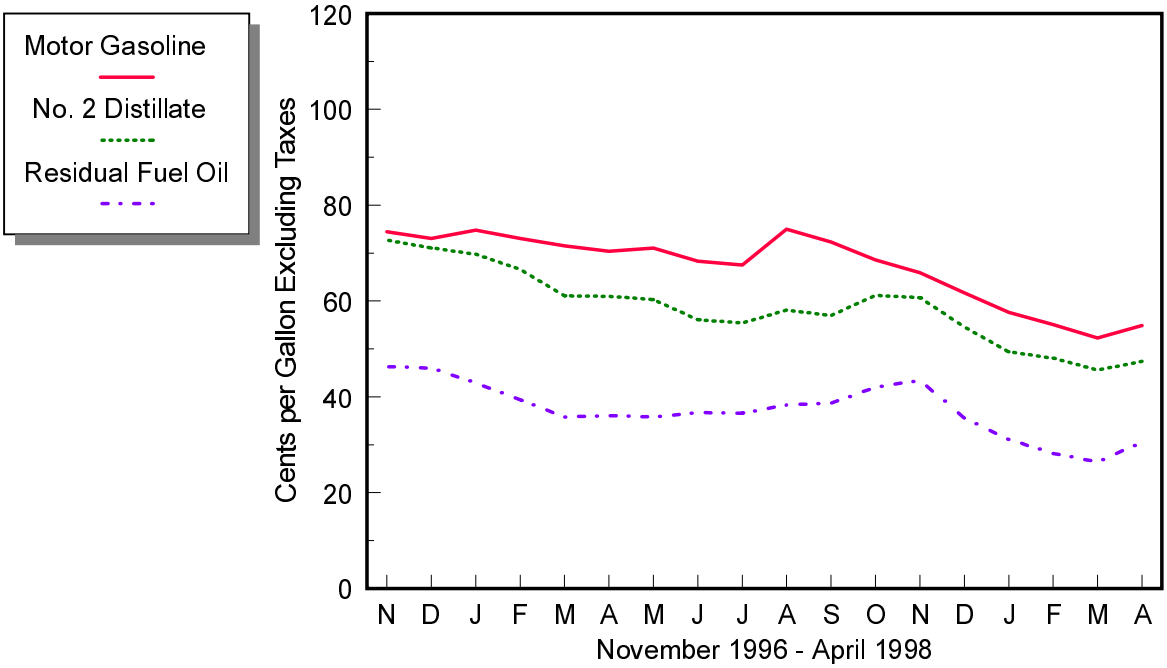
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

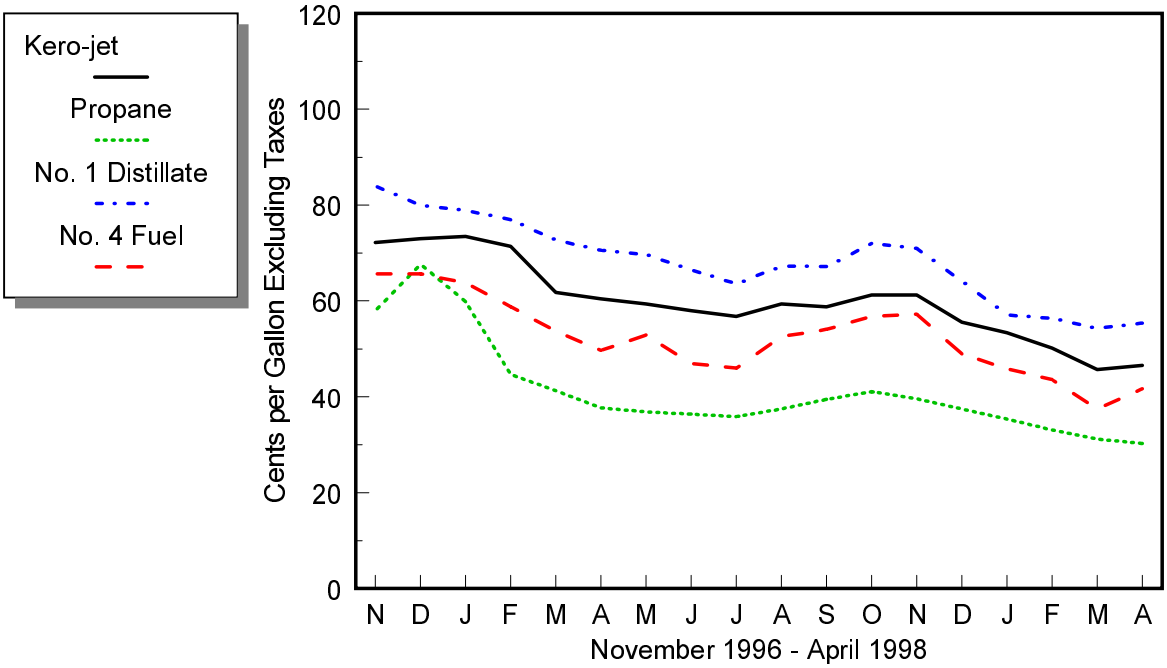
Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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[a]	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
1983	**242.5**	**0.7**	**5.4**	**26.0**	**2.5**	**2.4**	**38.1**	**47.3**	**85.5**	**0.9**	**20.2**
1984	**246.3**	**0.8**	**6.6**	**26.7**	**2.2**	**2.6**	**42.8**	**51.4**	**94.2**	**1.7**	**21.3**
1985	**256.9**	**0.7**	**7.6**	**29.2**	**2.4**	**2.7**	**43.3**	**53.9**	**97.3**	**1.2**	**19.9**
1986	**257.2**	**0.7**	**9.2**	**26.3**	**2.4**	**2.5**	**46.4**	**53.8**	**100.3**	**1.2**	**18.6**
1987	**257.2**	**0.8**	**10.1**	**27.0**	**2.3**	**2.0**	**44.3**	**49.3**	**93.6**	**1.5**	**16.9**
1988	**263.7**	**0.7**	**10.0**	**27.7**	**2.7**	**2.6**	**47.8**	**50.1**	**97.9**	**1.2**	**18.9**
1989	**260.7**	**0.7**	**8.6**	**25.9**	**2.7**	**2.7**	**50.7**	**46.7**	**97.5**	**1.2**	**21.0**
1990	**264.8**	**0.7**	**8.8**	**25.5**	**2.2**	**2.4**	**51.9**	**45.9**	**97.8**	**0.8**	**17.9**
1991	**261.3**	**0.7**	**8.7**	**25.4**	**2.1**	**2.4**	**51.5**	**46.9**	**98.3**	**0.4**	**17.8**
1992	**265.4**	**0.7**	**8.0**	**26.7**	**2.2**	**2.3**	**50.8**	**48.9**	**99.7**	**0.4**	**15.2**
1993	**266.9**	**0.6**	**8.3**	**27.9**	**2.3**	**2.3**	**58.0**	**43.6**	**101.7**	**0.4**	**12.6**
1994	**276.7**	**0.7**	**9.1**	**28.4**	**2.5**	**1.9**	**72.4**	**32.9**	**105.3**	**0.4**	**12.8**
1995	**288.8**	**0.6**	**9.9**	**30.6**	**2.4**	**1.7**	**75.9**	**31.0**	**106.9**	**0.3**	**13.6**
1996											
January	264.5	0.4	12.7	44.2	6.2	4.3	72.7	46.4	119.1	0.5	16.7
February	283.4	0.5	13.2	40.8	5.9	3.5	78.3	45.4	123.7	0.5	15.0
March	280.3	0.5	11.8	32.1	3.1	1.3	82.4	37.0	119.4	0.5	16.7
April	299.7	0.6	12.4	27.3	1.4	0.4	89.1	31.2	120.3	0.3	13.5
May	301.4	0.7	11.2	22.2	0.9	0.2	85.6	24.9	110.5	0.2	12.7
June	306.8	0.7	10.0	23.1	0.6	0.3	83.8	25.9	109.6	0.1	14.1
July	310.4	0.8	11.1	25.0	0.7	0.3	86.6	22.8	109.4	0.2	14.1
August	306.9	0.9	11.7	30.2	1.1	0.4	87.4	23.9	111.3	0.1	15.6
September	286.4	0.7	10.0	30.4	2.0	0.9	85.2	26.8	112.0	0.2	11.8
October	293.7	0.6	11.2	35.3	2.9	1.9	92.2	33.1	125.2	0.2	11.2
November	292.6	0.5	10.3	41.0	3.4	3.6	80.7	38.3	119.1	0.3	11.3
December	297.0	0.4	12.8	43.2	4.1	4.1	79.8	42.3	122.1	0.5	12.3
1996	**293.6**	**0.6**	**11.5**	**32.9**	**2.7**	**1.8**	**83.7**	**33.1**	**116.8**	**0.3**	**13.8**
1997											
January	275.8	0.4	11.1	44.6	5.3	4.4	81.6	46.3	127.8	0.5	13.8
February	288.4	0.5	10.0	38.4	3.4	2.7	79.4	42.3	121.7	0.4	13.5
March	289.8	0.5	10.3	28.1	2.0	1.1	85.0	35.7	120.7	0.3	9.5
April	293.1	0.6	9.7	25.8	1.3	0.4	91.1	29.9	121.0	0.3	10.5
May	300.3	0.7	10.2	24.8	1.0	0.3	90.4	26.1	116.4	0.1	8.0
June	296.9	0.8	11.2	24.4	0.8	0.4	94.0	28.0	122.0	0.2	10.9
July	306.7	0.8	11.3	26.5	1.4	0.4	92.3	23.9	116.1	0.1	11.1
August	304.0	0.8	12.0	28.7	1.2	0.4	87.5	25.0	112.5	0.2	12.3
September	290.8	0.7	10.6	32.4	1.9	0.9	94.5	27.0	121.5	0.1	11.8
October	299.6	0.6	11.0	34.7	2.6	1.6	100.7	26.4	127.1	0.1	12.7
November	286.2	0.5	14.1	35.8	4.0	3.1	85.8	27.6	113.5	0.1	11.8
December	298.4	0.5	14.3	42.5	4.9	3.2	90.1	35.4	125.6	0.3	12.9
1997	**294.3**	**0.6**	**11.3**	**32.2**	**2.5**	**1.6**	**89.4**	**31.1**	**120.5**	**0.2**	**11.6**
1998											
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	311.5	0.6	12.7	29.1	1.7	0.3	89.1	27.3	116.4	0.1	16.4

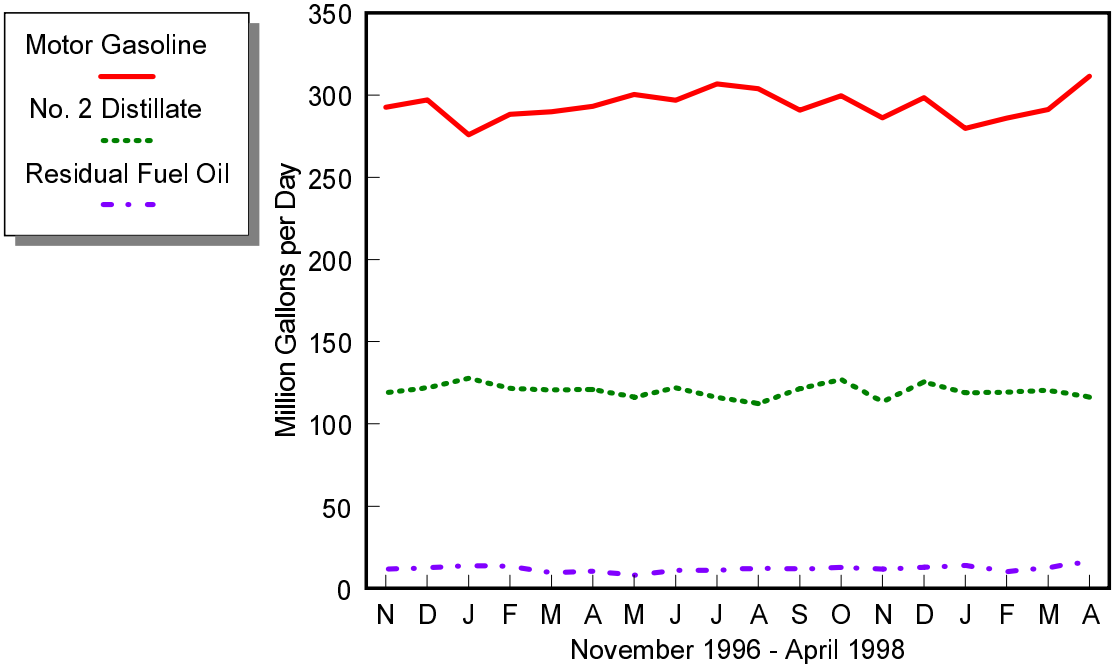
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

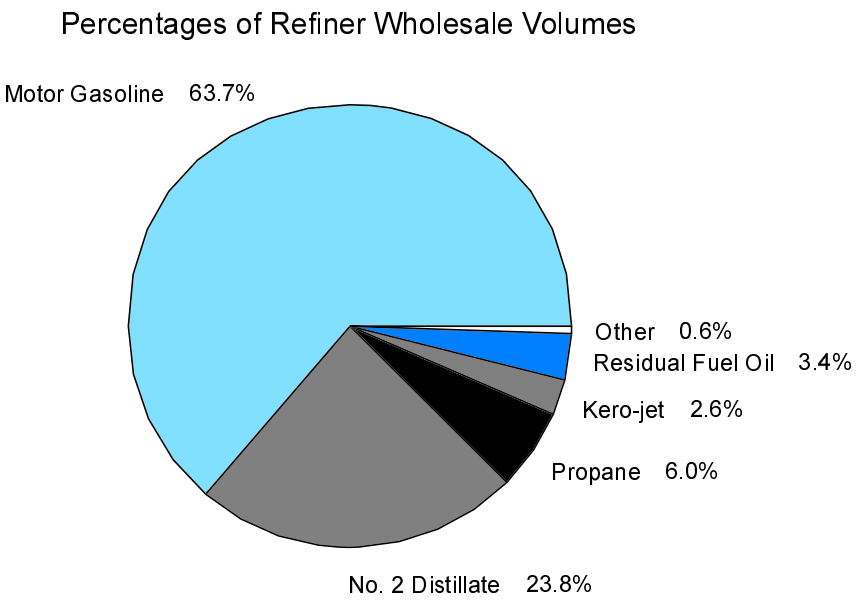
Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

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





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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
1983	**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												
January	70.5	69.9	66.3	55.9	52.2	57.7	79.6	79.1	71.7	60.3	–	65.4
February	70.5	70.0	66.4	57.0	53.0	58.4	79.8	79.3	72.2	61.1	–	66.1
March	75.8	75.3	70.9	64.0	59.3	64.9	84.7	84.3	77.0	67.9	W	72.0
April	84.5	83.9	81.0	72.4	66.6	73.2	93.7	93.2	87.0	76.9	–	81.3
May	89.3	88.8	88.0	72.7	68.0	75.2	99.1	98.6	93.7	77.0	–	84.2
June	86.9	86.3	85.2	67.4	61.6	70.0	96.5	95.9	91.0	70.6	–	79.4
July	83.9	83.4	81.9	67.3	62.0	69.4	93.4	93.0	87.6	71.2	–	78.1
August	81.2	80.7	78.0	66.7	61.5	68.3	90.6	90.2	83.7	70.5	NA	76.1
September	80.8	80.4	76.4	67.7	62.4	68.8	89.8	89.4	82.1	71.5	W	76.1
October	80.9	80.4	75.7	69.7	63.4	70.1	90.1	89.7	81.5	73.7	W	77.1
November	83.4	82.9	75.7	72.1	65.7	71.9	92.2	91.7	81.3	75.6	W	78.1
December	82.5	82.0	75.4	70.1	65.7	70.4	91.6	91.2	81.3	74.4	NA	77.4
1996	**81.2**	**80.7**	**77.0**	**67.2**	**62.2**	**68.5**	**90.1**	**89.6**	**82.4**	**70.9**	**NA**	**75.9**
1997												
January	83.1	82.6	77.2	71.7	68.1	72.3	92.4	92.0	82.6	75.7	W	78.8
February	82.7	82.1	77.7	69.2	66.0	70.5	92.0	91.6	83.0	73.1	W	77.5
March	80.8	80.3	77.0	66.9	64.9	68.8	90.3	89.9	82.4	71.0	NA	76.1
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	61.8	68.5	90.3	89.9	82.3	70.8	NA	75.7
June	79.7	79.2	74.9	63.9	58.8	65.5	89.1	88.7	80.8	67.2	W	72.9
July	77.9	77.4	72.3	63.9	57.9	64.8	87.4	86.9	78.4	67.5	W	72.0
August	83.2	82.8	79.2	71.5	66.1	72.3	92.6	92.3	85.4	75.3	W	79.5
September	83.6	83.1	81.2	67.2	63.5	69.5	93.2	92.8	87.4	71.0	W	77.9
October	80.9	80.3	78.2	63.3	59.8	65.8	90.5	90.1	84.1	67.3	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	60.6	W	67.3
1997	**80.4**	**79.8**	**76.4**	**65.6**	**61.6**	**67.3**	**89.8**	**89.5**	**82.2**	**69.4**	**71.1**	**74.9**
1998												
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	48.4	52.3	73.0	72.7	64.2	55.6	W	59.2

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	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												
January	88.3	87.5	79.5	65.7	57.2	70.1	75.4	74.8	70.8	58.1	52.9	61.0
February	88.4	87.7	80.0	66.6	57.2	70.6	75.5	74.9	71.0	59.1	53.6	61.6
March	93.3	92.6	84.6	73.3	63.9	76.9	80.4	79.8	75.4	66.0	59.8	67.9
April	102.1	101.3	93.8	81.9	74.9	85.8	88.8	88.1	85.0	74.3	67.3	76.1
May	106.6	105.7	100.3	82.1	74.0	87.9	93.3	92.7	91.5	74.5	68.5	78.0
June	103.9	103.0	97.7	76.1	66.9	83.0	91.0	90.3	88.9	69.0	62.1	73.0
July	101.1	100.3	94.5	76.7	68.0	82.1	88.0	87.5	85.6	69.2	62.5	72.3
August	98.3	97.6	90.9	75.9	65.2	80.3	85.4	84.9	81.8	68.5	61.8	71.1
September	98.0	97.3	89.4	77.0	68.1	80.9	84.9	84.4	80.3	69.5	63.1	71.6
October	98.2	97.5	89.4	79.2	68.7	82.0	85.0	84.4	79.8	71.5	64.1	72.8
November	100.4	99.7	89.7	81.7	71.1	83.9	87.3	86.8	79.8	73.9	66.1	74.5
December	100.2	99.5	89.5	80.1	70.8	82.4	86.5	86.0	79.5	72.0	66.3	73.1
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**
1997												
January	100.9	100.2	90.8	81.4	72.5	84.2	87.2	86.6	81.0	73.5	68.4	74.8
February	100.4	99.7	90.8	78.6	69.3	82.7	86.7	86.1	81.4	71.0	66.2	73.1
March	98.5	97.8	90.1	76.3	68.3	80.7	84.9	84.3	80.8	68.7	65.3	71.5
April	97.9	97.5	90.1	75.0	66.5	79.7	84.4	83.9	81.3	67.4	62.9	70.4
May	97.9	97.3	89.1	76.8	67.7	80.4	85.0	84.5	80.3	69.4	62.3	71.1
June	96.8	96.1	87.8	73.1	64.9	77.4	83.8	83.3	78.8	65.6	59.6	68.3
July	95.5	94.8	85.8	73.5	63.6	77.1	82.0	81.5	76.4	65.8	58.4	67.5
August	100.8	100.3	92.8	81.3	73.8	84.5	87.2	86.8	83.2	73.3	66.9	75.0
September	101.5	101.2	94.4	76.7	68.9	82.0	87.6	87.2	85.1	68.9	64.0	72.3
October	98.4	97.7	90.8	72.7	64.1	77.8	84.9	84.3	81.9	65.1	60.3	68.6
November	95.6	94.9	87.8	69.6	59.0	74.8	82.2	81.6	78.8	62.3	56.4	65.9
December	92.0	91.4	83.8	65.5	56.8	70.9	78.3	77.8	74.6	58.1	53.8	61.7
1997	**97.9**	**97.3**	**89.4**	**74.9**	**65.7**	**79.2**	**84.4**	**83.9**	**80.3**	**67.4**	**62.0**	**70.0**
1998												
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	80.7	71.4	60.9	53.1	63.7	67.8	67.4	62.1	53.5	48.9	54.9

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1983	**20.0**	**23.5**	**–**	**–**	**–**	**98.3**	**–**	**–**	**–**	**–**	**–**	**–**
1984	**24.3**	**27.8**	**–**	**–**	**–**	**106.8**	**–**	**–**	**–**	**–**	**–**	**–**
1985	**26.2**	**29.9**	**–**	**–**	**–**	**119.7**	**–**	**–**	**–**	**–**	**–**	**–**
1986	**30.9**	**34.7**	**–**	**–**	**–**	**127.0**	**–**	**–**	**–**	**–**	**–**	**–**
1987	**32.7**	**36.1**	**–**	**–**	**–**	**141.9**	**–**	**–**	**–**	**–**	**–**	**–**
1988	**34.2**	**37.3**	**–**	**–**	**–**	**153.6**	**–**	**–**	**–**	**–**	**–**	**–**
1989	**34.3**	**36.8**	**–**	**–**	**–**	**155.7**	**4.9**	**5.1**	**–**	**–**	**–**	**16.4**
1990	**36.7**	**38.8**	**–**	**–**	**–**	**174.5**	**7.4**	**7.6**	**–**	**–**	**–**	**23.1**
1991	**38.4**	**40.4**	**–**	**–**	**–**	**180.9**	**7.9**	**8.2**	**–**	**–**	**–**	**23.7**
1992	**36.5**	**38.4**	**–**	**–**	**–**	**182.2**	**8.9**	**9.2**	**–**	**–**	**–**	**27.5**
1993	**35.6**	**37.2**	**–**	**–**	**–**	**184.0**	**8.7**	**8.9**	**–**	**–**	**–**	**27.7**
1994	**34.3**	**35.9**	**47.7**	**120.3**	**24.3**	**192.3**	**8.5**	**8.7**	**12.8**	**15.7**	**0.2**	**28.7**
1995	**34.3**	**35.9**	**43.8**	**126.2**	**31.8**	**201.8**	**9.6**	**9.8**	**13.3**	**17.2**	**0.1**	**30.6**
1996												
January	32.2	33.7	41.0	115.8	25.9	182.7	9.5	9.8	12.9	16.0	–	28.9
February	33.1	34.7	42.8	121.9	32.1	196.8	9.7	10.0	13.6	16.9	–	30.5
March	35.0	36.7	45.1	122.5	28.8	196.4	10.0	10.3	13.7	17.0	W	30.7
April	36.6	38.7	46.9	132.1	39.8	218.8	9.6	9.9	13.4	17.0	–	30.4
May	38.5	40.3	48.7	137.8	38.8	225.2	9.2	9.5	12.6	16.5	–	29.2
June	39.3	41.0	48.1	137.3	43.1	228.6	9.6	9.8	12.6	16.6	–	29.3
July	38.6	40.4	47.3	141.2	40.8	229.4	9.5	9.8	12.6	17.4	–	29.9
August	38.8	40.7	48.0	141.8	35.2	225.0	9.6	10.0	12.7	17.3	NA	30.1
September	37.9	39.6	46.6	131.4	31.5	209.5	9.4	9.6	12.4	15.9	W	28.4
October	38.3	40.2	48.0	134.8	32.0	214.8	9.4	9.7	12.7	16.4	W	29.1
November	38.3	40.2	48.2	133.6	33.9	215.7	9.4	9.7	12.8	16.3	W	29.2
December	39.1	41.1	47.1	132.0	40.2	219.4	9.6	9.8	12.6	16.0	NA	28.7
1996	**37.2**	**38.9**	**46.5**	**131.9**	**35.2**	**213.6**	**9.5**	**9.8**	**12.9**	**16.6**	**NA**	**29.5**
1997												
January	36.0	38.0	45.9	123.3	35.5	204.6	8.8	9.1	W	15.0	W	26.9
February	38.4	40.5	48.0	128.4	39.1	215.4	9.2	9.5	W	15.5	W	28.0
March	39.1	41.2	48.0	130.7	35.8	214.5	9.4	9.7	12.4	15.6	0.0	28.0
April	38.5	40.7	47.7	134.5	34.0	216.2	9.3	9.6	W	16.1	W	28.3
May	38.2	40.0	45.9	138.2	38.1	222.2	9.2	9.5	12.2	16.4	0.0	28.6
June	39.4	41.1	46.1	140.2	30.8	217.1	9.5	9.8	W	16.7	W	29.0
July	43.3	45.0	45.7	146.8	32.5	224.9	10.4	10.7	W	17.9	W	30.3
August	43.5	45.2	46.3	144.4	33.8	224.6	10.3	10.6	W	17.2	W	29.4
September	42.9	44.6	45.1	137.4	33.9	216.4	10.0	10.2	W	16.2	W	27.8
October	43.2	45.1	45.8	139.9	36.2	221.9	10.1	10.4	W	16.7	W	28.5
November	41.8	43.3	46.3	132.0	32.2	210.5	9.8	10.0	W	15.7	W	27.4
December	44.1	45.7	46.8	135.8	37.0	219.6	10.6	10.7	W	16.5	W	28.3
1997	**40.7**	**42.6**	**46.4**	**136.0**	**34.9**	**217.4**	**9.7**	**10.0**	**12.1**	**16.3**	**0.0**	**28.4**
1998												
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	43.3	44.8	47.9	138.2	45.8	231.9	10.0	10.2	W	16.0	W	27.3

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1983	**5.0**	**6.2**	**–**	**–**	**–**	**28.7**	**42.3**	**51.1**	**–**	**–**	**–**	**242.5**
1984	**8.5**	**9.2**	**–**	**–**	**–**	**33.7**	**50.3**	**57.6**	**–**	**–**	**–**	**246.3**
1985	**9.2**	**10.0**	**–**	**–**	**–**	**38.0**	**50.5**	**57.5**	**–**	**–**	**–**	**256.9**
1986	**9.0**	**9.8**	**–**	**–**	**–**	**45.1**	**54.2**	**61.2**	**–**	**–**	**–**	**257.2**
1987	**11.2**	**11.6**	**–**	**–**	**–**	**53.0**	**55.7**	**61.0**	**–**	**–**	**–**	**257.2**
1988	**13.8**	**14.5**	**–**	**–**	**–**	**62.4**	**56.7**	**61.0**	**–**	**–**	**–**	**263.7**
1989	**13.5**	**14.2**	**–**	**–**	**–**	**60.8**	**57.5**	**61.2**	**–**	**–**	**–**	**260.7**
1990	**11.2**	**11.7**	**–**	**–**	**–**	**53.7**	**57.4**	**60.3**	**–**	**–**	**–**	**264.8**
1991	**10.5**	**10.9**	**–**	**–**	**–**	**48.3**	**58.4**	**61.2**	**–**	**–**	**–**	**261.3**
1992	**10.3**	**10.7**	**–**	**–**	**–**	**51.7**	**56.4**	**59.0**	**–**	**–**	**–**	**265.4**
1993	**10.3**	**10.6**	**–**	**–**	**–**	**52.8**	**54.9**	**57.2**	**–**	**–**	**–**	**266.9**
1994	**10.0**	**10.3**	**22.6**	**29.9**	**3.2**	**55.7**	**52.8**	**55.0**	**83.1**	**165.9**	**27.7**	**276.7**
1995	**9.8**	**10.2**	**20.8**	**31.5**	**4.2**	**56.4**	**53.7**	**55.9**	**77.9**	**174.8**	**36.0**	**288.8**
1996												
January	9.2	9.5	19.4	29.3	4.2	52.9	50.9	53.0	73.3	161.0	30.1	264.5
February	9.5	9.8	20.4	30.6	5.1	56.1	52.3	54.6	76.8	169.4	37.2	283.4
March	9.1	9.4	19.9	29.6	3.6	53.2	54.1	56.4	78.7	169.1	32.5	280.3
April	8.3	8.6	18.5	28.4	3.6	50.5	54.5	57.2	78.7	177.5	43.4	299.7
May	7.6	8.0	16.6	26.6	3.7	47.0	55.4	57.8	77.9	181.0	42.5	301.4
June	8.1	8.4	17.3	27.6	4.1	49.0	56.9	59.2	78.1	181.5	47.2	306.8
July	8.3	8.7	17.4	29.9	3.8	51.1	56.4	58.9	77.4	188.4	44.6	310.4
August	8.6	9.0	18.0	30.0	3.8	51.8	57.1	59.7	78.8	189.0	39.1	306.9
September	8.2	8.6	17.6	27.1	3.7	48.5	55.5	57.8	76.6	174.5	35.3	286.4
October	8.2	8.5	17.8	27.7	4.2	49.8	55.9	58.5	78.5	178.9	36.2	293.7
November	7.9	8.2	17.7	26.6	3.3	47.6	55.6	58.1	78.8	176.5	37.2	292.6
December	8.0	8.3	17.2	26.2	5.5	48.9	56.7	59.2	76.9	174.2	45.8	297.0
1996	**8.4**	**8.8**	**18.2**	**28.3**	**4.1**	**50.5**	**55.1**	**57.5**	**77.5**	**176.8**	**39.3**	**293.6**
1997												
January	7.4	7.8	W	24.6	W	44.2	52.2	54.8	74.2	162.8	38.7	275.8
February	7.7	8.1	W	25.3	W	45.0	55.3	58.0	77.5	169.2	41.7	288.4
March	8.1	8.4	17.4	26.1	3.8	47.4	56.6	59.3	77.7	172.4	39.7	289.8
April	8.1	8.5	W	27.5	W	48.7	55.8	58.9	77.1	178.1	37.9	293.1
May	8.2	8.6	17.2	28.7	3.6	49.5	55.5	58.2	75.3	183.3	41.8	300.3
June	8.6	9.0	W	29.0	W	50.8	57.5	60.0	75.8	185.9	35.2	296.9
July	9.3	9.8	W	31.1	W	51.5	63.0	65.4	75.4	195.8	35.6	306.7
August	8.7	9.2	W	29.3	W	50.0	62.5	64.9	75.2	190.9	37.9	304.0
September	8.4	8.9	W	27.2	W	46.6	61.3	63.8	72.5	180.7	37.7	290.8
October	8.7	9.0	W	28.1	W	49.1	62.0	64.5	73.8	184.7	41.0	299.6
November	8.6	8.9	W	26.8	W	48.4	60.3	62.3	74.7	174.4	37.1	286.2
December	9.4	9.6	W	28.5	W	50.5	64.0	66.0	75.7	180.8	41.9	298.4
1997	**8.4**	**8.8**	**16.9**	**27.7**	**3.9**	**48.5**	**58.9**	**61.4**	**75.4**	**180.0**	**38.8**	**294.3**
1998												
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	9.6	9.8	W	29.5	W	52.3	62.9	64.8	76.9	183.7	50.9	311.5

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.

[a] 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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
1994	**68.7**	**68.1**	**63.6**	**54.5**	**50.0**	**55.8**	**78.4**	**77.8**	**69.4**	**NA**	**NA**	**62.7**
1995	**71.0**	**70.4**	**65.1**	**57.0**	**52.5**	**57.3**	**80.0**	**79.4**	**71.1**	**61.0**	**NA**	**63.7**
1996												
January	68.4	67.8	61.8	54.9	51.4	55.0	77.5	76.9	68.0	59.1	–	61.2
February	68.5	67.9	63.4	56.2	52.1	56.4	77.9	77.3	69.7	60.2	–	62.9
March	74.7	74.1	69.1	63.5	57.8	63.5	83.7	83.2	75.4	67.3	W	69.7
April	82.9	82.2	77.5	71.5	64.0	70.8	92.0	91.4	83.8	75.7	–	77.9
May	86.2	85.7	82.1	71.8	65.3	71.9	95.5	95.0	87.7	75.8	–	78.8
June	83.6	83.0	79.0	66.6	60.0	66.6	92.6	92.0	84.8	69.3	–	73.2
July	81.2	80.7	76.4	66.6	60.1	66.5	90.3	89.8	82.3	70.1	–	73.1
August	79.3	78.8	74.3	66.1	60.0	66.1	88.4	87.9	80.6	69.6	W	72.2
September	79.9	79.4	74.7	67.1	60.9	67.1	88.7	88.2	81.0	70.7	–	73.3
October	79.9	79.4	75.7	69.3	62.6	68.9	89.1	88.5	82.3	73.2	–	75.4
November	83.8	83.2	78.2	71.9	65.8	71.6	92.1	91.6	84.2	75.2	–	77.3
December	82.8	82.2	76.3	69.5	64.6	69.2	91.5	90.9	83.0	73.7	W	75.8
1996	**79.7**	**79.1**	**74.3**	**66.5**	**60.7**	**66.4**	**88.4**	**87.8**	**80.1**	**70.0**	**NA**	**72.6**
1997												
January	82.3	81.7	76.2	71.0	66.5	70.7	91.3	90.8	82.4	74.9	–	76.7
February	80.8	80.1	74.8	68.6	64.5	68.4	90.1	89.6	81.2	72.3	–	74.5
March	78.6	77.9	72.3	66.1	62.7	66.2	88.4	87.9	78.6	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	79.7	79.0	73.4	67.4	61.4	66.9	88.7	88.3	79.1	70.3	–	72.5
June	78.5	78.0	72.1	63.7	59.0	64.0	87.7	87.3	78.5	66.8	–	69.6
July	76.7	76.2	69.6	63.7	57.4	63.4	85.8	85.4	76.1	67.1	–	69.1
August	82.1	81.5	75.8	70.8	63.9	70.3	91.1	90.7	81.9	74.4	–	76.1
September	80.5	80.0	74.4	66.1	60.8	66.1	89.8	89.4	81.1	69.6	–	72.2
October	77.0	76.3	70.2	62.1	57.0	62.1	86.5	86.1	76.7	65.8	–	68.2
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
1997	**78.1**	**77.5**	**71.8**	**64.9**	**60.1**	**64.8**	**87.4**	**87.0**	**78.2**	**68.5**	**W**	**70.7**
1998												
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	62.5	62.1	55.0	50.9	47.0	50.4	71.7	71.3	61.4	54.7	–	56.2

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
1994	**86.3**	**85.5**	**77.8**	**63.8**	**55.5**	**68.2**	**73.6**	**72.9**	**68.3**	**56.5**	**50.7**	**58.9**
1995	**87.7**	**86.8**	**79.0**	**66.5**	**56.8**	**68.4**	**75.3**	**74.6**	**69.3**	**59.0**	**53.0**	**59.8**
1996												
January	85.5	84.6	75.3	64.6	55.6	65.6	72.9	72.2	66.2	57.0	52.0	57.5
February	85.9	84.9	77.3	65.8	55.4	67.1	73.1	72.4	67.8	58.2	52.5	58.9
March	92.0	91.1	82.8	72.9	61.0	74.3	79.0	78.3	73.2	65.5	58.1	65.9
April	100.1	99.2	90.0	81.0	71.1	82.1	86.8	86.0	81.0	73.3	64.4	73.1
May	103.3	102.4	94.7	81.1	71.0	83.0	89.9	89.3	85.4	73.5	65.7	74.0
June	100.3	99.3	92.0	75.3	64.4	77.8	87.2	86.6	82.4	68.1	60.2	68.7
July	98.1	97.2	89.4	75.9	65.9	77.7	85.0	84.4	79.9	68.4	60.4	68.7
August	96.2	95.3	87.6	75.2	62.7	76.5	83.1	82.5	77.9	67.8	60.2	68.2
September	96.9	95.9	88.2	76.4	65.8	78.0	83.6	83.1	78.4	68.9	61.3	69.2
October	96.7	95.8	89.3	78.7	67.4	79.5	83.7	83.1	79.4	71.0	63.1	71.0
November	100.2	99.2	91.4	81.3	71.3	82.4	87.2	86.6	81.8	73.6	66.2	73.6
December	99.9	98.9	90.4	79.3	69.1	79.8	86.5	85.7	80.2	71.3	65.1	71.3
1996	**96.0**	**95.1**	**86.9**	**75.5**	**64.5**	**76.7**	**83.4**	**82.7**	**77.8**	**68.2**	**61.0**	**68.5**
1997												
January	99.7	98.6	90.0	80.7	69.9	81.5	86.1	85.3	80.0	72.8	66.7	72.7
February	98.3	97.4	88.7	78.0	67.6	79.2	84.6	83.9	78.6	70.3	64.7	70.4
March	96.3	95.5	86.3	75.7	66.3	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	61.1	67.3
May	96.6	95.7	86.3	76.5	66.0	77.5	83.4	82.8	76.9	69.0	61.7	68.9
June	95.4	94.6	85.5	72.8	64.8	74.3	82.4	81.7	75.8	65.4	59.6	66.0
July	93.9	93.2	83.5	73.2	63.0	74.4	80.5	79.9	73.4	65.5	57.8	65.5
August	99.2	98.3	89.3	80.4	71.4	81.1	85.7	85.2	79.4	72.6	64.6	72.4
September	98.2	97.5	88.4	75.5	65.9	76.8	84.3	83.7	78.1	67.8	61.2	68.1
October	94.5	93.6	84.0	71.6	61.5	72.7	80.8	80.2	73.9	63.9	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	54.6	65.3	73.5	72.9	66.3	56.8	52.0	57.1
1997	**95.4**	**94.6**	**85.5**	**74.2**	**64.0**	**75.3**	**81.9**	**81.3**	**75.6**	**66.6**	**60.4**	**66.8**
1998												
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	79.8	79.1	68.2	60.3	50.2	60.6	66.5	66.0	58.6	52.7	47.2	52.4

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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 sytem. 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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1994	**29.7**	**31.2**	**36.1**	**113.5**	**22.8**	**172.4**	**7.6**	**7.8**	**10.1**	**14.6**	**0.1**	**24.8**
1995	**24.0**	**25.3**	**19.4**	**105.1**	**26.0**	**150.5**	**6.0**	**6.3**	**5.1**	**13.6**	**0.1**	**18.7**
1996												
January	19.2	20.3	13.1	92.5	21.3	126.9	5.1	5.2	3.7	12.0	–	15.7
February	21.2	22.5	18.3	100.4	26.2	144.9	5.7	5.9	5.3	13.3	–	18.5
March	24.5	25.9	21.5	103.3	23.2	148.1	6.4	6.6	5.8	13.8	W	19.6
April	25.7	27.3	20.4	110.7	31.9	163.0	6.2	6.4	5.1	13.5	–	18.6
May	26.3	27.6	19.0	114.2	27.7	160.8	5.8	6.0	4.3	12.9	–	17.2
June	26.5	27.7	18.7	112.9	34.2	165.9	6.0	6.2	4.3	12.9	–	17.2
July	26.1	27.4	18.8	117.7	31.7	168.1	6.0	6.2	4.4	13.6	–	17.9
August	26.4	27.7	18.9	117.5	25.1	161.4	6.1	6.3	4.4	13.4	W	17.9
September	25.2	26.5	17.7	108.3	22.9	148.9	5.8	6.0	4.2	12.4	–	16.6
October	23.8	25.1	16.4	110.4	25.0	151.9	5.5	5.7	3.9	12.7	–	16.6
November	22.2	23.5	16.0	107.6	25.5	149.1	5.1	5.3	3.9	12.5	–	16.4
December	22.1	23.4	15.2	105.5	30.6	151.3	5.0	5.2	3.7	12.1	W	15.9
1996	**24.1**	**25.4**	**17.8**	**108.5**	**27.1**	**153.4**	**5.7**	**5.9**	**4.4**	**12.9**	**NA**	**17.3**
1997												
January	20.6	22.0	14.7	98.2	27.1	140.0	4.7	4.9	3.6	11.4	–	15.0
February	22.2	23.7	15.5	103.1	31.3	150.0	5.0	5.2	3.8	11.9	–	15.7
March	24.1	25.6	16.7	106.6	27.7	151.0	5.6	5.7	3.9	W	W	16.1
April	25.1	26.9	18.2	111.8	27.0	157.0	5.8	5.9	4.2	12.9	–	17.0
May	24.7	26.1	17.6	114.4	29.6	161.6	5.7	5.9	4.1	13.0	–	17.2
June	25.6	27.0	17.6	116.3	23.4	157.4	5.9	6.1	4.2	13.3	–	17.4
July	28.2	29.5	17.3	122.1	25.2	164.6	6.4	6.6	4.1	14.3	–	18.4
August	27.3	28.7	17.2	119.1	25.0	161.3	6.2	6.4	4.0	13.5	–	17.5
September	26.5	27.9	16.1	112.6	26.2	155.0	6.0	6.2	3.7	12.7	–	16.4
October	26.2	27.6	15.8	113.2	27.0	156.0	6.0	6.2	3.7	12.9	–	16.5
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	107.7	28.3	150.8	5.8	6.0	3.5	12.6	–	16.1
1997	**25.0**	**26.4**	**16.3**	**110.9**	**26.9**	**154.2**	**5.7**	**5.9**	**3.9**	**12.7**	**W**	**16.6**
1998												
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	26.6	27.8	16.7	112.5	36.8	166.0	6.1	6.2	3.6	12.4	–	16.0

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1994	**8.5**	**8.9**	**16.5**	**28.0**	**2.8**	**47.2**	**45.8**	**47.9**	**62.7**	**156.0**	**25.8**	**244.5**
1995	**6.2**	**6.4**	**7.7**	**25.1**	**2.9**	**35.6**	**36.2**	**38.0**	**32.1**	**143.8**	**28.9**	**204.8**
1996												
January	5.0	5.2	5.6	22.8	3.0	31.4	29.2	30.8	22.4	127.3	24.3	174.0
February	5.5	5.7	7.5	24.4	3.8	35.7	32.3	34.1	31.1	138.1	30.0	199.1
March	5.6	5.9	7.8	24.0	2.4	34.1	36.5	38.4	35.1	141.1	25.6	201.8
April	5.1	5.3	6.2	22.8	2.1	31.1	36.9	39.0	31.7	147.0	34.0	212.7
May	4.7	4.9	5.5	21.3	2.0	28.7	36.8	38.5	28.7	148.3	29.6	206.7
June	5.0	5.2	5.6	21.9	1.8	29.3	37.5	39.1	28.6	147.7	36.0	212.3
July	5.1	5.4	5.8	24.0	2.1	31.9	37.2	38.9	28.9	155.3	33.8	218.0
August	5.3	5.6	5.8	23.9	2.3	32.1	37.9	39.6	29.1	154.9	27.5	211.4
September	4.9	5.1	5.5	21.6	1.8	29.0	36.0	37.6	27.4	142.4	24.7	194.5
October	4.5	4.8	5.1	21.9	2.8	29.9	33.8	35.5	25.5	145.0	27.9	198.4
November	4.1	4.3	5.0	20.7	1.9	27.6	31.3	33.0	24.8	140.8	27.5	193.0
December	4.0	4.3	4.8	20.3	3.9	29.0	31.2	32.9	23.7	138.0	34.6	196.2
1996	**4.9**	**5.1**	**5.8**	**22.5**	**2.5**	**30.8**	**34.7**	**36.5**	**28.1**	**143.8**	**29.6**	**201.5**
1997												
January	3.9	4.1	4.7	19.1	2.2	25.9	29.2	31.0	23.0	128.7	29.3	180.9
February	4.1	4.4	4.9	19.9	1.9	26.6	31.4	33.3	24.1	135.0	33.2	192.3
March	4.6	4.8	5.2	W	W	28.3	34.2	36.1	25.8	139.6	30.1	195.5
April	4.8	5.0	5.5	22.1	2.5	30.1	35.7	37.9	27.9	146.7	29.5	204.1
May	4.8	5.1	5.6	22.9	2.2	30.6	35.2	37.1	27.3	150.3	31.8	209.4
June	5.1	5.3	5.5	23.2	2.8	31.5	36.6	38.3	27.3	152.8	26.2	206.3
July	5.5	5.7	5.4	25.0	1.7	32.2	40.1	41.7	26.9	161.4	27.0	215.2
August	5.0	5.2	5.2	23.4	2.6	31.2	38.5	40.3	26.4	156.0	27.6	210.0
September	4.8	5.0	4.8	21.6	2.5	29.0	37.3	39.1	24.7	147.0	28.8	200.4
October	4.9	5.2	4.8	22.2	2.8	29.9	37.1	38.9	24.3	148.3	29.8	202.3
November	4.7	5.0	4.7	20.9	2.7	28.3	34.6	36.1	22.9	137.7	28.1	188.7
December	5.1	5.3	4.8	22.3	3.0	30.1	36.0	37.7	23.1	142.6	31.3	197.0
1997	**4.8**	**5.0**	**5.1**	**22.0**	**2.4**	**29.5**	**35.5**	**37.3**	**25.3**	**145.6**	**29.4**	**200.2**
1998												
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	23.6	3.2	32.0	38.2	39.7	25.5	148.5	40.0	214.0

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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 sytem. 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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
1994	**74.3**	**73.9**	**66.7**	**58.6**	**52.7**	**63.2**	**84.3**	**83.8**	**72.7**	**62.2**	**W**	**69.6**
1995	**76.7**	**76.5**	**70.9**	**63.0**	**59.2**	**66.5**	**83.4**	**83.3**	**75.0**	**65.9**	**–**	**71.3**
1996												
January	76.3	76.0	70.4	61.4	W	65.6	84.0	83.8	76.0	64.8	–	72.0
February	77.6	77.4	72.3	64.4	–	68.2	85.7	85.7	78.4	67.4	–	74.2
March	84.7	84.4	79.5	72.2	W	75.8	90.8	90.8	85.3	74.5	–	81.4
April	94.0	93.6	87.2	76.1	–	80.0	101.6	101.6	93.6	77.3	–	86.2
May	99.1	98.6	94.3	76.1	–	82.3	108.1	107.9	99.8	77.3	–	88.1
June	97.9	97.5	NA	76.5	–	82.3	105.7	105.7	98.3	77.4	–	87.6
July	95.8	95.4	NA	75.0	–	80.6	103.7	103.6	96.5	76.0	–	85.9
August	97.2	96.8	NA	78.1	–	83.2	104.3	104.3	NA	79.8	–	87.9
September	97.8	97.3	88.4	79.7	–	83.2	104.5	104.4	94.1	82.5	–	88.4
October	93.4	93.1	85.4	78.4	–	82.0	102.0	101.9	90.9	82.3	–	87.8
November	91.7	91.5	80.8	78.0	–	79.3	102.1	102.0	86.3	81.3	–	84.0
December	88.1	87.9	77.0	75.3	–	76.1	99.2	99.2	82.6	78.6	–	80.8
1996	**87.0**	**86.7**	**78.4**	**71.8**	**W**	**74.6**	**94.0**	**93.9**	**83.2**	**73.8**	**–**	**79.3**
1997												
January	89.4	89.2	82.3	77.2	–	79.7	100.2	100.2	87.4	80.3	–	84.1
February	92.4	92.2	87.5	77.5	–	82.5	101.8	101.7	92.0	80.5	–	86.8
March	95.1	94.8	89.0	75.3	–	83.0	103.0	103.0	93.9	76.7	–	88.2
April	88.7	88.4	82.1	69.4	–	72.3	95.6	95.6	85.9	70.3	–	75.8
May	89.3	89.2	82.5	75.4	–	78.0	96.8	96.8	89.1	76.2	–	82.1
June	88.0	87.8	80.1	71.6	–	74.7	95.9	95.9	85.4	72.9	–	78.0
July	85.0	84.9	75.1	71.1	–	72.5	93.2	93.2	81.5	72.9	–	76.4
August	87.6	87.5	79.9	77.7	–	78.4	96.3	96.3	85.4	79.5	–	81.8
September	91.5	91.3	85.4	75.0	–	78.6	100.0	100.0	89.8	78.7	–	82.9
October	90.2	89.9	84.6	71.8	–	76.1	98.8	98.8	89.2	74.6	–	79.7
November	87.7	87.5	81.7	70.1	–	74.2	97.8	97.8	86.5	73.2	–	78.6
December	83.5	83.4	76.5	64.7	–	68.8	94.7	94.7	82.0	68.0	–	74.0
1997	**89.2**	**89.0**	**83.0**	**72.4**	**–**	**76.7**	**98.4**	**98.4**	**87.8**	**75.0**	**–**	**80.8**
1998												
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	66.9	66.8	58.8	57.2	–	57.8	76.0	76.0	66.1	58.2	–	60.3

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
1994	**92.9**	**92.4**	**79.9**	**67.5**	**56.7**	**76.5**	**79.3**	**78.8**	**71.5**	**60.7**	**53.5**	**67.5**
1995	**94.6**	**94.3**	**84.7**	**72.4**	**W**	**79.1**	**80.4**	**80.2**	**74.2**	**64.7**	**59.5**	**69.1**
1996												
January	95.4	95.1	84.1	71.7	57.7	78.8	80.6	80.4	73.9	63.2	W	68.7
February	97.1	97.0	86.6	73.8	–	81.2	82.0	81.8	75.6	66.0	–	70.9
March	103.0	102.6	93.0	79.7	W	87.6	88.2	87.9	82.6	73.3	W	78.2
April	111.4	111.2	101.6	84.6	–	91.9	97.0	96.6	90.2	77.1	–	82.2
May	117.2	117.1	108.5	84.0	–	92.5	101.9	101.5	96.8	77.2	–	84.1
June	114.5	114.4	NA	83.1	–	91.6	100.3	100.0	NA	77.4	–	84.1
July	111.9	111.9	NA	81.7	–	89.4	98.3	97.9	NA	76.0	–	82.4
August	111.8	111.7	NA	84.1	–	91.3	99.5	99.2	NA	79.1	–	84.8
September	111.9	111.2	101.8	86.8	–	93.5	100.3	99.8	91.0	80.8	–	85.1
October	110.1	109.8	98.3	86.9	–	93.8	96.8	96.5	88.1	79.7	–	84.2
November	110.1	109.8	94.2	86.1	–	90.4	95.5	95.2	83.4	79.3	–	81.4
December	107.1	106.9	90.3	83.7	–	87.2	91.9	91.8	79.7	76.7	–	78.1
1996	**103.7**	**103.5**	**90.7**	**80.0**	**58.3**	**85.5**	**90.2**	**90.0**	**81.1**	**73.1**	**W**	**76.8**
1997												
January	109.1	108.9	95.9	85.7	–	91.0	93.3	93.1	84.8	78.6	–	81.6
February	111.9	111.6	101.0	86.2	–	94.3	95.9	95.7	89.8	78.8	–	84.5
March	113.1	112.8	103.2	82.6	–	96.1	98.0	97.7	91.7	76.2	–	85.2
April	104.2	104.2	94.7	75.4	–	79.9	91.1	90.9	84.0	70.1	–	73.5
May	105.5	105.5	98.4	80.6	–	86.6	91.7	91.5	84.7	76.0	–	79.3
June	104.7	104.7	93.2	77.0	–	82.2	90.4	90.3	81.9	72.3	–	75.8
July	101.8	101.8	88.5	76.1	–	79.6	87.6	87.4	77.0	71.9	–	73.7
August	105.1	104.9	92.6	82.7	–	85.7	90.2	90.1	81.6	78.4	–	79.5
September	108.5	108.1	97.7	82.1	–	87.4	94.0	93.7	87.2	76.2	–	80.1
October	108.0	107.6	97.5	80.6	–	87.0	93.0	92.7	86.7	73.0	–	77.7
November	107.3	107.0	95.0	79.4	–	85.7	91.4	91.1	84.0	71.5	–	76.0
December	104.1	104.1	90.3	73.9	–	80.5	87.5	87.3	79.0	66.0	–	70.8
1997	**107.9**	**107.7**	**96.9**	**80.4**	**–**	**87.6**	**92.4**	**92.2**	**85.3**	**73.6**	**–**	**78.4**
1998												
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	63.2	–	67.7	69.4	69.4	61.3	57.8	–	59.0

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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 sytem. 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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1994	**4.0**	**4.1**	**9.4**	**5.2**	**0.9**	**15.5**	**0.7**	**0.7**	**2.1**	**0.8**	**W**	**2.9**
1995	**2.5**	**2.5**	**3.8**	**W**	**W**	**8.1**	**0.5**	**0.5**	**0.8**	**0.5**	**–**	**1.3**
1996												
January	5.5	5.6	8.6	7.6	W	17.0	1.6	1.6	2.2	1.2	–	3.5
February	4.2	4.3	4.2	4.5	–	8.7	1.1	1.1	1.0	0.6	–	1.6
March	2.1	2.2	1.8	1.8	W	3.7	0.5	0.5	0.4	0.2	–	0.6
April	1.2	1.2	0.7	1.3	–	2.1	0.2	0.2	0.2	0.1	–	0.3
May	1.0	1.0	0.7	1.5	–	2.2	0.2	0.2	0.1	0.2	–	0.3
June	1.1	1.1	NA	1.5	–	2.3	0.2	0.2	0.2	0.2	–	0.3
July	1.1	1.1	NA	1.5	–	2.3	0.2	0.2	0.2	0.2	–	0.3
August	1.0	1.0	NA	1.6	–	2.4	0.2	0.2	NA	0.2	–	0.3
September	1.0	1.0	1.3	1.9	–	3.1	0.2	0.2	0.2	0.2	–	0.5
October	2.4	2.4	3.3	3.1	–	6.4	0.5	0.5	0.6	0.3	–	0.9
November	4.0	4.1	4.0	4.3	–	8.4	0.9	0.9	0.7	0.6	–	1.2
December	4.4	4.5	4.0	4.5	–	8.5	0.9	0.9	0.7	0.5	–	1.2
1996	**2.4**	**2.5**	**2.6**	**2.9**	**W**	**5.6**	**0.5**	**0.5**	**0.5**	**0.4**	**–**	**0.9**
1997												
January	4.0	4.1	4.0	4.3	–	8.3	0.9	0.9	W	W	–	1.1
February	4.0	4.0	4.0	4.0	–	8.0	0.8	0.8	W	W	–	1.1
March	2.5	2.6	2.9	2.3	–	5.1	0.4	0.4	0.5	0.2	–	0.7
April	0.9	0.9	0.5	1.6	–	2.1	0.1	0.2	W	W	–	0.3
May	1.3	1.4	1.0	1.7	–	2.7	0.2	0.2	0.2	0.2	–	0.3
June	1.5	1.6	1.0	1.8	–	2.8	0.2	0.2	W	W	–	0.4
July	1.3	1.4	1.0	1.8	–	2.8	0.2	0.2	W	W	–	0.4
August	1.3	1.4	1.0	1.9	–	2.8	0.2	0.2	W	W	–	0.4
September	1.6	1.6	1.3	2.4	–	3.7	0.2	0.2	W	W	–	0.6
October	2.1	2.2	2.0	4.0	–	6.0	0.4	0.4	W	W	–	1.1
November	3.1	3.2	2.9	5.3	–	8.2	0.7	0.7	W	W	–	1.3
December	3.4	3.4	3.0	5.6	–	8.6	0.7	0.7	W	W	–	1.3
1997	**2.3**	**2.3**	**2.0**	**3.0**	**–**	**5.1**	**0.4**	**0.4**	**0.3**	**0.4**	**–**	**0.8**
1998												
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	1.8	1.8	1.5	2.9	–	4.3	0.3	0.3	W	W	–	0.8

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1994	**1.2**	**1.2**	**5.0**	**1.4**	**0.2**	**6.6**	**5.9**	**6.1**	**16.5**	**7.4**	**1.1**	**25.0**
1995	**0.5**	**0.5**	**1.1**	**W**	**W**	**1.9**	**3.5**	**3.6**	**5.7**	**5.1**	**0.6**	**11.3**
1996												
January	1.3	1.3	2.6	1.4	0.2	4.2	8.3	8.5	13.5	10.2	W	24.7
February	0.9	0.9	1.1	0.8	–	1.8	6.3	6.3	6.2	5.9	–	12.1
March	0.4	0.4	0.4	0.3	W	0.7	3.0	3.0	2.6	2.3	W	5.0
April	0.2	0.2	0.1	0.2	–	0.3	1.6	1.6	1.0	1.7	–	2.7
May	0.1	0.1	0.1	0.2	–	0.3	1.3	1.3	1.0	1.8	–	2.8
June	0.1	0.1	NA	0.2	–	0.4	1.4	1.4	NA	1.9	–	2.9
July	0.1	0.1	NA	0.3	–	0.4	1.4	1.4	NA	2.0	–	3.0
August	0.1	0.1	NA	0.3	–	0.4	1.2	1.3	NA	2.1	–	3.2
September	0.1	0.2	0.2	0.3	–	0.5	1.3	1.4	1.8	2.4	–	4.1
October	0.4	0.4	0.7	0.5	–	1.2	3.3	3.3	4.6	3.9	–	8.5
November	0.6	0.7	0.8	0.7	–	1.5	5.5	5.6	5.5	5.6	–	11.1
December	0.7	0.7	0.8	0.7	–	1.6	6.1	6.1	5.6	5.7	–	11.3
1996	**0.4**	**0.4**	**0.6**	**0.5**	**0.0**	**1.1**	**3.4**	**3.4**	**3.7**	**3.8**	**W**	**7.6**
1997												
January	0.6	0.6	W	W	–	1.4	5.5	5.5	5.4	5.6	–	10.9
February	0.6	0.6	W	W	–	1.3	5.3	5.4	5.4	5.1	–	10.5
March	0.3	0.4	0.6	0.3	–	0.9	3.3	3.3	3.9	2.8	–	6.7
April	0.1	0.1	W	W	–	0.3	1.2	1.2	0.7	2.0	–	2.7
May	0.1	0.1	0.1	0.2	–	0.3	1.7	1.7	1.3	2.1	–	3.4
June	0.2	0.2	W	W	–	0.4	2.0	2.0	1.3	2.3	–	3.6
July	0.2	0.2	W	W	–	0.4	1.7	1.7	1.3	2.3	–	3.6
August	0.1	0.1	W	W	–	0.4	1.7	1.7	1.3	2.4	–	3.6
September	0.2	0.2	W	W	–	0.5	2.0	2.1	1.7	3.1	–	4.8
October	0.3	0.3	W	W	–	0.8	2.8	2.8	2.7	5.2	–	8.0
November	0.4	0.4	W	W	–	1.2	4.2	4.3	3.9	6.8	–	10.7
December	0.5	0.5	W	W	–	1.3	4.6	4.6	4.1	7.1	–	11.2
1997	**0.3**	**0.3**	**0.3**	**0.4**	**–**	**0.8**	**3.0**	**3.0**	**2.7**	**3.9**	**–**	**6.6**
1998												
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	2.2	2.2	1.9	3.8	–	5.7

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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 sytem. 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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
1994	**76.4**	**75.8**	**72.0**	**56.9**	**54.3**	**63.8**	**87.9**	**87.3**	**77.0**	**62.8**	**W**	**72.8**
1995	**74.9**	**74.4**	**70.7**	**60.5**	**57.3**	**65.0**	**83.6**	**83.3**	**75.3**	**65.1**	**–**	**72.3**
1996												
January	71.4	71.0	67.6	59.2	56.0	63.1	80.9	80.6	72.3	63.8	–	69.9
February	72.2	71.7	67.8	59.8	56.8	63.2	81.3	81.0	73.1	64.2	–	70.5
March	76.7	76.3	72.0	65.8	65.5	68.8	86.0	85.7	77.9	70.0	–	75.6
April	87.7	87.3	83.5	77.0	77.3	80.2	96.5	96.2	88.8	81.4	–	86.7
May	95.7	95.3	91.7	77.0	74.8	83.4	105.1	104.7	96.8	81.4	–	92.2
June	93.5	92.9	89.1	70.5	68.0	78.9	103.0	102.4	94.0	75.1	–	88.3
July	88.8	88.4	85.3	70.7	68.7	77.3	98.6	98.3	90.3	75.2	–	85.6
August	84.3	84.0	79.9	68.9	65.2	73.4	94.0	93.7	85.1	73.4	W	81.5
September	81.4	81.1	76.8	69.5	66.5	72.6	91.0	90.8	82.3	73.8	W	79.8
October	80.2	79.9	74.7	70.4	66.5	72.1	90.2	89.9	80.5	74.8	W	78.8
November	80.0	79.7	73.5	71.6	65.2	71.6	89.7	89.4	79.6	75.9	W	78.5
December	80.0	79.7	74.7	71.8	69.4	72.8	89.8	89.5	80.5	76.3	W	79.2
1996	**83.4**	**83.0**	**78.8**	**69.8**	**67.7**	**73.8**	**92.4**	**92.1**	**83.7**	**74.1**	**W**	**80.9**
1997												
January	82.3	82.1	76.9	73.8	73.2	75.2	92.0	91.6	82.4	77.6	W	81.0
February	82.9	82.7	77.9	71.0	72.1	74.5	92.6	92.4	83.1	75.0	W	80.8
March	82.2	82.0	78.5	69.7	72.7	74.4	91.9	91.7	83.7	73.8	W	80.9
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	82.9	82.5	78.3	68.4	63.4	72.3	92.5	92.2	83.8	72.6	NA	80.5
June	81.1	80.7	76.4	64.0	58.1	69.2	91.1	90.7	81.9	68.5	W	78.0
July	79.5	79.2	74.0	64.7	59.3	68.4	89.7	89.2	79.5	69.1	W	76.4
August	85.0	84.8	81.3	74.2	72.2	77.2	94.9	94.7	87.1	78.4	W	84.5
September	88.3	88.0	85.0	71.7	72.6	78.2	98.0	97.9	90.4	75.9	W	86.2
October	86.3	86.0	82.2	67.4	68.1	74.5	96.0	95.7	87.3	71.7	W	82.8
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
1997	**83.0**	**82.8**	**78.7**	**68.1**	**66.8**	**73.0**	**92.8**	**92.5**	**83.9**	**72.4**	**W**	**80.6**
1998												
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	65.2	65.1	59.9	54.6	54.3	57.1	74.9	74.8	65.5	58.8	W	63.6

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
1994	**96.6**	**95.8**	**86.1**	**67.7**	**55.8**	**77.7**	**83.1**	**82.4**	**77.1**	**59.9**	**54.7**	**68.7**
1995	**92.9**	**92.4**	**84.1**	**70.4**	**61.6**	**78.5**	**80.8**	**80.3**	**75.6**	**63.2**	**58.2**	**69.6**
1996												
January	89.9	89.5	80.6	69.3	61.4	76.1	77.5	77.1	72.4	61.9	57.2	67.5
February	90.3	89.8	81.2	69.4	62.1	76.4	78.2	77.7	72.8	62.4	57.8	67.6
March	94.6	94.1	85.5	75.1	69.4	81.3	82.5	82.0	76.9	68.2	66.2	72.9
April	104.8	104.3	95.7	85.9	80.2	91.7	92.7	92.2	87.7	79.2	77.8	83.7
May	111.6	110.9	103.0	86.0	77.4	95.6	100.1	99.6	95.1	79.0	75.2	86.9
June	109.6	108.9	100.4	79.1	68.9	90.6	98.0	97.3	92.6	72.5	68.1	82.6
July	105.6	105.1	96.9	79.8	70.8	89.5	93.5	93.1	89.0	72.9	69.0	81.0
August	101.4	101.0	92.3	78.5	69.1	86.4	89.1	88.8	83.9	71.1	65.7	77.2
September	99.2	98.8	89.8	79.3	70.3	85.0	86.3	86.0	81.0	71.7	67.2	76.2
October	98.7	98.3	88.9	80.6	71.4	85.2	85.2	84.8	79.2	72.7	67.3	75.8
November	98.8	98.3	88.6	82.6	70.8	85.7	85.0	84.6	78.3	74.0	66.0	75.5
December	99.2	98.8	89.1	82.9	75.0	86.1	85.0	84.6	79.2	74.2	70.1	76.3
1996	**100.2**	**99.8**	**91.0**	**79.1**	**70.9**	**85.9**	**88.2**	**87.8**	**82.8**	**72.0**	**68.2**	**77.4**
1997												
January	100.9	100.5	90.8	83.6	77.9	87.9	87.1	86.8	81.1	75.9	73.8	78.5
February	101.0	100.7	91.1	80.2	73.5	87.2	87.6	87.3	81.9	72.9	72.3	77.9
March	100.0	99.7	91.1	78.7	71.6	86.1	86.8	86.6	82.4	71.7	72.6	77.7
April	100.0	100.1	91.9	77.2	69.5	86.0	87.5	87.5	84.0	70.1	69.1	77.8
May	99.5	99.3	90.3	78.1	70.2	85.1	87.4	87.2	82.2	70.6	64.4	76.1
June	98.6	97.9	88.9	74.0	65.0	82.5	86.0	85.6	80.5	66.3	59.4	73.2
July	97.6	96.9	86.8	75.0	64.3	81.6	84.4	84.1	78.1	67.0	60.1	72.3
August	103.0	102.8	94.3	84.6	78.3	90.1	89.6	89.5	85.4	76.5	73.0	80.8
September	105.9	106.0	97.1	81.1	75.2	90.7	92.7	92.6	88.7	73.7	73.0	81.7
October	103.2	102.9	93.7	76.3	67.6	85.8	90.6	90.3	85.8	69.4	68.1	77.8
November	100.1	99.9	90.3	72.8	62.4	82.3	87.5	87.2	82.3	66.2	61.0	74.5
December	96.8	96.6	86.5	69.4	60.3	79.0	83.9	83.6	78.2	62.6	59.0	70.6
1997	**100.5**	**100.2**	**91.0**	**77.5**	**68.6**	**85.2**	**87.6**	**87.4**	**82.5**	**70.2**	**67.1**	**76.5**
1998												
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	82.7	72.8	63.3	58.1	68.7	69.9	69.7	63.9	56.6	55.0	60.3

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1994	**0.6**	**0.6**	**2.1**	**1.6**	**0.6**	**4.3**	**0.2**	**0.2**	**0.7**	**0.3**	**W**	**1.0**
1995	**7.8**	**8.1**	**20.7**	**W**	**W**	**43.3**	**3.0**	**3.1**	**7.4**	**3.1**	**–**	**10.5**
1996												
January	7.5	7.8	19.3	15.7	3.8	38.7	2.9	3.0	7.0	2.7	–	9.7
February	7.7	8.0	20.3	16.9	5.9	43.1	3.0	3.0	7.4	3.0	–	10.4
March	8.4	8.7	21.7	17.3	5.6	44.7	3.1	3.2	7.5	3.0	–	10.5
April	9.8	10.2	25.8	20.0	7.9	53.7	3.3	3.3	8.1	3.4	–	11.4
May	11.3	11.7	28.9	22.2	11.1	62.3	3.3	3.3	8.2	3.5	–	11.6
June	11.7	12.1	28.6	23.0	8.9	60.4	3.4	3.5	8.2	3.6	–	11.8
July	11.4	12.0	27.8	22.0	9.1	58.9	3.3	3.4	8.1	3.6	–	11.7
August	11.4	12.0	28.3	22.7	10.1	61.1	3.4	3.5	8.2	3.6	W	11.9
September	11.6	12.1	27.6	21.2	8.7	57.5	3.4	3.5	8.0	3.3	W	11.4
October	12.2	12.7	28.3	21.3	6.9	56.5	3.5	3.6	8.2	3.3	W	11.6
November	12.1	12.6	28.2	21.6	8.4	58.3	3.5	3.6	8.3	3.3	W	11.6
December	12.6	13.1	27.9	22.0	9.6	59.5	3.6	3.7	8.2	3.3	W	11.6
1996	**10.7**	**11.1**	**26.1**	**20.5**	**8.0**	**54.6**	**3.3**	**3.4**	**7.9**	**3.3**	**W**	**11.3**
1997												
January	11.4	11.9	27.1	20.8	8.4	56.3	3.2	3.3	7.7	W	W	10.8
February	12.2	12.7	28.4	21.2	7.7	57.4	3.3	3.5	8.1	W	W	11.2
March	12.5	13.0	28.5	21.8	8.1	58.3	3.4	3.5	8.0	W	W	11.2
April	12.4	12.8	29.0	21.1	7.0	57.1	3.4	3.5	7.9	W	W	11.0
May	12.1	12.5	27.3	22.1	8.5	57.9	3.3	3.4	7.9	3.2	0.0	11.1
June	12.2	12.6	27.5	22.1	7.4	56.9	3.4	3.5	7.9	W	W	11.2
July	13.8	14.2	27.4	22.9	7.3	57.6	3.7	3.8	8.0	W	W	11.4
August	14.8	15.1	28.1	23.5	8.9	60.4	3.9	4.0	8.0	W	W	11.5
September	14.8	15.2	27.7	22.3	7.7	57.7	3.7	3.8	7.7	W	W	10.8
October	14.9	15.3	28.0	22.7	9.2	59.9	3.7	3.9	7.7	W	W	10.9
November	14.3	14.6	28.7	21.8	6.8	57.2	3.6	3.7	7.7	W	W	10.7
December	15.6	15.9	29.0	22.6	8.7	60.2	4.0	4.0	7.7	W	W	10.9
1997	**13.4**	**13.8**	**28.1**	**22.1**	**8.0**	**58.1**	**3.6**	**3.7**	**7.9**	**3.2**	**W**	**11.0**
1998												
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	9.0	61.5	3.7	3.7	7.5	W	W	10.5

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
1994	**0.2**	**0.2**	**1.2**	**0.5**	**0.2**	**1.9**	**1.0**	**1.0**	**4.0**	**2.4**	**0.8**	**7.2**
1995	**3.1**	**3.2**	**12.0**	**W**	**W**	**18.9**	**14.0**	**14.4**	**40.1**	**25.9**	**6.6**	**72.6**
1996												
January	3.0	3.1	11.2	5.1	1.1	17.4	13.5	13.8	37.5	23.5	4.8	65.8
February	3.1	3.1	11.8	5.4	1.3	18.6	13.8	14.1	39.5	25.4	7.2	72.1
March	3.1	3.1	11.8	5.4	1.2	18.4	14.6	15.0	41.0	25.7	6.9	73.5
April	3.0	3.1	12.1	5.4	1.5	19.1	16.1	16.6	46.0	28.8	9.5	84.2
May	2.8	2.9	11.0	5.1	1.7	17.9	17.4	17.9	48.1	30.8	12.8	91.8
June	3.0	3.1	11.6	5.5	2.3	19.3	18.1	18.6	48.4	32.0	11.2	91.5
July	3.1	3.2	11.5	5.6	1.6	18.7	17.8	18.6	47.4	31.2	10.7	89.3
August	3.2	3.3	12.0	5.7	1.5	19.2	18.0	18.8	48.6	32.1	11.6	92.3
September	3.2	3.3	11.9	5.2	1.9	19.0	18.2	18.9	47.5	29.7	10.6	87.8
October	3.2	3.3	12.0	5.3	1.4	18.7	18.8	19.6	48.5	30.0	8.3	86.8
November	3.2	3.3	12.0	5.2	1.3	18.5	18.8	19.5	48.5	30.1	9.8	88.4
December	3.2	3.3	11.6	5.2	1.6	18.4	19.4	20.2	47.6	30.5	11.3	89.4
1996	**3.1**	**3.2**	**11.7**	**5.3**	**1.5**	**18.6**	**17.0**	**17.6**	**45.7**	**29.2**	**9.6**	**84.5**
1997												
January	2.9	3.0	11.0	W	W	16.8	17.5	18.2	45.9	28.6	9.5	83.9
February	3.0	3.1	11.5	W	W	17.1	18.6	19.3	48.0	29.2	8.5	85.6
March	3.1	3.3	11.6	W	W	18.2	19.1	19.8	48.1	30.0	9.6	87.7
April	3.2	3.4	11.7	W	W	18.2	19.0	19.8	48.6	29.3	8.4	86.3
May	3.2	3.4	11.5	5.6	1.5	18.6	18.6	19.4	46.7	30.9	10.0	87.6
June	3.4	3.6	11.8	W	W	19.0	18.9	19.7	47.2	30.9	9.0	87.0
July	3.7	3.9	11.8	W	W	19.0	21.2	21.9	47.2	32.1	8.6	88.0
August	3.6	3.8	11.4	W	W	18.5	22.3	22.9	47.5	32.5	10.3	90.4
September	3.4	3.7	10.7	W	W	17.1	22.0	22.7	46.1	30.6	8.9	85.6
October	3.5	3.6	11.1	W	W	18.4	22.2	22.7	46.8	31.2	11.2	89.2
November	3.5	3.5	11.6	W	W	18.9	21.5	21.8	47.9	29.9	9.0	86.8
December	3.8	3.8	11.8	W	W	19.2	23.4	23.7	48.5	31.1	10.6	90.3
1997	**3.4**	**3.5**	**11.5**	**5.3**	**1.5**	**18.3**	**20.4**	**21.0**	**47.4**	**30.5**	**9.5**	**87.4**
1998												
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	49.5	31.5	10.9	91.8

Dash (–) = No data reported.
W = Withheld to avoid disclosure of individual company data.
[a] 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	
1994	**87.2**	**76.5**	**65.2**	**73.6**	**31.1**	**63.4**	**77.6**	**33.6**
1995	**86.5**	**77.7**	**64.6**	**74.7**	**32.4**	**66.2**	**76.6**	**35.4**
1996								
January	92.8	82.5	68.1	NA	34.5	71.8	86.3	42.3
February	96.1	84.9	70.3	81.9	38.3	75.2	88.5	45.1
March	96.3	86.1	70.1	68.7	36.5	75.5	87.7	42.3
April	96.0	84.3	68.3	67.1	36.2	75.5	84.8	38.9
May	95.0	83.3	66.8	65.5	35.7	76.8	79.9	37.5
June	94.5	82.8	67.9	65.7	35.3	76.3	78.6	37.3
July	89.3	82.9	66.2	65.5	35.4	71.1	76.6	38.0
August	86.5	80.6	66.1	66.0	36.9	67.5	75.6	39.6
September	90.7	85.0	71.4	69.7	43.8	69.5	78.4	45.8
October	97.4	91.0	75.6	78.3	46.1	70.0	84.0	51.5
November	105.7	96.6	81.8	83.7	54.2	82.5	95.9	58.3
December	121.3	110.0	92.3	95.0	58.4	97.3	112.5	68.4
1996	**99.1**	**88.4**	**73.3**	**75.7**	**41.3**	**76.4**	**88.6**	**47.1**
1997								
January	118.1	106.3	90.2	88.8	52.9	93.9	110.2	61.2
February	107.4	97.2	79.5	77.8	42.1	82.9	98.1	46.2
March	102.2	87.7	79.6	74.7	41.0	79.6	90.2	42.7
April	98.5	88.3	76.5	71.4	36.2	78.6	84.6	39.1
May	97.2	86.9	73.7	70.0	35.9	80.0	81.0	38.0
June	96.8	87.8	81.2	69.5	35.5	80.5	82.2	37.4
July	91.7	86.8	79.8	68.5	35.3	74.0	79.8	37.0
August	87.4	84.8	79.2	67.1	36.9	71.2	78.4	38.4
September	88.4	84.3	80.9	68.2	37.6	70.0	78.5	40.4
October	91.4	85.1	81.0	69.9	39.5	65.6	79.5	41.9
November	93.3	86.7	80.4	69.2	38.6	68.1	83.2	40.8
December	95.5	87.4	81.2	69.1	35.2	71.4	86.8	38.7
1997	**100.2**	**90.0**	**81.5**	**72.6**	**38.3**	**74.4**	**88.4**	**42.6**
1998								
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	84.2	77.3	64.4	28.9	72.6	80.5	31.3

NA = Not available.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey sytem. 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[a] 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[b]	Other End Users[c]	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							
January	94.6	63.7	67.5	69.9	69.6	75.2	57.3
February	95.9	65.0	68.8	70.7	70.6	75.6	59.1
March	99.1	68.4	73.1	75.1	74.7	78.1	63.2
April	101.5	75.2	80.1	82.6	82.8	82.5	69.9
May	97.8	72.7	79.0	81.2	80.4	79.0	66.1
June	91.0	65.2	72.4	74.5	74.5	71.5	58.6
July	87.9	65.5	72.1	73.2	74.4	71.1	60.1
August	88.1	69.5	75.8	75.8	77.7	74.4	64.9
September	94.5	75.9	82.3	81.7	83.9	81.1	71.3
October	102.6	79.5	85.4	86.4	87.9	86.0	75.0
November	105.4	78.6	84.1	86.7	86.7	87.1	73.2
December	107.5	77.7	82.9	85.5	84.8	87.9	71.8
1996	**98.9**	**71.4**	**77.1**	**78.8**	**79.3**	**79.3**	**66.0**
1997							
January	107.9	76.9	81.7	84.0	83.6	88.2	70.7
February	105.1	74.5	79.5	81.8	82.0	84.8	67.1
March	101.6	69.3	73.0	76.3	76.9	78.6	61.7
April	99.2	67.7	72.1	75.4	77.0	75.8	61.8
May	96.3	66.3	71.0	74.4	76.0	73.3	60.8
June	92.3	63.1	67.8	71.9	73.2	69.8	56.8
July	88.3	62.0	66.6	70.2	71.0	68.0	56.2
August	86.9	64.3	68.6	71.7	73.2	70.0	58.8
September	88.5	63.6	68.5	71.1	73.4	70.0	57.9
October	92.1	67.3	71.2	73.7	76.3	73.6	61.9
November	94.1	67.9	71.0	74.0	75.1	75.4	61.6
December	93.8	64.0	67.0	71.0	70.5	73.8	56.0
1997	**98.4**	**67.4**	**71.2**	**74.3**	**75.5**	**75.3**	**61.1**
1998							
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	87.9	55.7	58.5	61.8	63.6	62.7	48.4

[a] Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.
[b] Includes low-sulfur diesel fuel only.
[c] All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

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 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[a]	Other End Users[b]	Average	
1994	**57.7**	**64.5**	**67.3**	**66.1**	**62.8**	**53.8**
1995	**58.8**	**64.9**	**67.0**	**67.7**	**63.6**	**54.6**
1996						
January	61.7	67.5	69.9	69.4	66.3	57.0
February	63.1	68.9	70.7	70.5	67.4	58.8
March	67.2	73.2	75.1	74.6	71.7	63.0
April	74.9	80.6	82.6	82.9	79.5	70.7
May	72.9	79.7	81.2	81.0	77.6	67.5
June	65.4	73.1	74.5	75.1	70.9	59.9
July	65.7	72.7	73.2	74.9	70.5	60.8
August	69.6	76.2	75.8	78.0	73.8	65.6
September	76.1	82.8	81.7	84.1	80.0	72.3
October	79.4	85.8	86.4	88.2	84.0	75.9
November	78.3	84.5	86.7	87.2	83.1	74.1
December	76.7	83.1	85.5	84.9	81.6	71.8
1996	**71.1**	**77.5**	**78.8**	**79.6**	**75.7**	**66.7**
1997						
January	75.5	81.8	84.0	83.8	80.3	70.7
February	73.6	79.5	81.8	82.2	78.3	68.4
March	68.4	73.2	76.3	77.1	73.1	63.4
April	67.2	72.5	75.4	77.4	72.3	62.8
May	66.0	71.3	74.4	76.3	71.4	61.3
June	62.8	68.1	71.9	73.6	68.6	57.3
July	61.8	67.0	70.2	71.8	67.2	56.6
August	64.3	69.2	71.7	73.8	69.2	59.6
September	63.4	69.3	71.1	73.9	68.6	58.7
October	67.1	71.7	73.7	76.6	71.7	62.6
November	67.3	71.6	74.0	75.7	71.5	62.6
December	62.5	67.5	71.0	70.9	67.3	56.4
1997	**66.6**	**71.5**	**74.3**	**75.9**	**71.4**	**61.6**
1998						
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	59.0	61.8	63.8	59.4	49.2

[a] Includes low-sulfur diesel fuel only.
[b] All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey sytem. 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 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[a]	Average		Commercial/ Institutional Consumers	Industrial Consumers	Other End Users[a]	Average	
1994	**59.1**	**66.0**	**67.3**	**67.4**	**64.2**	**54.2**	**55.3**	**62.9**	**64.6**	**59.8**	**51.9**
1995	**59.8**	**66.3**	**67.0**	**68.4**	**64.5**	**55.1**	**56.8**	**63.6**	**66.7**	**61.4**	**52.4**
1996											
January	62.7	68.1	69.9	69.7	67.1	57.5	59.9	66.9	68.8	64.1	55.1
February	64.2	70.1	70.7	71.2	68.3	59.3	61.1	67.8	69.6	65.2	56.9
March	68.7	74.6	75.1	75.3	72.7	63.6	64.2	71.6	73.6	68.7	59.9
April	76.7	82.7	82.6	84.5	80.8	71.8	71.4	78.1	80.8	75.9	65.8
May	74.4	82.6	81.2	83.4	79.1	68.4	70.4	76.6	78.3	74.2	63.2
June	66.5	75.7	74.5	76.7	72.0	60.4	63.5	70.5	73.3	68.2	57.7
July	67.0	74.4	73.2	75.8	71.4	61.4	63.4	71.0	73.9	68.2	58.3
August	71.1	78.0	75.8	79.6	74.8	66.1	67.0	74.3	76.2	71.2	63.1
September	77.0	84.5	81.7	85.1	80.7	72.5	74.3	80.9	82.7	78.3	70.9
October	81.0	87.0	86.4	89.1	84.9	76.3	76.6	84.6	86.9	81.6	74.0
November	79.4	85.4	86.7	87.6	84.0	74.6	76.3	83.5	86.8	81.0	71.9
December	77.8	84.0	85.5	84.9	82.4	72.2	74.8	82.2	84.9	79.3	70.3
1996	**72.3**	**79.1**	**78.8**	**80.6**	**76.7**	**67.3**	**68.7**	**75.9**	**78.4**	**73.2**	**63.9**
1997											
January	76.6	82.9	84.0	84.0	81.2	71.1	73.5	80.8	83.5	78.0	69.4
February	74.8	81.7	81.8	82.5	79.3	68.9	71.3	77.5	81.7	75.4	66.4
March	69.1	74.8	76.3	77.2	73.8	64.0	66.8	71.7	77.1	70.7	60.8
April	67.8	74.1	75.4	77.4	72.9	63.2	65.6	71.0	77.4	70.6	60.5
May	66.4	72.0	74.4	76.4	71.9	61.8	64.9	70.5	76.2	69.8	59.1
June	63.1	68.6	71.9	73.9	69.1	57.6	62.2	67.7	73.1	66.8	56.1
July	61.8	67.5	70.2	71.9	67.6	56.9	61.8	66.6	71.5	66.0	55.2
August	64.5	69.9	71.7	74.4	69.7	59.9	63.9	68.4	72.8	67.6	58.0
September	63.6	70.4	71.1	74.3	69.0	58.8	63.1	68.1	73.3	67.3	57.9
October	67.3	72.4	73.7	76.9	71.9	62.9	66.7	71.0	76.2	70.9	61.0
November	67.5	72.2	74.0	76.3	71.9	63.0	67.0	71.1	75.0	70.2	59.9
December	62.9	67.3	71.0	71.5	67.9	56.7	61.5	67.8	70.1	65.2	54.8
1997	**67.0**	**72.2**	**74.3**	**76.2**	**71.9**	**61.9**	**65.8**	**70.8**	**75.4**	**69.8**	**60.2**
1998											
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	55.0	58.9	61.8	63.9	59.6	49.7	54.7	59.2	63.6	58.4	46.8

[a] All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey sytem. 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 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										
January	94.6	96.1	94.5	93.0	92.0	89.1	94.9	92.6	94.7	111.7
February	95.9	97.5	96.2	93.2	93.8	90.8	95.6	93.7	94.4	112.9
March	99.1	100.6	99.6	96.7	99.3	93.8	99.7	97.3	96.1	117.7
April	101.5	102.7	102.1	98.7	101.5	96.5	98.8	100.3	100.7	115.9
May	97.8	98.1	96.8	95.4	95.9	93.6	94.9	98.8	98.0	109.7
June	91.0	91.3	88.8	90.1	87.9	87.2	88.7	92.2	91.9	102.5
July	87.9	88.0	84.9	87.5	87.5	83.6	87.7	88.5	91.0	97.3
August	88.1	88.2	84.0	89.5	89.0	85.1	88.3	89.0	91.0	99.2
September	94.5	94.4	92.5	96.4	93.1	91.9	96.6	94.4	95.3	106.2
October	102.6	103.5	103.0	101.1	103.0	99.1	104.0	100.7	103.1	120.9
November	105.4	106.1	105.0	103.4	103.7	99.7	104.5	101.9	105.9	125.7
December	107.5	108.5	108.1	105.1	105.9	101.6	106.4	103.6	106.7	129.2
1996	**98.9**	**100.0**	**98.6**	**97.2**	**97.6**	**94.0**	**98.6**	**96.9**	**98.4**	**117.8**
1997										
January	107.9	109.0	108.7	105.2	106.4	102.2	106.9	104.4	106.5	130.9
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	100.6	103.1	99.4	122.1
April	99.2	100.2	97.6	90.9	95.9	95.2	99.6	100.4	99.1	W
May	96.3	97.1	93.4	90.6	93.0	91.9	97.3	97.7	95.0	108.6
June	92.3	93.0	89.9	88.0	89.1	89.1	94.1	92.9	89.8	99.9
July	88.3	88.8	83.7	86.7	87.5	85.6	91.8	91.1	87.3	99.9
August	86.9	86.7	84.5	85.7	84.7	85.3	91.0	92.7	87.8	W
September	88.5	88.7	85.5	87.1	87.0	86.3	91.2	91.7	87.8	96.6
October	92.1	92.5	89.0	90.2	89.4	88.2	94.6	93.1	88.1	W
November	94.1	94.6	91.4	92.3	90.7	88.6	95.4	94.7	92.0	W
December	93.8	94.5	91.7	91.0	89.7	88.5	94.6	94.1	94.3	W
1997	**98.4**	**99.2**	**96.3**	**94.3**	**96.0**	**94.2**	**99.0**	**98.7**	**98.0**	**117.6**
1998										
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	87.9	88.9	86.2	82.2	83.9	82.3	89.1	89.6	88.5	100.3

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										
January	103.9	97.8	102.9	92.3	91.3	90.7	84.4	84.4	85.6	89.6
February	104.1	100.5	104.1	93.1	92.8	93.8	85.7	85.8	86.4	91.2
March	106.4	103.5	106.6	95.9	93.6	95.8	89.4	88.7	90.7	97.0
April	105.8	105.4	109.0	97.1	95.4	97.0	93.4	90.4	93.5	101.0
May	104.4	98.2	105.2	92.9	91.7	91.4	92.6	89.9	93.0	99.6
June	97.3	91.8	101.4	83.9	88.2	89.9	86.3	80.6	86.2	94.6
July	93.7	89.7	97.2	79.4	88.5	88.6	85.9	78.9	85.6	92.2
August	93.7	90.6	93.4	82.0	89.1	88.9	86.0	83.0	87.4	92.5
September	99.3	97.3	99.1	88.9	92.6	94.9	92.2	87.1	92.8	98.6
October	108.1	105.7	107.9	99.4	98.6	101.1	96.8	92.4	96.6	102.6
November	111.8	108.8	111.6	102.2	102.2	104.6	100.7	96.8	102.4	106.4
December	114.9	111.1	114.4	104.0	104.3	104.3	100.5	98.1	100.8	106.4
1996	**106.3**	**102.4**	**106.3**	**95.3**	**95.2**	**96.0**	**91.3**	**89.3**	**91.2**	**97.7**
1997										
January	117.0	111.3	114.7	104.2	105.5	103.8	99.7	98.8	100.9	105.6
February	115.0	108.4	112.0	102.2	102.6	101.2	97.6	93.3	97.0	104.4
March	108.1	104.6	111.5	97.7	100.4	98.1	93.3	90.2	94.6	NA
April	105.6	102.5	109.7	95.0	96.7	95.7	90.6	83.4	NA	91.7
May	101.9	99.9	107.9	92.4	89.9	92.9	90.1	79.9	88.4	90.7
June	98.0	96.9	103.9	87.8	87.8	90.6	87.3	79.7	84.0	88.3
July	96.1	90.5	100.0	82.1	85.9	87.4	83.1	78.4	79.7	84.9
August	93.8	89.6	92.9	80.7	85.2	85.0	84.4	81.2	83.6	87.4
September	94.5	90.7	94.5	82.8	85.2	87.5	84.7	77.4	80.2	88.3
October	97.8	94.8	100.6	85.9	90.3	88.3	87.2	82.6	84.0	88.9
November	100.3	97.2	101.6	89.5	91.8	92.2	88.4	81.6	85.0	93.6
December	100.9	97.8	101.7	89.9	92.6	93.6	85.8	82.1	81.8	88.8
1997	**105.8**	**102.9**	**106.6**	**94.9**	**94.8**	**96.2**	**90.9**	**86.3**	**86.4**	**94.2**
1998										
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	91.4	97.1	84.0	88.1	87.4	79.1	78.2	77.4	81.8

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

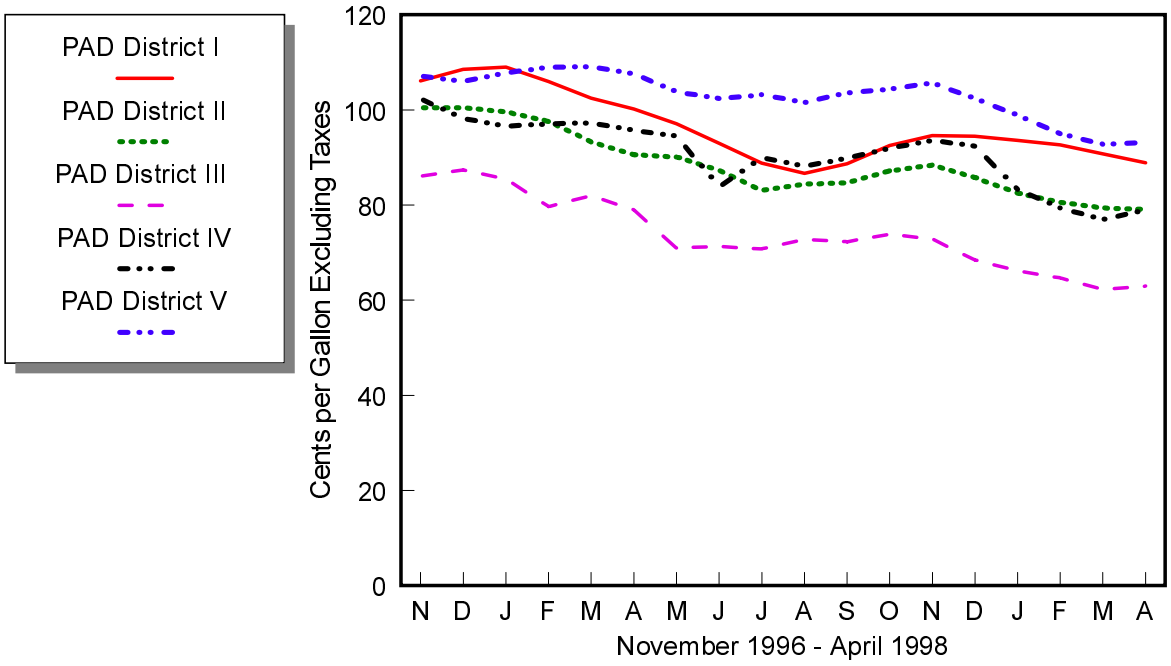
Year Month	PAD District II (Continued)			PAD District III	PAD District IV		PAD District V			
	MN	OH	WI	Average	Average	ID	Average	AK	OR	WA
1978	**47.8**	**47.4**	**44.7**	**–**	**–**	**43.6**	**–**	**53.2**	**45.8**	**48.6**
1979	**72.4**	**68.6**	**67.3**	**–**	**–**	**62.1**	**–**	**68.2**	**68.0**	**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										
January	82.7	85.5	83.3	70.9	88.0	87.2	92.5	84.0	90.1	99.7
February	83.7	87.7	83.9	72.4	88.0	86.8	92.5	83.3	90.9	99.6
March	86.7	91.6	87.1	75.5	87.8	86.6	93.1	84.5	90.0	101.1
April	91.4	95.3	91.5	82.2	96.4	95.7	101.3	90.0	101.0	109.7
May	92.0	91.3	92.2	76.5	99.7	97.1	107.9	97.9	108.6	116.7
June	85.5	86.8	88.4	70.3	86.9	91.0	103.4	96.2	NA	112.8
July	84.3	86.5	88.6	68.2	86.9	92.3	96.2	92.7	96.4	103.8
August	86.2	82.2	87.8	75.7	88.8	98.4	94.3	92.3	94.3	99.8
September	91.8	92.8	91.1	84.0	98.8	101.3	105.5	95.7	109.1	115.8
October	97.8	98.2	95.6	87.1	97.9	97.8	106.8	96.7	108.6	116.4
November	102.4	100.8	98.7	NA	102.4	98.1	107.4	96.9	107.5	115.3
December	100.4	101.5	98.9	87.4	98.3	95.4	106.7	96.4	105.1	114.9
1996	**90.9**	**92.1**	**89.9**	**77.5**	**94.2**	**93.3**	**99.9**	**90.9**	**98.9**	**108.0**
1997										
January	99.2	100.7	98.3	85.5	96.6	94.9	108.5	97.1	105.8	117.6
February	96.9	98.4	96.8	79.7	97.1	94.5	109.0	97.5	106.7	118.8
March	91.7	92.6	96.7	82.0	97.3	100.6	109.1	98.7	107.5	116.6
April	89.7	92.4	92.9	79.0	95.7	98.3	107.6	97.5	106.1	114.9
May	89.1	90.1	93.4	71.0	94.5	98.4	103.8	96.4	104.6	109.1
June	87.4	86.8	90.8	71.3	83.8	92.3	102.4	96.0	100.2	112.2
July	84.8	83.1	86.7	70.8	90.0	90.3	103.2	97.5	96.9	NA
August	86.0	81.7	86.5	72.8	88.2	90.5	101.6	96.4	99.2	108.8
September	84.9	84.3	88.0	72.3	89.9	91.2	103.6	96.6	101.5	110.9
October	87.1	88.2	89.6	73.9	92.0	93.6	104.4	97.7	102.0	111.9
November	87.0	89.3	89.7	72.9	93.6	94.3	105.7	98.0	102.6	112.8
December	84.9	85.8	88.6	68.5	92.4	93.4	102.4	96.3	98.5	109.0
1997	**90.2**	**91.3**	**93.3**	**75.5**	**93.7**	**95.3**	**106.0**	**97.2**	**103.2**	**114.0**
1998										
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	77.7	78.6	81.3	63.0	79.0	79.5	93.1	86.7	87.0	100.1

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," January 1983 forward; Form EIA-9A, "No. 2 Distillate Price Monitoring Report," source for backcast estimates prior to January 1983.

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

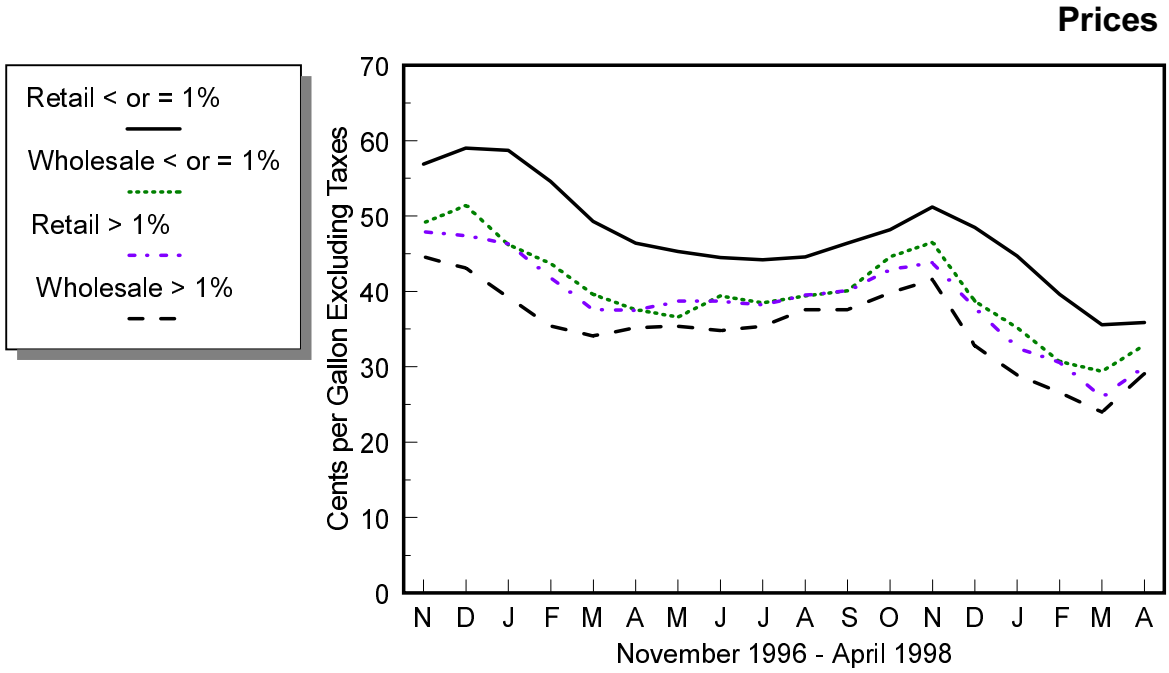
(Cents per Gallon Excluding Taxes)

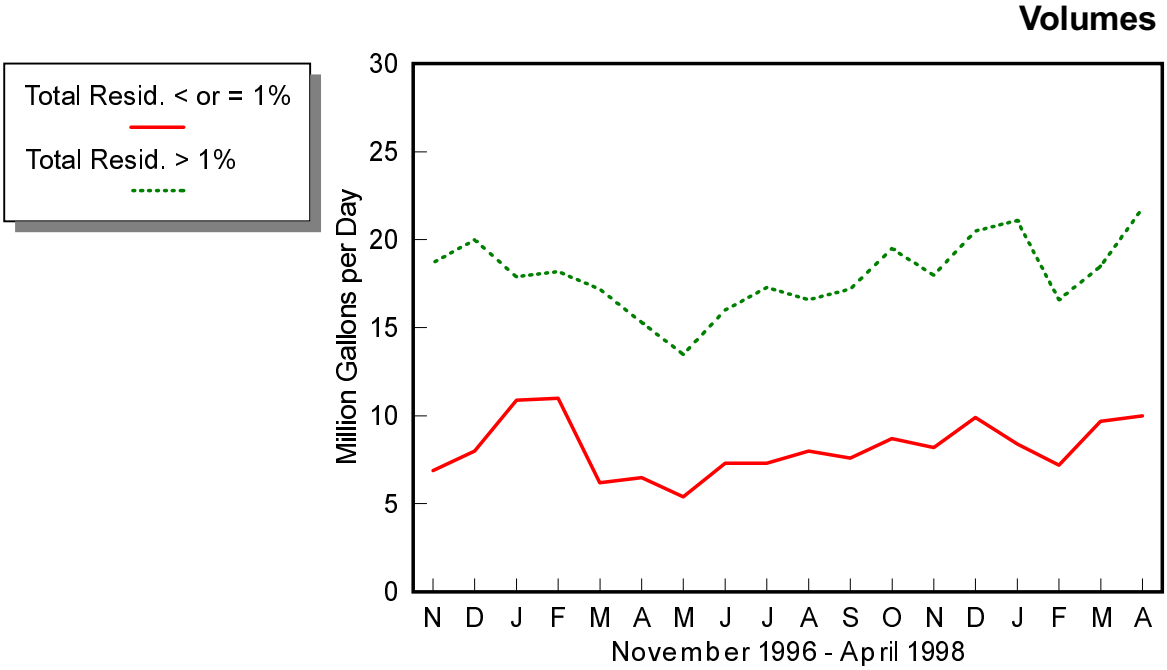
Year Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
1978	**31.4**	**29.3**	**27.5**	**24.5**	**29.8**	**26.3**
1979	**46.8**	**45.0**	**38.9**	**36.6**	**43.6**	**39.9**
1980	**67.5**	**60.8**	**52.3**	**47.9**	**60.7**	**52.8**
1981	**82.9**	**74.8**	**67.3**	**62.2**	**75.6**	**66.3**
1982	**74.7**	**69.5**	**61.1**	**57.2**	**67.6**	**61.2**
1983	**69.5**	**64.3**	**61.1**	**59.1**	**65.1**	**60.9**
1984	**72.0**	**68.5**	**65.9**	**63.9**	**68.7**	**65.4**
1985	**64.4**	**61.0**	**58.2**	**56.0**	**61.0**	**57.7**
1986	**37.2**	**32.8**	**31.7**	**28.9**	**34.3**	**30.5**
1987	**44.7**	**41.2**	**39.6**	**36.2**	**42.3**	**38.5**
1988	**37.2**	**33.3**	**30.0**	**27.1**	**33.4**	**30.0**
1989	**43.6**	**40.7**	**34.4**	**33.1**	**38.5**	**36.0**
1990	**50.5**	**47.2**	**40.0**	**37.2**	**44.4**	**41.3**
1991	**40.2**	**36.4**	**30.6**	**29.2**	**34.0**	**31.4**
1992	**38.9**	**35.1**	**31.2**	**28.6**	**33.6**	**30.8**
1993	**39.7**	**33.7**	**30.3**	**25.6**	**33.7**	**29.3**
1994	**40.1**	**34.5**	**33.0**	**28.7**	**35.2**	**31.7**
1995	**43.6**	**38.3**	**37.7**	**33.8**	**39.2**	**36.3**
1996						
January	54.8	49.9	44.7	38.0	47.9	45.2
February	53.2	42.6	41.7	36.8	44.9	40.1
March	51.9	47.1	42.1	36.0	44.7	42.0
April	51.1	48.3	43.0	39.9	45.1	43.7
May	51.1	45.0	41.4	36.9	43.3	41.0
June	47.3	40.4	38.4	35.0	40.8	37.4
July	48.6	41.4	38.7	37.3	41.0	38.9
August	49.8	41.9	39.5	37.2	42.0	39.0
September	51.2	42.6	43.2	40.3	44.9	41.2
October	54.7	47.8	47.1	43.1	48.5	45.0
November	57.0	49.2	48.0	44.5	49.7	46.3
December	58.6	51.4	47.5	43.0	49.9	46.0
1996	**52.6**	**45.6**	**43.3**	**38.9**	**45.5**	**42.0**
1997						
January	58.7	46.2	46.3	39.2	49.2	42.9
February	54.6	43.7	41.8	35.4	45.0	39.4
March	49.3	39.6	37.6	34.1	40.3	35.8
April	46.4	37.6	37.5	35.2	39.7	36.1
May	45.3	36.6	38.7	35.4	40.3	35.8
June	44.5	39.4	38.7	34.8	40.1	36.7
July	44.2	38.5	38.2	35.4	39.6	36.6
August	44.6	39.4	39.5	37.6	40.7	38.3
September	46.4	40.1	40.1	37.6	41.4	38.7
October	48.2	44.6	42.9	39.8	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
1997	**48.8**	**41.5**	**40.4**	**36.6**	**42.3**	**38.7**
1998						
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	30.1	29.1	31.4	30.6

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
1983	**13.4**	**7.2**	**14.9**	**12.9**	**28.3**	**20.2**
1984	**15.1**	**6.7**	**17.8**	**14.6**	**32.9**	**21.3**
1985	**11.4**	**7.0**	**13.8**	**12.9**	**25.2**	**19.9**
1986	**15.2**	**7.9**	**16.4**	**10.7**	**31.6**	**18.6**
1987	**15.1**	**7.8**	**13.9**	**9.1**	**29.0**	**16.9**
1988	**14.2**	**8.7**	**15.9**	**10.3**	**30.2**	**18.9**
1989	**13.4**	**7.9**	**17.0**	**13.1**	**30.4**	**21.0**
1990	**11.1**	**7.4**	**14.9**	**10.5**	**25.9**	**17.9**
1991	**8.6**	**5.6**	**15.5**	**12.2**	**24.0**	**17.8**
1992	**7.1**	**5.2**	**15.3**	**10.0**	**22.4**	**15.2**
1993	**6.2**	**5.7**	**11.1**	**6.9**	**17.2**	**12.6**
1994	**4.2**	**6.6**	**9.3**	**6.2**	**13.5**	**12.8**
1995	**2.9**	**7.7**	**8.7**	**5.9**	**11.6**	**13.6**
1996						
January	4.6	10.0	9.8	6.7	14.4	16.7
February	4.2	8.6	10.9	6.4	15.0	15.0
March	3.3	9.0	9.4	7.7	12.7	16.7
April	3.0	6.1	8.8	7.4	11.8	13.5
May	2.0	6.5	8.7	6.2	10.7	12.7
June	3.0	6.4	8.3	7.8	11.3	14.1
July	2.7	5.5	9.0	8.6	11.7	14.1
August	3.0	6.1	9.3	9.5	12.3	15.6
September	2.3	4.3	8.7	7.5	10.9	11.8
October	2.4	4.5	11.1	6.6	13.5	11.2
November	2.8	4.3	11.6	7.0	14.3	11.3
December	3.5	4.4	12.2	8.0	15.7	12.3
1996	**3.1**	**6.3**	**9.8**	**7.4**	**12.9**	**13.8**
1997						
January	3.6	7.3	11.4	6.5	15.0	13.8
February	3.8	6.5	11.3	6.9	15.1	13.5
March	3.2	3.0	10.7	6.5	13.8	9.5
April	2.8	3.7	8.5	6.8	11.3	10.5
May	2.7	2.7	8.2	5.3	10.9	8.0
June	3.0	4.3	9.4	6.6	12.4	10.9
July	3.2	4.1	10.4	6.9	13.7	11.1
August	2.9	5.1	9.4	7.2	12.3	12.3
September	2.6	5.0	10.3	6.9	12.9	11.8
October	2.9	5.8	12.5	7.0	15.4	12.7
November	3.6	4.6	10.8	7.2	14.4	11.8
December	3.9	6.0	13.6	6.9	17.5	12.9
1997	**3.2**	**4.8**	**10.6**	**6.7**	**13.7**	**11.6**
1998						
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	11.9	9.9	15.4	16.4

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													
January	15.43	16.44	17.83	17.72	17.63	17.02	17.05	17.49	17.26	17.03	16.78	17.19	15.91
February	15.54	16.43	17.70	17.73	17.91	16.91	17.04	17.64	17.38	17.01	17.06	17.04	15.79
March	17.63	18.68	19.77	19.39	19.86	18.23	19.41	19.99	19.74	19.48	19.34	19.56	18.04
April	19.58	20.62	21.80	21.57	21.73	20.38	21.51	21.98	21.78	21.64	21.39	21.63	20.25
May	17.94	18.56	20.17	20.24	20.44	19.52	19.46	19.92	19.70	19.52	19.25	19.44	18.94
June	16.94	17.77	19.50	19.58	19.83	18.85	18.70	19.27	19.00	18.90	18.65	18.86	18.27
July	17.63	18.50	19.97	19.81	20.05	18.69	19.55	19.98	19.76	19.77	19.43	19.62	19.06
August	18.29	19.17	20.44	20.49	20.57	18.99	20.32	20.71	20.47	20.42	20.12	20.39	19.72
September	19.93	21.03	22.48	22.53	22.63	21.17	22.19	22.64	22.39	22.38	22.01	21.98	21.99
October	21.09	22.20	23.20	23.71	23.85	22.18	23.22	23.71	23.46	23.48	23.03	23.15	22.78
November	20.20	21.11	23.12	22.38	W	20.92	21.95	22.92	23.17	22.15	22.47	21.93	21.38
December	21.34	22.41	23.16	23.60	23.76	22.05	23.33	23.81	23.55	23.56	23.06	23.28	22.79
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**
1997													
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	20.55	21.11	20.81	20.61	19.62	21.01	19.88
March	17.85	18.35	20.14	19.70	19.68	18.39	19.08	19.59	19.15	19.16	18.30	19.13	18.50
April	16.64	17.21	18.95	18.35	18.04	17.35	18.00	18.51	18.11	18.09	17.36	17.79	17.40
May	17.24	18.04	18.82	18.56	18.64	17.99	18.95	19.50	19.12	18.93	18.30	18.98	18.37
June	15.90	16.50	17.96	16.93	16.98	16.25	17.17	17.88	17.59	17.09	16.51	17.12	16.55
July	15.91	16.70	17.88	17.14	17.05	16.49	17.54	18.19	17.90	17.46	16.90	17.51	16.94
August	16.21	17.07	18.09	17.24	17.09	16.52	17.71	18.38	18.00	17.63	17.09	17.56	17.11
September	16.44	17.08	17.80	16.97	16.71	16.22	17.58	18.24	17.80	17.54	17.07	17.58	17.74
October	17.68	18.56	19.11	W	18.34	17.45	19.16	19.68	19.29	19.11	18.44	19.15	18.52
November	16.84	17.48	18.59	W	W	W	18.03	18.60	18.21	17.89	17.30	18.31	17.29
December	15.06	15.70	16.99	16.85	17.13	15.12	16.32	16.96	16.53	16.14	15.66	17.26	15.47
1997	**17.24**	**17.92**	**19.25**	**18.49**	**18.79**	**17.56**	**18.60**	**19.11**	**18.73**	**18.63**	**17.97**	**18.75**	**18.10**
1998													
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

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							
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	Federal Offshore Gulf
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												
January	16.23	17.30	17.32	16.48	17.20	17.34	15.50	18.09	15.65	17.38	17.07	17.22
February	16.13	17.30	17.34	16.33	17.07	17.18	15.49	17.95	15.74	17.30	16.98	16.98
March	18.50	18.60	19.74	18.68	19.34	18.79	17.82	19.97	17.94	19.78	19.38	19.08
April	20.46	20.76	21.90	20.92	21.32	20.78	19.89	21.65	20.13	21.94	21.51	20.78
May	18.50	19.87	19.74	18.76	19.35	19.81	18.01	19.57	17.94	20.16	19.43	18.98
June	17.82	19.11	18.84	18.06	18.58	18.71	17.13	18.98	17.11	19.29	18.73	18.07
July	18.68	18.77	19.82	18.93	19.39	19.51	17.93	19.88	18.12	20.15	19.55	18.82
August	19.37	19.34	20.73	19.57	20.18	20.42	18.73	20.81	18.91	20.76	20.26	19.74
September	21.28	21.52	22.54	21.44	22.10	22.13	20.87	22.66	20.86	22.62	22.22	21.64
October	22.38	22.60	23.46	22.56	23.33	23.49	21.98	23.94	21.92	23.82	23.31	23.11
November	20.99	21.33	22.16	21.17	22.14	22.30	20.67	22.81	20.65	22.53	21.97	22.24
December	22.32	22.35	23.68	22.61	23.41	22.96	21.93	24.09	21.98	23.74	23.32	23.38
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**
1997												
January	22.29	22.59	23.82	22.78	23.58	23.05	22.36	24.30	22.03	23.97	23.48	23.56
February	19.49	19.92	20.94	19.72	20.71	20.70	19.36	21.40	19.15	21.01	20.49	20.90
March	18.15	18.64	19.43	18.31	19.03	18.83	18.02	19.52	17.51	19.47	18.99	18.96
April	17.18	17.51	18.37	17.30	17.83	17.53	17.04	18.38	16.43	18.39	17.86	17.53
May	18.13	18.18	19.35	18.17	18.85	18.76	17.93	19.35	17.37	19.26	18.96	18.45
June	16.30	16.49	17.59	16.48	17.23	17.19	16.19	17.66	15.53	17.58	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	17.84	17.56	16.70	18.27	16.05	18.13	17.86	17.76
September	16.71	16.33	18.06	W	17.80	17.63	16.62	18.27	15.92	18.01	17.79	17.77
October	18.30	17.81	19.68	W	19.25	19.05	18.11	19.88	17.51	19.51	19.24	19.10
November	17.16	16.90	18.53	W	18.28	18.17	17.05	18.75	16.32	18.50	18.19	18.40
December	15.34	15.36	16.78	15.87	16.44	16.42	15.24	17.00	14.64	16.57	16.33	16.56
1997	**17.63**	**17.77**	**19.05**	**17.80**	**18.68**	**18.58**	**17.58**	**19.22**	**16.94**	**19.01**	**18.64**	**18.63**
1998												
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

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										
January	16.73	17.26	15.73	18.37	16.38	12.93	12.13	15.67	14.55	11.23
February	16.66	17.28	15.68	18.29	16.28	13.40	12.76	15.43	14.87	11.63
March	19.01	19.58	18.03	20.65	18.62	15.18	14.23	17.40	17.11	13.58
April	20.86	21.72	20.13	22.79	20.29	16.93	16.08	19.69	18.71	15.13
May	19.12	19.60	17.92	20.69	18.85	15.73	15.82	17.58	15.96	13.17
June	18.38	18.84	17.20	19.81	18.15	14.49	14.24	17.19	15.23	12.40
July	19.23	19.87	18.15	20.49	18.98	14.85	14.62	17.96	15.53	12.67
August	19.82	20.49	18.77	20.99	19.59	15.34	15.29	18.20	15.71	13.06
September	21.69	22.35	20.63	22.70	21.48	16.59	16.30	20.07	17.31	14.58
October	22.82	23.40	21.87	23.74	22.63	17.79	17.45	21.19	18.50	16.25
November	21.39	22.28	20.51	21.94	21.19	17.42	17.27	19.99	17.93	15.47
December	22.66	23.70	21.88	23.06	22.42	18.33	17.82	21.67	19.36	17.09
1996	**19.85**	**20.47**	**18.89**	**21.10**	**19.56**	**15.73**	**15.32**	**18.43**	**16.72**	**13.82**
1997										
January	22.80	23.72	21.85	23.49	22.56	19.18	18.82	22.76	20.04	17.40
February	19.73	20.80	18.59	20.57	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	14.81	14.68	17.14	15.48	12.34
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	13.83	13.69	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	14.12	15.74	15.28	12.57
October	18.34	19.74	17.64	19.22	17.89	15.24	14.53	17.20	16.60	14.19
November	17.05	18.38	16.39	18.26	16.51	14.71	14.53	16.62	15.30	12.70
December	15.42	16.72	15.37	16.44	14.71	13.01	12.80	W	13.66	11.19
1997	**17.79**	**19.03**	**17.00**	**18.56**	**17.41**	**15.06**	**14.84**	**17.43**	**15.78**	**12.97**
1998										
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	12.33	13.66	12.40	13.47	11.54	9.72	10.08	W	9.57	6.85

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
1994	**9.77**	**11.79**	**11.65**	**12.47**	**15.71**	**14.54**	**15.65**	**14.16**	**11.87**
1995	**11.12**	**13.37**	**13.59**	**14.70**	**17.14**	**16.02**	**17.03**	**15.52**	**14.06**
1996									
January	12.13	13.92	14.11	14.90	18.26	16.67	17.68	16.15	15.13
February	12.76	14.33	14.48	15.05	18.06	16.60	17.62	16.09	14.94
March	14.23	16.57	16.75	17.27	20.05	18.95	19.99	18.57	17.30
April	16.08	17.97	18.12	18.80	21.69	20.85	22.21	20.63	19.05
May	15.82	14.88	15.19	15.83	19.58	18.95	20.18	18.61	17.43
June	14.24	14.11	14.41	15.18	18.92	18.27	19.41	17.90	16.74
July	14.62	14.34	14.69	15.70	19.80	19.11	20.23	18.72	17.49
August	15.29	14.38	14.73	16.85	20.76	19.78	20.94	19.44	18.20
September	16.30	15.85	16.23	17.22	22.66	21.67	22.85	21.46	20.08
October	17.45	17.15	17.50	19.19	23.85	22.81	23.97	22.48	21.19
November	17.27	16.72	17.03	17.95	22.83	21.36	22.65	21.19	19.63
December	17.82	18.19	18.49	19.41	24.11	22.71	24.07	22.35	20.83
1996	**15.32**	**15.70**	**15.97**	**17.13**	**20.89**	**19.82**	**20.96**	**19.49**	**18.16**
1997									
January	18.82	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	19.73	17.84	15.92
April	14.68	14.23	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	19.71	18.02	15.58
June	13.69	13.64	13.72	14.94	17.60	16.55	17.85	16.30	13.83
July	12.97	13.36	13.56	13.94	17.96	16.87	18.19	16.77	14.34
August	12.94	14.20	14.59	W	18.23	17.08	18.42	17.06	14.61
September	14.12	14.58	14.71	W	18.26	16.94	18.30	17.07	14.43
October	14.53	15.96	16.09	W	19.88	18.55	19.83	18.55	15.78
November	14.53	14.50	14.36	W	18.78	17.38	18.77	17.28	14.14
December	12.80	12.81	12.96	W	17.03	15.55	16.78	15.49	12.13
1997	**14.84**	**14.88**	**15.02**	**16.44**	**19.22**	**17.96**	**19.27**	**17.77**	**15.39**
1998									
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

W = Withheld to avoid disclosure of individual company data.

Source: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase 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 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
1994	**11.83**	**12.83**	**9.79**	**14.72**	**14.79**	**15.62**
1995	**13.26**	**14.64**	**11.14**	**16.15**	**16.24**	**16.98**
1996						
January	13.80	15.60	12.16	17.04	16.97	17.65
February	14.16	15.49	12.78	16.84	16.94	17.60
March	16.32	17.85	14.25	19.10	19.24	19.92
April	17.84	19.70	16.11	20.89	21.23	22.08
May	15.22	17.88	15.84	18.93	19.47	20.16
June	14.46	17.22	14.26	18.16	18.72	19.37
July	14.77	17.92	14.65	18.97	19.54	20.20
August	14.97	18.54	15.32	19.82	20.12	20.92
September	16.62	20.40	16.34	21.77	22.04	22.81
October	17.90	21.45	17.50	22.96	23.11	23.96
November	17.21	20.14	17.29	21.91	21.86	22.64
December	18.66	21.36	17.86	23.08	23.13	23.99
1996	**16.01**	**18.61**	**15.35**	**19.97**	**20.23**	**20.91**
1997						
January	19.26	21.50	18.85	23.25	23.42	24.07
February	16.63	18.35	17.74	20.36	20.62	21.19
March	15.75	16.90	16.11	18.69	19.23	19.66
April	14.50	15.70	14.70	17.43	18.10	18.63
May	15.41	16.33	14.48	18.35	18.81	19.65
June	14.16	14.71	13.74	16.85	17.13	17.81
July	13.85	15.15	13.00	17.23	17.39	18.14
August	14.86	15.50	12.98	17.54	17.68	18.37
September	15.08	15.36	14.14	17.55	17.58	18.22
October	16.47	16.79	14.56	18.98	19.11	19.74
November	15.08	15.21	14.56	18.00	17.99	18.71
December	13.50	13.60	12.82	16.16	16.29	16.80
1997	**15.44**	**16.27**	**14.86**	**18.36**	**18.62**	**19.25**
1998						
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

Source: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase 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 24. F.O.B.[a] Costs of Imported Crude Oil by Selected Country

(Dollars per Barrel)

Year Month	Selected Countries							Persian Gulf[b]	Total OPEC[c]	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										
January	16.95	17.73	16.52	18.63	W	W	14.12	W	15.86	16.42
February	17.91	18.09	16.59	18.53	W	W	15.22	W	16.89	16.83
March	19.78	20.02	18.39	20.44	18.29	19.42	17.78	18.62	18.77	18.77
April	20.96	22.65	19.63	21.49	W	W	17.99	W	18.75	20.20
May	19.72	20.09	17.93	20.13	W	19.02	16.35	W	17.72	18.83
June	18.60	19.49	17.05	19.25	17.96	W	16.08	17.70	17.21	17.94
July	19.72	19.72	17.85	19.90	18.48	W	16.72	18.31	17.78	18.62
August	20.33	20.79	18.89	21.13	20.16	18.82	17.35	19.98	18.99	19.55
September	22.26	22.79	20.96	22.80	20.60	W	19.66	20.72	20.57	21.44
October	23.05	23.57	22.40	24.71	W	W	20.29	W	21.85	22.59
November	22.38	23.25	20.96	24.43	21.90	22.35	19.62	22.11	21.04	21.48
December	23.22	24.56	21.83	24.39	19.24	W	20.41	19.35	21.01	22.04
1996	**20.71**	**21.33**	**19.14**	**21.27**	**19.28**	**19.43**	**17.73**	**19.22**	**18.94**	**19.65**
1997										
January	23.20	24.14	21.09	24.52	17.37	W	19.35	17.37	20.37	21.93
February	21.35	21.12	18.57	21.53	W	W	16.68	W	17.96	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	17.92	16.84	18.99	15.60	19.03	15.27	15.67	16.27	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	17.72	15.99	19.12	15.24	17.40	14.99	15.33	16.04	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	15.00	17.02
December	16.58	17.18	13.79	17.39	W	W	12.51	W	13.31	14.97
1997	**18.81**	**18.84**	**16.73**	**19.46**	**15.17**	**18.59**	**15.33**	**15.26**	**16.27**	**17.52**
1998										
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	12.57	13.10	9.81	13.57	W	W	9.71	W	10.94	11.23
April	13.14	13.48	11.03	13.86	W	W	10.24	9.59	10.56	11.45

Dash (–) = No data reported.
W = Withheld to avoid disclosure of individual company data.
[a] Free on Board. See Glossary.
[b] Includes Baharain, Iran, Iraq, Kuwait, Neutral Zone, Qatar, Saudi Arabia, and United Arab Emirates.
[c] 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[a]	Total OPEC[b]	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											
January	18.16	16.07	18.55	16.95	19.65	17.98	18.49	15.12	17.86	17.41	17.23
February	18.82	16.33	18.82	17.07	19.47	18.76	19.39	16.02	18.81	18.06	17.58
March	20.85	18.55	20.57	18.95	21.25	19.59	19.25	18.63	19.87	19.81	19.42
April	21.41	21.10	23.37	20.23	22.32	20.55	20.76	19.14	20.48	20.26	21.11
May	20.88	20.16	21.04	18.67	21.17	19.55	21.22	17.42	19.44	19.17	19.97
June	19.62	19.20	20.08	17.75	20.11	18.92	20.40	17.14	18.79	18.64	19.00
July	20.70	19.72	20.62	18.55	20.85	19.77	19.79	17.55	19.58	19.15	19.54
August	21.58	20.44	21.47	19.51	21.95	20.70	20.56	18.22	20.52	20.16	20.44
September	23.40	21.85	23.47	21.59	23.40	21.81	21.69	20.37	21.80	21.66	22.23
October	23.94	22.53	24.42	22.84	25.57	22.91	23.12	20.89	22.77	22.78	23.30
November	23.47	21.33	23.81	21.22	25.19	22.66	24.10	20.40	22.64	22.15	22.31
December	24.48	21.32	25.20	22.06	25.42	21.93	24.23	21.23	22.04	22.22	22.73
1996	**21.86**	**19.94**	**22.02**	**19.64**	**21.95**	**20.49**	**20.88**	**18.59**	**20.45**	**20.14**	**20.47**
1997											
January	24.45	21.79	24.98	21.60	25.52	21.04	24.18	20.43	21.01	21.64	22.89
February	22.54	19.75	21.72	19.11	23.26	18.37	24.33	17.58	18.37	19.20	20.59
March	20.34	18.43	20.39	17.43	20.58	18.04	23.59	16.57	18.13	18.05	18.83
April	18.70	17.22	18.76	16.60	19.27	17.56	18.80	16.05	17.39	17.46	17.57
May	19.59	17.46	18.78	17.59	19.87	17.08	20.04	16.38	17.07	17.57	18.16
June	19.33	16.31	17.74	16.24	19.57	16.93	19.54	15.70	16.85	17.01	17.23
July	18.59	16.61	18.56	16.50	20.02	17.07	18.59	15.96	16.86	17.14	17.40
August	19.14	17.16	18.98	16.85	20.01	18.33	19.33	16.22	18.05	17.80	17.76
September	19.50	16.97	19.36	16.69	20.35	18.01	19.56	16.14	17.84	17.85	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**	**17.62**	**19.70**	**17.30**	**20.66**	**17.54**	**20.64**	**16.34**	**17.45**	**17.73**	**18.46**
1998											
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	14.28	11.57	13.84	10.40	14.71	12.45	14.82	10.67	12.53	12.47	12.37
April	14.33	11.33	14.17	11.69	14.57	12.17	15.15	11.09	12.18	12.15	12.46

Dash (–) = No data reported.
W = Withheld to avoid disclosure of individual company data.
[a] Includes Baharain, Iran, Iraq, Kuwait, Neutral Zone, Qatar, Saudi Arabia, and United Arab Emirates.
[b] 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.

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Table 26. F.O.B.[a] Costs of Imported Crude Oil by API Gravity

(Dollars per Barrel)

Year Month	20.0 or Less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or Greater
1978	**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							
January	13.37	13.78	16.32	17.32	18.36	18.65	W
February	14.23	14.73	17.14	18.38	18.10	19.58	W
March	15.41	16.74	19.23	19.51	20.27	W	21.05
April	15.57	17.62	20.70	19.82	21.59	W	W
May	14.81	16.32	19.02	18.88	19.91	20.09	20.04
June	14.93	15.97	18.12	18.22	19.21	18.91	W
July	15.44	16.41	18.79	18.86	20.09	20.29	W
August	16.18	17.08	19.81	20.11	21.08	20.29	20.89
September	17.99	19.26	21.64	21.73	22.94	W	21.56
October	18.18	20.18	22.92	22.52	24.46	W	23.70
November	17.80	18.94	21.76	22.02	23.59	23.07	W
December	18.07	19.22	22.19	21.93	24.41	24.38	24.99
1996	**16.01**	**17.26**	**19.90**	**20.04**	**21.20**	**21.00**	**21.59**
1997							
January	17.17	18.43	22.68	21.89	24.25	24.48	24.44
February	13.75	16.25	20.20	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	17.32	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	16.86	17.09	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	17.04	19.05	18.14	W
December	9.63	11.99	15.18	15.29	17.14	17.17	W
1997	**13.13**	**14.95**	**17.50**	**17.62**	**19.37**	**20.08**	**19.82**
1998							
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	7.52	8.70	11.93	12.40	13.44	14.43	W
April	8.13	9.35	11.17	12.68	13.58	13.50	–

Dash (–) = No data reported.
W = Withheld to avoid disclosure of individual company data.
[a] Free on Board. See Glossary.

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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							
January	14.41	14.81	17.62	18.12	18.80	19.22	18.47
February	15.29	15.52	17.66	18.86	18.80	20.03	19.74
March	16.57	17.52	19.84	20.30	20.54	21.63	21.48
April	17.04	18.65	21.71	20.94	22.12	21.86	22.15
May	15.97	17.39	19.92	19.90	21.01	21.48	21.57
June	16.10	16.90	19.17	19.20	20.09	20.30	20.63
July	16.63	17.28	19.70	19.75	20.66	21.02	20.96
August	17.33	18.00	20.52	20.86	21.72	21.54	21.81
September	19.12	19.91	22.55	22.38	23.33	22.93	22.54
October	19.23	20.97	23.32	23.34	24.80	24.73	24.87
November	18.99	19.57	22.43	22.95	24.10	24.61	24.37
December	19.17	19.92	22.96	22.71	24.77	25.19	25.53
1996	**17.18**	**18.11**	**20.53**	**20.87**	**21.74**	**21.71**	**22.28**
1997							
January	18.57	19.39	23.77	22.23	24.88	25.24	25.59
February	14.79	17.00	21.22	19.69	22.81	22.74	24.44
March	14.56	16.06	18.91	18.55	20.83	22.05	21.22
April	14.57	15.28	17.72	17.89	19.25	21.09	21.01
May	14.64	16.08	17.91	18.06	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	17.66	17.66	19.05	19.96	19.40
August	14.48	15.72	17.81	18.50	19.58	20.23	20.13
September	14.64	15.55	18.10	18.58	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	18.41	19.17
1997	**14.42**	**15.79**	**18.57**	**18.43**	**20.34**	**21.18**	**20.88**
1998							
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	8.64	9.39	13.08	13.50	14.33	15.23	14.68
April	9.30	9.99	12.46	13.32	14.48	14.82	14.77

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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
1978	**1.26**	**3.57**	**7.93**	**38.79**	**31.66**	**13.48**	**3.31**
1979	**1.65**	**3.96**	**8.45**	**38.98**	**30.64**	**13.36**	**2.96**
1980	**1.70**	**6.18**	**9.25**	**38.43**	**27.02**	**13.56**	**3.85**
1981	**2.19**	**8.88**	**9.46**	**37.37**	**26.60**	**12.53**	**2.98**
1982	**3.39**	**14.90**	**11.72**	**35.58**	**23.76**	**8.44**	**2.20**
1983	**3.91**	**20.40**	**15.14**	**24.95**	**23.63**	**7.74**	**4.23**
1984	**6.48**	**20.52**	**11.59**	**21.05**	**25.75**	**8.12**	**6.48**
1985	**7.62**	**20.46**	**11.19**	**27.14**	**24.93**	**4.02**	**4.65**
1986	**5.54**	**19.36**	**14.12**	**27.49**	**25.74**	**3.65**	**4.11**
1987	**4.04**	**19.68**	**16.88**	**26.91**	**24.79**	**3.87**	**3.85**
1988	**3.52**	**18.27**	**15.99**	**30.72**	**24.45**	**4.04**	**3.02**
1989	**2.55**	**14.39**	**16.80**	**36.27**	**23.79**	**3.55**	**2.64**
1990	**3.64**	**14.96**	**18.13**	**34.44**	**23.21**	**2.94**	**2.67**
1991	**3.76**	**16.02**	**20.79**	**34.84**	**20.94**	**2.11**	**1.55**
1992	**4.05**	**17.64**	**22.41**	**31.38**	**20.49**	**3.00**	**1.04**
1993	**4.52**	**18.79**	**19.24**	**32.49**	**20.99**	**2.59**	**1.39**
1994	**3.80**	**18.98**	**18.46**	**30.77**	**23.37**	**2.75**	**1.87**
1995	**4.52**	**18.38**	**17.04**	**31.51**	**23.81**	**2.98**	**1.76**
1996							
January	4.15	22.60	17.85	28.54	23.19	2.19	1.48
February	4.52	22.26	14.69	28.79	24.96	3.51	1.27
March	3.79	19.54	19.77	31.45	22.75	1.17	1.54
April	4.56	20.86	13.84	31.67	26.91	0.96	1.20
May	4.51	18.61	15.86	32.04	24.32	3.00	1.66
June	4.29	20.45	15.33	34.01	22.65	2.29	0.98
July	6.17	18.84	13.25	33.93	24.75	2.16	0.90
August	5.23	19.66	12.44	35.69	22.73	2.57	1.69
September	3.99	21.90	13.26	36.65	21.75	0.65	1.80
October	3.92	22.24	15.65	30.63	23.84	1.09	2.62
November	5.03	22.49	13.65	31.88	23.91	2.24	0.80
December	4.63	21.77	11.45	38.24	20.65	1.68	1.59
1996	**4.58**	**20.88**	**14.69**	**32.92**	**23.51**	**1.95**	**1.47**
1997							
January	4.90	21.83	13.07	35.17	21.70	2.37	0.96
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	21.20	14.04	34.47	21.11	2.02	1.54
July	7.20	22.66	14.93	31.15	22.08	0.88	1.10
August	6.25	23.22	11.34	36.23	20.95	0.81	1.19
September	6.29	24.10	11.46	34.18	20.44	1.60	1.92
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
1997	**6.07**	**21.95**	**13.38**	**34.26**	**21.34**	**1.74**	**1.24**
1998							
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	7.11	21.77	14.55	32.97	20.89	1.78	0.92
April	7.53	23.59	19.96	27.17	19.69	1.19	0.86

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Table 29. F.O.B.[a] 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					
January	W	W	18.06	W	23.45
February	W	16.71	16.01	W	19.86
March	17.71	W	14.69	W	W
1st Quarter Average	19.51	17.27	16.39	W	21.59
April	W	15.29	14.14	W	17.19
May	17.79	15.20	14.51	W	W
June	W	14.42	13.41	W	W
2nd Quarter Average	17.10	14.96	14.06	W	17.57
July	17.35	14.37	13.79	W	18.06
August	17.54	14.97	14.47	W	W
September	17.65	14.70	14.21	–	W
3rd Quarter Average	17.51	14.71	14.17	W	18.09
October	18.90	15.68	15.17	W	W
November	18.08	W	13.51	W	19.06
December	16.24	W	11.31	–	16.33
4th Quarter Average	17.89	14.73	13.03	W	18.07
1997 Average	**17.93**	**15.37**	**14.29**	**17.95**	**18.75**
1998					
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
1st Quarter Average	12.81	W	9.49	W	13.63
April	W	W	8.67	W	12.78

See footnotes at end of table.

Table 29. F.O.B.[a] Costs of Imported Crude Oil for Selected Crude Streams

(Dollars per Barrel) — Continued

Year Quarter Month	Mexican Mayan	Mexican Olmeca	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					
January	18.62	24.61	24.58	22.97	W
February	15.97	22.26	22.74	19.29	15.89
March	14.89	19.87	W	17.31	W
1st Quarter Average	16.56	22.34	22.66	19.81	W
April	14.49	18.40	W	16.73	W
May	15.34	19.40	19.06	16.98	W
June	14.12	17.76	W	16.08	W
2nd Quarter Average	14.65	18.50	18.27	16.60	W
July	14.43	18.36	19.28	16.53	W
August	14.97	18.74	W	16.86	15.27
September	14.87	18.58	W	W	W
3rd Quarter Average	14.77	18.55	19.32	17.05	15.51
October	15.93	20.06	W	18.44	W
November	14.42	19.00	W	W	W
December	11.49	17.26	W	W	12.20
4th Quarter Average	14.02	18.80	18.67	17.07	13.01
1997 Average	**14.98**	**19.67**	**19.68**	**17.73**	**14.76**
1998					
January	9.69	15.51	W	W	10.90
February	9.06	14.65	W	W	9.69
March	7.83	13.41	W	W	9.83
1st Quarter Average	8.83	14.59	W	W	10.23
April	9.33	13.78	13.71	11.86	9.96

Dash (–) = No data reported.
W = Withheld to avoid disclosure of individual company data.
[a] 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 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							
January	23.98	20.83	19.55	24.63	24.60	19.21	25.13
February	21.33	18.73	17.84	20.28	20.97	16.56	22.63
March	19.55	17.33	16.23	18.31	W	15.49	20.20
1st Quarter Average	21.81	18.80	17.96	20.67	22.45	17.07	22.65
April	18.02	16.04	15.43	17.71	18.41	15.14	18.98
May	19.04	16.21	15.66	17.41	W	15.97	19.88
June	W	15.45	14.78	17.30	W	14.78	18.29
2nd Quarter Average	18.43	15.93	15.31	17.45	18.85	15.30	19.06
July	18.26	15.50	15.14	15.97	19.49	15.00	18.83
August	18.65	16.05	15.61	16.75	W	15.53	19.18
September	18.96	16.01	15.39	16.05	W	15.36	19.05
3rd Quarter Average	18.61	15.87	15.38	16.28	19.42	15.30	19.02
October	20.20	16.66	16.26	18.52	20.48	16.56	20.50
November	19.30	15.48	15.06	18.25	20.59	15.18	19.42
December	17.90	13.77	12.72	15.77	17.83	12.17	17.71
4th Quarter Average	19.18	15.18	14.41	17.88	19.59	14.76	19.26
1997 Average	**19.48**	**16.46**	**15.72**	**18.06**	**20.07**	**15.58**	**20.05**
1998							
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	13.31	10.51	10.15	11.94	14.44	8.24	13.77
1st Quarter Average	14.09	11.14	10.59	13.35	15.12	9.41	14.98
April	13.67	10.25	9.65	12.14	14.32	9.78	14.21

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							
January	W	25.76	22.07	20.18	24.80	23.89	W
February	W	23.96	18.99	17.81	24.33	20.11	16.70
March	W	20.12	18.64	17.39	23.59	18.18	W
1st Quarter Average	W	23.79	19.91	18.70	24.39	20.72	W
April	W	19.10	17.82	17.10	19.40	17.59	W
May	19.74	19.98	17.66	16.57	20.01	17.98	W
June	W	19.14	17.42	16.64	19.63	17.15	W
2nd Quarter Average	19.79	19.40	17.65	16.76	19.67	17.58	W
July	–	19.95	17.33	16.74	18.73	17.26	W
August	W	20.06	18.70	18.09	19.44	17.56	16.12
September	21.06	20.30	18.28	17.79	19.40	18.36	W
3rd Quarter Average	20.88	20.13	18.11	17.57	19.18	17.70	16.38
October	W	20.67	18.13	16.84	W	19.21	W
November	W	20.37	16.68	14.90	W	17.95	W
December	–	19.14	15.73	14.18	W	W	13.18
4th Quarter Average	20.61	19.98	16.63	15.38	19.50	17.86	14.02
1997 Average	**21.21**	**20.67**	**18.14**	**17.11**	**20.85**	**18.59**	**15.83**
1998							
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	12.91	12.23	15.27	W	10.81
1st Quarter Average	15.62	15.53	13.81	12.52	15.71	13.83	11.15
April	15.12	14.59	13.41	12.12	15.15	12.68	10.88

Dash (–) = No data reported.
W = Withheld to avoid disclosure of individual company data.
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.

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	63.4	63.4	57.8	52.0	48.6	53.0	72.0	71.6	63.7	56.1	W	59.9
March 1998	62.0	61.8	55.5	48.9	46.3	50.5	70.6	70.3	61.5	52.9	W	57.2
April 1997	80.0	79.8	75.3	65.9	62.5	68.3	88.6	88.3	81.0	70.0	W	75.5
PAD District I												
April 1998	60.5	60.4	56.2	50.9	48.8	52.5	69.9	69.6	62.4	55.0	–	58.6
March 1998	59.7	59.5	54.8	48.2	46.3	50.4	69.3	68.9	61.1	52.2	–	56.5
April 1997	77.8	77.4	72.6	63.7	60.9	66.5	87.1	86.7	78.2	68.0	–	73.0
Subdistrict IA												
April 1998	64.4	64.0	58.2	54.2	49.5	55.5	74.4	73.8	65.3	58.3	–	62.3
March 1998	64.8	64.3	58.0	52.5	47.7	54.4	75.2	74.5	65.5	56.2	–	61.5
April 1997	82.9	82.2	75.1	66.4	62.5	69.7	92.5	91.5	81.9	70.2	–	77.0
Connecticut												
April 1998	63.7	63.4	57.9	53.9	48.7	55.2	73.4	72.1	65.3	58.4	–	62.5
March 1998	64.0	63.7	57.5	52.9	47.5	54.0	74.3	72.7	65.2	57.3	–	62.0
April 1997	81.4	81.0	72.6	66.8	W	69.2	91.2	89.7	78.9	70.6	–	75.8
Maine												
April 1998	68.0	67.9	59.6	55.3	W	56.2	78.2	77.7	65.5	58.7	–	60.8
March 1998	67.7	67.5	58.3	53.1	W	53.5	78.2	77.7	64.3	56.5	–	58.9
April 1997	84.2	84.1	74.3	66.8	W	68.9	94.4	94.0	80.4	70.6	–	73.8
Massachusetts												
April 1998	63.6	62.9	57.9	54.4	W	55.6	74.2	73.7	65.6	58.6	–	63.0
March 1998	64.9	63.9	58.3	52.6	W	55.0	75.8	75.1	66.2	55.9	–	62.1
April 1997	83.4	81.9	76.2	66.1	62.0	70.1	93.1	91.9	83.8	69.7	–	78.6
New Hampshire												
April 1998	64.7	64.6	59.6	55.7	–	58.2	75.3	75.2	65.4	59.7	–	64.0
March 1998	64.3	64.2	59.1	54.3	–	57.3	74.9	74.8	65.3	58.0	–	63.5
April 1997	83.1	82.9	75.9	68.3	–	73.4	92.3	92.1	81.2	72.6	–	79.7
Rhode Island												
April 1998	59.4	59.3	55.3	52.3	W	52.3	68.9	68.9	61.7	55.8	–	58.5
March 1998	60.3	60.2	55.4	50.7	–	52.1	69.7	69.7	61.8	54.1	–	57.7
April 1997	79.5	79.3	76.9	65.6	62.4	67.3	88.1	87.8	82.6	69.6	–	74.9
Vermont												
April 1998	64.9	65.1	60.6	51.2	–	58.1	74.4	73.7	67.9	56.0	–	65.1
March 1998	63.9	64.0	59.2	48.0	–	56.1	73.6	73.2	67.6	52.1	–	63.6
April 1997	84.9	84.7	77.9	64.6	–	74.1	94.3	93.2	85.1	68.7	–	81.1
Subdistrict IB												
April 1998	60.6	60.7	57.0	51.4	48.7	52.8	69.4	69.2	63.4	56.0	–	60.5
March 1998	59.7	59.7	55.5	49.1	46.1	51.0	68.6	68.4	62.3	53.6	–	58.9
April 1997	77.8	77.6	72.8	64.1	60.7	66.7	86.6	86.2	78.6	68.6	–	74.6
Delaware												
April 1998	60.5	60.5	54.6	50.2	–	52.0	72.3	71.7	61.8	54.0	–	57.9
March 1998	61.1	60.9	53.6	49.0	–	51.0	73.0	72.4	59.7	52.8	–	56.5
April 1997	77.5	77.1	71.7	64.5	W	67.8	86.8	86.0	79.6	68.2	–	75.1
District of Columbia												
April 1998	W	61.5	61.9	–	–	61.9	W	70.7	NA	–	–	NA
March 1998	W	60.6	61.2	–	–	61.2	W	69.2	NA	–	–	NA
April 1997	W	74.5	77.0	–	–	77.0	W	86.1	80.4	–	–	80.4
Maryland												
April 1998	64.4	63.5	58.9	52.9	W	56.5	72.9	71.8	64.5	57.4	–	62.3
March 1998	64.4	63.2	58.2	49.7	W	54.7	73.3	71.6	63.7	54.1	–	60.7
April 1997	80.6	79.3	73.5	64.0	63.8	69.3	88.6	86.3	78.5	68.1	–	75.4
New Jersey												
April 1998	62.5	63.0	59.0	52.0	49.0	52.3	73.3	73.6	65.0	57.5	–	62.3
March 1998	62.4	62.8	57.7	50.7	46.6	51.2	72.4	72.7	64.1	55.8	–	61.1
April 1997	79.1	78.9	73.7	64.8	60.4	65.4	89.8	89.1	79.1	70.4	–	75.9
New York												
April 1998	62.7	62.4	58.9	51.3	48.6	54.1	72.5	71.3	66.7	55.0	–	63.0
March 1998	62.2	61.8	57.6	49.2	46.8	52.3	72.2	71.1	66.1	53.0	–	61.8
April 1997	79.3	78.7	74.3	64.4	61.9	68.1	88.2	87.1	81.3	68.7	–	77.2
Pennsylvania												
April 1998	58.2	58.4	52.9	51.0	46.9	51.2	66.6	66.7	58.2	55.2	–	56.7
March 1998	56.7	56.8	50.4	48.2	43.8	48.5	65.5	65.6	56.1	52.7	–	54.4
April 1997	76.2	76.3	70.4	63.6	59.9	65.6	85.0	85.0	75.5	68.0	–	71.5

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	80.1	79.5	70.3	61.1	53.1	64.2	67.1	66.9	61.1	53.9	49.0	55.5
March 1998	78.8	78.1	68.1	57.8	48.9	61.5	65.7	65.4	58.9	50.7	46.6	53.0
April 1997	96.5	95.7	87.8	75.1	66.4	79.8	83.6	83.3	78.6	67.7	62.9	70.8
PAD District I												
April 1998	78.6	77.8	69.1	60.2	52.2	63.7	65.3	65.0	60.3	53.1	49.3	55.5
March 1998	77.8	77.0	67.7	57.3	48.6	61.3	64.6	64.3	58.9	50.4	46.8	53.4
April 1997	95.3	94.2	85.6	73.6	65.2	78.4	82.3	81.9	76.6	66.0	61.7	69.7
Subdistrict IA												
April 1998	83.0	81.4	70.3	62.5	W	66.1	68.4	67.9	61.4	56.1	49.6	58.0
March 1998	83.6	81.9	70.1	61.0	W	65.5	68.9	68.3	61.2	54.3	47.8	56.9
April 1997	100.1	98.1	87.6	75.4	66.9	80.3	86.6	85.8	78.2	68.2	63.4	72.3
Connecticut												
April 1998	83.3	82.3	71.3	63.4	W	65.9	68.2	67.8	61.3	56.1	49.1	57.9
March 1998	83.9	83.0	71.2	62.6	W	66.2	68.7	68.2	60.9	55.0	47.7	56.8
April 1997	100.1	98.9	85.9	76.6	–	81.6	85.7	85.1	75.7	68.8	W	71.9
Maine												
April 1998	87.5	86.6	71.4	63.8	–	65.9	71.3	71.1	61.6	56.7	W	57.8
March 1998	87.4	86.5	68.9	61.8	–	63.7	71.1	70.8	60.2	54.5	W	55.0
April 1997	102.1	101.5	86.4	76.1	–	79.0	87.4	87.2	76.4	68.2	W	70.5
Massachusetts												
April 1998	82.0	79.6	69.4	62.0	W	66.0	68.0	67.1	61.2	56.3	50.3	58.3
March 1998	83.3	80.3	69.4	60.5	–	65.6	69.3	68.1	61.6	54.4	W	57.7
April 1997	100.0	96.3	88.2	74.6	W	79.5	87.3	85.7	79.7	67.9	63.6	72.9
New Hampshire												
April 1998	84.0	84.0	72.1	62.5	–	68.8	68.4	68.3	62.3	57.0	–	60.5
March 1998	83.7	83.7	71.8	60.8	–	68.1	67.9	67.8	61.9	55.5	–	59.6
April 1997	100.1	99.9	89.3	77.8	–	86.4	86.4	86.2	78.8	69.8	–	76.1
Rhode Island												
April 1998	77.1	76.8	68.3	60.9	–	63.5	63.3	63.3	58.8	54.2	W	54.6
March 1998	78.1	77.5	68.3	59.2	–	62.3	64.2	64.1	58.9	52.5	–	54.6
April 1997	95.1	94.7	90.0	74.2	W	78.8	83.0	82.8	80.4	67.5	62.7	69.9
Vermont												
April 1998	82.8	82.4	73.6	60.7	–	71.3	68.3	68.2	63.7	52.8	–	61.0
March 1998	81.8	81.5	72.0	57.4	–	69.0	67.4	67.3	62.5	49.7	–	59.1
April 1997	101.4	101.0	88.2	74.3	–	84.6	88.0	87.7	80.3	66.4	–	76.4
Subdistrict IB												
April 1998	78.4	77.8	70.8	60.4	52.2	64.8	65.0	64.9	61.6	53.5	49.2	56.1
March 1998	77.8	77.2	69.7	57.9	48.6	62.4	64.3	64.1	60.3	51.2	46.7	54.4
April 1997	95.0	94.1	86.4	74.0	65.4	79.5	82.1	81.7	77.4	66.4	61.5	70.3
Delaware												
April 1998	80.1	79.4	68.9	59.5	–	63.6	65.3	65.0	58.2	52.1	–	54.7
March 1998	80.8	79.7	66.9	58.2	–	62.2	65.9	65.4	56.7	51.0	–	53.6
April 1997	95.8	94.8	86.8	74.2	–	80.7	81.5	81.0	75.7	66.6	W	71.0
District of Columbia												
April 1998	W	75.5	NA	–	–	NA	W	66.7	66.8	–	–	66.8
March 1998	W	74.1	NA	–	–	NA	W	65.3	66.1	–	–	66.1
April 1997	W	89.3	87.2	–	–	87.2	W	80.2	82.2	–	–	82.2
Maryland												
April 1998	79.0	77.1	68.4	62.6	–	66.6	68.4	67.5	62.2	55.5	W	59.8
March 1998	79.7	77.4	67.7	58.9	–	65.0	68.5	67.2	61.6	52.1	W	58.0
April 1997	95.2	92.6	84.2	72.9	–	80.7	84.4	82.8	77.1	66.4	63.8	72.7
New Jersey												
April 1998	81.7	81.8	72.6	60.8	52.1	65.7	68.7	69.0	63.9	54.7	49.2	55.5
March 1998	81.4	81.4	71.5	58.9	48.4	62.7	68.4	68.7	62.6	53.1	46.9	54.5
April 1997	98.1	97.1	87.0	74.8	65.3	77.5	85.1	84.6	78.7	67.8	61.4	69.2
New York												
April 1998	79.6	78.5	74.0	60.0	54.1	67.0	67.0	66.4	64.8	53.1	51.3	58.3
March 1998	79.2	78.2	73.2	57.9	49.3	63.8	66.6	65.9	63.9	51.0	48.4	56.5
April 1997	95.7	94.5	89.1	74.0	67.6	82.9	83.3	82.5	79.9	66.3	63.5	72.6
Pennsylvania												
April 1998	75.4	75.1	64.2	59.8	50.5	60.0	62.2	62.3	55.7	52.8	48.0	53.4
March 1998	74.3	74.0	62.1	56.9	46.7	58.0	60.8	60.9	53.3	50.0	44.3	50.8
April 1997	92.8	92.5	82.7	73.8	63.5	77.0	80.2	80.2	73.5	65.8	60.3	68.2

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Subdistrict IC												
April 1998	59.6	59.5	54.5	49.9	NA	51.3	69.5	69.2	60.7	54.2	–	56.8
March 1998	58.8	58.5	52.6	46.8	46.0	48.6	68.7	68.4	58.9	51.1	–	54.2
April 1997	76.7	76.2	71.2	62.9	61.1	65.3	86.5	86.3	76.9	67.5	–	71.3
Florida												
April 1998	61.4	60.8	51.6	49.4	W	50.1	71.6	70.8	59.6	53.4	–	56.0
March 1998	60.4	59.9	51.4	46.6	W	48.0	70.9	70.2	58.0	50.7	–	53.7
April 1997	79.5	78.5	74.0	63.3	W	66.3	89.8	89.2	80.9	67.7	–	73.2
Georgia												
April 1998	56.5	56.9	54.2	49.3	–	50.8	66.1	66.7	58.6	54.2	–	56.2
March 1998	55.5	55.8	52.4	46.3	–	48.2	65.0	65.5	56.7	51.0	–	53.6
April 1997	72.2	72.3	65.4	62.0	W	63.0	82.2	82.4	69.9	67.5	–	68.5
North Carolina												
April 1998	57.9	57.7	55.1	49.8	–	51.2	68.0	67.5	62.4	54.4	–	56.9
March 1998	57.3	57.0	52.7	46.8	W	48.3	67.5	66.9	60.5	51.2	–	54.0
April 1997	76.0	75.5	71.9	62.7	61.1	65.1	85.3	85.1	77.7	67.2	–	70.6
South Carolina												
April 1998	57.6	57.9	52.1	49.8	–	50.3	67.9	67.7	57.3	54.6	–	55.4
March 1998	56.6	56.6	49.1	46.7	–	47.3	66.7	66.5	53.9	51.4	–	52.2
April 1997	73.6	73.8	76.0	62.7	61.3	65.7	84.1	84.0	78.0	67.6	–	71.4
Virginia												
April 1998	62.4	62.2	56.7	51.2	NA	53.1	72.1	71.8	63.7	54.6	–	58.6
March 1998	61.6	61.3	54.1	47.9	44.5	50.2	71.5	70.9	62.1	51.6	–	56.4
April 1997	78.5	78.1	71.2	63.5	59.1	66.1	88.2	87.5	76.2	67.3	–	71.5
West Virginia												
April 1998	64.1	63.9	58.9	52.3	–	56.5	73.1	72.9	65.0	56.4	–	61.8
March 1998	62.8	62.5	56.1	48.7	–	53.4	71.8	71.5	63.3	52.6	–	58.8
April 1997	82.1	81.8	72.7	64.6	–	69.3	91.2	90.9	77.4	68.9	–	74.3
PAD District II												
April 1998	64.7	64.8	58.2	52.6	49.2	53.8	72.5	72.4	64.2	57.1	–	60.2
March 1998	62.7	62.7	55.4	49.3	47.4	50.8	70.3	70.2	61.7	53.6	–	57.2
April 1997	77.8	77.8	70.6	65.5	61.6	66.5	85.8	85.6	76.3	69.9	–	72.9
Illinois												
April 1998	66.3	66.5	63.2	53.5	48.5	55.8	73.4	73.4	68.0	57.6	–	64.2
March 1998	63.6	63.7	59.3	49.2	46.2	51.7	70.4	70.4	64.1	52.6	–	59.9
April 1997	79.7	79.8	75.1	66.8	61.3	68.9	88.7	88.3	79.9	71.4	–	77.3
Indiana												
April 1998	64.5	64.5	57.1	51.8	49.9	53.4	72.5	72.2	62.5	55.8	–	59.0
March 1998	61.7	61.7	53.8	48.0	48.4	50.1	69.5	69.4	59.2	52.0	–	55.5
April 1997	77.1	77.0	69.0	64.8	62.6	65.9	85.0	84.8	74.2	68.9	–	71.4
Iowa												
April 1998	63.3	63.7	57.4	53.6	–	54.0	68.9	69.2	61.3	59.8	–	60.2
March 1998	63.1	63.4	55.6	51.5	–	52.0	69.0	69.2	60.1	NA	–	57.7
April 1997	76.8	77.2	69.2	65.9	W	66.3	81.9	81.7	72.0	71.2	–	71.4
Kansas												
April 1998	62.4	62.2	56.7	52.2	49.1	52.3	68.8	68.8	NA	56.7	–	58.1
March 1998	62.1	61.9	56.5	49.9	47.8	50.5	67.9	67.9	57.6	54.4	–	55.9
April 1997	77.1	77.3	68.1	64.3	61.0	64.3	83.1	83.1	72.1	68.5	–	70.6
Kentucky												
April 1998	65.4	64.9	58.2	52.4	W	54.3	74.8	74.2	64.2	57.1	–	60.1
March 1998	61.8	61.5	55.2	48.2	–	50.5	70.8	70.4	61.9	52.2	–	56.4
April 1997	82.3	81.4	72.2	66.8	–	68.7	91.4	90.6	79.3	71.6	–	75.1
Michigan												
April 1998	63.4	63.3	54.9	52.2	NA	53.3	72.8	72.7	60.1	55.3	–	58.9
March 1998	61.5	61.4	52.2	48.1	–	49.8	69.9	69.8	57.7	50.5	–	55.9
April 1997	74.3	74.5	66.8	65.9	W	66.2	82.8	82.8	71.3	68.1	–	70.5
Minnesota												
April 1998	72.7	72.7	64.9	56.5	49.8	58.2	77.5	77.5	67.9	58.3	–	60.9
March 1998	72.2	72.0	64.2	54.8	W	56.7	77.0	77.0	67.8	56.7	–	59.9
April 1997	86.9	86.1	75.4	67.9	66.2	69.4	93.1	92.9	81.1	71.3	–	75.4
Missouri												
April 1998	61.1	61.5	58.6	51.8	–	53.9	69.2	69.3	NA	56.2	–	59.6
March 1998	58.0	58.5	55.4	48.9	–	51.2	66.2	66.3	59.8	52.9	–	56.9
April 1997	74.4	74.5	70.9	64.7	W	66.9	81.6	82.4	74.6	70.0	–	73.0

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Subdistrict IC												
April 1998	78.1	77.3	66.7	59.7	53.3	62.2	64.8	64.6	58.3	52.4	49.2	54.3
March 1998	77.1	76.3	64.4	56.4	W	59.4	63.9	63.7	56.4	49.3	46.3	51.7
April 1997	94.8	93.7	83.8	73.1	62.8	76.9	81.6	81.2	75.2	65.4	61.5	68.5
Florida												
April 1998	79.1	78.0	66.2	59.1	W	62.2	66.6	66.0	57.5	51.9	W	53.9
March 1998	78.4	77.3	64.4	56.2	–	59.9	65.7	65.2	56.6	49.1	W	51.7
April 1997	97.3	95.4	88.3	73.5	W	80.1	84.5	83.5	79.7	65.8	W	70.5
Georgia												
April 1998	74.9	74.9	65.5	59.1	–	61.4	61.5	62.0	57.2	51.8	–	53.6
March 1998	73.4	73.4	63.5	55.6	–	58.4	60.4	60.9	55.6	48.6	–	50.9
April 1997	91.2	91.3	76.7	72.4	W	73.0	77.2	77.6	68.6	64.6	W	65.8
North Carolina												
April 1998	77.8	77.2	68.0	60.1	–	62.1	63.7	63.3	58.8	52.5	–	54.2
March 1998	76.9	76.2	65.0	56.6	–	58.7	63.1	62.6	56.4	49.4	W	51.2
April 1997	94.2	92.9	83.1	73.1	63.8	76.0	81.1	80.5	75.2	65.4	61.3	68.0
South Carolina												
April 1998	76.9	76.5	63.2	60.0	–	60.8	62.7	62.8	54.9	52.3	–	52.9
March 1998	75.2	74.8	59.8	56.6	–	57.4	61.6	61.5	51.8	49.2	–	49.8
April 1997	92.8	92.2	85.5	73.3	–	76.3	78.4	78.5	77.9	65.2	61.3	68.3
Virginia												
April 1998	79.9	78.8	67.9	60.3	W	63.5	67.4	67.1	60.5	53.4	47.9	56.0
March 1998	79.4	78.1	65.1	57.0	W	60.6	66.7	66.2	57.9	50.1	45.3	53.3
April 1997	95.6	94.6	82.7	73.3	W	77.6	83.2	82.7	74.8	65.8	59.2	69.2
West Virginia												
April 1998	81.8	81.2	71.4	62.1	–	67.7	67.8	67.6	61.5	54.4	–	58.8
March 1998	79.9	79.3	69.0	57.8	–	64.6	66.6	66.3	58.9	50.7	–	55.8
April 1997	97.8	97.2	83.8	74.4	–	79.9	85.9	85.6	75.1	66.6	–	71.5
PAD District II												
April 1998	79.8	79.4	69.9	61.4	52.4	64.2	67.4	67.3	60.7	54.0	49.3	55.7
March 1998	77.4	76.9	66.9	57.5	48.3	60.6	65.4	65.3	57.9	50.7	47.4	52.6
April 1997	92.8	92.4	82.1	74.0	65.1	76.8	80.5	80.4	73.0	66.8	61.7	68.3
Illinois												
April 1998	82.8	82.4	73.9	64.1	54.4	69.0	69.4	69.5	66.2	55.1	48.7	58.5
March 1998	79.3	78.8	69.8	59.0	W	63.9	66.6	66.6	62.3	50.7	46.1	54.3
April 1997	97.4	96.7	85.4	76.6	W	81.1	83.3	83.3	78.0	68.3	61.3	71.6
Indiana												
April 1998	79.4	78.9	68.7	61.5	NA	64.6	67.7	67.6	59.6	53.5	49.9	55.4
March 1998	75.9	75.7	65.2	57.5	W	60.6	64.9	64.8	56.3	49.7	48.4	52.1
April 1997	91.4	91.0	80.2	74.4	–	76.8	80.1	80.0	71.3	66.6	62.6	67.9
Iowa												
April 1998	72.3	72.4	65.3	61.5	–	62.2	64.5	64.8	59.1	54.9	–	55.5
March 1998	71.9	71.9	63.9	59.1	–	59.9	64.3	64.6	57.6	52.9	–	53.5
April 1997	86.8	86.9	76.7	73.7	–	74.2	78.0	78.3	70.6	66.9	W	67.4
Kansas												
April 1998	75.2	74.9	64.8	59.4	W	60.4	63.8	63.6	57.7	52.9	49.1	53.1
March 1998	73.9	73.5	62.9	57.0	W	58.1	63.5	63.2	57.2	50.6	47.8	51.2
April 1997	90.3	90.0	76.3	71.2	W	71.8	78.5	78.5	69.3	64.9	61.1	65.0
Kentucky												
April 1998	83.7	82.5	69.8	62.0	–	64.6	69.5	68.9	60.9	54.5	W	56.7
March 1998	79.7	78.7	66.6	57.4	–	60.5	66.0	65.4	58.0	50.2	–	52.9
April 1997	100.2	98.7	84.7	75.9	–	79.2	86.2	85.2	75.2	68.7	–	71.1
Michigan												
April 1998	78.2	77.5	67.0	61.7	W	64.0	65.8	65.6	57.0	53.5	W	55.0
March 1998	76.1	75.5	64.3	56.9	–	60.2	63.8	63.6	54.5	49.4	–	51.6
April 1997	88.2	88.1	78.4	74.0	–	76.2	76.7	76.8	68.9	66.8	W	67.7
Minnesota												
April 1998	84.1	84.0	73.1	62.8	W	65.3	74.1	74.0	66.1	57.3	50.5	59.2
March 1998	84.9	84.7	72.1	60.9	W	63.3	73.6	73.4	65.4	55.6	W	57.7
April 1997	97.8	96.9	86.2	75.0	W	77.9	88.3	87.5	77.1	68.6	66.5	70.5
Missouri												
April 1998	78.0	78.0	68.9	60.0	W	63.6	63.5	63.8	60.5	52.9	W	55.5
March 1998	74.8	74.8	67.2	56.9	–	61.2	60.4	60.8	57.3	49.9	–	52.7
April 1997	89.8	89.7	81.8	72.6	–	76.6	76.4	76.6	72.8	65.7	W	68.3

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	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Nebraska												
April 1998	64.2	64.8	56.6	53.6	–	54.0	70.0	69.5	61.9	59.3	–	59.9
March 1998	64.1	64.5	55.6	51.1	–	51.8	69.3	68.7	61.3	NA	–	58.3
April 1997	77.7	78.5	69.2	66.2	W	66.6	82.4	82.3	73.1	76.5	–	75.6
North Dakota												
April 1998	75.4	74.5	58.8	54.0	–	54.8	80.4	78.3	NA	61.3	–	62.2
March 1998	71.3	71.1	55.1	51.1	–	51.8	77.9	76.7	63.0	59.3	–	60.4
April 1997	88.2	88.1	72.6	67.7	–	68.5	92.9	93.4	77.4	74.1	–	76.0
Ohio												
April 1998	65.9	65.6	57.8	52.1	W	54.4	74.5	74.0	65.0	55.3	–	61.0
March 1998	63.8	63.5	54.9	47.9	46.5	50.8	72.2	71.9	62.0	50.7	–	57.1
April 1997	77.4	77.3	70.3	65.2	63.2	67.3	85.6	85.3	76.3	68.7	–	73.4
Oklahoma												
April 1998	59.7	59.8	53.6	51.0	49.5	50.6	65.9	65.9	59.2	53.4	–	57.2
March 1998	59.2	59.2	53.0	49.3	47.8	49.1	65.3	65.4	58.9	50.6	–	56.4
April 1997	73.2	73.1	67.8	63.4	60.9	62.6	79.3	78.8	71.1	66.6	–	69.0
South Dakota												
April 1998	71.3	71.5	60.3	54.6	–	55.9	71.7	71.7	NA	NA	–	NA
March 1998	70.3	70.6	57.8	51.8	–	53.2	71.5	71.5	60.8	56.4	–	57.2
April 1997	85.4	85.4	NA	68.4	–	69.7	89.9	90.2	NA	NA	–	NA
Tennessee												
April 1998	60.0	59.8	57.6	50.2	–	51.4	69.8	69.6	65.7	54.8	–	57.5
March 1998	59.4	59.0	55.7	47.1	–	48.5	69.0	68.8	63.9	51.5	–	54.6
April 1997	76.9	76.7	71.6	63.3	W	64.7	86.7	86.6	79.4	68.0	–	70.6
Wisconsin												
April 1998	66.5	66.4	59.5	53.6	–	54.6	74.1	74.0	66.0	58.9	–	61.2
March 1998	63.3	63.2	54.6	49.6	W	50.6	70.9	70.9	61.8	54.7	–	56.9
April 1997	78.7	78.5	71.3	65.6	–	66.7	86.1	86.1	77.1	70.3	–	72.5
PAD District III												
April 1998	60.6	60.5	55.7	49.8	46.5	48.9	70.5	70.1	61.3	53.7	–	56.0
March 1998	60.7	60.5	54.6	47.7	44.8	47.5	70.7	70.3	60.4	51.4	–	54.1
April 1997	76.9	76.2	71.0	63.9	59.9	63.5	86.3	85.7	76.1	67.8	–	70.3
Alabama												
April 1998	63.2	62.8	55.5	49.5	–	51.3	71.6	71.0	60.4	54.1	–	56.5
March 1998	64.1	63.7	54.5	46.6	–	49.0	72.4	71.6	59.7	51.2	–	54.5
April 1997	79.7	79.1	69.7	62.6	W	64.6	89.6	88.9	75.9	67.5	–	70.6
Arkansas												
April 1998	60.2	60.1	56.7	50.4	46.9	51.2	69.5	68.8	60.7	53.9	–	55.5
March 1998	59.5	59.4	55.9	47.7	W	48.7	69.3	68.5	59.0	50.9	–	52.9
April 1997	75.8	75.3	69.6	63.9	58.7	64.5	85.2	84.3	75.1	67.8	–	69.6
Louisiana												
April 1998	60.8	60.1	58.1	48.0	46.3	49.0	71.7	70.9	63.9	52.3	–	56.1
March 1998	61.5	60.7	58.5	45.8	44.7	47.2	72.4	70.9	64.3	50.1	–	54.9
April 1997	77.4	76.7	74.3	62.6	59.1	63.7	87.7	86.7	80.1	67.4	–	71.2
Mississippi												
April 1998	64.3	63.6	58.3	48.9	46.2	50.1	72.8	72.4	64.1	53.2	–	57.2
March 1998	64.1	63.2	57.3	46.2	43.8	48.2	73.2	72.8	63.4	50.5	–	55.1
April 1997	80.8	79.9	71.7	62.4	60.1	63.6	89.8	89.3	76.8	66.8	–	70.0
New Mexico												
April 1998	69.6	69.2	57.3	54.2	–	54.7	78.6	78.1	62.6	58.4	–	59.0
March 1998	69.6	69.3	55.8	52.5	–	53.1	79.1	78.8	61.8	56.9	–	57.6
April 1997	84.3	83.7	76.5	72.2	–	73.5	91.5	91.3	77.3	76.3	–	76.6
Texas												
April 1998	59.0	59.1	54.3	49.9	46.5	48.2	69.0	68.8	60.1	53.7	–	55.4
March 1998	59.0	59.0	52.8	48.2	44.9	47.0	69.1	68.9	58.7	51.7	–	53.6
April 1997	75.4	74.8	69.7	63.9	60.0	62.5	84.4	84.0	74.5	67.7	–	69.6
PAD District IV												
April 1998	66.9	66.8	57.9	55.2	W	55.8	76.1	75.6	62.3	59.7	–	60.8
March 1998	65.7	65.5	54.4	50.9	W	51.7	74.1	73.5	59.4	54.9	–	56.8
April 1997	87.1	86.7	78.5	72.1	W	73.6	96.8	96.0	84.6	77.6	–	80.4
Colorado												
April 1998	66.1	65.9	55.7	54.0	W	54.2	77.3	76.7	60.1	57.5	–	58.3
March 1998	65.2	64.9	52.8	50.5	W	50.9	75.5	75.1	57.0	54.1	–	55.1
April 1997	85.9	85.1	73.9	65.5	W	67.0	97.3	96.6	82.7	69.0	–	73.9

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	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Nebraska												
April 1998	76.8	76.5	67.8	61.5	–	62.6	65.8	66.0	58.4	54.6	–	55.2
March 1998	76.6	76.2	66.7	59.1	–	60.6	65.6	65.7	57.6	52.4	–	53.2
April 1997	91.2	91.1	78.1	74.6	–	75.4	79.2	79.6	70.7	67.7	W	68.2
North Dakota												
April 1998	81.7	80.8	69.3	63.0	–	64.8	76.2	75.2	60.2	54.7	–	55.7
March 1998	77.8	77.1	66.5	59.9	–	61.9	72.4	72.1	56.8	51.9	–	52.9
April 1997	95.4	94.9	82.1	76.2	–	77.9	89.0	88.9	73.8	68.2	–	69.2
Ohio												
April 1998	82.4	81.6	71.2	62.0	W	65.6	69.2	68.8	60.8	53.6	48.3	56.6
March 1998	79.8	79.1	67.7	57.1	W	62.5	67.1	66.8	57.8	49.3	46.7	53.1
April 1997	93.4	92.9	82.5	74.5	64.7	78.2	80.7	80.5	73.0	66.6	63.5	69.5
Oklahoma												
April 1998	72.1	71.6	60.9	58.4	NA	58.0	62.2	62.1	54.7	52.2	49.5	51.3
March 1998	71.3	70.7	60.0	56.1	49.6	55.7	61.6	61.4	54.1	50.4	47.8	49.8
April 1997	85.4	85.2	74.4	70.5	65.1	70.1	75.5	75.3	68.8	64.5	61.1	63.4
South Dakota												
April 1998	83.3	83.3	66.8	62.9	–	64.0	71.8	71.9	60.8	55.4	–	56.7
March 1998	81.0	81.0	63.5	59.8	–	61.1	71.0	71.2	58.6	52.7	–	54.2
April 1997	95.7	95.8	NA	77.8	–	78.5	86.9	86.8	NA	69.1	–	70.3
Tennessee												
April 1998	78.9	78.5	71.2	60.4	–	62.2	65.2	64.9	61.6	52.8	–	54.4
March 1998	77.5	77.0	69.4	56.5	–	58.5	64.5	64.1	59.8	49.6	–	51.4
April 1997	95.2	94.7	85.7	73.5	–	75.6	81.8	81.6	75.6	66.0	W	67.7
Wisconsin												
April 1998	79.2	78.7	70.0	63.0	–	64.5	68.3	68.1	61.3	54.7	–	56.0
March 1998	75.3	74.9	65.3	58.5	–	60.0	65.1	64.9	56.5	50.8	W	51.9
April 1997	90.9	90.6	81.0	74.0	–	75.7	80.5	80.3	73.0	66.6	–	67.9
PAD District III												
April 1998	78.2	77.7	67.2	59.3	50.2	58.8	64.9	64.6	58.6	51.8	46.8	50.6
March 1998	78.6	77.9	66.5	56.9	46.9	57.6	65.0	64.6	57.6	49.6	44.9	49.4
April 1997	94.2	93.4	82.2	73.4	63.4	73.8	81.0	80.2	73.8	65.8	60.2	65.4
Alabama												
April 1998	79.9	79.1	67.0	59.7	–	61.9	67.7	67.3	58.6	52.2	–	54.2
March 1998	80.6	79.7	66.7	56.7	–	59.7	68.5	68.0	57.8	49.3	–	51.9
April 1997	97.4	96.4	83.3	73.1	–	76.0	84.4	83.8	73.4	65.3	W	67.7
Arkansas												
April 1998	78.0	76.5	67.6	59.7	W	59.8	63.5	63.1	59.1	52.3	47.5	53.0
March 1998	77.2	75.9	66.0	56.7	W	56.9	63.0	62.5	58.1	49.4	W	50.4
April 1997	94.0	91.8	79.4	73.2	W	73.8	79.1	78.7	71.6	65.8	58.8	66.4
Louisiana												
April 1998	80.0	78.1	70.8	57.5	50.1	58.6	66.2	65.3	61.8	50.5	46.8	51.5
March 1998	80.6	78.4	71.2	55.2	45.3	55.2	66.9	65.8	62.3	48.2	44.8	49.5
April 1997	96.2	94.8	87.1	72.5	W	76.2	82.6	81.8	78.2	65.1	59.2	66.6
Mississippi												
April 1998	82.3	80.6	70.2	58.7	W	59.8	68.7	67.9	61.1	51.2	46.5	52.4
March 1998	82.4	80.5	69.0	55.6	W	58.2	68.6	67.7	60.1	48.5	44.1	50.6
April 1997	98.9	96.3	84.0	72.5	W	73.8	85.4	84.3	74.3	64.8	60.2	65.8
New Mexico												
April 1998	85.8	85.2	66.0	63.5	–	63.9	72.4	71.9	58.8	55.7	–	56.2
March 1998	85.6	84.7	65.2	61.9	–	62.5	72.5	72.1	57.6	54.0	–	54.6
April 1997	98.9	97.9	85.8	81.7	–	83.2	86.5	85.8	77.9	73.6	–	75.0
Texas												
April 1998	76.5	76.5	65.5	59.5	50.3	57.4	63.1	63.1	57.0	51.7	46.8	49.5
March 1998	77.0	76.9	64.6	57.4	48.4	57.5	63.2	63.1	55.7	49.9	45.0	48.4
April 1997	92.3	91.9	79.7	73.4	63.6	71.9	79.3	78.5	72.4	65.6	60.3	64.1
PAD District IV												
April 1998	83.9	82.7	66.9	64.8	–	65.5	70.8	70.4	60.4	57.1	W	57.9
March 1998	82.0	80.7	63.9	60.7	–	61.6	69.4	68.8	57.1	52.9	W	54.0
April 1997	103.4	102.4	88.4	82.7	W	84.1	90.8	90.1	81.1	74.3	W	76.0
Colorado												
April 1998	NA	NA	64.7	62.5	–	63.0	NA	70.2	58.3	55.5	W	56.0
March 1998	83.1	81.9	61.9	59.3	–	59.9	69.4	68.9	55.4	52.2	W	52.8
April 1997	103.1	101.8	86.3	73.9	W	76.3	89.9	89.1	77.2	67.0	W	69.1

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	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Idaho												
April 1998	66.6	67.2	59.3	55.9	–	57.1	76.3	76.0	63.8	60.3	–	61.9
March 1998	67.4	67.8	56.8	50.0	–	52.3	76.7	76.1	61.3	54.4	–	57.5
April 1997	88.8	88.5	79.9	77.9	–	78.6	96.2	95.7	85.4	82.3	–	83.6
Montana												
April 1998	74.4	74.4	58.7	55.9	–	56.3	81.7	81.7	NA	60.9	–	61.4
March 1998	73.7	73.6	58.9	53.6	–	54.2	80.3	80.3	67.7	58.9	–	59.6
April 1997	89.3	89.6	NA	74.2	–	74.9	97.4	97.6	84.6	79.9	–	80.4
Utah												
April 1998	63.8	63.3	57.8	56.2	–	56.8	72.0	71.5	62.8	61.9	–	62.4
March 1998	61.1	60.7	52.3	49.5	–	50.5	69.0	68.0	60.0	55.0	–	57.6
April 1997	88.0	87.5	81.3	79.1	–	79.9	95.5	94.7	85.6	84.3	–	84.9
Wyoming												
April 1998	73.2	72.6	NA	55.0	–	55.8	82.7	81.5	67.8	61.2	–	63.9
March 1998	71.9	69.9	57.0	51.3	–	52.0	80.7	79.7	63.0	55.5	–	58.3
April 1997	89.9	88.7	80.2	71.7	–	72.9	97.6	95.5	86.3	82.8	–	84.7
PAD District V												
April 1998	68.3	68.1	60.2	57.4	57.5	58.9	76.2	76.0	66.0	63.3	W	65.4
March 1998	65.0	64.6	56.9	51.3	50.7	54.2	73.5	73.2	62.6	56.5	W	61.2
April 1997	92.2	91.5	84.8	76.4	72.7	80.2	99.0	98.9	90.1	83.6	W	88.7
Alaska												
April 1998	101.4	101.4	82.2	66.8	W	NA	103.4	101.9	84.2	W	–	82.5
March 1998	101.8	101.7	83.0	70.4	W	73.2	103.7	101.5	NA	W	–	NA
April 1997	113.3	NA	99.6	84.7	–	92.3	115.3	114.7	108.6	88.7	–	103.8
Arizona												
April 1998	75.6	75.0	64.0	59.1	53.5	61.8	84.2	84.1	70.0	64.2	–	68.7
March 1998	71.3	70.8	59.8	52.4	45.7	56.6	80.8	80.6	66.0	59.3	–	64.5
April 1997	98.7	97.1	86.0	75.6	72.8	80.0	106.0	105.4	91.6	83.7	–	89.8
California												
April 1998	66.0	65.8	60.1	59.7	60.1	60.0	74.0	74.1	65.5	65.2	W	65.4
March 1998	62.2	61.8	56.3	52.6	52.2	54.6	70.9	70.8	61.7	57.1	W	60.8
April 1997	89.8	89.4	85.6	77.6	73.1	81.1	97.9	97.8	90.4	83.9	W	89.3
Hawaii												
April 1998	108.1	95.5	95.4	83.3	–	93.5	115.0	107.2	99.8	W	–	99.3
March 1998	109.5	95.5	96.5	84.5	–	94.9	116.2	107.0	101.0	W	–	100.7
April 1997	109.1	103.1	101.4	86.0	–	99.6	114.8	111.0	105.6	W	–	105.3
Nevada												
April 1998	67.6	66.9	50.9	56.8	56.7	54.5	78.7	77.5	59.6	61.5	–	60.3
March 1998	65.9	65.4	53.5	52.9	49.7	53.0	79.6	79.4	61.0	56.1	–	59.8
April 1997	93.5	92.7	80.2	79.2	W	79.2	103.0	102.4	85.6	86.5	–	85.9
Oregon												
April 1998	65.0	65.4	55.6	53.3	48.5	53.7	76.1	75.0	62.5	59.5	–	61.1
March 1998	63.0	62.7	51.1	46.9	43.7	48.2	73.8	72.2	58.1	53.5	–	55.9
April 1997	91.7	91.1	80.9	75.9	70.0	76.9	100.4	99.6	87.6	83.3	–	85.5
Washington												
April 1998	62.6	63.3	58.1	53.4	48.5	55.5	73.9	73.8	64.5	59.3	–	62.8
March 1998	60.8	61.2	55.0	48.4	43.0	51.4	73.0	72.4	62.0	54.9	–	59.6
April 1997	88.1	88.2	80.4	72.9	66.2	76.8	95.4	95.1	87.0	82.4	–	85.2

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	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Idaho												
April 1998	82.5	81.8	69.4	65.7	–	67.2	69.2	69.5	61.2	57.4	–	58.8
March 1998	84.2	83.0	67.4	59.9	–	62.8	70.1	70.1	58.8	51.6	–	54.2
April 1997	102.7	102.2	90.2	87.9	–	88.9	91.0	90.4	81.8	79.3	–	80.2
Montana												
April 1998	85.8	85.4	68.9	67.0	–	67.2	76.7	76.5	60.6	57.9	–	58.3
March 1998	84.3	84.3	66.9	65.1	–	65.3	75.9	75.6	60.6	55.8	–	56.4
April 1997	100.7	100.7	87.5	86.3	–	86.4	91.7	91.8	80.3	77.0	–	77.4
Utah												
April 1998	80.6	79.3	66.6	65.8	–	66.2	68.2	67.5	60.8	58.8	–	59.6
March 1998	77.9	76.2	63.1	59.2	–	60.9	65.5	64.7	56.4	52.2	–	53.9
April 1997	104.9	104.6	88.7	89.0	–	88.9	92.3	91.6	83.7	81.7	–	82.5
Wyoming												
April 1998	86.9	85.3	NA	64.3	–	65.5	76.5	75.7	NA	56.7	–	57.7
March 1998	84.0	82.1	67.3	60.9	–	61.9	74.8	72.7	59.6	53.1	–	54.0
April 1997	103.6	100.6	92.1	82.2	–	84.1	92.4	90.8	82.9	73.5	–	74.9
PAD District V												
April 1998	86.6	86.2	74.4	70.0	61.8	71.9	72.0	71.7	63.6	59.5	58.0	61.6
March 1998	83.6	83.1	70.8	63.3	54.4	67.9	68.9	68.4	60.3	53.2	51.1	57.1
April 1997	109.0	108.3	99.3	89.0	76.2	94.9	95.3	94.7	88.0	78.4	73.0	83.2
Alaska												
April 1998	NA	NA	93.0	75.4	–	82.9	103.1	103.0	83.4	67.9	W	NA
March 1998	111.6	111.6	93.1	81.1	–	86.7	103.5	103.3	84.2	71.7	W	74.9
April 1997	125.2	124.5	111.6	96.2	–	104.4	114.8	114.1	101.3	85.9	–	94.0
Arizona												
April 1998	94.5	94.3	77.3	70.9	W	75.5	79.1	78.4	66.6	60.9	54.7	64.3
March 1998	91.0	90.7	72.6	64.4	–	70.3	75.0	74.5	62.4	54.4	45.7	59.2
April 1997	115.3	114.2	99.2	89.2	76.2	92.6	101.4	99.9	88.3	77.0	73.2	82.2
California												
April 1998	83.5	83.4	73.8	71.5	65.1	72.5	70.1	69.8	63.7	61.7	60.7	62.7
March 1998	79.9	79.6	69.7	63.4	55.6	67.6	66.4	66.0	59.9	54.4	52.5	57.5
April 1997	106.7	106.3	99.7	89.7	76.0	96.0	93.6	93.2	88.9	79.6	73.3	84.3
Hawaii												
April 1998	125.5	112.3	107.0	95.3	–	105.7	112.9	100.5	99.2	86.1	–	97.5
March 1998	125.4	111.5	108.1	96.5	–	107.0	113.9	100.3	100.3	87.4	–	98.9
April 1997	125.8	118.1	113.1	97.8	–	111.8	113.6	107.3	105.3	89.4	–	103.8
Nevada												
April 1998	84.0	83.9	64.7	68.6	W	66.7	71.2	70.4	54.3	58.7	57.5	56.8
March 1998	83.1	83.0	68.1	62.7	W	65.2	69.5	68.9	57.0	54.4	50.1	55.5
April 1997	112.0	111.7	94.0	89.8	W	91.6	96.5	95.6	83.3	81.2	W	81.8
Oregon												
April 1998	83.8	82.7	70.5	67.5	NA	65.2	67.8	67.9	57.9	55.1	49.6	55.5
March 1998	82.2	80.8	66.0	61.1	NA	62.0	65.8	65.2	53.5	48.8	45.4	50.3
April 1997	109.2	108.2	95.0	89.8	W	88.9	93.9	93.2	82.9	77.7	71.4	78.7
Washington												
April 1998	83.9	84.3	71.8	66.5	55.0	67.4	66.6	67.2	60.7	55.5	50.4	57.9
March 1998	83.1	82.9	69.3	61.8	NA	64.9	65.0	65.3	57.9	50.6	44.3	54.0
April 1997	106.5	106.4	95.0	85.8	75.5	90.8	91.2	91.2	83.2	75.3	68.2	79.4

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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.
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 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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	62.7	62.6	56.1	51.1	47.0	51.4	71.2	70.8	61.8	55.1	–	57.7
March 1998	61.4	61.3	53.9	48.0	45.4	49.0	69.9	69.5	59.8	51.9	–	55.0
April 1997	79.0	78.8	72.6	65.3	60.8	66.3	87.3	87.0	77.9	69.3	–	72.8
PAD District I												
April 1998	59.7	59.6	54.1	49.9	47.1	51.0	69.1	68.8	60.1	54.0	–	56.5
March 1998	58.7	58.5	52.0	47.0	45.0	48.3	68.2	68.0	58.1	51.1	–	53.8
April 1997	76.9	76.6	70.8	62.9	60.0	64.9	86.2	86.1	76.4	67.3	–	70.9
Subdistrict IA												
April 1998	67.5	67.3	60.5	54.3	W	56.8	77.3	76.8	67.3	58.9	–	63.0
March 1998	67.1	66.9	59.1	51.6	W	53.0	77.2	76.6	66.6	56.1	–	61.1
April 1997	85.9	85.6	76.8	66.4	W	70.7	95.6	94.8	83.3	70.6	–	76.7
Connecticut												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	W	W	–	–	–	–	–	–
April 1997	–	–	–	–	W	W	–	–	–	–	–	–
Maine												
April 1998	70.1	70.0	60.6	54.9	W	56.0	79.6	79.0	67.4	59.1	–	61.6
March 1998	70.4	70.1	59.4	52.4	W	52.4	80.1	79.2	66.5	56.6	–	59.5
April 1997	86.8	86.6	75.9	66.7	–	69.4	96.7	96.1	82.5	70.9	–	74.7
Massachusetts												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	W	W	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
New Hampshire												
April 1998	NA	NA	59.7	54.4	–	57.8	NA	NA	64.5	NA	–	64.5
March 1998	63.6	63.5	57.8	52.4	–	56.0	74.0	73.7	62.7	NA	–	62.3
April 1997	84.7	84.3	75.4	66.7	–	73.2	94.0	93.1	79.0	69.7	–	77.5
Rhode Island												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
Vermont												
April 1998	64.9	65.1	60.6	51.2	–	58.1	74.4	73.7	67.9	56.0	–	65.1
March 1998	63.9	64.0	59.2	48.0	–	56.1	73.6	73.2	67.6	52.1	–	63.6
April 1997	84.9	84.7	77.9	64.6	–	74.1	94.3	93.2	85.1	68.7	–	81.1
Subdistrict IB												
April 1998	59.7	59.8	53.4	50.6	46.9	50.8	67.6	67.4	58.4	54.7	–	56.3
March 1998	58.1	58.2	50.9	47.8	44.2	48.0	66.5	66.4	56.1	52.0	–	53.7
April 1997	77.1	77.0	69.7	63.2	59.6	64.1	85.2	84.9	74.7	67.4	–	70.4
Delaware												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
District of Columbia												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
Maryland												
April 1998	63.2	63.0	54.0	51.1	–	51.9	71.9	71.6	62.3	55.5	–	56.8
March 1998	63.2	62.9	52.7	47.4	–	48.6	71.8	71.2	61.3	51.6	–	53.1
April 1997	79.7	79.3	69.8	63.0	W	64.8	88.0	87.2	74.3	68.0	–	69.1
New Jersey												
April 1998	–	–	–	–	47.0	47.0	–	–	–	–	–	–
March 1998	–	–	–	–	43.9	43.9	–	–	–	–	–	–
April 1997	–	–	–	–	59.2	59.2	–	–	–	–	–	–
New York												
April 1998	61.5	61.3	54.5	50.6	NA	51.6	70.3	69.1	58.6	54.3	–	56.4
March 1998	60.3	60.0	52.2	48.2	47.0	49.3	69.4	68.5	56.7	51.8	–	54.0
April 1997	78.6	78.1	69.7	63.5	61.7	65.4	86.9	85.8	73.8	67.8	–	70.6
Pennsylvania												
April 1998	58.5	58.7	52.8	50.5	46.7	50.8	66.5	66.6	58.2	54.7	–	56.3
March 1998	56.7	56.9	50.0	47.7	43.8	47.9	65.3	65.5	55.7	52.1	–	53.7
April 1997	76.1	76.2	69.7	62.9	59.8	64.5	84.5	84.5	74.9	67.2	–	70.5

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	79.3	78.6	67.9	60.3	50.6	61.7	66.2	66.0	58.9	52.9	47.3	53.5
March 1998	78.0	77.3	65.6	56.9	47.5	59.1	65.0	64.8	56.7	49.7	45.5	51.0
April 1997	95.3	94.5	84.6	74.5	64.9	77.0	82.4	82.1	75.3	67.0	61.1	68.5
PAD District I												
April 1998	77.8	77.1	66.1	59.4	50.9	61.3	64.4	64.2	57.5	52.1	47.8	53.6
March 1998	76.8	76.0	63.6	56.2	47.6	58.5	63.4	63.2	55.4	49.2	45.3	50.9
April 1997	94.5	93.5	83.4	72.9	63.9	76.0	81.4	81.0	74.3	65.2	60.6	67.7
Subdistrict IA												
April 1998	86.4	86.0	73.5	63.1	–	68.9	70.9	70.6	63.2	55.7	W	58.9
March 1998	86.0	85.5	71.3	60.4	–	66.3	70.6	70.3	61.8	53.1	W	54.9
April 1997	103.6	103.2	88.3	76.0	W	80.5	89.1	88.8	79.1	67.8	W	72.6
Connecticut												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	W	W
April 1997	–	–	–	–	–	–	–	–	–	–	W	W
Maine												
April 1998	89.9	89.3	73.8	63.4	–	66.6	73.4	73.2	62.8	56.2	W	57.6
March 1998	90.1	89.5	69.9	60.9	–	63.5	73.8	73.5	61.3	53.8	W	54.0
April 1997	105.4	105.0	89.0	76.5	–	80.5	90.2	89.9	78.1	68.1	–	71.1
Massachusetts												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	W	W
April 1997	–	–	–	–	W	W	–	–	–	–	W	W
New Hampshire												
April 1998	NA	NA	72.2	NA	–	71.0	NA	NA	62.0	56.2	–	60.1
March 1998	83.8	83.8	70.4	64.1	–	69.0	67.2	67.0	60.2	54.3	–	58.4
April 1997	102.5	102.5	87.3	76.7	–	85.3	87.9	87.5	77.5	68.0	–	75.3
Rhode Island												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
Vermont												
April 1998	82.8	82.4	73.6	60.7	–	71.3	68.3	68.2	63.7	52.8	–	61.0
March 1998	81.8	81.5	72.0	57.4	–	69.0	67.4	67.3	62.5	49.7	–	59.1
April 1997	101.4	101.0	88.2	74.3	–	84.6	88.0	87.7	80.3	66.4	–	76.4
Subdistrict IB												
April 1998	76.4	75.8	64.1	59.6	50.5	59.1	63.0	63.0	55.6	52.2	47.6	52.5
March 1998	75.3	74.7	61.8	56.7	47.5	56.8	61.7	61.6	53.2	49.5	44.6	49.7
April 1997	92.8	92.2	81.2	72.9	64.4	73.9	80.4	80.2	72.1	65.0	60.3	66.1
Delaware												
April 1998	–	–	–	W	–	W	–	–	–	W	–	W
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
District of Columbia												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
Maryland												
April 1998	78.8	78.1	63.2	61.7	–	62.0	67.4	67.2	56.2	53.4	–	54.1
March 1998	78.6	77.5	61.2	56.9	–	57.9	67.4	67.0	54.8	49.5	–	50.7
April 1997	94.7	93.8	79.3	73.4	–	74.5	83.6	83.1	71.6	65.5	W	66.9
New Jersey												
April 1998	–	–	–	–	50.6	50.6	–	–	–	–	47.4	47.4
March 1998	–	–	–	–	46.5	46.5	–	–	–	–	44.1	44.1
April 1997	–	–	–	–	64.6	64.6	–	–	–	–	60.1	60.1
New York												
April 1998	77.8	76.2	65.0	60.0	–	61.8	64.3	63.8	56.4	51.9	NA	53.2
March 1998	77.0	75.5	62.9	57.6	W	58.5	63.2	62.7	54.2	49.6	47.9	50.9
April 1997	94.4	92.6	80.7	73.1	W	75.9	81.2	80.5	71.7	64.9	61.9	67.1
Pennsylvania												
April 1998	75.6	75.4	63.7	59.2	50.5	58.6	62.1	62.3	55.2	52.3	47.9	52.7
March 1998	74.3	74.2	61.3	56.2	46.7	56.5	60.6	60.7	52.6	49.4	44.3	49.8
April 1997	92.1	92.0	81.6	72.8	63.5	75.0	79.7	79.8	72.4	65.0	60.2	66.8

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Subdistrict IC												
April 1998	59.4	59.2	54.0	49.6	NA	50.9	69.3	69.0	60.3	53.8	–	56.4
March 1998	58.5	58.3	52.0	46.5	46.2	48.2	68.5	68.1	58.3	50.8	–	53.7
April 1997	76.5	76.1	70.9	62.7	61.1	65.0	86.3	86.1	76.6	67.3	–	70.9
Florida												
April 1998	61.4	60.8	51.6	49.4	W	50.1	71.6	70.8	59.6	53.4	–	56.0
March 1998	60.4	59.9	51.4	46.6	W	48.0	70.9	70.2	58.0	50.7	–	53.7
April 1997	79.5	78.5	74.0	63.3	W	66.3	89.8	89.2	80.9	67.7	–	73.2
Georgia												
April 1998	56.5	56.9	54.2	49.3	–	50.8	66.1	66.7	58.6	54.2	–	56.2
March 1998	55.5	55.8	52.4	46.3	–	48.2	65.0	65.5	56.7	51.0	–	53.6
April 1997	72.2	72.3	65.4	62.0	W	63.0	82.2	82.4	69.9	67.5	–	68.5
North Carolina												
April 1998	57.9	57.7	55.1	49.8	–	51.2	68.0	67.5	62.4	54.4	–	56.9
March 1998	57.3	57.0	52.7	46.8	W	48.3	67.5	66.9	60.5	51.2	–	54.0
April 1997	76.0	75.5	71.9	62.7	61.1	65.1	85.3	85.1	77.7	67.2	–	70.6
South Carolina												
April 1998	57.6	57.9	52.1	49.8	–	50.3	67.9	67.7	57.3	54.6	–	55.4
March 1998	56.6	56.6	49.1	46.7	–	47.3	66.7	66.5	53.9	51.4	–	52.2
April 1997	73.6	73.8	76.0	62.7	61.3	65.7	84.1	84.0	78.0	67.6	–	71.4
Virginia												
April 1998	61.7	61.7	55.0	49.1	NA	50.9	71.5	71.2	63.4	51.8	–	55.7
March 1998	61.0	60.7	51.5	45.9	44.6	48.0	70.5	69.9	60.7	48.9	–	53.3
April 1997	77.7	77.4	67.7	62.1	W	63.5	87.2	86.8	72.4	65.3	–	67.8
West Virginia												
April 1998	64.1	63.9	58.9	52.3	–	56.5	73.1	72.9	65.0	56.4	–	61.8
March 1998	62.8	62.5	56.1	48.7	–	53.4	71.8	71.5	63.3	52.6	–	58.8
April 1997	82.1	81.8	72.7	64.6	–	69.3	91.2	90.9	77.4	68.9	–	74.3
PAD District II												
April 1998	63.6	63.6	56.7	51.9	49.2	52.8	71.5	71.3	62.4	56.4	–	58.8
March 1998	61.7	61.7	54.1	48.6	47.4	49.9	69.3	69.2	60.0	52.9	–	55.8
April 1997	76.9	77.0	69.5	65.1	61.6	65.8	84.6	84.5	74.7	69.5	–	71.7
Illinois												
April 1998	63.8	64.2	59.8	51.3	48.5	51.5	67.8	68.3	61.6	55.5	–	57.1
March 1998	62.1	62.4	57.1	47.5	46.2	48.0	65.0	65.4	58.4	51.0	–	52.9
April 1997	76.7	77.1	71.0	65.6	61.3	65.5	83.8	84.3	72.2	70.2	–	70.8
Indiana												
April 1998	64.5	64.4	56.2	50.7	49.9	52.4	72.3	71.9	61.8	54.5	–	58.0
March 1998	61.4	61.4	53.2	47.1	48.4	49.4	69.2	69.1	58.7	50.8	–	54.7
April 1997	76.9	76.8	68.4	64.0	62.6	65.3	84.7	84.6	73.6	68.0	–	70.6
Iowa												
April 1998	63.3	63.7	57.4	53.6	–	54.0	68.9	69.2	61.3	59.8	–	60.2
March 1998	63.1	63.4	55.6	51.5	–	52.0	69.0	69.2	60.1	NA	–	57.7
April 1997	76.8	77.2	69.2	65.9	W	66.3	81.9	81.7	72.0	71.2	–	71.4
Kansas												
April 1998	62.4	62.2	56.7	52.2	49.1	52.3	68.8	68.8	NA	56.7	–	58.1
March 1998	62.1	61.9	56.5	49.9	47.8	50.5	67.9	67.9	57.6	54.4	–	55.9
April 1997	77.1	77.3	68.1	64.3	61.0	64.3	83.1	83.1	72.1	68.5	–	70.6
Kentucky												
April 1998	64.4	64.0	56.2	51.6	W	52.9	73.6	72.9	61.8	56.4	–	58.3
March 1998	61.4	61.0	53.2	47.5	–	49.1	70.0	69.5	59.2	51.6	–	54.4
April 1997	81.6	80.5	70.0	65.7	–	67.0	90.5	89.4	77.1	70.5	–	73.2
Michigan												
April 1998	63.4	63.3	54.9	52.2	NA	53.3	72.8	72.7	60.1	55.3	–	58.9
March 1998	61.5	61.4	52.2	48.1	–	49.8	69.9	69.8	57.7	50.5	–	55.9
April 1997	74.3	74.5	66.8	65.9	W	66.2	82.8	82.8	71.3	68.1	–	70.5
Minnesota												
April 1998	–	64.3	–	53.5	49.8	52.6	–	–	–	59.0	–	59.0
March 1998	–	61.7	–	51.2	W	50.2	–	–	–	56.9	–	56.9
April 1997	84.5	83.9	75.2	66.9	66.2	68.5	88.9	88.6	82.0	72.4	–	77.6
Missouri												
April 1998	61.1	61.5	58.6	51.8	–	53.9	69.2	69.3	NA	56.2	–	59.6
March 1998	58.0	58.5	55.4	48.9	–	51.2	66.2	66.3	59.8	52.9	–	56.9
April 1997	74.4	74.5	70.9	64.7	W	66.9	81.6	82.4	74.6	70.0	–	73.0

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Subdistrict IC												
April 1998	77.9	77.2	66.3	59.3	W	61.7	64.6	64.4	57.8	52.0	49.3	53.9
March 1998	76.9	76.1	63.7	56.1	W	58.8	63.7	63.4	55.8	49.0	46.5	51.2
April 1997	94.7	93.6	83.7	72.9	62.8	76.5	81.4	81.0	74.9	65.2	61.5	68.1
Florida												
April 1998	79.1	78.0	66.2	59.1	W	62.2	66.6	66.0	57.5	51.9	W	53.9
March 1998	78.4	77.3	64.4	56.2	–	59.9	65.7	65.2	56.6	49.1	W	51.7
April 1997	97.3	95.4	88.3	73.5	W	80.1	84.5	83.5	79.7	65.8	W	70.5
Georgia												
April 1998	74.9	74.9	65.5	59.1	–	61.4	61.5	62.0	57.2	51.8	–	53.6
March 1998	73.4	73.4	63.5	55.6	–	58.4	60.4	60.9	55.6	48.6	–	50.9
April 1997	91.2	91.3	76.7	72.4	W	73.0	77.2	77.6	68.6	64.6	W	65.8
North Carolina												
April 1998	77.8	77.2	68.0	60.1	–	62.1	63.7	63.3	58.8	52.5	–	54.2
March 1998	76.9	76.2	65.0	56.6	–	58.7	63.1	62.6	56.4	49.4	W	51.2
April 1997	94.2	92.9	83.1	73.1	63.8	76.0	81.1	80.5	75.2	65.4	61.3	68.0
South Carolina												
April 1998	76.9	76.5	63.2	60.0	–	60.8	62.7	62.8	54.9	52.3	–	52.9
March 1998	75.2	74.8	59.8	56.6	–	57.4	61.6	61.5	51.8	49.2	–	49.8
April 1997	92.8	92.2	85.5	73.3	–	76.3	78.4	78.5	77.9	65.2	61.3	68.3
Virginia												
April 1998	79.5	78.5	65.5	57.5	W	60.3	66.7	66.6	58.1	51.1	NA	53.3
March 1998	78.8	77.3	60.7	54.4	W	56.7	65.9	65.5	54.5	47.9	45.5	50.4
April 1997	95.4	94.4	79.1	71.2	W	73.6	82.4	82.0	70.7	64.2	59.0	65.9
West Virginia												
April 1998	81.8	81.2	71.4	62.1	–	67.7	67.8	67.6	61.5	54.4	–	58.8
March 1998	79.9	79.3	69.0	57.8	–	64.6	66.6	66.3	58.9	50.7	–	55.8
April 1997	97.8	97.2	83.8	74.4	–	79.9	85.9	85.6	75.1	66.6	–	71.5
PAD District II												
April 1998	78.8	78.3	68.4	60.8	52.4	62.9	66.3	66.2	59.0	53.3	49.3	54.5
March 1998	76.5	76.0	65.8	57.0	48.5	59.5	64.4	64.3	56.5	50.0	47.4	51.5
April 1997	91.6	91.3	80.9	73.6	65.1	75.8	79.5	79.4	71.7	66.4	61.7	67.5
Illinois												
April 1998	78.0	77.9	68.2	61.4	54.4	61.7	65.6	66.0	60.9	52.7	48.7	52.8
March 1998	74.8	74.8	66.5	56.8	W	56.7	63.7	64.0	58.3	48.8	46.1	49.1
April 1997	92.8	92.7	80.8	75.3	W	75.7	78.9	79.3	72.3	66.9	61.3	66.8
Indiana												
April 1998	79.0	78.6	67.6	60.2	NA	63.2	67.6	67.5	58.6	52.4	49.9	54.3
March 1998	75.5	75.3	64.4	56.4	–	59.8	64.6	64.6	55.6	48.7	48.4	51.3
April 1997	91.0	90.7	79.5	73.5	–	75.9	79.9	79.8	70.6	65.8	62.6	67.1
Iowa												
April 1998	72.3	72.4	65.3	61.5	–	62.2	64.5	64.8	59.1	54.9	–	55.5
March 1998	71.9	71.9	63.9	59.1	–	59.9	64.3	64.6	57.6	52.9	–	53.5
April 1997	86.8	86.9	76.7	73.7	–	74.2	78.0	78.3	70.6	66.9	W	67.4
Kansas												
April 1998	75.2	74.9	64.8	59.4	W	60.4	63.8	63.6	57.7	52.9	49.1	53.1
March 1998	73.9	73.5	62.9	57.0	W	58.1	63.5	63.2	57.2	50.6	47.8	51.2
April 1997	90.3	90.0	76.3	71.2	W	71.8	78.5	78.5	69.3	64.9	61.1	65.0
Kentucky												
April 1998	82.7	81.2	67.3	61.3	–	63.0	68.4	67.8	58.8	53.8	W	55.2
March 1998	78.9	77.7	64.0	56.8	–	58.9	65.4	64.9	55.9	49.6	–	51.4
April 1997	99.2	97.4	81.9	75.1	–	77.2	85.4	84.2	72.9	67.7	–	69.3
Michigan												
April 1998	78.2	77.5	67.0	61.7	W	64.0	65.8	65.6	57.0	53.5	W	55.0
March 1998	76.1	75.5	64.3	56.9	–	60.2	63.8	63.6	54.5	49.4	–	51.6
April 1997	88.2	88.1	78.4	74.0	–	76.2	76.7	76.8	68.9	66.8	W	67.7
Minnesota												
April 1998	84.9	84.9	68.7	62.7	W	62.3	84.9	81.6	68.7	55.0	50.5	54.1
March 1998	83.4	83.4	67.2	60.6	W	59.6	83.4	80.9	67.2	52.6	W	51.5
April 1997	92.2	91.5	86.7	76.2	W	79.2	85.2	84.5	77.0	67.6	66.5	69.7
Missouri												
April 1998	78.0	78.0	68.9	60.0	W	63.6	63.5	63.8	60.5	52.9	W	55.5
March 1998	74.8	74.8	67.2	56.9	–	61.2	60.4	60.8	57.3	49.9	–	52.7
April 1997	89.8	89.7	81.8	72.6	–	76.6	76.4	76.6	72.8	65.7	W	68.3

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Nebraska												
April 1998	64.2	64.8	56.6	53.6	–	54.0	70.0	69.5	61.9	59.3	–	59.9
March 1998	64.1	64.5	55.6	51.1	–	51.8	69.3	68.7	61.3	NA	–	58.3
April 1997	77.7	78.5	69.2	66.2	W	66.6	82.4	82.3	73.1	76.5	–	75.6
North Dakota												
April 1998	75.4	74.5	58.8	54.0	–	54.8	80.4	78.3	NA	61.3	–	62.2
March 1998	71.3	71.1	55.1	51.1	–	51.8	77.9	76.7	63.0	59.3	–	60.4
April 1997	88.2	88.1	72.6	67.7	–	68.5	92.9	93.4	77.4	74.1	–	76.0
Ohio												
April 1998	65.9	65.6	57.8	52.1	W	54.4	74.5	74.0	65.0	55.3	–	61.0
March 1998	63.8	63.5	54.9	47.9	46.5	50.8	72.2	71.9	62.0	50.7	–	57.1
April 1997	77.4	77.3	70.3	65.2	63.2	67.3	85.6	85.3	76.3	68.7	–	73.4
Oklahoma												
April 1998	59.7	59.8	53.6	51.0	49.5	50.6	65.9	65.9	59.2	53.4	–	57.2
March 1998	59.2	59.2	53.0	49.3	47.8	49.1	65.3	65.4	58.9	50.6	–	56.4
April 1997	73.2	73.1	67.8	63.4	60.9	62.6	79.3	78.8	71.1	66.6	–	69.0
South Dakota												
April 1998	71.3	71.5	60.3	54.6	–	55.9	71.7	71.7	NA	NA	–	NA
March 1998	70.3	70.6	57.8	51.8	–	53.2	71.5	71.5	60.8	56.4	–	57.2
April 1997	85.4	85.4	NA	68.4	–	69.7	89.9	90.2	NA	NA	–	NA
Tennessee												
April 1998	60.0	59.8	57.6	50.2	–	51.4	69.8	69.6	65.7	54.8	–	57.5
March 1998	59.4	59.0	55.7	47.1	–	48.5	69.0	68.8	63.9	51.5	–	54.6
April 1997	76.9	76.7	71.6	63.3	W	64.7	86.7	86.6	79.4	68.0	–	70.6
Wisconsin												
April 1998	65.5	65.4	56.5	51.7	–	52.2	72.7	72.6	NA	56.7	–	58.0
March 1998	62.6	62.4	52.6	48.1	–	48.6	69.8	69.7	59.3	53.1	–	54.2
April 1997	78.1	77.9	69.8	64.6	–	65.2	85.0	85.1	73.2	69.5	–	70.2
PAD District III												
April 1998	61.1	60.9	55.6	49.4	46.4	48.5	70.5	70.1	61.0	53.2	–	55.5
March 1998	61.2	60.9	54.7	47.2	44.8	47.1	70.8	70.2	60.3	50.8	–	53.6
April 1997	77.6	76.7	71.2	64.0	59.8	63.3	86.8	86.0	76.5	67.8	–	70.2
Alabama												
April 1998	63.2	62.8	55.5	49.5	–	51.3	71.6	71.0	60.4	54.1	–	56.5
March 1998	64.1	63.7	54.5	46.6	–	49.0	72.4	71.6	59.7	51.2	–	54.5
April 1997	79.7	79.1	69.7	62.6	W	64.6	89.6	88.9	75.9	67.5	–	70.6
Arkansas												
April 1998	60.2	60.1	56.7	50.4	46.9	51.2	69.5	68.8	60.7	53.9	–	55.5
March 1998	59.5	59.4	55.9	47.7	W	48.7	69.3	68.5	59.0	50.9	–	52.9
April 1997	75.8	75.3	69.6	63.9	58.7	64.5	85.2	84.3	75.1	67.8	–	69.6
Louisiana												
April 1998	60.8	60.1	58.1	48.0	46.3	49.0	71.7	70.9	63.9	52.3	–	56.1
March 1998	61.5	60.7	58.5	45.8	44.6	47.2	72.4	70.9	64.3	50.1	–	54.9
April 1997	77.4	76.7	74.3	62.6	59.1	63.7	87.7	86.7	80.1	67.4	–	71.2
Mississippi												
April 1998	64.3	63.6	58.3	48.9	46.2	50.1	72.8	72.4	64.1	53.2	–	57.2
March 1998	64.1	63.2	57.3	46.2	43.8	48.2	73.2	72.8	63.4	50.5	–	55.1
April 1997	80.8	79.9	71.7	62.4	60.1	63.6	89.8	89.3	76.8	66.8	–	70.0
New Mexico												
April 1998	69.4	69.0	57.5	54.2	–	54.7	78.3	77.8	63.2	58.4	–	59.0
March 1998	69.2	68.8	56.0	52.5	–	53.0	78.5	78.1	62.6	56.9	–	57.6
April 1997	83.6	83.0	76.7	72.2	–	73.5	90.9	90.7	77.3	76.3	–	76.6
Texas												
April 1998	59.0	59.2	53.3	49.0	46.4	47.4	68.0	67.8	57.4	52.4	–	53.5
March 1998	59.0	59.1	51.8	47.3	44.8	46.2	68.0	67.8	55.8	50.3	–	51.5
April 1997	75.9	74.9	69.6	64.1	59.8	62.0	83.9	83.4	73.7	67.5	–	68.6
PAD District IV												
April 1998	66.9	66.8	57.9	55.0	W	55.7	76.1	75.6	62.3	59.8	–	60.9
March 1998	65.7	65.5	54.3	50.7	W	51.6	74.1	73.5	59.4	54.8	–	56.8
April 1997	87.3	86.8	78.5	72.4	W	73.9	96.9	96.1	84.6	78.2	–	80.9
Colorado												
April 1998	66.1	65.9	55.7	53.1	W	53.5	77.3	76.7	60.1	56.9	–	58.2
March 1998	65.2	64.9	52.8	49.8	W	50.3	75.5	75.1	57.0	53.4	–	54.9
April 1997	86.2	85.4	73.9	64.9	W	66.8	97.6	96.8	82.7	68.8	–	74.4

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Nebraska												
April 1998	76.8	76.5	67.8	61.5	–	62.6	65.8	66.0	58.4	54.6	–	55.2
March 1998	76.6	76.2	66.7	59.1	–	60.6	65.6	65.7	57.6	52.4	–	53.2
April 1997	91.2	91.1	78.1	74.6	–	75.4	79.2	79.6	70.7	67.7	W	68.2
North Dakota												
April 1998	81.7	80.8	69.3	63.0	–	64.8	76.2	75.2	60.2	54.7	–	55.7
March 1998	77.8	77.1	66.5	59.9	–	61.9	72.4	72.1	56.8	51.9	–	52.9
April 1997	95.4	94.9	82.1	76.2	–	77.9	89.0	88.9	73.8	68.2	–	69.2
Ohio												
April 1998	82.4	81.6	71.2	62.0	W	65.6	69.2	68.8	60.8	53.6	48.3	56.6
March 1998	79.8	79.1	67.7	57.1	W	62.5	67.1	66.8	57.8	49.3	46.7	53.1
April 1997	93.4	92.9	82.5	74.5	64.7	78.2	80.7	80.5	73.0	66.6	63.5	69.5
Oklahoma												
April 1998	72.1	71.6	60.9	58.4	NA	58.0	62.2	62.1	54.7	52.2	49.5	51.3
March 1998	71.3	70.7	60.0	56.1	49.6	55.7	61.6	61.4	54.1	50.4	47.8	49.8
April 1997	85.4	85.2	74.4	70.5	65.1	70.1	75.5	75.3	68.8	64.5	61.1	63.4
South Dakota												
April 1998	83.3	83.3	66.8	62.9	–	64.0	71.8	71.9	60.8	55.4	–	56.7
March 1998	81.0	81.0	63.5	59.8	–	61.1	71.0	71.2	58.6	52.7	–	54.2
April 1997	95.7	95.8	NA	77.8	–	78.5	86.9	86.8	NA	69.1	–	70.3
Tennessee												
April 1998	78.9	78.5	71.2	60.4	–	62.2	65.2	64.9	61.6	52.8	–	54.4
March 1998	77.5	77.0	69.4	56.5	–	58.5	64.5	64.1	59.8	49.6	–	51.4
April 1997	95.2	94.7	85.7	73.5	–	75.6	81.8	81.6	75.6	66.0	W	67.7
Wisconsin												
April 1998	77.8	77.4	67.4	61.1	–	61.8	67.2	67.1	58.1	52.8	–	53.4
March 1998	74.1	73.7	64.1	57.0	–	57.8	64.3	64.1	54.3	49.2	–	49.8
April 1997	89.9	89.9	79.3	73.1	–	73.9	79.8	79.7	71.0	65.6	–	66.3
PAD District III												
April 1998	78.5	77.8	67.0	58.8	49.6	58.0	65.0	64.7	58.4	51.4	46.6	50.1
March 1998	78.9	78.1	66.3	56.3	46.4	56.8	65.3	64.8	57.5	49.1	44.9	48.8
April 1997	94.9	93.7	83.1	73.3	63.1	73.4	81.5	80.5	74.0	65.8	60.0	65.1
Alabama												
April 1998	79.9	79.1	67.0	59.7	–	61.9	67.7	67.3	58.6	52.2	–	54.2
March 1998	80.6	79.7	66.7	56.7	–	59.7	68.5	68.0	57.8	49.3	–	51.9
April 1997	97.4	96.4	83.3	73.1	–	76.0	84.4	83.8	73.4	65.3	W	67.7
Arkansas												
April 1998	78.0	76.5	67.6	59.7	W	59.8	63.5	63.1	59.1	52.3	47.5	53.0
March 1998	77.2	75.9	66.0	56.7	W	56.9	63.0	62.5	58.1	49.4	W	50.4
April 1997	94.0	91.8	79.4	73.2	W	73.8	79.1	78.7	71.6	65.8	58.8	66.4
Louisiana												
April 1998	80.0	78.1	70.8	57.5	49.8	58.8	66.2	65.3	61.8	50.5	46.8	51.5
March 1998	80.6	78.4	71.2	55.2	45.3	55.2	66.9	65.8	62.3	48.2	44.8	49.6
April 1997	96.2	94.8	87.1	72.5	W	76.2	82.6	81.8	78.2	65.1	59.2	66.6
Mississippi												
April 1998	82.3	80.6	70.2	58.7	W	59.8	68.7	67.9	61.1	51.2	46.5	52.4
March 1998	82.4	80.5	69.0	55.6	W	58.2	68.6	67.7	60.1	48.5	44.1	50.6
April 1997	98.9	96.3	84.0	72.5	W	73.8	85.4	84.3	74.3	64.8	60.2	65.8
New Mexico												
April 1998	84.9	84.4	66.1	63.5	–	63.9	72.0	71.6	59.1	55.7	–	56.2
March 1998	84.5	83.6	65.3	61.9	–	62.5	71.9	71.5	57.8	54.0	–	54.6
April 1997	97.5	96.6	85.9	81.7	–	83.2	85.8	85.1	78.1	73.6	–	75.0
Texas												
April 1998	76.0	76.0	63.0	58.1	49.6	55.1	62.5	62.5	55.2	50.5	46.6	48.3
March 1998	76.6	76.5	61.9	56.0	47.6	55.1	62.7	62.6	53.8	48.7	44.9	47.1
April 1997	92.3	91.6	79.4	73.2	63.3	69.9	79.2	78.1	71.5	65.5	60.1	63.1
PAD District IV												
April 1998	83.9	82.7	66.9	64.9	–	65.5	70.8	70.4	60.4	57.0	W	57.9
March 1998	82.0	80.7	63.9	60.6	–	61.6	69.4	68.9	57.1	52.7	W	53.9
April 1997	103.4	102.4	88.4	83.0	W	84.4	91.0	90.3	81.1	74.6	W	76.3
Colorado												
April 1998	NA	NA	64.7	62.2	–	62.8	NA	70.2	58.3	54.8	W	55.5
March 1998	83.1	81.9	61.9	59.0	–	59.8	69.4	68.9	55.4	51.5	W	52.4
April 1997	103.2	101.9	86.3	73.8	W	76.5	90.3	89.4	77.2	66.6	W	69.1

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Idaho												
April 1998	66.6	67.2	59.3	55.9	–	57.1	76.3	76.0	63.8	60.3	–	61.9
March 1998	67.4	67.8	56.8	50.0	–	52.3	76.7	76.1	61.3	54.4	–	57.5
April 1997	88.8	88.5	79.9	77.9	–	78.6	96.2	95.7	85.4	82.3	–	83.6
Montana												
April 1998	74.4	74.4	58.7	55.9	–	56.3	81.7	81.7	NA	60.9	–	61.4
March 1998	73.7	73.6	58.9	53.6	–	54.2	80.3	80.3	67.7	58.9	–	59.6
April 1997	89.3	89.6	NA	74.2	–	74.9	97.4	97.6	84.6	79.9	–	80.4
Utah												
April 1998	63.8	63.3	57.8	56.2	–	56.8	72.0	71.5	62.8	61.9	–	62.4
March 1998	61.1	60.7	52.2	49.5	–	50.5	69.0	68.0	60.0	55.0	–	57.5
April 1997	88.0	87.5	81.3	79.1	–	79.9	95.5	94.7	85.6	84.3	–	84.9
Wyoming												
April 1998	73.2	72.6	NA	55.0	–	55.8	82.7	81.5	67.8	61.2	–	63.9
March 1998	71.9	69.9	57.0	51.3	–	52.0	80.7	79.7	63.0	55.5	–	58.3
April 1997	89.9	88.7	80.2	71.7	–	72.9	97.6	95.5	86.3	82.8	–	84.7
PAD District V												
April 1998	72.1	71.5	60.0	55.2	48.6	56.3	81.1	80.0	67.3	60.5	–	64.6
March 1998	70.3	69.3	58.0	49.5	45.6	52.3	79.7	78.3	66.2	55.0	–	61.7
April 1997	95.0	94.1	83.1	75.5	70.7	78.4	101.6	101.0	89.2	83.3	–	87.2
Alaska												
April 1998	101.8	101.8	82.2	66.8	W	NA	103.4	101.9	84.2	W	–	82.5
March 1998	102.2	102.1	82.9	70.3	W	73.2	103.7	101.4	85.3	W	–	83.1
April 1997	113.1	NA	97.7	84.7	–	90.2	113.9	113.7	NA	88.7	–	95.0
Arizona												
April 1998	77.8	76.5	60.7	57.1	53.4	58.5	87.2	87.0	66.9	62.8	–	65.4
March 1998	76.8	75.9	56.3	50.4	45.7	52.2	86.4	86.1	62.0	57.3	–	60.0
April 1997	98.7	97.1	86.0	75.5	72.8	80.0	106.0	105.4	91.6	83.7	–	89.8
California												
April 1998	–	–	–	60.9	52.6	53.8	–	–	–	68.1	–	68.1
March 1998	–	–	–	52.5	48.8	49.4	–	–	–	59.0	–	59.0
April 1997	–	–	–	79.8	70.4	71.6	–	–	–	86.0	–	86.0
Hawaii												
April 1998	108.1	95.5	95.4	83.3	–	93.5	115.0	107.2	99.8	W	–	99.3
March 1998	109.5	95.5	96.5	84.5	–	94.9	116.2	107.0	101.0	W	–	100.7
April 1997	109.1	103.1	101.4	86.0	–	99.6	114.8	111.0	105.6	W	–	105.3
Nevada												
April 1998	67.7	67.0	51.2	56.8	56.7	54.7	78.8	77.6	59.8	61.5	–	60.5
March 1998	64.6	64.3	50.5	51.1	49.7	50.9	78.4	78.4	NA	54.7	–	58.3
April 1997	93.5	92.7	80.2	79.1	W	79.2	103.0	102.4	85.6	86.5	–	85.9
Oregon												
April 1998	65.9	66.2	55.5	53.3	48.5	53.4	76.9	75.6	62.5	59.6	–	60.9
March 1998	64.1	63.5	51.3	46.8	43.7	47.9	74.5	72.7	57.8	53.4	–	55.5
April 1997	91.7	91.1	80.8	75.9	70.0	76.8	100.4	99.6	87.6	83.3	–	85.5
Washington												
April 1998	64.7	65.4	58.0	53.4	48.5	55.1	75.3	75.0	64.1	59.3	–	62.2
March 1998	63.0	63.2	54.6	48.3	43.0	50.8	74.4	73.6	61.3	54.9	–	58.9
April 1997	88.2	88.3	80.4	72.9	66.2	76.7	95.5	95.2	87.0	82.3	–	85.1

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Idaho												
April 1998	82.5	81.8	69.4	65.7	–	67.2	69.2	69.5	61.2	57.4	–	58.8
March 1998	84.2	83.0	67.4	59.9	–	62.8	70.1	70.1	58.8	51.6	–	54.2
April 1997	102.7	102.2	90.2	87.9	–	88.9	91.0	90.4	81.8	79.3	–	80.2
Montana												
April 1998	85.8	85.4	68.9	67.0	–	67.2	76.7	76.5	60.6	57.9	–	58.3
March 1998	84.3	84.3	66.9	65.1	–	65.3	75.9	75.6	60.6	55.8	–	56.4
April 1997	100.7	100.7	87.5	86.3	–	86.4	91.7	91.8	80.3	77.0	–	77.4
Utah												
April 1998	80.6	79.3	66.6	65.8	–	66.2	68.2	67.5	60.8	58.8	–	59.6
March 1998	77.9	76.3	63.1	59.2	–	60.8	65.5	64.7	56.4	52.2	–	53.9
April 1997	104.9	104.6	88.7	89.0	–	88.9	92.3	91.6	83.7	81.7	–	82.5
Wyoming												
April 1998	86.9	85.3	NA	64.3	–	65.5	76.5	75.7	NA	56.7	–	57.7
March 1998	84.0	82.1	67.3	60.9	–	61.9	74.8	72.7	59.6	53.1	–	54.0
April 1997	103.6	100.6	92.1	82.2	–	84.1	92.4	90.8	82.9	73.5	–	74.9
PAD District V												
April 1998	92.6	91.2	75.2	68.2	54.6	69.9	75.8	75.0	63.1	57.2	49.5	58.9
March 1998	91.8	90.0	74.7	62.6	51.5	67.1	74.0	72.9	61.4	51.5	46.3	55.1
April 1997	113.2	111.9	98.1	88.3	76.6	92.2	97.8	96.8	85.9	77.4	71.5	80.9
Alaska												
April 1998	NA	NA	92.8	73.7	–	81.3	103.4	103.3	83.2	67.6	W	NA
March 1998	111.4	111.3	92.5	79.2	–	84.9	103.8	103.5	83.9	71.3	W	74.4
April 1997	124.6	124.4	107.8	94.0	–	99.9	114.4	113.8	98.6	85.6	–	91.2
Arizona												
April 1998	97.7	97.1	73.3	68.8	–	71.5	81.4	80.2	63.0	59.1	53.4	60.7
March 1998	97.4	97.0	67.0	62.5	–	64.9	80.3	79.4	58.3	52.1	45.7	54.1
April 1997	115.6	114.4	99.3	89.2	76.2	92.6	101.4	99.9	88.3	77.0	73.2	82.2
California												
April 1998	–	–	–	73.1	–	NA	–	–	–	63.5	52.6	54.7
March 1998	–	–	–	65.5	W	54.5	–	–	–	55.1	49.1	50.2
April 1997	–	–	–	92.4	W	79.0	–	–	–	82.0	70.9	72.6
Hawaii												
April 1998	125.5	112.3	107.0	95.3	–	105.7	112.9	100.5	99.2	86.1	–	97.5
March 1998	125.4	111.5	108.1	96.5	–	107.0	113.9	100.3	100.3	87.4	–	98.9
April 1997	125.8	118.1	113.1	97.8	–	111.8	113.6	107.3	105.3	89.4	–	103.8
Nevada												
April 1998	84.1	84.0	64.8	68.6	W	66.8	71.3	70.5	54.6	58.7	57.5	57.0
March 1998	81.8	81.8	66.7	60.5	W	61.5	68.0	67.8	53.8	52.6	50.1	52.7
April 1997	112.0	111.7	94.0	89.6	W	91.5	96.5	95.6	83.3	81.1	W	81.7
Oregon												
April 1998	84.3	83.0	70.1	67.6	NA	64.8	68.7	68.7	58.0	55.1	49.6	55.3
March 1998	82.6	81.1	65.5	61.0	NA	61.6	66.9	66.0	53.6	48.7	45.4	50.0
April 1997	109.2	108.2	94.9	89.8	W	88.9	93.9	93.3	82.9	77.7	71.4	78.7
Washington												
April 1998	85.2	85.5	71.3	66.4	55.0	66.8	69.0	69.4	60.6	55.5	50.4	57.5
March 1998	84.4	84.1	68.7	61.7	NA	64.2	67.5	67.5	57.6	50.5	44.3	53.4
April 1997	106.7	106.5	95.0	85.8	75.5	90.7	91.3	91.3	83.2	75.3	68.2	79.4

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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.*
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 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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	69.8	70.1	61.7	57.5	–	59.2	76.0	76.1	66.9	58.4	–	61.4
March 1998	68.4	68.5	58.7	56.1	–	57.3	76.1	76.1	64.5	57.2	–	60.5
April 1997	88.3	88.2	79.9	69.6	–	NA	94.1	94.0	83.7	70.7	–	NA
PAD District I												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
PAD District II												
April 1998	72.7	72.7	64.9	57.5	–	59.8	77.5	77.5	67.9	58.2	–	60.9
March 1998	72.2	72.0	64.2	56.0	–	58.5	77.0	77.0	67.8	56.7	–	60.0
April 1997	88.7	88.6	75.9	69.9	–	71.3	93.8	93.8	80.0	70.7	–	73.7
PAD District III												
April 1998	W	W	W	–	–	W	W	W	W	–	–	W
March 1998	75.1	75.0	W	58.3	–	58.2	85.6	85.6	W	65.8	–	65.0
April 1997	W	W	W	NA	–	W	NA	NA	W	NA	–	W
PAD District IV												
April 1998	–	–	–	57.4	–	57.4	–	–	–	59.2	–	59.2
March 1998	W	W	W	54.3	–	54.4	–	–	W	56.2	–	56.3
April 1997	W	W	–	68.0	–	68.0	W	W	–	W	–	W
PAD District V												
April 1998	W	W	W	W	–	W	W	W	W	W	–	W
March 1998	61.4	61.3	55.7	56.2	–	55.8	72.7	72.6	62.3	58.8	–	61.9
April 1997	W	W	89.1	82.7	–	88.4	W	W	95.6	W	–	94.9

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	83.6	83.6	74.0	63.4	–	68.4	71.5	71.7	63.5	58.1	–	60.3
March 1998	84.6	84.4	70.9	63.2	–	67.3	70.6	70.5	60.9	56.9	–	58.8
April 1997	102.0	102.1	NA	75.3	–	79.5	90.2	90.1	81.5	70.3	–	73.4
PAD District I												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
PAD District II												
April 1998	84.1	84.0	73.2	62.9	–	66.7	74.1	74.0	66.1	58.0	–	60.6
March 1998	85.0	84.7	72.2	61.1	–	64.7	73.6	73.4	65.4	56.5	–	59.2
April 1997	100.6	100.6	85.2	73.8	–	76.3	90.4	90.3	77.3	70.4	–	72.0
PAD District III												
April 1998	W	W	W	–	–	W	W	W	W	–	–	W
March 1998	94.0	94.0	W	67.4	–	67.2	79.2	79.2	W	59.9	–	59.7
April 1997	NA	NA	W	NA	–	W	W	W	W	NA	–	W
PAD District IV												
April 1998	–	–	–	64.1	–	64.1	–	–	–	58.4	–	58.4
March 1998	W	W	W	61.1	–	61.2	W	W	W	55.5	–	55.6
April 1997	W	W	–	74.9	–	74.9	W	W	–	68.9	–	68.9
PAD District V												
April 1998	W	W	75.2	NA	–	75.5	W	W	W	W	–	W
March 1998	83.0	82.8	70.6	68.1	–	70.1	64.6	64.4	58.6	58.3	–	58.5
April 1997	108.3	108.2	NA	NA	–	NA	93.9	94.0	91.5	88.3	–	91.1

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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*.
Notes: Beginning in March 1998, oxygenated gasoline data will be published at the PAD District and U.S. levels.
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 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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	64.9	64.7	59.8	55.3	54.0	57.2	73.8	73.6	65.6	59.5	W	63.7
March 1998	62.7	62.4	57.3	51.7	49.6	54.1	72.1	71.8	63.1	55.6	W	60.9
April 1997	82.8	82.7	79.3	68.6	68.2	73.7	92.0	91.5	84.3	72.6	W	80.9
PAD District I												
April 1998	62.9	62.6	58.5	53.4	49.6	54.9	72.7	72.3	64.9	57.8	–	62.4
March 1998	63.0	62.6	57.8	51.6	47.7	54.0	72.8	72.3	64.3	55.6	–	61.3
April 1997	80.3	79.7	74.5	65.9	62.0	69.3	89.9	88.9	80.1	70.0	–	76.6
Subdistrict IA												
April 1998	63.6	63.2	57.9	54.2	49.6	55.3	73.8	73.1	65.1	58.2	–	62.2
March 1998	64.3	63.7	57.9	52.7	47.3	54.7	74.8	74.0	65.4	56.2	–	61.5
April 1997	82.2	81.4	74.8	66.4	62.5	69.6	91.8	90.7	81.7	70.1	–	77.0
Connecticut												
April 1998	63.7	63.4	57.9	53.9	48.7	55.2	73.4	72.1	65.3	58.4	–	62.5
March 1998	64.0	63.7	57.5	52.9	47.4	54.1	74.3	72.7	65.2	57.3	–	62.0
April 1997	81.4	81.0	72.6	66.8	W	69.4	91.2	89.7	78.9	70.6	–	75.8
Maine												
April 1998	65.1	65.0	58.4	55.6	–	56.4	75.5	75.3	63.7	58.2	–	60.0
March 1998	64.0	63.9	57.2	53.8	–	54.8	74.8	74.6	62.2	56.3	–	58.3
April 1997	80.4	80.3	72.6	67.0	W	68.4	89.6	89.3	77.5	70.2	–	72.6
Massachusetts												
April 1998	63.6	62.9	57.9	54.4	W	55.6	74.2	73.7	65.6	58.6	–	63.0
March 1998	64.9	63.9	58.3	52.6	W	55.3	75.8	75.1	66.2	55.9	–	62.1
April 1997	83.4	81.9	76.2	66.1	62.0	70.1	93.1	91.9	83.8	69.7	–	78.6
New Hampshire												
April 1998	64.7	64.6	59.6	56.1	–	58.3	75.4	75.6	65.7	58.5	–	63.8
March 1998	64.6	64.5	59.5	54.8	–	57.7	75.5	75.5	65.8	57.0	–	63.8
April 1997	82.3	82.0	76.1	68.6	–	73.5	91.4	91.5	81.7	73.2	–	80.2
Rhode Island												
April 1998	59.4	59.3	55.3	52.3	W	52.3	68.9	68.9	61.7	55.8	–	58.5
March 1998	60.3	60.2	55.4	50.7	–	52.1	69.7	69.7	61.8	54.1	–	57.7
April 1997	79.5	79.3	76.9	65.6	62.4	67.3	88.1	87.8	82.6	69.6	–	74.9
Subdistrict IB												
April 1998	62.2	62.1	58.9	52.5	49.6	54.5	72.0	71.7	65.0	57.1	–	62.6
March 1998	62.3	62.1	57.8	50.9	47.8	53.6	71.7	71.3	64.2	55.2	–	61.5
April 1997	79.1	78.6	74.5	65.4	61.9	69.1	88.8	87.9	79.8	69.9	–	76.8
Delaware												
April 1998	60.5	60.5	54.6	50.2	–	52.0	72.3	71.7	61.8	54.0	–	57.9
March 1998	61.1	60.9	53.6	49.0	–	51.0	73.0	72.4	59.7	52.8	–	56.5
April 1997	77.5	77.1	71.7	64.5	W	67.8	86.8	86.0	79.6	68.2	–	75.1
District of Columbia												
April 1998	W	61.5	61.9	–	–	61.9	W	70.7	NA	–	–	NA
March 1998	W	60.6	61.2	–	–	61.2	W	69.2	NA	–	–	NA
April 1997	W	74.5	77.0	–	–	77.0	W	86.1	80.4	–	–	80.4
Maryland												
April 1998	65.0	63.7	59.2	53.5	W	57.2	73.5	71.9	64.5	57.9	–	62.8
March 1998	64.9	63.3	58.5	50.5	W	55.6	74.1	71.7	63.7	54.9	–	61.5
April 1997	81.1	79.4	73.7	64.4	63.4	69.9	89.0	85.9	78.6	68.2	–	76.1
New Jersey												
April 1998	62.5	63.0	59.0	52.0	49.6	53.0	73.3	73.6	65.0	57.5	–	62.3
March 1998	62.4	62.8	57.7	50.7	47.9	52.3	72.4	72.7	64.1	55.8	–	61.1
April 1997	79.1	78.9	73.7	64.8	61.6	67.1	89.8	89.1	79.1	70.4	–	75.9
New York												
April 1998	65.5	65.1	62.8	52.9	49.6	57.7	76.0	75.0	69.3	55.9	–	66.3
March 1998	66.5	66.0	62.3	51.6	46.5	56.7	76.2	75.2	68.8	54.7	–	65.8
April 1997	80.9	80.3	78.6	66.6	W	72.5	89.8	89.0	83.9	69.9	–	80.9

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	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
United States												
April 1998	82.0	81.5	72.4	63.8	57.7	68.4	69.2	68.9	63.6	57.3	54.5	60.2
March 1998	80.3	79.7	70.3	60.4	50.5	65.4	67.2	66.8	61.2	53.7	49.8	57.3
April 1997	99.3	98.7	90.8	77.3	68.9	85.0	87.0	86.7	82.7	70.5	68.3	76.9
PAD District I												
April 1998	80.6	79.6	71.4	61.9	53.2	66.8	67.9	67.5	63.1	55.7	50.0	58.5
March 1998	80.6	79.6	70.7	59.8	49.0	64.6	68.1	67.5	62.4	53.7	48.0	57.4
April 1997	97.3	95.8	87.2	75.2	66.2	81.4	85.1	84.3	78.9	68.2	62.9	73.1
Subdistrict IA												
April 1998	82.4	80.7	70.0	62.5	W	65.8	67.8	67.3	61.1	56.1	49.7	57.9
March 1998	83.2	81.3	70.0	61.1	W	65.4	68.5	67.8	61.1	54.5	47.5	57.3
April 1997	99.5	97.2	87.6	75.3	66.9	80.3	86.0	85.1	78.1	68.2	63.3	72.2
Connecticut												
April 1998	83.3	82.3	71.3	63.4	W	65.9	68.2	67.8	61.3	56.1	49.1	57.9
March 1998	83.9	83.0	71.2	62.6	W	66.2	68.7	68.2	60.9	55.0	47.6	56.9
April 1997	100.1	98.9	85.9	76.6	–	81.6	85.7	85.1	75.7	68.8	W	72.1
Maine												
April 1998	84.2	83.1	69.2	64.0	–	65.3	68.2	68.1	60.4	57.0	–	57.9
March 1998	83.5	82.5	68.0	62.4	–	63.9	67.2	67.0	59.1	55.2	–	56.3
April 1997	97.1	96.4	83.8	75.7	–	77.9	83.1	83.0	74.5	68.3	W	69.9
Massachusetts												
April 1998	82.0	79.6	69.4	62.0	W	66.0	68.0	67.1	61.2	56.3	50.3	58.3
March 1998	83.3	80.3	69.4	60.5	–	65.6	69.3	68.1	61.6	54.4	W	58.0
April 1997	100.0	96.3	88.2	74.6	W	79.8	87.3	85.7	79.7	67.9	63.5	72.9
New Hampshire												
April 1998	83.7	83.6	72.1	61.9	–	68.4	68.5	68.4	62.4	57.2	–	60.6
March 1998	83.7	83.6	72.1	60.3	–	67.9	68.3	68.3	62.4	55.8	–	60.0
April 1997	99.0	98.7	89.8	77.9	–	86.6	85.6	85.4	79.1	70.1	–	76.2
Rhode Island												
April 1998	77.1	76.8	68.3	60.9	–	63.5	63.3	63.3	58.8	54.2	W	54.6
March 1998	78.1	77.5	68.3	59.2	–	62.3	64.2	64.1	58.9	52.5	–	54.6
April 1997	95.1	94.7	90.0	74.2	W	78.8	83.0	82.8	80.4	67.5	62.7	69.9
Subdistrict IB												
April 1998	79.9	79.2	72.1	61.0	53.6	67.1	67.9	67.7	63.9	55.0	50.1	58.5
March 1998	79.7	79.0	71.2	58.9	48.9	64.3	67.9	67.5	62.9	53.2	48.1	57.6
April 1997	96.7	95.5	87.4	74.9	66.1	81.8	84.6	83.9	79.4	68.1	62.8	73.5
Delaware												
April 1998	80.1	79.4	68.9	59.5	–	63.6	65.3	65.0	58.2	52.1	–	54.7
March 1998	80.8	79.7	66.9	58.2	–	62.2	65.9	65.4	56.7	51.0	–	53.6
April 1997	95.8	94.8	86.8	74.2	–	80.7	81.5	81.0	75.7	66.6	W	71.0
District of Columbia												
April 1998	W	75.5	NA	–	–	NA	W	66.7	66.8	–	–	66.8
March 1998	W	74.1	NA	–	–	NA	W	65.3	66.1	–	–	66.1
April 1997	W	89.3	87.2	–	–	87.2	W	80.2	82.2	–	–	82.2
Maryland												
April 1998	79.1	76.7	68.6	62.8	–	67.0	68.9	67.6	62.5	56.1	W	60.5
March 1998	80.1	77.4	67.9	59.4	–	65.6	69.1	67.3	61.9	52.9	W	59.0
April 1997	95.5	92.0	84.3	72.7	–	81.2	84.8	82.7	77.3	66.7	63.4	73.5
New Jersey												
April 1998	81.7	81.8	72.6	60.8	52.9	66.5	68.7	69.0	63.9	54.7	49.8	56.4
March 1998	81.4	81.4	71.5	58.9	48.7	63.1	68.4	68.7	62.6	53.1	48.1	55.8
April 1997	98.1	97.1	87.0	74.8	65.7	79.0	85.1	84.6	78.7	67.8	62.5	71.1
New York												
April 1998	80.7	79.9	75.6	60.0	54.1	68.6	71.7	71.1	69.2	55.2	52.5	62.9
March 1998	80.5	79.8	75.0	58.2	49.2	65.4	72.2	71.5	68.6	53.6	48.5	61.3
April 1997	96.5	95.6	90.7	74.9	W	85.4	86.8	85.9	84.4	69.1	W	78.2

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	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Pennsylvania												
April 1998	57.2	57.2	53.0	53.8	W	53.0	67.1	66.9	58.3	57.5	–	58.0
March 1998	56.5	56.4	51.1	51.8	–	51.3	66.3	66.2	56.9	55.5	–	56.4
April 1997	76.5	76.5	71.9	66.9	W	69.6	87.1	86.8	76.6	71.0	–	74.3
Subdistrict IC												
April 1998	63.2	62.9	58.9	54.6	–	56.4	72.8	72.5	64.0	59.0	–	61.7
March 1998	62.3	61.9	57.6	50.8	W	53.5	72.7	72.0	63.2	55.5	–	59.7
April 1997	79.5	79.0	73.7	65.8	W	69.3	89.3	88.5	78.4	70.4	–	75.1
Virginia												
April 1998	63.2	62.9	58.9	54.6	–	56.4	72.8	72.5	64.0	59.0	–	61.7
March 1998	62.3	61.9	57.6	50.8	W	53.5	72.7	72.0	63.2	55.5	–	59.7
April 1997	79.5	79.0	73.7	65.8	W	69.3	89.3	88.5	78.4	70.4	–	75.1
PAD District II												
April 1998	68.5	68.5	63.1	59.0	W	61.1	77.7	77.5	68.7	62.6	–	67.0
March 1998	64.8	64.7	58.9	53.7	W	56.4	74.3	74.0	65.0	57.0	–	62.8
April 1997	81.9	81.7	75.5	70.3	–	73.1	91.3	90.9	81.0	74.2	–	79.4
Illinois												
April 1998	68.6	68.6	64.2	59.5	W	62.4	77.9	77.6	69.1	62.9	–	68.1
March 1998	64.8	64.8	59.8	54.1	–	57.9	74.8	74.3	65.1	57.0	–	63.8
April 1997	81.9	81.7	76.2	70.3	–	74.1	91.3	90.7	81.1	74.0	–	80.1
Indiana												
April 1998	64.9	65.0	61.9	59.9	–	60.8	74.9	74.7	66.6	63.8	–	65.2
March 1998	64.4	63.9	58.5	55.0	–	56.5	73.2	72.9	64.0	58.6	–	60.8
April 1997	78.7	78.6	74.0	71.3	–	72.3	88.0	87.7	78.5	75.4	–	76.9
Kentucky												
April 1998	68.2	67.9	61.5	56.0	–	58.9	78.0	78.2	67.9	60.1	–	64.6
March 1998	63.3	63.0	58.6	51.0	–	54.8	73.1	73.1	66.4	54.7	–	61.4
April 1997	84.5	84.0	76.3	71.6	–	74.0	93.7	93.5	83.1	75.0	–	79.6
Wisconsin												
April 1998	70.7	70.7	61.6	59.4	–	60.2	78.7	78.8	67.3	63.2	–	65.2
March 1998	66.3	66.2	55.9	54.2	W	54.7	74.4	74.5	NA	57.9	–	60.3
April 1997	81.1	80.9	72.6	69.3	–	70.6	89.6	89.8	79.3	72.6	–	76.4
PAD District III												
April 1998	59.1	59.0	55.9	51.8	49.2	52.1	70.1	70.1	62.2	55.8	–	58.1
March 1998	58.6	58.6	54.1	49.3	45.7	49.7	70.0	70.0	60.9	53.1	–	55.8
April 1997	74.6	74.5	69.7	63.5	65.2	64.9	84.9	84.7	74.9	68.0	–	70.7
Texas												
April 1998	59.1	59.0	55.9	51.8	49.3	52.2	70.1	70.1	62.2	55.8	–	58.1
March 1998	58.6	58.6	54.1	49.3	45.7	49.7	70.0	70.0	60.9	53.1	–	55.8
April 1997	74.6	74.5	69.7	63.5	65.2	64.9	84.9	84.7	74.9	68.0	–	70.7
PAD District V												
April 1998	67.2	67.0	60.5	59.8	60.7	60.4	74.9	74.9	65.7	65.3	W	65.6
March 1998	63.1	62.8	56.6	52.7	52.6	55.0	71.6	71.5	61.9	57.2	W	61.0
April 1997	89.8	89.4	85.6	77.6	73.3	81.3	97.9	97.8	90.4	83.9	W	89.3
Arizona												
April 1998	74.5	74.2	66.9	63.0	W	65.9	82.7	82.7	72.4	68.7	–	72.0
March 1998	70.4	69.9	62.4	56.2	–	60.8	79.9	79.8	68.0	62.2	–	67.2
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
California												
April 1998	66.0	65.8	60.1	59.7	60.7	60.1	74.0	74.1	65.5	65.2	W	65.4
March 1998	62.2	61.8	56.3	52.6	52.6	54.7	70.9	70.8	61.7	57.1	W	60.8
April 1997	89.8	89.4	85.6	77.6	73.3	81.3	97.9	97.8	90.4	83.9	W	89.3

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[a]	DTW	Rack	Bulk	Average	Through Retail Outlets	Average[a]	DTW	Rack	Bulk	Average
Pennsylvania												
April 1998	75.1	74.4	64.9	62.4	–	64.1	62.5	62.3	56.7	56.0	W	56.1
March 1998	74.3	73.6	63.1	60.4	W	62.2	61.8	61.5	54.8	54.0	W	54.5
April 1997	95.1	94.0	84.0	78.1	–	82.0	82.0	81.7	75.5	69.4	W	73.0
Subdistrict IC												
April 1998	80.4	79.1	69.6	64.5	W	67.1	68.2	67.8	62.9	57.1	W	59.8
March 1998	80.0	79.0	68.7	60.7	–	65.1	67.5	67.0	61.8	53.4	W	57.2
April 1997	95.8	94.9	84.5	76.3	–	81.1	84.2	83.6	77.5	68.5	W	73.0
Virginia												
April 1998	80.4	79.1	69.6	64.5	W	67.1	68.2	67.8	62.9	57.1	W	59.8
March 1998	80.0	79.0	68.7	60.7	–	65.1	67.5	67.0	61.8	53.4	W	57.2
April 1997	95.8	94.9	84.5	76.3	–	81.1	84.2	83.6	77.5	68.5	W	73.0
PAD District II												
April 1998	85.1	84.6	74.0	68.0	–	71.9	72.2	72.0	66.1	60.6	W	63.7
March 1998	81.4	80.7	69.9	62.2	W	66.7	68.6	68.3	62.0	55.3	W	59.1
April 1997	98.8	97.9	85.8	79.0	–	83.5	85.8	85.5	78.5	71.9	–	75.8
Illinois												
April 1998	85.1	84.5	74.5	68.6	–	73.0	72.5	72.4	67.3	61.2	W	65.3
March 1998	81.4	80.6	70.2	62.5	W	67.9	68.8	68.7	63.1	55.8	W	60.9
April 1997	98.8	97.8	85.9	79.0	–	84.2	85.9	85.8	79.2	72.0	–	77.0
Indiana												
April 1998	82.3	82.1	73.3	69.3	–	71.4	68.4	68.4	64.4	61.9	–	63.1
March 1998	80.6	79.7	69.6	64.0	W	64.6	67.9	67.3	61.3	56.9	W	58.6
April 1997	95.1	93.7	83.2	80.7	–	81.9	82.3	82.2	76.8	73.3	–	74.7
Kentucky												
April 1998	86.7	86.5	73.9	65.1	–	69.7	72.5	72.0	64.4	58.0	–	61.3
March 1998	82.3	82.1	71.3	59.9	–	65.6	67.6	67.3	61.8	52.9	–	57.4
April 1997	103.1	102.8	89.3	80.0	–	85.4	88.5	88.0	79.5	73.2	–	76.5
Wisconsin												
April 1998	84.9	84.8	71.5	68.4	–	69.6	72.8	72.7	63.4	60.5	–	61.6
March 1998	80.3	80.0	65.9	62.5	–	63.9	68.5	68.3	57.8	55.3	W	56.2
April 1997	95.1	93.5	82.0	77.0	–	79.2	83.3	83.0	74.5	70.3	–	72.1
PAD District III												
April 1998	77.3	77.2	67.9	61.7	54.2	62.0	64.1	64.0	59.4	54.1	50.1	54.6
March 1998	77.3	77.3	67.0	58.9	W	61.0	63.8	63.7	58.0	51.5	46.2	52.3
April 1997	92.4	92.2	79.9	73.7	W	75.5	79.4	79.2	73.4	65.8	65.6	67.7
Texas												
April 1998	77.3	77.2	67.9	61.7	54.3	62.1	64.1	64.0	59.4	54.1	50.2	54.6
March 1998	77.3	77.3	67.0	58.9	W	61.0	63.8	63.7	58.0	51.5	46.3	52.4
April 1997	92.4	92.2	79.9	73.7	W	75.5	79.4	79.2	73.4	65.8	65.6	67.7
PAD District V												
April 1998	84.6	84.4	74.1	71.7	65.3	72.7	71.1	70.8	64.0	61.8	61.3	63.1
March 1998	81.0	80.7	70.0	63.5	56.2	68.0	67.3	66.9	60.1	54.5	52.9	57.9
April 1997	106.7	106.3	99.7	89.6	76.0	96.2	93.6	93.2	88.9	79.5	73.6	84.6
Arizona												
April 1998	93.0	92.9	80.0	75.7	W	79.4	78.0	77.7	69.6	64.8	W	68.6
March 1998	89.6	89.5	75.0	67.3	–	73.7	74.5	73.9	65.4	57.9	–	63.7
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
California												
April 1998	83.5	83.4	73.8	71.5	65.1	72.5	70.1	69.8	63.7	61.7	61.2	62.8
March 1998	79.9	79.6	69.7	63.3	56.2	67.8	66.4	66.0	59.9	54.4	52.9	57.7
April 1997	106.7	106.3	99.7	89.6	76.0	96.2	93.6	93.2	88.9	79.5	73.6	84.6

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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.*
Notes: Beginning in March 1998, reformulated gasoline data will be published at the U.S. and PAD District levels, and for selected States.
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 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	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]	
United States												
April 1998	63.6	54.0	52.3	73.0	56.3	59.2	81.2	62.4	63.7	67.8	55.4	54.9
March 1998	61.7	51.4	49.7	71.2	52.6	56.4	79.4	58.3	61.1	66.0	52.5	52.3
April 1997	80.3	68.7	67.7	89.9	79.3	75.4	97.9	90.3	79.7	84.4	73.2	70.4
PAD District I												
April 1998	59.1	50.9	51.6	69.4	54.0	57.7	77.8	59.2	63.4	64.6	52.7	54.9
March 1998	57.9	48.1	49.5	68.2	51.1	55.7	76.7	55.2	61.1	63.4	49.5	52.9
April 1997	77.3	65.0	65.9	87.8	68.2	72.5	96.2	72.9	78.4	82.7	66.6	69.5
Subdistrict IA												
April 1998	65.8	51.7	54.3	76.9	W	61.3	85.5	W	65.7	71.8	52.0	57.1
March 1998	66.8	49.5	53.6	77.8	W	60.9	86.5	–	65.4	72.7	49.9	56.5
April 1997	85.6	66.3	70.2	96.4	W	77.7	103.6	W	80.7	91.2	67.6	73.1
Connecticut												
April 1998	W	W	54.1	W	W	61.5	W	W	64.7	W	W	57.0
March 1998	W	W	53.1	W	W	61.0	W	–	64.9	W	W	56.2
April 1997	W	66.5	69.2	W	–	76.3	W	W	81.8	W	66.8	72.4
Maine												
April 1998	–	–	52.9	–	–	56.8	–	–	61.9	–	–	54.4
March 1998	–	–	50.5	–	–	54.7	–	–	59.8	–	–	52.0
April 1997	–	–	66.0	–	–	70.0	–	–	75.9	–	–	67.6
Massachusetts												
April 1998	66.6	49.9	55.4	77.0	W	62.7	85.4	–	67.4	72.4	50.7	58.5
March 1998	67.8	47.4	55.3	78.0	–	62.6	86.5	–	67.3	73.5	47.4	58.5
April 1997	87.8	W	72.7	98.2	W	80.8	105.2	W	81.0	93.2	W	75.6
New Hampshire												
April 1998	65.3	–	58.5	77.3	–	64.3	84.4	–	70.4	70.7	–	61.2
March 1998	65.8	W	58.6	77.3	–	64.5	85.0	–	71.1	71.1	W	61.5
April 1997	81.6	W	73.6	92.6	–	79.6	98.3	W	86.5	86.5	W	76.6
Rhode Island												
April 1998	59.8	W	52.2	68.8	–	58.6	77.7	–	63.6	64.7	W	54.6
March 1998	60.7	W	52.0	69.9	–	57.8	79.2	–	62.5	65.7	W	54.5
April 1997	83.0	W	67.9	91.0	W	75.0	98.3	W	79.0	87.4	W	70.5
Vermont												
April 1998	–	–	53.4	–	–	59.5	–	–	64.9	–	–	55.7
March 1998	–	–	50.8	–	–	56.6	–	–	62.3	–	–	53.2
April 1997	–	–	69.0	–	–	75.4	–	–	80.2	–	–	71.3
Subdistrict IB												
April 1998	60.1	53.5	52.2	70.5	56.6	60.0	80.1	61.4	65.0	65.7	54.7	56.0
March 1998	58.6	50.5	50.6	68.6	53.8	58.6	78.9	57.5	62.7	64.2	51.7	54.5
April 1997	78.3	68.1	66.9	88.7	71.0	74.6	97.4	75.5	80.4	83.7	69.6	71.0
Delaware												
April 1998	59.6	57.3	51.1	73.5	–	56.5	81.1	W	62.6	66.1	57.8	53.8
March 1998	59.8	53.8	50.2	72.9	–	55.7	81.2	W	61.7	66.2	54.2	52.9
April 1997	81.9	W	67.5	92.9	–	73.3	104.9	W	79.8	88.2	W	70.4
District of Columbia												
April 1998	–	53.7	62.3	–	W	NA	–	W	NA	–	55.3	67.1
March 1998	–	50.4	61.4	–	W	NA	–	W	NA	–	51.4	66.2
April 1997	–	64.5	77.0	–	W	80.5	–	W	87.3	–	66.6	82.2
Maryland												
April 1998	–	52.9	56.6	–	W	62.1	–	60.5	66.7	–	54.4	59.9
March 1998	W	49.0	54.6	W	W	60.7	W	56.2	65.0	W	50.4	58.1
April 1997	W	65.6	68.9	W	67.3	75.2	W	72.8	80.7	W	66.7	72.5
New Jersey												
April 1998	63.1	W	52.0	74.1	W	61.6	83.1	58.5	66.2	70.0	W	55.8
March 1998	62.4	48.7	51.4	72.2	W	60.3	82.3	W	63.2	69.1	49.8	55.3
April 1997	80.2	66.9	66.6	91.6	71.3	75.9	99.8	75.0	78.9	87.0	70.0	71.0
New York												
April 1998	59.7	W	53.4	71.3	58.8	62.9	80.3	63.1	67.4	65.1	56.2	58.3
March 1998	58.6	W	51.9	70.7	57.2	62.0	79.9	60.0	64.4	64.2	54.1	56.6
April 1997	77.0	69.1	68.6	87.2	71.9	77.9	96.3	77.0	84.4	81.9	70.1	73.7
Pennsylvania												
April 1998	58.7	53.3	49.8	68.0	59.8	54.4	76.7	63.4	58.9	63.4	54.4	52.0
March 1998	56.3	49.8	47.0	65.6	57.0	52.3	74.4	61.1	56.9	61.1	51.1	49.3
April 1997	78.3	71.0	64.7	88.1	77.1	70.1	96.1	81.8	76.7	83.1	72.3	67.4

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	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]	
Subdistrict IC												
April 1998	58.1	49.9	50.4	68.3	53.3	55.7	76.0	58.7	61.5	63.5	52.0	53.5
March 1998	57.0	47.2	47.6	67.4	50.4	53.0	74.9	54.6	58.7	62.4	48.8	50.7
April 1997	76.0	63.8	64.0	86.6	67.4	70.2	94.7	72.1	76.0	81.4	65.5	67.4
Florida												
April 1998	58.3	49.4	50.2	68.9	53.2	55.9	75.9	58.4	62.2	64.1	51.2	54.0
March 1998	57.2	46.7	47.8	68.0	50.1	53.6	75.1	53.8	60.0	63.1	48.1	51.7
April 1997	78.3	64.2	65.8	89.9	67.6	73.0	97.3	71.9	79.8	84.6	65.7	70.2
Georgia												
April 1998	54.7	49.5	49.4	64.9	52.9	54.7	73.7	57.5	60.1	60.2	51.7	52.2
March 1998	53.4	46.9	46.4	63.8	49.6	51.9	72.1	54.2	56.8	59.0	48.9	49.2
April 1997	69.2	63.0	62.0	79.0	66.5	67.7	88.0	71.9	71.9	74.4	65.2	64.8
North Carolina												
April 1998	56.9	49.8	49.9	66.7	52.6	54.6	75.2	57.7	60.3	61.8	51.1	52.6
March 1998	55.8	47.1	46.8	65.7	50.8	51.3	74.0	54.4	56.8	60.6	48.2	49.4
April 1997	74.7	63.1	62.8	84.4	W	67.5	92.3	71.3	73.0	79.1	64.4	65.4
South Carolina												
April 1998	56.5	49.4	49.8	66.4	W	54.7	75.3	58.7	60.4	61.1	51.6	52.4
March 1998	54.8	46.8	46.7	64.3	W	51.6	72.6	54.9	56.9	59.3	48.8	49.2
April 1997	72.4	63.1	62.6	82.3	W	67.8	91.1	71.7	73.5	76.7	64.9	65.1
Virginia												
April 1998	61.9	52.9	52.6	72.8	W	57.6	79.2	W	63.4	67.3	56.2	55.7
March 1998	61.7	49.6	49.8	72.7	W	55.4	79.3	W	61.0	67.2	51.2	53.1
April 1997	78.6	64.9	65.7	89.4	W	71.4	95.7	72.8	77.6	83.7	66.6	69.0
West Virginia												
April 1998	65.7	54.4	51.3	75.1	W	56.6	84.6	63.4	61.8	69.4	56.0	53.4
March 1998	64.0	50.4	47.6	73.6	W	53.8	82.5	W	58.1	67.8	52.1	49.9
April 1997	83.3	68.5	64.8	93.1	75.1	69.8	101.8	78.2	75.2	86.9	70.7	67.0
PAD District II												
April 1998	65.6	57.7	52.9	74.9	62.6	59.3	82.2	67.2	63.4	69.0	59.0	54.7
March 1998	63.6	56.3	49.7	72.5	56.9	56.0	79.5	61.6	59.7	66.9	56.9	51.5
April 1997	77.7	70.4	65.5	86.9	74.8	71.8	94.0	80.6	75.8	81.0	71.6	67.3
Illinois												
April 1998	67.0	57.6	54.9	76.7	NA	64.0	83.4	W	68.6	70.9	NA	57.9
March 1998	64.2	55.5	50.8	73.5	W	59.8	80.2	W	63.7	68.1	57.4	53.8
April 1997	80.4	68.3	68.2	90.1	W	77.9	96.7	W	81.2	84.2	70.8	71.2
Indiana												
April 1998	65.8	55.8	52.6	74.1	63.0	57.9	80.9	W	63.8	68.8	56.2	54.7
March 1998	62.6	52.7	49.1	70.3	W	54.4	76.1	W	59.7	65.6	52.8	51.1
April 1997	75.9	70.4	65.1	83.4	81.6	70.4	89.1	81.8	76.1	78.7	71.1	67.1
Iowa												
April 1998	61.8	54.7	53.7	68.9	–	58.8	72.0	NA	61.8	62.9	56.2	54.7
March 1998	62.8	51.9	51.4	70.7	–	56.8	72.1	W	59.4	63.8	52.9	52.6
April 1997	75.6	67.2	65.7	83.0	–	69.3	84.7	W	73.8	76.4	67.4	66.4
Kansas												
April 1998	61.6	56.2	51.5	NA	–	NA	77.5	W	59.7	63.9	56.4	52.3
March 1998	60.1	54.1	49.3	69.0	–	55.9	74.8	W	57.2	62.4	54.3	50.1
April 1997	77.3	68.0	63.7	85.5	–	70.6	94.9	W	71.3	79.6	68.2	64.4
Kentucky												
April 1998	68.9	53.3	52.7	78.5	W	57.8	87.2	60.4	62.5	72.8	54.1	54.8
March 1998	64.5	51.8	48.5	73.9	W	53.1	82.7	55.8	58.1	68.5	52.2	50.7
April 1997	85.2	68.8	67.0	94.2	W	72.2	102.2	74.6	76.4	88.8	69.4	69.0
Michigan												
April 1998	62.6	61.7	52.7	71.1	W	58.3	78.6	NA	64.2	65.1	NA	54.6
March 1998	61.1	58.5	49.0	69.5	53.3	55.7	76.9	66.4	60.4	63.6	59.5	51.1
April 1997	72.4	73.6	65.1	80.6	71.5	69.3	87.8	83.6	75.8	74.8	74.9	66.9
Minnesota												
April 1998	73.8	60.4	56.1	80.2	W	59.2	87.5	–	63.6	75.9	60.5	57.2
March 1998	75.2	59.0	54.5	81.5	W	58.1	89.0	–	61.5	77.2	59.1	55.6
April 1997	87.3	72.9	68.0	94.5	W	73.8	101.7	W	76.2	89.3	72.9	68.9
Missouri												
April 1998	NA	NA	51.9	NA	W	NA	NA	W	61.0	NA	NA	53.3
March 1998	58.1	59.6	48.9	67.7	W	54.6	77.0	W	57.9	61.5	59.7	50.3
April 1997	73.8	68.6	64.8	83.0	W	71.1	92.4	W	73.7	77.1	69.4	66.1

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	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]	
Nebraska												
April 1998	60.5	W	53.7	70.6	–	58.7	70.6	–	62.3	61.7	W	54.5
March 1998	60.7	W	51.3	70.4	–	57.0	69.2	–	59.8	61.8	W	52.2
April 1997	73.7	W	66.1	80.8	–	W	83.0	–	74.3	74.5	W	66.6
North Dakota												
April 1998	W	W	54.5	–	–	NA	–	–	64.2	W	W	55.4
March 1998	W	W	51.8	–	–	60.7	W	–	61.5	W	W	52.8
April 1997	W	W	68.1	–	–	W	W	–	77.4	W	W	68.9
Ohio												
April 1998	67.8	57.8	53.8	77.2	W	60.8	86.4	W	64.9	71.4	59.6	56.1
March 1998	65.6	58.9	50.0	74.8	W	56.6	83.4	62.5	61.9	69.1	59.2	52.3
April 1997	78.3	71.1	66.8	87.4	W	73.0	95.3	W	77.8	81.7	72.7	69.0
Oklahoma												
April 1998	58.4	53.7	50.1	64.7	W	53.7	71.3	W	57.3	61.0	54.5	50.8
March 1998	58.2	50.9	48.3	65.1	W	51.0	71.8	55.6	54.8	60.9	51.7	48.9
April 1997	71.9	65.6	62.0	80.0	64.9	66.9	88.2	73.5	69.4	75.1	65.6	62.7
South Dakota												
April 1998	72.3	54.5	54.7	W	–	60.0	81.7	NA	63.4	72.8	54.9	55.5
March 1998	72.5	49.9	51.8	W	–	58.3	79.9	–	60.3	72.8	49.9	52.8
April 1997	83.9	68.4	68.6	W	–	74.0	93.3	–	78.3	84.3	68.4	69.2
Tennessee												
April 1998	62.1	53.3	50.1	71.7	W	55.1	80.6	57.9	60.8	67.3	54.0	52.9
March 1998	60.8	50.6	46.9	69.9	W	51.9	78.4	55.0	56.9	66.0	51.2	49.7
April 1997	77.7	66.7	63.3	88.0	68.4	68.4	95.3	71.2	74.0	83.1	67.6	66.1
Wisconsin												
April 1998	67.6	52.8	53.8	76.1	W	60.3	82.6	W	63.7	69.9	53.1	55.2
March 1998	63.8	47.6	49.8	72.4	W	56.3	77.9	W	59.2	66.0	48.1	51.2
April 1997	78.9	65.4	65.7	87.3	W	71.8	92.9	W	74.7	81.1	65.5	67.0
PAD District III												
April 1998	59.9	49.0	48.3	70.8	52.0	54.6	78.0	57.1	57.5	64.7	50.0	49.9
March 1998	59.8	47.3	46.6	70.9	49.7	52.5	78.2	54.6	56.2	64.7	48.2	48.3
April 1997	75.9	63.0	62.6	86.3	66.3	69.1	94.0	73.0	72.6	80.7	63.7	64.5
Alabama												
April 1998	60.2	49.2	49.6	70.2	53.0	54.5	79.4	58.5	60.1	65.4	51.4	52.4
March 1998	60.6	46.8	46.9	70.3	W	51.8	79.4	55.3	57.2	65.6	48.9	49.7
April 1997	76.3	63.0	62.9	86.3	66.9	68.1	94.4	72.0	73.6	81.6	65.2	65.7
Arkansas												
April 1998	NA	W	50.1	NA	W	54.1	NA	–	58.1	NA	W	51.9
March 1998	60.1	W	47.1	69.8	–	51.0	79.1	–	54.9	64.0	W	48.8
April 1997	74.8	W	63.3	84.8	W	68.0	94.4	W	72.5	78.7	W	65.2
Louisiana												
April 1998	60.6	48.6	48.0	72.2	W	54.2	80.9	54.8	57.5	66.3	49.7	50.4
March 1998	61.2	47.4	45.9	72.8	W	52.4	81.1	52.8	53.9	66.9	48.2	48.2
April 1997	78.3	63.6	62.4	89.3	W	69.7	97.2	W	75.0	84.4	65.3	65.3
Mississippi												
April 1998	57.5	49.4	48.3	67.7	W	53.3	75.1	56.3	57.6	61.7	51.1	50.3
March 1998	58.0	46.1	45.7	67.9	W	50.7	75.8	54.2	55.7	62.2	47.8	47.9
April 1997	76.8	62.3	61.7	87.1	65.7	67.0	95.7	69.8	71.6	81.0	63.9	63.8
New Mexico												
April 1998	70.4	W	54.2	79.4	–	58.6	88.3	–	63.5	73.4	W	55.7
March 1998	70.2	W	52.4	79.6	–	57.1	87.8	–	61.9	73.3	W	54.0
April 1997	83.8	77.4	72.2	90.8	W	76.4	102.1	W	81.8	86.5	78.5	73.7
Texas												
April 1998	58.9	48.7	47.9	70.2	51.5	54.7	77.0	56.8	56.6	63.9	49.2	49.1
March 1998	58.6	47.4	46.4	70.1	49.7	53.0	77.2	54.4	56.8	63.7	47.9	47.8
April 1997	75.2	62.4	62.2	85.8	W	69.2	93.3	73.0	71.4	79.9	62.9	63.7
PAD District IV												
April 1998	NA	NA	55.0	NA	NA	59.3	NA	NA	64.5	NA	NA	56.9
March 1998	59.3	48.1	50.7	70.8	52.3	54.9	80.1	57.9	60.5	64.8	50.5	52.7
April 1997	84.4	76.5	72.7	97.1	82.2	78.9	106.4	86.1	83.5	90.2	78.2	75.0
Colorado												
April 1998	NA	54.3	54.0	NA	–	58.1	NA	NA	62.8	NA	55.2	55.8
March 1998	59.2	49.9	50.7	71.6	–	54.6	80.8	W	59.7	64.9	51.2	52.5
April 1997	84.0	68.1	66.2	97.4	–	72.0	106.6	W	75.5	89.8	68.8	68.1

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	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]		Through Retail Outlets	Other End Users[a]	
Idaho												
April 1998	61.0	W	55.8	70.9	NA	60.5	78.1	W	65.8	63.1	W	57.4
March 1998	61.7	W	50.3	71.5	W	55.6	79.9	W	60.6	63.8	W	52.1
April 1997	84.3	W	77.9	93.1	W	82.9	100.0	W	88.2	86.6	W	79.5
Montana												
April 1998	W	57.3	55.7	W	–	W	W	W	66.8	W	58.2	57.7
March 1998	W	54.9	53.4	W	–	W	W	W	64.9	W	55.6	55.7
April 1997	W	W	74.0	W	–	W	W	W	86.1	W	W	76.8
Utah												
April 1998	NA	NA	55.2	NA	NA	60.0	NA	NA	64.6	NA	NA	57.5
March 1998	57.8	47.7	48.8	68.5	52.3	54.3	77.8	W	58.7	63.9	50.3	51.4
April 1997	86.4	76.8	78.8	96.4	82.3	84.1	106.5	88.3	88.8	92.5	78.7	81.3
Wyoming												
April 1998	NA	59.5	55.0	NA	–	60.6	85.3	W	64.3	NA	63.3	56.7
March 1998	67.5	57.1	51.2	78.3	–	53.8	82.9	W	60.8	70.7	60.4	53.0
April 1997	84.7	72.7	72.0	W	–	82.2	101.9	W	82.6	88.0	76.5	73.7
PAD District V												
April 1998	68.2	60.8	58.7	76.9	60.7	65.3	88.2	71.8	72.3	72.2	62.3	61.7
March 1998	64.7	53.8	54.2	74.0	57.0	61.4	85.2	66.8	68.5	68.9	55.9	57.4
April 1997	91.7	83.9	80.7	99.8	98.3	89.1	110.6	106.6	95.4	95.4	94.7	83.9
Alaska												
April 1998	107.1	87.2	NA	NA	–	83.9	NA	100.7	79.7	NA	87.9	NA
March 1998	107.7	NA	68.9	107.1	–	85.2	112.4	W	84.8	108.6	81.8	71.0
April 1997	120.8	W	88.8	W	–	107.5	130.9	W	102.9	121.9	W	91.1
Arizona												
April 1998	73.8	60.8	62.1	82.3	–	69.1	92.6	W	76.3	77.2	62.2	64.7
March 1998	68.4	55.6	56.7	78.1	W	65.0	88.3	W	71.3	72.1	57.3	59.4
April 1997	97.7	81.3	81.5	107.0	W	90.6	116.2	W	92.6	101.1	83.4	83.7
California												
April 1998	65.9	63.5	60.2	75.5	NA	65.3	84.8	71.1	72.6	70.1	63.6	63.0
March 1998	62.4	54.2	54.9	72.4	NA	60.9	81.6	NA	68.0	66.8	55.0	58.0
April 1997	89.9	84.6	81.9	98.6	99.1	89.6	108.4	W	96.5	93.8	97.6	85.3
Hawaii												
April 1998	112.0	W	92.9	117.5	W	99.2	126.7	W	105.3	116.4	W	97.1
March 1998	113.1	W	94.3	118.6	W	100.7	126.3	W	106.6	117.1	W	98.6
April 1997	112.4	W	99.1	116.3	W	105.3	127.0	W	111.5	116.6	W	103.5
Nevada												
April 1998	59.7	60.4	52.0	72.1	–	58.6	81.8	–	65.8	64.6	60.4	55.0
March 1998	57.6	59.2	52.3	70.8	–	58.5	79.4	–	65.8	62.6	59.2	55.1
April 1997	85.2	W	78.9	94.8	–	85.0	105.7	–	92.8	89.0	W	81.7
Oregon												
April 1998	64.4	55.4	53.1	75.6	–	60.7	86.8	W	65.9	67.8	55.7	54.9
March 1998	60.9	W	47.6	72.5	–	55.7	83.4	–	62.6	64.3	W	49.8
April 1997	93.9	73.1	76.6	103.4	–	85.9	114.3	W	88.8	96.8	73.4	78.5
Washington												
April 1998	60.4	52.7	54.0	72.3	W	62.0	82.7	–	67.1	64.5	53.0	56.6
March 1998	59.2	46.8	50.2	71.7	W	59.4	82.5	–	64.6	63.5	47.3	53.0
April 1997	86.0	74.3	75.4	96.1	W	84.8	105.6	W	89.5	89.3	75.0	78.2

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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.
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 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
United States						
April 1998	98.6	91.0	46.6	46.6	56.7	46.3
March 1998	98.2	90.4	45.3	45.7	65.3	47.6
April 1997	114.7	108.5	60.3	60.5	69.8	62.1
PAD District I						
April 1998	100.8	91.6	46.1	47.4	NA	47.8
March 1998	99.4	89.4	45.6	46.9	71.5	48.0
April 1997	114.1	105.7	58.8	59.7	NA	61.0
Subdistrict IA						
April 1998	W	90.5	49.3	50.9	70.6	51.2
March 1998	W	W	48.5	49.3	NA	50.1
April 1997	W	109.1	61.5	57.1	W	66.0
Connecticut						
April 1998	W	W	49.8	50.1	W	W
March 1998	W	W	48.9	W	W	W
April 1997	W	W	61.5	W	W	66.0
Maine						
April 1998	W	–	W	W	–	50.4
March 1998	W	–	W	W	–	49.7
April 1997	W	W	W	67.5	–	67.2
Massachusetts						
April 1998	W	NA	48.5	50.4	W	W
March 1998	W	W	47.8	49.5	57.5	W
April 1997	W	W	W	58.6	W	62.6
New Hampshire						
April 1998	W	W	51.9	W	W	W
March 1998	W	W	51.2	W	W	W
April 1997	W	W	63.9	W	–	W
Rhode Island						
April 1998	–	W	W	W	–	W
March 1998	W	W	W	W	–	W
April 1997	–	W	64.0	W	–	W
Vermont						
April 1998	–	NA	W	W	W	W
March 1998	–	NA	W	W	W	W
April 1997	W	–	69.3	W	–	W
Subdistrict IB						
April 1998	104.1	91.1	45.9	47.0	NA	47.3
March 1998	102.5	88.6	45.5	46.4	68.1	47.7
April 1997	116.9	106.0	58.7	60.2	NA	60.9
Delaware						
April 1998	W	W	52.5	52.2	–	W
March 1998	W	W	55.0	50.4	–	W
April 1997	W	W	66.4	W	–	W
District of Columbia						
April 1998	–	–	–	W	–	–
March 1998	–	–	–	W	–	–
April 1997	–	–	–	–	–	–
Maryland						
April 1998	W	W	45.8	W	W	46.1
March 1998	W	W	45.8	47.8	W	47.8
April 1997	W	W	58.4	58.3	W	60.8
New Jersey						
April 1998	W	90.5	45.6	46.2	W	46.4
March 1998	W	88.1	45.3	45.6	W	45.3
April 1997	W	104.0	58.6	59.4	W	58.4
New York						
April 1998	W	W	47.6	48.6	NA	51.4
March 1998	W	W	47.6	48.2	69.8	51.6
April 1997	W	105.9	60.1	61.8	78.6	64.2
Pennsylvania						
April 1998	100.6	95.0	45.4	46.9	74.0	48.6
March 1998	99.9	91.3	44.5	45.8	73.2	49.3
April 1997	114.2	109.6	58.1	59.8	91.7	63.3

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
Subdistrict IC						
April 1998	98.8	91.9	45.9	47.7	76.4	49.0
March 1998	97.6	89.6	45.2	47.1	NA	48.3
April 1997	112.0	105.2	58.4	60.1	NA	60.0
Florida						
April 1998	96.4	89.3	46.0	49.4	W	50.2
March 1998	95.1	88.3	45.4	48.1	97.8	50.2
April 1997	107.8	102.3	58.8	60.7	119.8	60.6
Georgia						
April 1998	97.3	90.5	44.9	45.9	102.6	48.0
March 1998	95.0	89.3	44.1	45.8	NA	47.4
April 1997	111.7	107.2	57.0	59.0	NA	59.0
North Carolina						
April 1998	W	98.2	46.2	47.9	NA	48.0
March 1998	W	92.8	45.8	46.9	68.0	47.4
April 1997	W	109.9	58.1	59.0	W	59.4
South Carolina						
April 1998	W	NA	50.8	49.3	NA	48.6
March 1998	W	NA	49.7	49.1	98.7	48.3
April 1997	115.3	W	62.9	65.8	NA	59.8
Virginia						
April 1998	W	98.1	46.0	48.5	W	49.6
March 1998	W	92.7	45.1	47.6	53.3	48.7
April 1997	W	114.1	58.4	61.0	W	60.3
West Virginia						
April 1998	W	NA	W	50.5	NA	56.1
March 1998	W	W	W	49.7	70.8	54.6
April 1997	W	108.9	W	64.7	83.4	69.5
PAD District II						
April 1998	91.6	NA	47.5	48.7	56.7	53.5
March 1998	90.2	81.9	46.2	47.5	61.6	50.3
April 1997	109.4	100.9	59.3	61.7	68.8	66.0
Illinois						
April 1998	NA	W	45.3	NA	W	52.3
March 1998	NA	W	44.0	48.3	W	47.7
April 1997	W	W	57.6	60.0	NA	63.9
Indiana						
April 1998	W	NA	46.9	NA	W	54.3
March 1998	W	NA	45.8	46.6	W	50.0
April 1997	W	106.3	57.9	58.8	116.2	66.2
Iowa						
April 1998	NA	W	NA	52.4	–	W
March 1998	NA	80.4	49.1	51.5	–	NA
April 1997	W	W	65.3	67.1	–	W
Kansas						
April 1998	W	NA	W	NA	–	NA
March 1998	W	NA	50.9	51.0	–	60.3
April 1997	W	W	W	66.9	–	76.9
Kentucky						
April 1998	W	W	48.0	50.6	91.2	59.3
March 1998	W	W	47.5	48.8	90.5	54.5
April 1997	113.7	W	61.0	W	96.4	69.1
Michigan						
April 1998	W	NA	48.2	48.9	107.1	NA
March 1998	W	72.6	47.2	47.6	110.7	49.7
April 1997	W	91.2	59.8	61.3	117.9	65.6
Minnesota						
April 1998	NA	92.1	51.0	50.9	W	W
March 1998	NA	W	48.2	47.7	W	W
April 1997	W	W	60.5	62.4	W	70.3
Missouri						
April 1998	W	W	48.3	NA	–	NA
March 1998	W	W	47.0	NA	–	53.9
April 1997	W	W	61.8	65.5	–	71.9

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
Nebraska						
April 1998	NA	W	49.1	NA	–	NA
March 1998	NA	W	48.2	NA	–	NA
April 1997	W	W	61.6	65.4	–	W
North Dakota						
April 1998	W	W	NA	NA	–	W
March 1998	W	W	54.7	61.1	–	W
April 1997	W	W	66.9	77.4	–	W
Ohio						
April 1998	94.9	83.3	47.5	47.5	77.1	55.2
March 1998	93.6	79.0	46.6	47.6	NA	51.2
April 1997	W	97.6	59.8	60.5	NA	67.4
Oklahoma						
April 1998	85.3	NA	48.1	45.3	–	W
March 1998	86.5	NA	47.2	45.2	–	57.2
April 1997	W	W	60.8	63.7	–	72.7
South Dakota						
April 1998	NA	NA	NA	NA	–	–
March 1998	NA	NA	50.9	NA	–	–
April 1997	W	W	68.2	W	–	–
Tennessee						
April 1998	W	94.3	45.6	49.8	NA	48.7
March 1998	W	89.8	44.5	49.1	74.2	47.5
April 1997	112.6	105.4	56.9	61.6	83.3	60.4
Wisconsin						
April 1998	–	W	NA	49.2	W	53.8
March 1998	–	W	NA	47.4	W	51.8
April 1997	W	W	58.9	63.2	W	68.1
PAD District III						
April 1998	92.8	NA	44.2	43.6	NA	43.1
March 1998	91.9	NA	43.3	43.5	66.6	42.5
April 1997	104.3	101.3	56.2	57.2	73.2	57.5
Alabama						
April 1998	W	92.8	47.6	50.3	W	51.0
March 1998	96.4	92.6	46.5	48.9	112.3	49.9
April 1997	109.6	106.8	60.0	62.1	W	68.0
Arkansas						
April 1998	W	W	49.1	48.1	–	W
March 1998	W	W	48.1	NA	–	W
April 1997	W	W	61.5	61.8	–	W
Louisiana						
April 1998	94.4	86.0	43.9	43.3	W	W
March 1998	92.5	82.4	43.3	43.1	W	W
April 1997	W	103.4	55.8	56.0	W	W
Mississippi						
April 1998	W	W	42.9	43.6	W	W
March 1998	W	NA	43.1	43.0	W	W
April 1997	W	W	55.3	55.6	W	W
New Mexico						
April 1998	W	W	NA	NA	–	W
March 1998	W	W	NA	NA	–	W
April 1997	W	W	63.5	63.2	–	W
Texas						
April 1998	91.9	80.2	44.2	43.3	W	44.7
March 1998	91.0	79.4	43.1	43.4	50.8	44.4
April 1997	101.2	98.6	56.1	57.4	W	61.5
PAD District IV						
April 1998	98.3	NA	55.9	NA	–	NA
March 1998	98.8	NA	56.6	NA	–	62.0
April 1997	108.0	105.6	69.3	66.9	W	81.4
Colorado						
April 1998	W	W	49.3	NA	–	NA
March 1998	W	W	49.6	NA	–	59.2
April 1997	W	W	62.7	62.7	–	79.2

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
Idaho						
April 1998	W	W	61.0	63.2	–	W
March 1998	W	W	62.5	59.5	–	W
April 1997	W	W	83.3	79.5	–	W
Montana						
April 1998	W	–	67.9	72.1	–	–
March 1998	W	W	66.7	71.7	–	W
April 1997	W	W	83.4	84.6	–	–
Utah						
April 1998	W	91.0	61.0	NA	–	NA
March 1998	W	91.2	61.2	63.2	–	NA
April 1997	W	102.0	76.5	84.1	–	W
Wyoming						
April 1998	W	W	59.4	W	–	–
March 1998	W	W	58.0	NA	–	–
April 1997	W	W	79.3	W	W	–
PAD District V						
April 1998	105.4	105.1	47.7	48.5	W	54.4
March 1998	107.4	106.1	45.0	46.8	110.9	51.0
April 1997	128.7	122.1	63.8	64.9	W	73.7
Alaska						
April 1998	W	118.2	50.9	50.8	W	–
March 1998	W	120.6	47.7	52.1	W	–
April 1997	W	138.7	66.5	67.9	–	–
Arizona						
April 1998	W	96.1	49.5	51.5	–	–
March 1998	W	99.0	47.0	47.6	W	W
April 1997	115.4	113.8	65.2	67.3	–	W
California						
April 1998	110.8	100.6	46.8	48.0	–	51.3
March 1998	108.9	101.5	44.4	45.2	–	48.7
April 1997	127.9	119.4	63.0	63.2	–	66.6
Hawaii						
April 1998	–	W	50.5	W	–	–
March 1998	–	W	48.0	W	–	–
April 1997	–	W	66.7	W	–	–
Nevada						
April 1998	W	97.7	49.7	51.3	–	W
March 1998	–	98.5	46.0	48.5	–	W
April 1997	W	114.8	65.3	67.7	–	–
Oregon						
April 1998	W	W	47.8	50.2	–	58.1
March 1998	W	W	44.1	45.7	–	53.6
April 1997	W	W	63.5	68.0	W	78.4
Washington						
April 1998	W	W	46.7	43.7	W	58.2
March 1998	W	W	43.7	46.1	W	54.6
April 1997	W	W	63.0	69.9	–	79.3

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[a]		No. 4 Fuel[b]	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
United States						
April 1998	56.3	55.4	52.3	47.4	43.8	41.7
March 1998	56.0	54.3	51.1	45.6	46.0	37.5
April 1997	66.3	70.6	64.7	61.0	55.9	49.7
PAD District I						
April 1998	55.8	53.2	51.6	46.0	W	42.3
March 1998	54.1	51.6	51.6	45.6	W	40.6
April 1997	71.5	61.7	62.8	58.6	W	51.5
Subdistrict IA						
April 1998	–	58.4	54.5	47.1	W	W
March 1998	W	55.7	NA	46.8	W	W
April 1997	W	W	65.1	59.7	W	W
Connecticut						
April 1998	–	55.1	50.5	46.0	W	W
March 1998	W	54.2	50.0	45.9	W	W
April 1997	W	W	64.9	59.4	W	W
Maine						
April 1998	–	W	47.6	47.0	–	–
March 1998	–	W	W	46.7	–	–
April 1997	–	W	62.0	60.3	–	–
Massachusetts						
April 1998	–	W	53.9	48.6	W	–
March 1998	W	W	54.3	48.0	W	–
April 1997	W	–	65.6	59.6	W	W
New Hampshire						
April 1998	–	–	70.9	48.2	W	–
March 1998	W	–	NA	47.1	–	–
April 1997	–	W	66.3	59.9	W	–
Rhode Island						
April 1998	–	W	50.6	47.2	–	–
March 1998	W	W	50.1	46.2	W	–
April 1997	–	W	64.3	59.8	W	–
Vermont						
April 1998	–	–	80.3	49.0	W	–
March 1998	W	W	86.6	W	W	–
April 1997	W	–	65.3	W	W	–
Subdistrict IB						
April 1998	55.7	51.8	53.4	45.6	W	42.2
March 1998	53.2	50.9	54.7	45.7	W	40.5
April 1997	72.0	W	65.9	59.3	W	52.1
Delaware						
April 1998	–	–	50.2	W	W	–
March 1998	–	–	49.9	W	W	–
April 1997	–	–	62.0	W	W	–
District of Columbia						
April 1998	–	–	48.4	W	W	–
March 1998	–	–	47.6	W	W	–
April 1997	–	W	W	W	–	–
Maryland						
April 1998	W	–	47.4	46.5	W	W
March 1998	W	W	45.5	45.4	W	W
April 1997	W	W	58.9	58.2	W	W
New Jersey						
April 1998	NA	49.3	50.5	44.4	W	40.9
March 1998	W	W	49.3	45.3	W	39.2
April 1997	–	W	62.6	58.2	W	50.9
New York						
April 1998	W	NA	56.1	46.8	W	42.8
March 1998	W	50.1	59.7	46.7	W	41.4
April 1997	W	66.8	70.6	61.0	W	52.5
Pennsylvania						
April 1998	W	53.9	56.2	45.8	W	–
March 1998	W	48.7	59.9	45.5	W	–
April 1997	W	64.3	69.1	59.7	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[a]		No. 4 Fuel[b]	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Subdistrict IC						
April 1998	W	W	50.5	46.3	W	W
March 1998	54.2	51.5	49.6	44.9	45.6	W
April 1997	–	60.2	60.7	57.3	W	W
Florida						
April 1998	–	–	51.8	46.5	W	–
March 1998	–	–	51.0	45.3	W	–
April 1997	–	–	61.6	57.8	W	–
Georgia						
April 1998	–	–	51.6	45.6	–	–
March 1998	–	–	50.9	44.5	–	–
April 1997	–	W	60.8	56.7	–	–
North Carolina						
April 1998	–	–	48.0	46.0	W	–
March 1998	–	W	46.8	44.5	W	–
April 1997	–	–	58.6	56.7	W	–
South Carolina						
April 1998	–	–	50.8	46.0	W	–
March 1998	–	W	49.9	44.8	W	–
April 1997	–	–	62.4	57.1	W	–
Virginia						
April 1998	W	W	47.1	46.3	W	W
March 1998	54.0	W	46.5	45.1	W	W
April 1997	–	W	58.2	57.0	W	W
West Virginia						
April 1998	–	W	51.5	49.1	–	–
March 1998	W	W	51.1	46.9	–	–
April 1997	–	W	63.0	61.9	–	–
PAD District II						
April 1998	NA	53.2	51.4	48.5	W	W
March 1998	52.5	51.1	50.4	46.2	47.9	W
April 1997	62.7	66.8	63.2	62.3	NA	–
Illinois						
April 1998	W	50.8	51.1	46.3	–	–
March 1998	W	47.1	50.7	44.0	–	–
April 1997	W	62.5	62.5	60.2	–	–
Indiana						
April 1998	W	NA	49.7	47.5	W	–
March 1998	48.0	48.8	48.9	45.4	W	–
April 1997	W	64.6	62.7	61.8	W	–
Iowa						
April 1998	NA	NA	NA	51.3	–	–
March 1998	57.1	53.0	51.1	49.0	–	–
April 1997	W	68.4	63.9	65.4	–	–
Kansas						
April 1998	NA	54.7	49.8	49.4	–	–
March 1998	53.7	50.1	51.3	47.4	–	–
April 1997	–	NA	67.2	63.4	–	–
Kentucky						
April 1998	W	W	51.3	47.6	W	–
March 1998	W	52.3	49.5	46.0	W	–
April 1997	71.5	W	63.6	61.6	W	–
Michigan						
April 1998	W	51.1	50.6	48.2	–	–
March 1998	W	48.1	49.4	45.8	–	–
April 1997	W	64.3	63.7	61.9	–	–
Minnesota						
April 1998	W	53.7	54.8	50.4	–	W
March 1998	56.8	52.2	54.9	48.5	W	W
April 1997	W	68.9	66.7	66.4	W	–
Missouri						
April 1998	NA	55.3	NA	48.0	–	–
March 1998	W	52.4	51.4	46.3	–	–
April 1997	W	66.9	64.8	62.1	–	–

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[a]		No. 4 Fuel[b]	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Nebraska						
April 1998	NA	NA	47.5	51.5	–	–
March 1998	59.1	53.7	46.1	49.0	–	–
April 1997	–	68.6	66.7	65.3	–	–
North Dakota						
April 1998	W	57.0	NA	52.6	–	–
March 1998	54.8	54.1	W	50.3	–	–
April 1997	W	71.4	W	68.8	–	–
Ohio						
April 1998	W	52.0	53.8	49.0	W	–
March 1998	52.6	49.4	52.0	46.9	W	–
April 1997	W	65.0	65.1	62.4	W	–
Oklahoma						
April 1998	W	52.6	50.6	47.5	–	–
March 1998	W	48.4	49.6	46.2	–	–
April 1997	–	67.5	60.6	61.4	–	–
South Dakota						
April 1998	W	NA	55.6	53.4	–	–
March 1998	W	56.1	54.6	51.1	–	–
April 1997	–	74.0	67.3	67.9	–	–
Tennessee						
April 1998	NA	–	51.0	46.0	W	–
March 1998	W	–	50.3	44.8	W	–
April 1997	–	–	60.0	57.3	W	–
Wisconsin						
April 1998	W	51.8	50.3	47.8	–	–
March 1998	NA	49.5	49.1	45.1	W	–
April 1997	W	65.9	63.0	61.9	W	–
PAD District III						
April 1998	–	NA	50.4	44.2	W	W
March 1998	W	NA	48.8	43.5	–	W
April 1997	W	W	61.0	56.4	–	W
Alabama						
April 1998	–	–	48.7	45.4	–	–
March 1998	–	W	48.1	44.3	–	–
April 1997	–	–	59.8	56.6	–	–
Arkansas						
April 1998	–	–	56.7	45.7	–	–
March 1998	–	–	55.9	44.5	–	–
April 1997	–	–	63.8	58.1	–	–
Louisiana						
April 1998	–	–	50.6	42.9	–	–
March 1998	–	–	46.8	42.5	–	–
April 1997	–	–	59.1	54.7	–	–
Mississippi						
April 1998	–	–	46.6	43.8	W	W
March 1998	–	–	45.8	42.7	–	W
April 1997	–	–	58.7	55.5	–	W
New Mexico						
April 1998	–	69.1	66.8	52.5	–	–
March 1998	–	64.5	67.2	50.2	–	–
April 1997	–	NA	77.6	69.8	–	–
Texas						
April 1998	–	W	49.4	44.1	–	–
March 1998	W	W	48.4	43.4	–	–
April 1997	W	W	60.8	56.1	–	–
PAD District IV						
April 1998	NA	64.6	57.5	56.0	–	–
March 1998	60.5	61.1	55.4	52.3	–	–
April 1997	85.5	82.5	73.6	73.6	–	–
Colorado						
April 1998	W	NA	59.9	54.7	–	–
March 1998	W	57.6	56.4	50.5	–	–
April 1997	W	77.3	69.7	68.7	–	–

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[a]		No. 4 Fuel[b]	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
Idaho						
April 1998	W	NA	55.2	56.2	–	–
March 1998	65.3	63.2	53.8	54.2	–	–
April 1997	W	87.0	78.2	77.4	–	–
Montana						
April 1998	–	66.3	56.0	56.9	–	–
March 1998	58.4	62.8	56.6	53.0	–	–
April 1997	87.4	82.9	66.4	73.6	–	–
Utah						
April 1998	NA	NA	56.9	56.1	–	–
March 1998	61.6	64.1	54.9	53.6	–	–
April 1997	W	89.6	79.3	78.4	–	–
Wyoming						
April 1998	64.4	66.0	57.9	56.7	–	–
March 1998	60.5	61.7	55.0	51.0	–	–
April 1997	84.5	84.4	74.4	72.6	–	–
PAD District V						
April 1998	55.9	NA	56.1	52.2	W	W
March 1998	59.2	63.6	53.3	46.7	W	W
April 1997	69.9	83.6	72.7	70.4	W	62.7
Alaska						
April 1998	55.9	NA	NA	43.4	W	–
March 1998	59.1	65.5	77.0	45.5	W	W
April 1997	69.6	84.8	74.8	68.9	W	W
Arizona						
April 1998	–	W	61.1	55.2	–	–
March 1998	W	W	55.4	47.2	–	–
April 1997	–	–	77.0	69.3	–	–
California						
April 1998	–	–	56.5	54.7	–	W
March 1998	–	W	50.7	48.2	–	W
April 1997	–	–	75.3	73.0	–	W
Hawaii						
April 1998	–	–	W	70.0	–	–
March 1998	–	–	W	71.3	–	–
April 1997	–	–	W	81.3	–	–
Nevada						
April 1998	–	NA	57.0	54.7	–	–
March 1998	–	NA	52.5	48.4	–	–
April 1997	–	W	77.4	70.6	–	–
Oregon						
April 1998	–	59.5	50.7	47.6	–	–
March 1998	–	56.8	45.1	42.3	–	–
April 1997	–	65.0	66.1	66.3	–	–
Washington						
April 1998	W	59.5	46.0	47.3	–	–
March 1998	W	55.6	NA	43.5	–	–
April 1997	W	79.3	64.1	65.6	–	W

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
a Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.
b 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."
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	
United States								
April 1998	94.4	84.2	77.3	64.4	28.9	72.6	80.5	31.3
March 1998	93.5	85.5	75.4	64.5	28.7	70.0	82.6	32.3
April 1997	98.5	88.3	76.5	71.4	36.2	78.6	84.6	39.1
PAD District I								
April 1998	117.1	86.4	89.8	61.7	W	78.4	102.0	37.5
March 1998	114.0	88.2	90.2	59.9	W	76.1	102.6	37.7
April 1997	119.5	88.1	74.9	67.0	W	86.6	103.2	43.6
Subdistrict IA								
April 1998	132.8	85.8	NA	54.1	–	103.1	120.3	42.0
March 1998	131.4	85.9	NA	54.8	–	104.4	120.4	43.5
April 1997	126.6	88.6	77.4	62.1	–	NA	111.4	50.5
Subdistrict IB								
April 1998	117.2	86.4	79.3	70.6	–	77.7	103.5	36.7
March 1998	115.4	85.4	85.3	63.4	–	75.3	103.3	37.6
April 1997	123.5	87.8	79.8	73.4	–	83.4	109.2	42.4
Subdistrict IC								
April 1998	108.7	86.5	69.3	W	W	72.7	93.0	36.8
March 1998	107.8	89.9	69.0	W	W	71.8	96.8	36.3
April 1997	111.7	88.0	72.5	W	W	79.0	95.2	42.6
PAD District II								
April 1998	76.4	80.2	74.9	62.9	W	68.9	75.4	30.8
March 1998	77.5	81.6	74.0	61.6	W	65.2	75.9	32.2
April 1997	84.0	84.1	81.4	69.8	38.3	74.0	82.0	39.2
PAD District III								
April 1998	93.3	77.9	NA	NA	28.8	70.3	52.2	29.2
March 1998	94.7	78.0	53.6	77.0	28.5	71.0	58.6	29.4
April 1997	98.9	83.6	75.1	74.0	36.1	79.5	60.2	36.2
PAD District IV								
April 1998	74.9	80.6	57.1	58.7	–	73.4	73.5	29.4
March 1998	76.2	80.5	60.7	61.5	–	74.1	75.3	31.5
April 1997	82.4	86.3	62.9	66.5	–	78.8	80.5	37.9
PAD District V								
April 1998	103.8	89.0	67.8	68.6	–	69.8	91.6	35.5
March 1998	106.5	91.8	70.8	69.6	–	68.5	95.0	37.9
April 1997	114.3	100.7	73.7	81.4	–	75.6	99.9	44.0

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[a] Prices by Sales Type, PAD District, and Selected States[b]

(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[c]	Other End Users[d]	Average	
United States							
April 1998	87.9	55.7	58.5	61.8	63.6	62.7	48.4
March 1998	89.6	54.9	57.5	61.6	62.0	64.5	47.1
April 1997	99.2	67.7	72.1	75.4	77.0	75.8	61.8
PAD District I							
April 1998	88.9	57.7	58.8	62.4	61.9	67.2	47.3
March 1998	90.8	58.6	59.0	62.7	61.9	71.9	47.3
April 1997	100.2	68.4	70.7	74.0	71.3	79.1	60.0
Subdistrict IA							
April 1998	84.9	61.9	66.5	70.5	NA	76.0	48.6
March 1998	87.1	63.9	67.4	71.3	NA	79.7	49.5
April 1997	96.1	73.6	80.4	85.0	68.0	88.4	62.1
Connecticut							
April 1998	86.2	64.0	58.4	73.4	64.3	79.3	48.1
March 1998	88.6	65.2	63.2	74.9	65.1	83.6	48.6
April 1997	97.6	72.3	75.9	88.1	84.6	89.1	61.7
Maine							
April 1998	82.2	64.6	NA	70.4	NA	73.4	49.7
March 1998	83.0	65.1	NA	71.2	NA	75.2	51.4
April 1997	90.9	75.7	NA	83.3	NA	84.7	63.8
Massachusetts							
April 1998	83.9	57.1	77.3	71.9	W	73.9	48.4
March 1998	86.6	59.9	78.4	73.1	NA	78.0	50.1
April 1997	95.9	71.4	87.3	88.2	61.4	88.0	61.7
New Hampshire							
April 1998	82.3	64.4	NA	70.0	NA	74.2	49.6
March 1998	84.4	68.1	61.4	70.2	NA	77.9	49.5
April 1997	95.2	79.4	78.1	82.2	NA	88.7	62.7
Rhode Island							
April 1998	89.1	65.0	63.3	69.1	60.2	80.8	48.0
March 1998	90.2	67.4	68.1	70.7	NA	82.7	47.6
April 1997	99.6	77.5	76.7	84.5	74.9	93.0	61.6
Vermont							
April 1998	89.6	64.3	70.7	NA	72.1	77.8	51.2
March 1998	92.2	65.5	72.2	NA	77.6	82.2	50.0
April 1997	100.4	76.5	81.4	89.2	85.3	92.1	64.6
Subdistrict IB							
April 1998	92.5	58.5	62.1	63.0	66.4	71.3	47.0
March 1998	94.0	60.0	62.0	63.5	67.4	76.6	47.2
April 1997	104.1	69.7	74.2	74.5	75.3	83.5	60.3
Delaware							
April 1998	88.5	NA	66.1	63.5	57.2	66.8	48.8
March 1998	90.6	57.6	64.1	64.5	56.8	73.8	47.3
April 1997	99.1	70.6	74.4	76.7	68.2	82.6	60.0
District of Columbia							
April 1998	100.3	NA	–	W	W	NA	47.7
March 1998	104.9	63.5	–	W	W	81.3	46.4
April 1997	W	71.2	–	W	W	85.5	58.7
Maryland							
April 1998	93.1	58.5	59.4	61.4	64.0	68.5	48.3
March 1998	96.8	57.3	61.1	61.1	63.1	75.1	47.8
April 1997	105.6	68.6	72.1	73.1	75.6	80.8	60.0
New Jersey							
April 1998	91.4	54.3	NA	62.0	NA	69.4	45.5
March 1998	92.6	55.9	NA	62.5	NA	74.5	46.2
April 1997	102.5	65.0	80.0	NA	NA	80.7	58.6
New York							
April 1998	97.1	61.2	57.5	70.0	72.5	77.5	47.7
March 1998	98.3	63.3	60.1	70.5	75.6	82.9	47.8
April 1997	109.7	73.6	73.3	81.5	80.6	91.7	61.9

See footnotes at end of table.

Table 39. No. 2 Distillate[a] Prices by Sales Type, PAD District, and Selected States[b]

(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[c]	Other End Users[d]	Average	
Pennsylvania							
April 1998	84.0	56.4	59.8	61.9	68.2	65.8	47.8
March 1998	86.3	57.6	58.6	62.4	67.3	70.0	47.9
April 1997	95.0	67.4	71.0	73.2	75.6	77.2	61.0
Subdistrict IC							
April 1998	85.2	55.6	56.6	60.9	61.2	59.3	47.0
March 1998	87.2	55.1	56.8	61.2	61.0	60.7	45.9
April 1997	95.2	65.5	68.4	72.7	70.5	70.2	58.0
Virginia							
April 1998	88.1	56.5	50.8	59.5	63.2	61.4	47.1
March 1998	89.6	56.0	53.5	59.7	63.1	65.0	46.0
April 1997	96.7	64.0	63.8	72.0	72.3	71.7	57.7
West Virginia							
April 1998	87.4	53.5	58.0	68.9	NA	60.3	51.0
March 1998	88.6	53.1	56.3	70.4	59.8	61.3	49.1
April 1997	95.7	64.4	69.2	81.2	71.9	72.2	63.8
PAD District II							
April 1998	79.1	53.7	59.5	61.4	66.5	60.4	49.2
March 1998	79.4	52.2	57.8	61.1	64.6	59.6	47.3
April 1997	90.6	65.7	72.1	74.3	79.6	73.0	62.9
Illinois							
April 1998	78.2	53.2	57.4	68.1	70.6	61.6	47.2
March 1998	76.9	52.0	54.3	69.7	69.0	61.2	44.8
April 1997	83.4	66.1	71.1	78.8	83.6	73.8	61.4
Indiana							
April 1998	77.4	52.6	55.9	59.4	68.6	58.2	48.0
March 1998	77.9	51.1	54.2	59.2	66.2	58.0	46.2
April 1997	NA	65.2	71.6	74.8	82.0	72.4	62.6
Michigan							
April 1998	81.8	57.4	59.4	62.2	63.5	62.3	50.3
March 1998	83.3	55.1	58.5	61.6	62.3	62.3	48.3
April 1997	91.7	67.3	73.1	72.5	75.2	72.9	62.1
Minnesota							
April 1998	77.7	58.7	63.9	66.4	68.9	67.0	51.7
March 1998	77.2	58.6	NA	66.8	66.7	66.8	50.2
April 1997	89.7	70.0	79.7	81.4	80.4	80.1	67.0
Ohio							
April 1998	78.6	54.0	60.9	62.2	60.6	59.4	49.9
March 1998	79.3	52.1	59.3	61.0	57.8	58.5	48.0
April 1997	92.4	65.5	73.8	73.5	76.3	71.6	63.5
Wisconsin							
April 1998	81.3	54.9	61.1	63.1	70.7	64.1	48.4
March 1998	82.5	52.9	61.7	63.0	68.1	64.7	45.9
April 1997	92.9	68.1	75.7	75.7	NA	76.3	62.4
PAD District III							
April 1998	63.0	50.2	54.7	57.7	59.6	55.8	45.7
March 1998	62.3	48.8	54.3	57.8	58.2	54.7	45.2
April 1997	79.0	61.0	67.1	70.5	71.8	67.1	56.7
PAD District IV							
April 1998	79.0	60.6	63.4	66.4	69.5	64.8	56.9
March 1998	77.0	57.7	63.2	65.8	67.7	63.2	53.6
April 1997	95.7	75.2	84.0	86.0	88.6	83.1	74.8
Idaho							
April 1998	79.5	61.4	64.3	67.3	69.3	66.9	57.3
March 1998	78.6	59.8	64.8	66.6	68.8	66.4	55.8
April 1997	98.3	83.8	88.0	88.5	90.3	88.3	78.4

See footnotes at end of table.

Table 39. No. 2 Distillate[a] Prices by Sales Type, PAD District, and Selected States[b]

(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[c]	Other End Users[d]	Average	
PAD District V							
April 1998	93.1	57.9	60.2	68.9	61.3	62.6	53.0
March 1998	92.8	53.5	55.5	66.4	59.5	59.0	47.6
April 1997	107.6	74.3	77.5	88.1	82.8	79.9	71.0
Alaska							
April 1998	86.7	NA	66.9	90.4	72.4	75.4	45.7
March 1998	86.2	80.9	67.7	93.2	74.3	79.3	47.9
April 1997	97.5	86.0	77.3	110.3	95.1	88.1	73.0
Oregon							
April 1998	87.0	56.6	58.7	66.2	58.8	60.9	48.0
March 1998	85.8	52.2	54.5	66.0	55.3	58.2	42.8
April 1997	106.1	73.2	76.1	80.7	78.6	78.2	67.0
Washington							
April 1998	100.1	54.3	61.5	67.9	70.4	63.6	48.4
March 1998	99.6	51.4	57.3	68.0	68.6	61.8	44.7
April 1997	114.9	70.8	75.8	85.8	91.2	79.9	66.4

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
a Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.
b Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.
c 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.
d All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

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 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[a]	Other End Users[b]	Average	
United States						
April 1998	54.9	59.0	61.8	63.8	59.4	49.2
March 1998	53.1	57.8	61.6	62.0	58.0	47.2
April 1997	67.2	72.5	75.4	77.4	72.3	62.8
PAD District I						
April 1998	55.8	59.2	62.4	62.4	59.0	47.9
March 1998	55.2	59.2	62.7	61.8	58.7	46.8
April 1997	66.4	70.9	74.0	72.0	70.1	60.1
Subdistrict IA						
April 1998	59.6	73.3	70.5	NA	63.9	49.5
March 1998	60.0	75.1	71.3	NA	64.3	49.3
April 1997	70.7	85.4	85.0	NA	75.9	63.2
Connecticut						
April 1998	62.9	56.7	73.4	63.2	63.3	48.4
March 1998	63.0	59.8	74.9	61.4	63.7	47.7
April 1997	70.3	71.7	88.1	73.1	71.7	62.2
Maine						
April 1998	60.8	60.6	70.4	NA	66.6	52.0
March 1998	59.8	61.4	71.2	NA	67.2	51.5
April 1997	73.7	77.1	83.3	NA	79.5	65.1
Massachusetts						
April 1998	56.3	81.4	71.9	NA	62.5	49.3
March 1998	58.0	85.0	73.1	NA	63.6	49.8
April 1997	70.1	90.9	88.2	71.1	76.8	63.2
New Hampshire						
April 1998	56.2	76.9	70.0	NA	66.0	50.7
March 1998	57.2	74.6	70.2	NA	66.0	50.6
April 1997	74.6	92.6	82.2	NA	80.0	65.4
Rhode Island						
April 1998	58.7	NA	69.1	60.1	59.4	48.4
March 1998	57.8	NA	70.7	NA	58.7	47.8
April 1997	70.9	68.9	84.5	75.4	72.3	61.8
Vermont						
April 1998	61.8	68.2	NA	NA	64.4	53.8
March 1998	60.3	70.9	NA	NA	63.7	54.5
April 1997	72.0	NA	89.2	83.5	78.4	69.7
Subdistrict IB						
April 1998	55.8	63.1	63.0	65.9	59.5	48.2
March 1998	55.1	61.4	63.5	65.6	59.1	47.1
April 1997	67.1	74.9	74.5	75.9	70.9	61.7
Delaware						
April 1998	NA	66.5	63.5	59.7	59.5	47.3
March 1998	56.9	63.6	64.5	59.6	60.1	46.8
April 1997	68.1	74.6	76.7	73.9	71.8	61.0
District of Columbia						
April 1998	50.1	–	W	W	53.1	53.6
March 1998	NA	–	W	W	NA	50.5
April 1997	62.0	–	W	W	66.0	66.4
Maryland						
April 1998	57.3	58.0	61.4	64.1	58.7	49.7
March 1998	54.6	55.7	61.1	60.6	56.4	48.0
April 1997	67.1	69.5	73.1	76.3	69.0	61.1
New Jersey						
April 1998	51.8	NA	62.0	NA	58.5	46.8
March 1998	51.3	NA	62.5	NA	58.3	46.2
April 1997	62.6	NA	NA	NA	69.5	60.9
New York						
April 1998	57.7	59.1	70.0	71.1	61.0	50.3
March 1998	57.2	60.6	70.5	72.9	60.8	49.6
April 1997	70.9	73.8	81.5	80.8	73.9	64.0

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[a]	Other End Users[b]	Average	
Pennsylvania						
April 1998	54.8	59.2	61.9	69.0	59.1	48.3
March 1998	54.6	57.1	62.4	67.8	58.9	47.0
April 1997	65.9	70.7	73.2	75.2	70.2	61.6
Subdistrict IC						
April 1998	55.1	57.0	60.9	61.5	58.0	47.2
March 1998	54.3	57.4	61.2	60.9	57.8	46.0
April 1997	65.1	68.8	72.7	71.0	69.0	58.2
Virginia						
April 1998	56.2	53.9	59.5	61.7	57.7	47.8
March 1998	55.4	55.7	59.7	60.8	57.2	46.6
April 1997	63.2	65.8	72.0	71.1	68.7	58.1
West Virginia						
April 1998	53.0	58.9	68.9	60.1	60.3	51.3
March 1998	51.8	57.2	70.4	60.0	60.0	49.5
April 1997	64.2	70.0	81.2	74.5	71.9	64.4
PAD District II						
April 1998	53.6	60.8	61.4	66.7	59.9	49.5
March 1998	52.0	58.9	61.1	64.9	58.4	47.7
April 1997	65.9	72.8	74.3	80.0	72.5	63.2
Illinois						
April 1998	53.1	61.6	68.1	71.0	62.0	48.0
March 1998	51.7	59.1	69.7	69.6	61.7	45.5
April 1997	65.9	72.2	78.8	84.0	73.8	61.9
Indiana						
April 1998	53.3	60.2	59.4	70.1	58.2	48.2
March 1998	51.4	57.6	59.2	66.9	57.3	46.7
April 1997	66.1	74.2	74.8	83.3	72.6	62.9
Michigan						
April 1998	57.2	59.8	62.2	64.9	60.1	50.8
March 1998	54.8	58.7	61.6	65.3	58.6	49.0
April 1997	67.0	71.6	72.5	78.4	70.5	62.3
Minnesota						
April 1998	60.6	68.2	66.4	68.7	66.7	51.6
March 1998	60.6	NA	66.8	66.2	65.1	49.9
April 1997	72.2	83.4	81.4	80.7	79.8	67.2
Ohio						
April 1998	53.9	60.9	62.2	61.8	58.6	50.4
March 1998	51.8	59.2	61.0	58.9	56.6	48.6
April 1997	65.2	74.1	73.5	77.0	70.3	64.4
Wisconsin						
April 1998	55.0	61.3	63.1	70.3	61.5	48.7
March 1998	52.7	61.6	63.0	66.9	59.4	46.5
April 1997	67.7	77.0	75.7	NA	73.6	63.0
PAD District III						
April 1998	50.3	55.1	57.7	59.6	55.9	46.4
March 1998	49.0	54.7	57.8	58.3	54.8	45.7
April 1997	61.4	67.2	70.5	71.8	67.4	57.1
PAD District IV						
April 1998	60.8	63.8	66.4	69.5	64.9	56.9
March 1998	57.7	63.6	65.8	67.7	63.2	53.6
April 1997	74.5	84.0	86.0	88.6	83.0	74.9
Idaho						
April 1998	59.8	64.2	67.3	69.3	66.4	57.3
March 1998	57.6	64.8	66.6	68.8	65.7	55.8
April 1997	80.7	88.0	88.5	90.3	87.9	78.4

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[a]	Other End Users[b]	Average	
PAD District V						
April 1998	57.6	60.1	68.9	60.7	61.5	53.3
March 1998	53.2	55.4	66.4	59.0	57.7	47.6
April 1997	74.4	77.6	88.1	82.6	79.1	71.0
Alaska						
April 1998	83.4	66.4	90.4	72.4	78.4	49.6
March 1998	86.9	67.2	93.2	75.7	81.6	53.1
April 1997	93.3	77.4	110.3	96.3	91.0	79.9
Oregon						
April 1998	56.5	58.7	66.2	58.7	59.7	48.0
March 1998	52.0	54.5	66.0	55.2	56.5	42.8
April 1997	73.1	76.1	80.7	78.6	76.7	67.0
Washington						
April 1998	54.1	61.5	67.9	69.2	61.2	48.4
March 1998	51.2	57.3	68.0	67.6	58.8	44.7
April 1997	70.6	75.9	85.8	90.7	77.5	66.4

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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.
[b] All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.
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 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[a]	Other End Users[b]	Average		Commercial/ Institutional Consumers	Industrial Consumers	Other End Users[b]	Average	
United States											
April 1998	55.0	58.9	61.8	63.9	59.6	49.7	54.7	59.2	63.6	58.4	46.8
March 1998	53.2	57.4	61.6	61.9	58.5	47.5	52.8	58.2	62.1	56.4	45.2
April 1997	67.8	74.1	75.4	77.4	72.9	63.2	65.6	71.0	77.4	70.6	60.5
PAD District I											
April 1998	54.3	58.6	62.4	57.9	58.2	48.0	59.8	59.9	66.2	61.3	46.8
March 1998	53.9	57.5	62.7	57.3	58.1	47.0	58.6	60.9	65.9	60.8	45.6
April 1997	65.9	72.5	74.0	67.3	70.1	60.3	67.8	69.8	75.7	70.3	57.9
Subdistrict IA											
April 1998	60.7	73.5	70.5	NA	64.6	50.1	54.7	72.5	NA	58.5	47.0
March 1998	61.0	75.4	71.3	NA	65.3	50.6	56.2	73.5	77.0	58.8	46.2
April 1997	71.0	84.7	85.0	NA	76.4	63.5	69.1	90.7	78.3	71.7	60.8
Subdistrict IB											
April 1998	54.8	65.5	63.0	NA	59.2	48.3	59.4	59.4	68.1	61.0	46.3
March 1998	54.3	62.0	63.5	63.6	58.9	47.4	58.3	60.4	68.5	60.3	45.0
April 1997	67.0	76.7	74.5	72.2	70.9	62.0	67.6	71.7	78.6	70.7	58.5
Subdistrict IC											
April 1998	52.4	54.1	60.9	55.3	56.5	47.3	60.4	59.7	65.6	61.6	46.9
March 1998	51.9	53.2	61.2	54.3	56.4	46.1	59.0	60.7	65.2	61.0	45.6
April 1997	63.7	67.6	72.7	65.2	68.6	58.4	67.8	69.3	74.9	70.1	57.1
PAD District II											
April 1998	53.8	59.5	61.4	67.6	60.1	49.5	53.2	61.9	65.3	59.3	49.6
March 1998	52.5	58.0	61.1	65.7	59.0	47.7	51.0	59.5	63.1	56.1	48.1
April 1997	66.2	73.0	74.3	80.6	72.7	63.3	64.8	72.6	78.8	71.7	62.9
PAD District III											
April 1998	52.4	55.3	57.7	59.6	56.8	47.1	47.8	54.8	59.7	53.4	44.6
March 1998	51.9	55.1	57.8	58.7	56.5	46.5	46.2	54.1	57.4	50.6	43.4
April 1997	62.8	68.6	70.5	70.4	68.2	57.7	59.3	65.7	73.1	65.6	55.0
PAD District IV											
April 1998	62.5	63.5	66.4	70.0	65.7	57.1	57.9	64.5	67.9	61.2	NA
March 1998	60.2	63.2	65.8	68.2	64.5	53.6	54.3	65.1	66.2	57.9	53.3
April 1997	76.6	83.1	86.0	88.3	84.2	74.7	72.4	86.3	89.2	78.9	76.1
PAD District V											
April 1998	58.7	62.0	68.9	63.1	63.0	54.1	54.9	56.8	58.7	56.9	48.2
March 1998	52.3	57.2	66.4	59.1	58.2	48.0	55.2	52.3	59.0	56.5	44.9
April 1997	77.1	78.1	88.1	NA	80.8	72.1	67.7	76.5	83.1	73.9	67.0

NA = Not available.

[a] 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.

[b] 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
United States						
April 1998	35.9	33.5	30.8	29.1	32.1	30.8
March 1998	36.7	30.8	26.9	24.4	29.8	27.2
April 1997	44.0	38.2	38.2	35.6	40.2	36.3
PAD District I						
April 1998	35.8	34.8	33.0	32.1	34.1	33.8
March 1998	36.7	33.5	29.6	28.3	32.8	31.9
April 1997	42.6	39.4	38.5	35.6	40.3	37.8
Subdistrict IA						
April 1998	34.3	33.7	34.6	W	34.5	33.6
March 1998	35.1	39.5	33.2	W	34.4	32.5
April 1997	39.5	40.4	38.1	35.2	38.9	36.2
Connecticut						
April 1998	42.6	W	W	W	35.2	W
March 1998	NA	W	W	W	NA	32.7
April 1997	NA	W	–	W	38.0	W
Maine						
April 1998	W	W	33.1	W	34.5	W
March 1998	34.9	W	37.1	W	35.8	35.8
April 1997	41.7	NA	38.8	W	39.9	W
Massachusetts						
April 1998	32.0	33.2	35.9	W	33.9	33.3
March 1998	34.2	36.2	32.1	28.2	33.9	31.2
April 1997	38.9	40.0	36.3	34.6	38.1	35.8
New Hampshire						
April 1998	41.6	–	38.8	–	39.0	–
March 1998	42.8	–	34.3	W	34.6	W
April 1997	NA	W	41.4	W	43.1	W
Rhode Island						
April 1998	36.3	W	W	–	36.2	W
March 1998	39.8	W	W	–	40.9	W
April 1997	44.2	39.8	W	NA	44.9	40.7
Vermont						
April 1998	W	–	35.4	–	35.9	–
March 1998	W	–	35.0	–	35.5	–
April 1997	W	W	41.4	W	41.4	W
Subdistrict IB						
April 1998	38.6	35.3	31.0	32.0	34.4	34.7
March 1998	37.8	33.6	27.6	29.3	33.0	32.8
April 1997	47.2	39.5	37.7	36.5	42.6	39.1
Delaware						
April 1998	NA	NA	32.6	NA	NA	NA
March 1998	33.4	NA	25.0	NA	26.5	NA
April 1997	42.3	W	38.0	W	39.4	W
District of Columbia						
April 1998	W	–	–	–	W	–
March 1998	W	–	–	–	W	–
April 1997	W	–	–	–	W	–
Maryland						
April 1998	W	W	33.2	32.3	33.7	W
March 1998	W	W	31.6	W	W	W
April 1997	W	W	42.1	W	40.9	34.6
New Jersey						
April 1998	35.3	37.5	30.1	30.0	32.4	33.0
March 1998	33.0	32.7	26.7	29.5	29.5	31.8
April 1997	43.9	39.2	37.3	38.2	40.3	38.9
New York						
April 1998	41.1	35.5	31.4	34.1	36.3	35.4
March 1998	41.1	34.3	28.2	NA	36.3	34.1
April 1997	49.8	41.3	39.0	44.3	46.2	41.3
Pennsylvania						
April 1998	36.9	34.3	30.5	W	31.6	34.2
March 1998	35.1	30.9	28.1	W	29.5	30.4
April 1997	42.7	W	35.6	W	37.4	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
Subdistrict IC						
April 1998	32.5	W	33.9	30.9	33.5	32.3
March 1998	35.5	W	30.3	27.2	30.8	27.8
April 1997	39.5	W	39.2	35.9	39.3	37.0
Florida						
April 1998	32.1	W	33.6	30.5	33.0	32.4
March 1998	W	W	29.4	26.9	29.6	28.0
April 1997	37.9	W	39.5	W	39.1	W
Georgia						
April 1998	–	–	34.4	NA	34.4	NA
March 1998	–	–	33.0	NA	33.0	NA
April 1997	–	–	39.5	W	39.5	W
North Carolina						
April 1998	W	–	34.9	W	35.4	W
March 1998	W	W	30.7	31.4	31.5	27.7
April 1997	W	–	38.3	W	39.2	W
South Carolina						
April 1998	W	–	W	W	W	W
March 1998	W	–	W	W	W	W
April 1997	W	–	W	W	W	W
Virginia						
April 1998	NA	W	32.7	W	32.4	W
March 1998	40.9	W	29.8	W	31.2	W
April 1997	45.1	W	38.5	W	39.4	W
West Virginia						
April 1998	W	–	–	–	W	–
March 1998	W	–	W	–	W	–
April 1997	W	W	W	–	W	W
PAD District II						
April 1998	40.6	44.4	33.9	27.2	37.6	33.7
March 1998	37.5	25.9	35.6	26.5	36.8	26.4
April 1997	41.7	38.5	39.1	32.8	39.9	33.3
Illinois						
April 1998	W	W	NA	–	39.4	W
March 1998	W	W	W	W	NA	NA
April 1997	W	W	W	W	42.7	31.8
Indiana						
April 1998	W	W	33.7	W	33.9	W
March 1998	W	W	36.8	W	37.1	W
April 1997	W	W	NA	W	NA	W
Iowa						
April 1998	W	–	–	NA	W	NA
March 1998	–	–	–	–	–	–
April 1997	W	–	–	–	W	–
Kansas						
April 1998	–	–	44.7	W	44.7	W
March 1998	–	–	W	22.7	W	22.7
April 1997	W	–	W	W	42.8	W
Kentucky						
April 1998	W	–	W	–	W	–
March 1998	W	–	W	–	W	–
April 1997	W	–	W	–	W	–
Michigan						
April 1998	44.4	W	36.6	W	42.4	NA
March 1998	39.0	W	42.5	W	39.2	25.1
April 1997	NA	–	38.9	27.1	36.5	27.1
Minnesota						
April 1998	–	–	W	W	W	W
March 1998	–	–	W	W	W	W
April 1997	–	–	W	W	W	W
Missouri						
April 1998	29.7	W	–	–	29.7	W
March 1998	W	W	–	–	W	W
April 1997	W	W	W	–	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
Nebraska						
April 1998	W	–	–	–	W	–
March 1998	W	–	–	–	W	–
April 1997	W	–	–	–	W	–
North Dakota						
April 1998	–	–	W	–	W	–
March 1998	–	–	W	–	W	–
April 1997	–	–	W	–	W	–
Ohio						
April 1998	W	–	28.8	28.1	32.8	28.1
March 1998	47.5	–	30.6	28.3	NA	28.3
April 1997	W	W	39.4	W	43.0	39.1
Oklahoma						
April 1998	–	–	W	–	W	–
March 1998	–	–	W	–	W	–
April 1997	–	–	W	W	W	W
South Dakota						
April 1998	–	–	–	–	–	–
March 1998	–	–	–	–	–	–
April 1997	–	–	–	W	–	W
Tennessee						
April 1998	W	–	W	W	NA	W
March 1998	W	–	W	W	40.8	W
April 1997	W	W	W	W	W	36.2
Wisconsin						
April 1998	W	W	–	W	W	W
March 1998	NA	W	–	W	NA	W
April 1997	–	W	W	W	W	W
PAD District III						
April 1998	–	27.5	29.2	27.9	29.2	27.9
March 1998	–	21.9	24.0	22.2	24.0	22.2
April 1997	W	32.2	36.7	36.4	36.7	36.0
Alabama						
April 1998	–	–	NA	W	NA	W
March 1998	–	W	NA	NA	NA	W
April 1997	W	W	NA	NA	NA	W
Arkansas						
April 1998	–	–	NA	–	NA	–
March 1998	–	–	W	–	W	–
April 1997	–	–	–	–	–	–
Louisiana						
April 1998	–	W	28.1	26.5	28.1	26.5
March 1998	–	26.4	23.4	21.7	23.4	22.2
April 1997	W	W	35.7	34.9	35.7	34.9
Mississippi						
April 1998	–	W	NA	W	NA	27.4
March 1998	–	W	NA	W	NA	24.6
April 1997	–	–	W	W	W	W
New Mexico						
April 1998	–	NA	–	–	–	NA
March 1998	–	W	–	–	–	W
April 1997	–	W	–	–	–	W
Texas						
April 1998	–	28.4	29.7	29.0	29.7	28.9
March 1998	–	NA	22.9	22.3	22.9	21.5
April 1997	W	NA	36.9	39.1	36.9	37.8
PAD District IV						
April 1998	–	25.9	NA	W	NA	22.6
March 1998	W	24.5	W	W	NA	21.3
April 1997	W	32.5	32.5	W	33.3	23.5
Colorado						
April 1998	–	–	W	–	W	–
March 1998	–	–	–	–	–	–
April 1997	–	–	–	–	–	–

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
Idaho						
April 1998	–	–	NA	–	NA	–
March 1998	–	–	NA	–	NA	–
April 1997	W	–	W	–	W	–
Montana						
April 1998	–	–	W	W	W	W
March 1998	–	–	W	–	W	–
April 1997	–	–	W	W	W	W
Utah						
April 1998	–	W	W	–	W	W
March 1998	W	W	NA	–	W	W
April 1997	–	W	W	–	W	W
Wyoming						
April 1998	–	W	W	W	W	20.4
March 1998	–	W	W	W	W	20.8
April 1997	–	W	W	W	W	22.3
PAD District V						
April 1998	34.7	25.4	28.1	28.3	29.7	27.6
March 1998	W	27.4	25.0	25.1	27.3	25.7
April 1997	51.5	34.7	39.7	35.2	43.4	35.1
Alaska						
April 1998	–	–	–	–	–	–
March 1998	–	–	–	–	–	–
April 1997	–	–	–	–	–	–
Arizona						
April 1998	W	W	–	–	W	W
March 1998	W	–	–	–	W	–
April 1997	W	–	W	–	W	–
California						
April 1998	NA	24.8	27.8	29.7	27.8	27.3
March 1998	W	26.1	24.5	26.6	24.5	26.4
April 1997	W	32.7	35.6	34.0	35.8	33.7
Hawaii						
April 1998	W	–	32.4	36.0	34.2	36.0
March 1998	W	–	35.5	W	36.4	W
April 1997	W	–	45.1	W	50.4	W
Nevada						
April 1998	–	W	W	–	W	W
March 1998	–	W	W	–	W	W
April 1997	W	W	–	–	W	W
Oregon						
April 1998	–	–	27.6	33.4	27.6	33.4
March 1998	–	W	25.7	NA	25.7	34.6
April 1997	–	W	W	42.9	W	44.1
Washington						
April 1998	W	W	27.9	27.3	28.0	27.4
March 1998	W	W	23.8	23.8	23.8	23.8
April 1997	–	W	39.1	36.1	39.1	36.1

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.*
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."

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
United States												
April 1998	43,309.9	44,764.3	47,905.3	138,184.2	45,770.0	231,859.5	10,038.1	10,204.0	W	15,984.4	W	27,318.4
March 1998	42,838.3	44,298.9	47,097.4	132,117.9	34,559.3	213,774.5	9,948.1	10,119.7	W	15,761.5	W	27,100.7
April 1997	38,503.8	40,735.9	47,658.5	134,534.5	33,996.0	216,189.0	9,271.4	9,568.8	W	16,052.7	W	28,267.2
PAD District I												
April 1998	10,440.7	11,001.3	16,278.7	43,725.2	6,338.1	66,342.0	2,819.0	2,909.0	4,178.8	6,393.4	–	10,572.2
March 1998	10,401.1	10,956.5	16,098.6	42,302.8	4,367.7	62,769.1	2,769.6	2,855.9	4,123.7	6,258.1	–	10,381.8
April 1997	8,998.0	9,626.1	16,036.1	42,374.7	4,438.4	62,849.2	2,491.7	2,600.1	4,592.6	6,882.8	–	11,475.4
Subdistrict IA												
April 1998	450.8	459.9	W	4,228.0	W	7,814.4	125.9	126.2	604.3	449.5	–	1,053.7
March 1998	425.5	433.6	W	4,235.0	W	7,398.0	118.4	118.7	599.5	438.3	–	1,037.8
April 1997	415.6	430.5	2,782.3	4,266.6	233.2	7,282.1	124.1	133.0	659.8	500.6	–	1,160.4
Connecticut												
April 1998	W	W	844.8	W	W	2,269.3	W	W	191.2	124.8	–	315.9
March 1998	W	W	812.3	1,120.2	330.6	2,263.2	W	W	W	W	–	310.9
April 1997	W	W	842.1	W	W	1,991.7	W	W	W	W	–	325.1
Maine												
April 1998	–	–	W	W	–	929.2	–	–	W	W	–	93.4
March 1998	–	–	W	871.8	W	981.7	–	–	W	W	–	90.0
April 1997	–	–	W	888.1	W	948.5	–	–	W	W	–	115.1
Massachusetts												
April 1998	254.0	256.9	W	1,490.4	W	3,153.1	75.4	75.7	W	W	–	471.6
March 1998	237.5	240.6	1,443.1	1,506.1	–	2,949.2	70.3	70.3	307.0	158.6	–	465.6
April 1997	232.7	242.1	1,441.2	W	W	2,969.4	73.0	81.6	343.3	181.3	–	524.6
New Hampshire												
April 1998	66.0	66.0	171.7	33.9	–	205.6	15.8	15.8	34.4	4.7	–	39.0
March 1998	65.5	65.6	W	W	–	207.6	15.9	15.9	W	W	–	41.6
April 1997	60.5	61.2	175.6	37.3	–	212.9	15.6	15.6	37.2	4.5	–	41.8
Rhode Island												
April 1998	W	W	269.3	W	W	1,110.1	W	W	W	W	–	115.6
March 1998	W	W	255.5	588.1	–	843.6	W	W	53.3	56.3	–	109.6
April 1997	W	W	246.4	W	W	1,024.0	W	W	W	W	–	134.2
Vermont												
April 1998	–	–	W	W	–	147.1	–	–	W	W	–	18.2
March 1998	–	–	W	W	–	152.7	–	–	W	W	–	20.1
April 1997	–	–	W	W	–	135.6	–	–	W	W	–	19.7
Subdistrict IB												
April 1998	3,506.5	3,656.2	W	13,251.2	W	27,705.2	831.9	850.1	2,110.1	1,471.9	–	3,582.0
March 1998	3,477.6	3,625.4	9,063.9	12,540.3	3,615.0	25,219.3	825.2	843.5	2,077.6	1,425.1	–	3,502.7
April 1997	3,378.0	3,533.9	9,117.0	12,441.7	3,549.4	25,108.1	854.5	878.3	2,311.3	1,675.4	–	3,986.8
Delaware												
April 1998	24.6	34.7	219.2	366.5	–	585.7	6.8	6.8	49.6	59.3	–	109.0
March 1998	W	32.3	220.5	299.1	–	519.6	W	W	51.3	50.7	–	102.0
April 1997	W	27.3	200.6	W	W	474.5	W	W	W	W	–	99.9
District of Columbia												
April 1998	–	6.4	W	–	–	113.7	–	W	NA	–	–	NA
March 1998	–	6.8	111.5	–	–	111.5	–	W	NA	–	–	NA
April 1997	–	6.8	123.3	–	–	123.3	–	W	76.6	–	–	76.6
Maryland												
April 1998	–	33.6	W	1,355.4	W	2,940.6	–	W	W	W	–	757.9
March 1998	W	35.9	W	1,379.0	W	2,987.2	W	6.3	W	W	–	762.3
April 1997	W	32.9	1,716.3	W	W	3,486.2	W	5.0	W	W	–	887.8
New Jersey												
April 1998	807.4	829.0	2,581.4	2,498.9	3,944.9	9,025.3	204.1	207.1	566.2	306.7	–	873.0
March 1998	781.2	803.1	2,535.9	2,373.2	2,182.1	7,091.3	197.2	200.3	543.2	303.6	–	846.8
April 1997	773.0	806.1	2,444.6	W	W	6,521.2	207.0	216.1	586.2	315.8	–	902.1
New York												
April 1998	1,325.1	1,362.5	2,672.4	3,987.7	343.3	7,003.5	237.7	243.6	W	W	–	814.8
March 1998	1,313.1	1,350.4	2,644.9	3,741.6	370.0	6,756.5	231.4	237.3	572.7	226.6	–	799.3
April 1997	1,238.4	1,284.0	2,678.4	W	W	6,582.3	240.2	246.5	625.9	257.9	–	883.8
Pennsylvania												
April 1998	1,349.5	1,390.1	1,980.6	5,042.6	1,013.2	8,036.5	383.4	386.0	339.2	616.5	–	955.7
March 1998	1,358.9	1,397.0	W	4,747.3	W	7,753.2	389.8	392.4	W	W	–	922.8
April 1997	1,344.0	1,376.8	1,953.7	4,896.6	1,070.2	7,920.5	399.7	402.1	372.4	764.3	–	1,136.6

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
United States												
April 1998	9,557.3	9,822.1	W	29,532.5	W	52,304.3	62,905.2	64,790.3	76,913.5	183,701.1	50,867.7	311,482.3
March 1998	9,650.2	9,903.4	W	28,609.9	W	50,182.9	62,436.6	64,322.0	76,206.4	176,489.3	38,362.4	291,058.1
April 1997	8,063.3	8,549.2	W	27,495.2	W	48,661.1	55,838.5	58,854.0	77,114.5	178,082.4	37,920.4	293,117.3
PAD District I												
April 1998	3,311.4	3,444.3	8,802.1	12,254.3	1,368.7	22,425.1	16,571.1	17,354.6	29,259.7	62,372.9	7,706.8	99,339.3
March 1998	3,305.6	3,418.9	8,789.9	11,845.2	1,702.3	22,337.3	16,476.4	17,231.3	29,012.2	60,406.1	6,069.9	95,488.2
April 1997	2,683.8	2,820.9	8,632.3	11,318.0	1,490.2	21,440.5	14,173.4	15,047.1	29,261.0	60,575.5	5,928.6	95,765.1
Subdistrict IA												
April 1998	149.3	149.4	W	974.2	W	2,019.5	726.0	735.5	4,392.3	5,651.7	843.6	10,887.6
March 1998	139.7	139.7	W	964.5	W	1,935.5	683.6	692.1	4,287.9	5,637.8	445.5	10,371.3
April 1997	131.5	138.4	903.8	929.1	290.1	2,123.1	671.2	701.9	4,345.9	5,696.4	523.3	10,565.6
Connecticut												
April 1998	W	W	308.4	W	W	675.9	W	W	1,344.3	1,526.0	390.9	3,261.2
March 1998	W	W	W	277.1	W	619.5	W	W	1,294.0	W	W	3,193.6
April 1997	W	W	287.6	251.3	–	539.0	W	W	W	1,449.7	W	2,855.7
Maine												
April 1998	–	–	W	W	–	158.6	–	–	W	W	–	1,181.2
March 1998	–	–	W	W	–	154.7	–	–	W	1,100.2	W	1,226.4
April 1997	–	–	W	W	–	148.9	–	–	W	1,135.3	W	1,212.5
Massachusetts												
April 1998	85.5	85.5	W	363.7	W	874.4	415.0	418.1	2,272.6	W	W	4,499.0
March 1998	79.5	79.5	486.8	367.6	–	854.4	387.4	390.4	2,236.8	2,032.4	–	4,269.2
April 1997	73.3	79.6	477.0	W	W	1,105.2	379.0	403.2	2,261.5	2,016.8	320.9	4,599.2
New Hampshire												
April 1998	18.6	18.6	42.3	5.9	–	48.2	100.4	100.4	248.3	44.5	–	292.8
March 1998	18.1	18.1	42.4	6.0	–	48.4	99.5	99.6	251.0	46.5	–	297.5
April 1997	17.4	17.7	44.4	5.7	–	50.1	93.4	94.5	257.3	47.5	–	304.8
Rhode Island												
April 1998	W	W	83.8	151.0	–	234.8	W	W	W	806.9	W	1,460.5
March 1998	W	W	80.8	145.6	–	226.4	W	W	389.5	790.0	–	1,179.6
April 1997	W	W	W	165.9	W	252.8	W	W	382.4	W	W	1,411.0
Vermont												
April 1998	–	–	W	W	–	27.6	–	–	W	W	–	192.9
March 1998	–	–	W	W	–	32.2	–	–	W	W	–	205.0
April 1997	–	–	W	W	–	27.0	–	–	W	W	–	182.3
Subdistrict IB												
April 1998	1,095.1	1,117.3	W	3,392.4	W	9,835.5	5,433.5	5,623.7	16,529.6	18,115.5	6,477.7	41,122.7
March 1998	1,087.3	1,110.9	5,271.3	3,177.5	1,592.5	10,041.3	5,390.1	5,579.9	16,412.9	17,142.9	5,207.5	38,763.3
April 1997	1,021.7	1,055.7	5,191.6	3,273.7	882.0	9,347.2	5,254.2	5,467.9	16,619.9	17,390.8	4,431.4	38,442.1
Delaware												
April 1998	7.3	8.5	60.6	81.6	–	142.2	38.7	50.0	329.5	507.4	–	836.9
March 1998	W	W	57.5	69.9	–	127.5	W	45.6	329.4	419.7	–	749.1
April 1997	W	W	57.4	57.9	–	115.3	W	41.6	W	345.2	W	689.6
District of Columbia												
April 1998	–	W	W	–	–	NA	–	9.6	335.7	–	–	335.7
March 1998	–	W	NA	–	–	NA	–	9.9	331.8	–	–	331.8
April 1997	–	W	153.4	–	–	153.4	–	10.2	353.3	–	–	353.3
Maryland												
April 1998	–	W	778.6	419.0	–	1,197.5	–	46.1	2,857.2	W	W	4,896.0
March 1998	W	7.8	793.0	416.2	–	1,209.1	W	50.0	2,887.5	W	W	4,958.6
April 1997	W	5.4	813.9	428.2	–	1,242.1	W	43.3	W	2,105.5	W	5,616.1
New Jersey												
April 1998	362.3	366.0	1,581.3	918.7	271.6	2,771.6	1,373.8	1,402.1	4,728.9	3,724.4	4,216.5	12,669.8
March 1998	356.1	360.7	1,567.2	877.3	544.0	2,988.5	1,334.5	1,364.1	4,646.3	3,554.1	2,726.1	10,926.5
April 1997	330.6	348.7	1,542.7	W	W	3,058.4	1,310.6	1,370.9	4,573.6	3,266.3	2,641.9	10,481.7
New York												
April 1998	376.7	381.2	W	858.5	W	3,304.4	1,939.5	1,987.2	5,251.1	W	W	11,122.7
March 1998	368.5	373.9	1,997.3	793.5	778.0	3,568.8	1,913.0	1,961.5	5,214.9	4,761.7	1,148.0	11,124.6
April 1997	339.2	344.1	1,905.0	W	W	2,779.9	1,817.8	1,874.5	5,209.3	4,884.8	151.9	10,246.0
Pennsylvania												
April 1998	348.8	352.6	707.2	1,114.7	447.5	2,269.4	2,081.6	2,128.7	3,027.1	6,773.8	1,460.7	11,261.6
March 1998	356.0	359.5	705.6	1,020.6	270.4	1,996.7	2,104.6	2,148.8	3,003.0	W	W	10,672.6
April 1997	345.5	348.5	719.1	1,128.2	150.8	1,998.1	2,089.2	2,127.4	3,045.2	6,789.0	1,221.0	11,055.3

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Subdistrict IC												
April 1998	6,483.4	6,885.2	4,295.9	26,245.9	NA	30,822.4	1,861.2	1,932.6	1,464.4	4,472.0	–	5,936.5
March 1998	6,498.0	6,897.5	W	25,527.5	W	30,151.8	1,826.1	1,893.6	1,446.5	4,394.7	–	5,841.3
April 1997	5,204.4	5,661.7	4,136.8	25,666.4	655.8	30,459.0	1,513.1	1,588.8	1,621.5	4,706.8	–	6,328.3
Florida												
April 1998	2,956.1	3,107.9	W	6,320.1	W	8,734.0	852.5	884.2	W	W	–	2,033.3
March 1998	3,028.2	3,168.6	W	6,471.5	W	8,928.5	845.8	871.7	W	W	–	2,036.1
April 1997	2,124.6	2,293.5	W	6,641.8	W	8,915.5	652.3	687.0	904.5	1,299.7	–	2,204.2
Georgia												
April 1998	1,332.9	1,404.3	506.7	5,614.9	–	6,121.6	415.2	436.4	222.3	764.0	–	986.3
March 1998	1,303.3	1,374.4	500.1	5,507.5	–	6,007.6	400.5	420.2	220.0	749.1	–	969.1
April 1997	1,013.3	1,095.8	549.9	W	W	6,109.8	310.8	330.2	W	W	–	1,064.5
North Carolina												
April 1998	538.9	637.4	W	W	–	6,600.6	149.5	153.8	W	W	–	1,223.6
March 1998	536.5	637.8	W	6,248.0	W	6,360.5	147.0	150.0	W	W	–	1,223.0
April 1997	461.1	563.2	85.2	6,132.7	281.7	6,499.6	128.6	133.1	31.2	1,263.1	–	1,294.4
South Carolina												
April 1998	586.5	622.7	W	W	–	3,188.8	156.8	162.9	W	W	–	521.1
March 1998	591.3	626.6	W	W	–	3,056.0	154.9	161.4	W	W	–	505.9
April 1997	569.6	608.4	W	2,989.9	W	3,151.7	145.0	147.7	W	W	–	528.8
Virginia												
April 1998	663.9	697.3	1,178.1	W	W	5,696.7	183.3	189.5	W	W	–	1,112.7
March 1998	641.0	682.6	1,147.8	W	W	5,376.3	177.7	188.1	358.0	688.1	–	1,046.2
April 1997	644.1	695.4	1,186.3	W	W	5,374.3	177.1	189.4	422.0	746.6	–	1,168.6
West Virginia												
April 1998	405.1	415.5	126.5	354.1	–	480.6	103.9	105.9	W	W	–	59.5
March 1998	397.6	407.5	119.8	303.1	–	423.0	100.2	102.2	W	W	–	61.0
April 1997	391.6	405.4	32.6	375.5	–	408.1	99.2	101.3	W	W	–	67.8
PAD District II												
April 1998	14,869.9	15,354.8	10,133.1	50,654.6	6,269.8	67,057.5	2,917.9	2,952.5	2,180.5	4,162.9	–	6,343.5
March 1998	14,489.8	15,004.8	9,607.3	46,595.5	5,876.8	62,079.6	2,904.1	2,935.9	2,154.4	4,111.5	–	6,265.8
April 1997	14,369.0	14,926.6	9,958.9	49,798.5	6,637.5	66,394.8	2,924.7	2,963.3	2,260.9	3,610.2	–	5,871.2
Illinois												
April 1998	2,211.9	2,226.8	1,949.1	4,835.0	1,239.7	8,023.8	487.1	487.6	630.9	457.6	–	1,088.5
March 1998	2,173.6	2,187.9	1,828.7	W	W	7,578.1	494.3	494.6	613.9	487.2	–	1,101.1
April 1997	2,148.9	2,176.6	W	4,826.4	W	7,470.1	494.2	494.5	636.3	370.6	–	1,006.8
Indiana												
April 1998	1,205.5	1,224.7	1,130.9	3,343.7	335.4	4,810.0	244.5	245.6	192.7	410.2	–	602.9
March 1998	1,157.7	1,180.7	W	3,146.3	W	4,595.6	250.0	250.5	190.4	375.6	–	566.0
April 1997	1,178.0	1,203.1	1,094.7	3,243.9	572.9	4,911.5	245.6	246.4	210.4	442.6	–	653.0
Iowa												
April 1998	166.7	168.9	NA	2,929.2	–	3,029.1	5.5	5.5	NA	300.6	–	327.0
March 1998	173.3	176.7	W	W	–	2,561.5	4.9	4.9	W	W	–	322.5
April 1997	194.0	197.1	W	3,177.1	W	3,283.7	4.8	4.8	W	W	–	160.6
Kansas												
April 1998	468.2	482.9	W	2,746.4	W	3,554.4	NA	NA	W	W	–	NA
March 1998	464.2	480.5	W	W	651.5	3,283.2	46.9	46.9	W	W	–	67.4
April 1997	463.7	481.9	W	W	625.8	3,411.0	46.5	46.5	W	W	–	52.2
Kentucky												
April 1998	591.0	644.2	346.0	W	W	3,383.7	137.5	139.7	W	W	–	401.6
March 1998	580.6	631.0	342.4	2,880.0	–	3,222.4	136.9	139.0	44.1	356.1	–	400.2
April 1997	562.3	615.5	361.6	2,780.4	–	3,142.0	134.6	135.9	45.8	336.8	–	382.7
Michigan												
April 1998	2,388.8	2,496.7	2,518.7	5,391.8	NA	7,923.3	358.4	360.2	W	W	–	682.6
March 1998	2,330.6	2,455.4	2,444.5	5,083.4	–	7,527.8	359.0	361.8	461.5	217.8	–	679.3
April 1997	2,337.0	2,451.0	2,572.0	5,095.9	–	7,667.9	360.7	363.3	470.2	242.8	–	713.0
Minnesota												
April 1998	913.4	929.2	W	W	314.7	4,042.1	159.8	160.1	W	W	–	618.0
March 1998	863.7	881.3	W	2,977.5	W	3,528.4	153.7	154.0	W	W	–	541.8
April 1997	881.3	902.6	W	W	293.5	4,334.7	131.2	131.4	W	W	–	242.7
Missouri												
April 1998	NA	NA	NA	3,980.2	–	4,365.0	W	NA	NA	81.4	–	NA
March 1998	706.5	724.3	370.2	3,665.9	–	4,036.1	128.0	128.3	107.1	85.7	–	192.8
April 1997	658.9	677.0	W	4,032.2	W	4,503.3	114.8	115.1	W	W	–	182.2

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	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Subdistrict IC												
April 1998	2,067.1	2,177.6	2,577.4	7,887.7	105.0	10,570.1	10,411.6	10,995.4	8,337.8	38,605.7	385.5	47,329.0
March 1998	2,078.6	2,168.3	W	7,703.2	W	10,360.5	10,402.6	10,959.4	8,311.4	37,625.4	416.9	46,353.6
April 1997	1,530.6	1,626.8	2,536.9	7,115.1	318.1	9,970.2	8,248.0	8,877.3	8,295.2	37,488.3	974.0	46,757.5
Florida												
April 1998	1,115.0	1,144.4	1,590.9	W	W	3,650.0	4,923.6	5,136.5	W	9,539.9	W	14,417.4
March 1998	1,130.6	1,154.8	1,616.5	2,028.2	–	3,644.7	5,004.6	5,195.2	4,811.2	W	W	14,609.3
April 1997	785.8	817.2	W	1,896.1	W	3,473.5	3,562.7	3,797.7	W	9,837.5	W	14,593.2
Georgia												
April 1998	402.3	424.5	NA	1,609.5	–	1,881.6	2,150.3	2,265.2	1,001.0	7,988.5	–	8,989.5
March 1998	402.1	426.5	272.4	1,600.3	–	1,872.7	2,105.9	2,221.1	992.5	7,856.9	–	8,849.4
April 1997	285.9	308.7	W	1,521.0	W	2,029.5	1,610.0	1,734.8	W	7,824.6	W	9,203.8
North Carolina												
April 1998	139.2	158.7	W	W	–	2,049.5	827.6	949.9	W	W	–	9,873.7
March 1998	137.1	155.1	W	W	–	1,972.4	820.6	942.8	W	9,410.2	W	9,555.9
April 1997	102.0	120.2	33.9	1,763.1	70.1	1,867.0	691.7	816.6	150.3	9,158.9	351.8	9,661.0
South Carolina												
April 1998	133.8	144.3	W	W	–	899.9	877.0	929.9	W	W	–	4,609.9
March 1998	139.5	149.6	W	W	–	867.2	885.7	937.6	W	W	–	4,429.1
April 1997	115.8	125.2	W	W	–	778.7	830.5	881.3	W	W	111.6	4,459.1
Virginia												
April 1998	215.8	242.8	W	1,270.8	W	1,991.8	1,063.0	1,129.6	2,205.7	W	W	8,801.1
March 1998	209.0	220.3	646.9	W	W	1,914.5	1,027.8	1,091.0	2,152.7	5,919.0	265.2	8,336.9
April 1997	187.6	199.0	639.4	W	W	1,734.4	1,008.8	1,083.8	2,247.7	5,885.2	144.4	8,277.3
West Virginia												
April 1998	61.1	62.9	W	W	–	97.3	570.1	584.2	148.8	488.7	–	637.5
March 1998	60.2	62.0	W	W	–	89.1	558.0	571.6	147.8	425.2	–	573.1
April 1997	53.6	56.3	9.5	77.6	–	87.1	544.4	563.0	W	W	–	563.1
PAD District II												
April 1998	2,411.4	2,475.0	2,629.9	8,093.4	338.7	11,062.0	20,199.2	20,782.3	14,943.5	62,910.9	6,608.5	84,463.0
March 1998	2,487.0	2,558.7	2,565.9	7,776.4	271.5	10,613.8	19,880.8	20,499.3	14,327.5	58,483.4	6,148.3	78,959.2
April 1997	2,291.9	2,354.6	2,604.5	7,594.3	248.3	10,447.1	19,585.6	20,244.4	14,824.3	61,003.0	6,885.8	82,713.1
Illinois												
April 1998	473.3	477.1	789.2	736.4	59.4	1,585.0	3,172.4	3,191.5	3,369.2	6,029.1	1,299.1	10,697.4
March 1998	495.5	499.9	766.1	W	W	1,587.9	3,163.4	3,182.5	3,208.7	5,751.5	1,306.9	10,267.1
April 1997	432.1	436.2	W	757.1	W	1,514.2	3,075.1	3,107.2	3,175.3	5,954.0	861.8	9,991.2
Indiana												
April 1998	201.8	201.9	275.1	616.3	NA	892.6	1,651.8	1,672.2	1,598.7	4,370.2	336.6	6,305.5
March 1998	222.0	222.1	W	599.5	W	893.2	1,629.8	1,653.3	1,540.0	4,121.4	393.5	6,054.8
April 1997	205.9	206.6	257.6	620.6	–	878.2	1,629.5	1,656.2	1,562.7	4,307.1	572.9	6,442.7
Iowa												
April 1998	15.1	15.4	W	W	–	260.3	187.3	189.8	W	W	–	3,616.4
March 1998	15.7	16.0	W	W	–	239.8	193.8	197.6	W	W	–	3,123.9
April 1997	16.7	16.8	W	W	–	249.1	215.6	218.7	W	3,543.7	W	3,693.4
Kansas												
April 1998	55.1	56.8	W	W	W	297.8	570.1	586.4	NA	W	W	3,918.7
March 1998	60.5	62.3	W	255.7	W	285.8	571.5	589.6	W	2,816.2	W	3,636.4
April 1997	51.8	53.3	W	244.9	W	288.3	562.1	581.8	W	2,934.0	W	3,751.5
Kentucky												
April 1998	106.4	112.7	89.9	718.9	–	808.8	834.8	896.6	W	4,080.2	W	4,594.1
March 1998	109.7	116.9	91.7	704.4	–	796.1	827.3	886.8	478.2	3,940.5	–	4,418.7
April 1997	98.4	103.0	84.1	601.4	–	685.5	795.4	854.4	491.6	3,718.6	–	4,210.2
Michigan												
April 1998	269.1	288.7	525.3	W	W	1,389.9	3,016.3	3,145.6	W	6,467.9	W	9,995.7
March 1998	272.4	294.2	516.2	844.3	–	1,360.5	2,961.9	3,111.4	3,422.1	6,145.4	–	9,567.5
April 1997	279.7	297.6	553.5	818.9	–	1,372.4	2,977.4	3,111.9	3,595.7	6,157.6	–	9,753.3
Minnesota												
April 1998	102.0	102.0	W	404.1	W	477.5	1,175.3	1,191.3	W	4,359.5	W	5,137.7
March 1998	90.9	90.9	W	W	W	409.0	1,108.4	1,126.2	W	3,786.7	W	4,479.1
April 1997	86.0	86.1	W	326.2	W	383.9	1,098.5	1,120.2	W	4,260.0	W	4,961.3
Missouri												
April 1998	NA	NA	W	567.8	W	674.5	W	NA	W	4,629.5	W	5,228.2
March 1998	108.4	108.8	101.6	532.2	–	633.8	942.8	961.5	578.9	4,283.8	–	4,862.7
April 1997	96.8	99.1	W	W	–	656.4	870.5	891.2	W	4,630.8	W	5,341.9

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Nebraska												
April 1998	83.7	84.6	NA	1,748.2	–	1,863.8	1.4	W	NA	83.1	–	103.1
March 1998	88.5	89.5	109.3	1,478.2	–	1,587.5	W	W	W	W	–	98.2
April 1997	105.8	107.2	134.6	W	W	1,869.3	W	W	W	W	–	W
North Dakota												
April 1998	W	3.6	NA	835.7	–	907.5	–	–	NA	28.9	–	NA
March 1998	W	W	W	W	–	788.0	–	–	W	W	–	43.1
April 1997	W	W	W	W	–	866.9	–	–	W	W	–	W
Ohio												
April 1998	3,759.1	3,935.7	W	4,438.6	W	6,936.0	881.4	908.7	W	W	–	799.1
March 1998	3,629.7	3,798.9	2,164.1	W	W	6,642.5	869.1	894.1	W	W	–	820.6
April 1997	3,721.9	3,917.1	W	4,125.9	W	6,441.5	899.3	930.7	W	W	–	787.1
Oklahoma												
April 1998	716.8	744.7	W	W	3,451.0	6,609.4	125.9	126.1	W	W	–	43.1
March 1998	686.4	727.1	W	W	3,114.7	5,903.6	119.9	120.1	W	W	–	41.9
April 1997	604.4	647.5	W	3,177.0	W	6,978.9	116.8	117.0	W	W	–	83.4
South Dakota												
April 1998	W	14.0	NA	934.3	–	962.0	W	W	NA	59.0	–	68.4
March 1998	W	W	24.6	799.9	–	824.6	W	W	W	W	–	62.4
April 1997	W	W	30.3	1,018.3	–	1,048.7	W	W	W	W	–	15.6
Tennessee												
April 1998	1,047.5	1,071.8	275.7	5,170.4	–	5,446.1	265.6	266.2	92.8	887.4	–	980.2
March 1998	1,016.7	1,042.9	256.4	4,929.1	–	5,185.5	259.9	260.3	92.7	895.9	–	988.6
April 1997	906.5	933.5	W	5,094.5	W	5,801.8	300.2	301.7	W	W	–	1,214.5
Wisconsin												
April 1998	607.0	614.2	NA	4,803.4	–	5,201.2	79.9	80.0	NA	259.8	–	330.6
March 1998	603.2	611.4	374.4	W	W	4,814.9	79.9	80.0	W	W	–	339.9
April 1997	588.5	596.1	385.0	4,278.6	–	4,663.6	73.6	73.7	W	W	–	316.3
PAD District III												
April 1998	6,619.6	6,782.9	1,737.1	27,849.7	27,417.1	57,003.9	1,670.8	1,688.4	516.7	3,668.6	–	4,185.3
March 1998	6,582.2	6,743.8	1,741.8	27,180.0	19,203.1	48,124.9	1,677.6	1,695.6	518.0	3,621.4	–	4,139.4
April 1997	6,122.7	6,785.2	1,753.8	26,345.1	16,906.3	45,005.2	1,663.2	1,699.6	601.0	3,753.8	–	4,354.8
Alabama												
April 1998	259.4	287.2	82.5	3,584.3	–	3,666.9	75.8	81.5	30.4	646.9	–	677.3
March 1998	264.6	292.4	80.8	3,485.5	–	3,566.3	79.1	84.7	30.4	636.1	–	666.5
April 1997	208.4	237.9	W	3,557.5	W	3,672.2	71.1	79.2	W	W	–	679.9
Arkansas												
April 1998	NA	NA	W	2,848.4	W	3,132.8	NA	NA	W	W	–	335.7
March 1998	198.3	200.4	W	2,717.0	W	3,126.9	39.4	39.4	W	W	–	330.2
April 1997	192.6	196.5	W	W	392.4	2,984.5	44.1	44.5	W	W	–	302.8
Louisiana												
April 1998	711.1	724.0	221.0	2,953.8	1,624.0	4,798.8	215.4	216.1	91.9	514.3	–	606.1
March 1998	714.6	726.1	228.5	2,853.4	1,745.0	4,826.9	215.5	215.9	96.2	505.5	–	601.7
April 1997	437.8	457.8	256.3	W	W	4,509.9	161.1	165.9	107.6	560.6	–	668.3
Mississippi												
April 1998	104.2	116.7	6.7	W	W	3,277.4	23.7	27.4	W	W	–	341.5
March 1998	99.0	112.1	7.0	W	W	2,870.5	22.7	25.5	W	W	–	350.9
April 1997	73.9	96.8	W	2,260.2	W	3,199.9	17.8	21.6	W	W	–	374.0
New Mexico												
April 1998	449.2	451.8	W	W	–	1,451.1	83.7	83.7	W	W	–	142.8
March 1998	437.2	439.4	W	W	–	1,364.0	83.4	83.4	W	W	–	141.6
April 1997	356.3	376.8	W	W	–	1,446.5	63.2	64.9	W	W	–	148.5
Texas												
April 1998	4,891.3	4,995.5	1,309.2	14,758.5	24,609.3	40,677.0	1,232.4	1,239.7	377.0	1,704.9	–	2,081.8
March 1998	4,868.5	4,973.5	1,310.3	14,543.1	16,516.9	32,370.3	1,237.4	1,246.9	372.4	1,676.1	–	2,048.5
April 1997	4,853.6	5,419.4	1,324.4	13,571.9	14,295.8	29,192.2	1,305.9	1,323.5	442.9	1,738.5	–	2,181.4
PAD District IV												
April 1998	NA	NA	709.8	W	W	6,076.7	NA	NA	W	W	–	751.8
March 1998	1,735.0	1,836.1	W	5,135.8	W	5,855.7	598.3	621.6	W	W	–	764.8
April 1997	1,541.0	1,636.5	W	5,663.5	W	6,375.0	553.7	573.9	174.4	620.2	–	794.6
Colorado												
April 1998	NA	NA	W	1,917.0	W	2,067.1	NA	NA	W	W	–	329.5
March 1998	1,223.7	1,224.7	W	1,894.3	W	2,076.1	406.1	406.1	W	W	–	328.5
April 1997	1,212.3	1,214.1	W	2,119.9	W	2,316.3	414.8	414.8	W	W	–	308.0

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Nebraska												
April 1998	9.8	W	NA	114.3	–	135.4	94.9	95.9	NA	1,945.6	–	2,102.2
March 1998	W	W	W	W	–	125.6	100.9	101.9	W	W	–	1,811.3
April 1997	W	W	W	98.1	–	W	116.7	118.1	157.9	W	W	2,025.0
North Dakota												
April 1998	–	–	NA	45.5	–	55.2	W	3.6	NA	910.1	–	1,005.9
March 1998	W	W	W	W	–	51.4	W	4.3	W	W	–	882.5
April 1997	W	W	W	40.3	–	W	W	4.0	W	W	–	942.8
Ohio												
April 1998	544.2	566.0	517.5	W	W	1,392.0	5,184.7	5,410.4	W	5,577.8	W	9,127.1
March 1998	558.9	581.1	505.1	732.0	–	1,237.1	5,057.7	5,274.1	W	5,397.9	W	8,700.2
April 1997	563.3	588.4	522.6	W	W	1,232.8	5,184.5	5,436.2	W	5,140.5	W	8,461.4
Oklahoma												
April 1998	135.4	140.8	W	560.9	W	681.5	978.1	1,011.6	W	3,689.5	W	7,334.0
March 1998	127.1	135.5	W	497.1	W	645.5	933.4	982.8	W	3,262.7	W	6,591.1
April 1997	105.3	105.5	W	524.7	W	679.7	826.5	870.0	W	W	3,894.8	7,742.0
South Dakota												
April 1998	0.7	W	NA	56.8	–	61.8	13.7	15.0	NA	1,050.1	–	1,092.2
March 1998	W	W	W	W	–	63.5	W	13.8	39.3	911.2	–	950.5
April 1997	W	W	W	W	–	68.6	W	17.4	40.4	1,092.5	–	1,132.9
Tennessee												
April 1998	330.4	334.3	121.4	1,600.0	–	1,721.4	1,643.4	1,672.4	489.9	7,657.8	–	8,147.7
March 1998	345.0	349.4	109.5	1,585.6	–	1,695.1	1,621.6	1,652.6	458.5	7,410.6	–	7,869.1
April 1997	279.2	285.3	W	W	–	1,716.0	1,485.9	1,520.5	W	7,785.9	W	8,732.3
Wisconsin												
April 1998	66.0	66.2	NA	556.8	–	628.3	752.8	760.4	NA	5,620.1	–	6,160.1
March 1998	69.1	69.7	69.9	519.5	–	589.4	752.2	761.1	W	5,217.6	W	5,744.3
April 1997	67.0	67.1	W	W	–	551.4	729.1	736.9	536.2	4,995.0	–	5,531.2
PAD District III												
April 1998	1,639.9	1,659.1	727.9	6,327.8	2,461.4	9,517.2	9,930.3	10,130.4	2,981.7	37,846.2	29,878.5	70,706.4
March 1998	1,636.1	1,654.2	721.0	6,128.2	1,275.9	8,125.1	9,895.8	10,093.6	2,980.7	36,929.6	20,478.9	60,389.3
April 1997	1,452.1	1,494.9	755.1	5,716.4	1,425.6	7,897.1	9,238.0	9,979.7	3,110.0	35,815.3	18,331.9	57,257.2
Alabama												
April 1998	69.2	76.6	37.2	1,115.5	–	1,152.7	404.3	445.3	150.2	5,346.7	–	5,496.9
March 1998	70.5	78.1	35.7	1,092.2	–	1,127.9	414.2	455.2	146.9	5,213.7	–	5,360.6
April 1997	60.6	68.6	35.6	1,063.8	–	1,099.4	340.1	385.7	149.8	W	W	5,451.5
Arkansas												
April 1998	NA	NA	W	W	W	766.7	NA	NA	W	3,810.8	W	4,235.2
March 1998	36.5	36.5	W	W	W	715.4	274.2	276.3	W	3,643.0	W	4,172.5
April 1997	30.3	30.6	W	579.0	W	628.0	267.1	271.6	W	3,449.4	W	3,915.3
Louisiana												
April 1998	192.5	195.3	160.5	869.7	315.9	1,346.1	1,118.9	1,135.3	473.4	4,337.7	1,939.9	6,751.0
March 1998	195.0	197.0	165.8	849.7	475.6	1,491.1	1,125.1	1,139.0	490.5	4,208.5	2,220.6	6,919.7
April 1997	146.7	150.6	180.3	W	W	1,038.2	745.6	774.3	544.2	4,377.3	1,294.9	6,216.4
Mississippi												
April 1998	22.3	25.5	W	655.1	W	764.8	150.1	169.6	10.6	W	W	4,383.7
March 1998	21.1	24.0	W	W	W	686.5	142.8	161.5	11.3	W	W	3,908.0
April 1997	13.6	18.9	W	W	W	681.3	105.2	137.3	12.4	3,240.8	1,002.0	4,255.2
New Mexico												
April 1998	55.3	55.3	W	W	–	233.2	588.2	590.8	W	W	–	1,827.0
March 1998	58.1	58.1	W	W	–	220.4	578.6	580.9	W	W	–	1,726.1
April 1997	43.3	46.1	W	W	–	218.8	462.8	487.8	W	W	–	1,813.8
Texas												
April 1998	1,264.3	1,270.0	508.6	2,833.1	1,911.9	5,253.6	7,388.0	7,505.2	2,194.8	19,296.5	26,521.2	48,012.5
March 1998	1,254.8	1,260.4	498.7	2,722.5	662.5	3,883.7	7,360.8	7,480.7	2,181.4	18,941.7	17,179.4	38,302.5
April 1997	1,157.6	1,180.1	522.3	2,437.5	1,271.6	4,231.5	7,317.1	7,923.1	2,289.7	17,747.9	15,567.5	35,605.1
PAD District IV												
April 1998	NA	NA	159.5	1,108.8	–	1,268.3	NA	NA	W	7,046.9	W	8,096.8
March 1998	390.1	417.2	W	W	–	1,282.1	2,723.4	2,874.9	W	6,862.2	W	7,902.6
April 1997	314.3	325.2	W	1,195.7	W	1,372.3	2,409.0	2,535.6	W	7,479.4	W	8,542.0
Colorado												
April 1998	NA	NA	W	W	–	399.0	NA	NA	W	2,547.0	W	2,795.6
March 1998	269.9	270.1	W	W	–	432.6	1,899.7	1,900.9	W	2,536.7	W	2,837.3
April 1997	231.6	231.8	W	W	W	433.6	1,858.7	1,860.8	W	2,738.2	W	3,057.9

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Idaho												
April 1998	W	115.4	W	W	–	978.0	W	W	W	W	–	105.5
March 1998	98.8	111.7	169.5	801.8	–	971.3	9.9	11.3	W	W	–	110.5
April 1997	32.8	45.8	170.4	808.7	–	979.0	5.3	6.7	32.9	85.4	–	118.3
Montana												
April 1998	W	12.9	W	W	–	1,038.9	W	W	–	W	–	W
March 1998	W	13.0	W	W	–	950.2	W	W	–	W	–	W
April 1997	W	13.5	W	W	–	1,212.1	W	W	–	W	–	W
Utah												
April 1998	NA	NA	394.5	1,077.0	–	1,471.5	NA	NA	72.1	212.4	–	284.5
March 1998	365.8	449.6	365.4	995.3	–	1,360.7	174.8	196.6	W	W	–	276.8
April 1997	250.2	325.2	W	W	–	1,414.2	126.7	145.5	W	W	–	305.4
Wyoming												
April 1998	NA	NA	W	W	–	521.2	NA	NA	–	W	–	W
March 1998	W	37.0	W	W	–	497.4	W	W	–	W	–	W
April 1997	W	37.9	W	W	–	453.4	W	W	–	W	–	W
PAD District V												
April 1998	9,586.8	9,729.2	19,046.6	W	W	35,379.4	2,009.3	2,018.9	4,245.7	W	W	5,465.7
March 1998	9,630.2	9,757.7	W	10,903.7	W	34,945.2	1,998.5	2,010.7	W	W	W	5,549.0
April 1997	7,473.2	7,761.5	W	10,352.7	W	35,564.7	1,638.1	1,731.9	W	1,185.6	W	5,771.2
Alaska												
April 1998	222.8	229.1	W	260.5	W	745.7	NA	NA	W	W	–	8.0
March 1998	200.4	205.1	W	210.5	W	324.8	15.8	15.8	W	W	–	8.1
April 1997	172.2	184.3	W	W	–	303.4	W	W	W	W	–	12.0
Arizona												
April 1998	1,846.6	1,856.8	1,241.3	W	W	2,364.1	300.5	300.5	182.2	69.8	–	252.0
March 1998	1,851.4	1,862.5	1,275.3	1,019.3	148.7	2,443.3	293.1	293.6	189.5	68.2	–	257.6
April 1997	1,072.3	1,083.8	1,251.5	823.3	560.5	2,635.4	168.3	169.1	191.7	73.8	–	265.5
California												
April 1998	5,535.2	5,582.5	13,997.9	4,237.3	4,216.4	22,451.6	1,352.3	1,354.9	3,413.9	W	W	4,094.7
March 1998	5,568.4	5,608.3	13,859.5	4,576.0	4,025.2	22,460.6	1,350.4	1,354.8	3,444.9	W	W	4,138.8
April 1997	4,783.4	4,959.1	14,508.4	3,996.2	4,753.1	23,257.7	1,195.9	1,280.7	3,672.7	W	W	4,275.7
Hawaii												
April 1998	138.4	197.9	W	W	–	394.0	23.1	29.9	W	W	–	91.5
March 1998	141.3	199.2	333.5	57.3	–	390.8	23.1	30.2	W	W	–	94.7
April 1997	132.8	188.9	348.6	51.0	–	399.6	25.3	33.4	W	W	–	97.8
Nevada												
April 1998	141.8	152.5	799.6	W	W	1,468.3	29.4	29.4	117.9	80.2	–	198.2
March 1998	149.3	157.5	798.9	W	W	1,427.6	30.3	30.3	158.7	47.9	–	206.6
April 1997	94.3	102.3	723.4	W	W	1,402.0	W	W	155.0	65.7	–	220.7
Oregon												
April 1998	485.6	490.0	827.0	1,792.3	326.8	2,946.1	60.7	60.7	90.3	118.5	–	208.8
March 1998	490.1	491.6	812.0	W	W	2,868.8	61.0	61.0	94.6	122.6	–	217.2
April 1997	307.5	324.2	W	1,733.5	W	2,842.9	39.0	39.0	87.2	118.8	–	206.0
Washington												
April 1998	1,216.4	1,220.5	W	2,722.4	W	5,009.5	226.1	226.3	W	W	–	612.6
March 1998	1,229.4	1,233.6	W	2,676.6	W	5,029.3	224.8	224.9	356.9	269.1	–	626.0
April 1997	910.8	919.0	1,636.0	2,943.2	144.5	4,723.7	170.4	170.5	337.1	356.4	–	693.4

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Idaho												
April 1998	8.9	W	29.9	116.2	–	146.2	120.0	135.7	W	W	–	1,229.6
March 1998	8.2	8.5	W	W	–	154.8	116.9	131.5	230.4	1,006.2	–	1,236.6
April 1997	W	3.4	31.2	105.6	–	136.9	W	55.9	234.5	999.7	–	1,234.2
Montana												
April 1998	W	W	W	220.6	–	W	W	16.6	W	W	–	1,287.6
March 1998	W	W	–	W	–	W	W	16.9	W	W	–	1,211.2
April 1997	W	W	W	350.6	–	W	W	17.2	W	W	–	1,623.0
Utah												
April 1998	NA	NA	85.8	302.7	–	388.5	NA	NA	552.3	1,592.2	–	2,144.5
March 1998	104.5	128.4	W	W	–	364.6	645.0	774.7	505.1	1,497.1	–	2,002.2
April 1997	73.1	80.3	89.4	277.4	–	366.8	450.0	551.0	500.5	1,585.8	–	2,086.4
Wyoming												
April 1998	W	9.1	W	W	–	W	W	NA	W	W	–	639.4
March 1998	W	W	W	W	–	W	W	50.9	W	W	–	615.4
April 1997	5.0	W	W	W	–	W	43.6	50.8	W	W	–	540.6
PAD District V												
April 1998	1,806.7	1,830.4	W	1,748.1	W	8,031.8	13,402.8	13,578.6	W	13,524.2	W	48,876.8
March 1998	1,831.4	1,854.4	5,571.1	W	W	7,824.6	13,460.1	13,622.8	W	13,808.0	W	48,318.8
April 1997	1,321.3	1,553.6	5,113.7	1,670.9	719.5	7,504.1	10,432.6	11,047.1	W	13,209.2	W	48,840.0
Alaska												
April 1998	NA	NA	13.0	34.0	–	46.9	NA	NA	89.2	W	W	800.6
March 1998	53.5	53.7	W	W	–	41.7	269.7	274.7	W	239.5	W	374.6
April 1997	W	W	15.6	25.3	–	40.9	221.8	235.2	W	W	–	356.3
Arizona												
April 1998	310.8	311.7	267.1	W	W	427.1	2,457.9	2,468.9	1,690.6	1,173.0	179.6	3,043.2
March 1998	319.6	320.6	277.8	163.2	–	441.0	2,464.1	2,476.7	1,742.5	1,250.6	148.7	3,141.9
April 1997	172.9	174.1	224.0	142.4	92.1	458.5	1,413.5	1,427.0	1,667.2	1,039.5	652.7	3,359.4
California												
April 1998	1,113.4	1,115.1	4,286.0	W	W	5,725.5	8,000.8	8,052.5	21,697.9	5,617.0	4,957.0	32,271.9
March 1998	1,132.7	1,134.3	4,429.2	W	W	5,617.6	8,051.5	8,097.3	21,733.6	5,985.5	4,497.9	32,217.0
April 1997	894.1	1,103.9	4,129.4	W	W	5,351.5	6,873.3	7,343.6	22,310.6	5,297.3	5,277.0	32,884.9
Hawaii												
April 1998	56.8	77.3	W	W	–	179.5	218.3	305.2	W	W	–	665.0
March 1998	58.1	78.3	W	W	–	182.9	222.5	307.7	590.1	78.3	–	668.4
April 1997	53.9	72.9	W	W	–	197.1	212.1	295.3	622.3	72.2	–	694.4
Nevada												
April 1998	27.5	27.5	195.4	W	W	336.0	198.6	209.3	1,112.9	791.1	98.5	2,002.5
March 1998	29.3	29.3	196.8	W	W	311.6	208.9	217.1	1,154.4	703.5	87.9	1,945.8
April 1997	W	W	176.4	W	W	294.8	128.7	136.7	1,054.8	W	W	1,917.5
Oregon												
April 1998	60.4	60.6	119.6	218.0	55.6	393.2	606.7	611.3	1,036.9	2,128.8	382.4	3,548.1
March 1998	61.1	61.1	121.5	W	W	375.9	612.1	613.6	1,028.1	2,176.0	257.8	3,461.9
April 1997	37.6	38.0	W	209.2	W	391.1	384.1	401.2	860.1	2,061.4	518.5	3,440.0
Washington												
April 1998	178.1	178.1	370.1	W	W	923.5	1,620.7	1,624.9	W	3,425.1	W	6,545.5
March 1998	177.1	177.1	W	428.9	W	853.9	1,631.3	1,635.7	W	3,374.5	W	6,509.1
April 1997	117.9	118.5	300.1	431.0	39.2	770.2	1,199.0	1,208.0	2,273.1	3,730.6	183.7	6,187.4

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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.
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 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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
United States												
April 1998	38,190.4	39,733.1	25,543.2	148,454.9	39,982.2	213,980.2	2,198.9	2,214.5	1,880.2	3,786.1	–	5,666.3
March 1998	37,471.1	39,010.5	24,152.4	141,360.9	29,799.0	195,312.3	2,921.6	2,946.5	3,243.5	4,148.7	–	7,392.3
April 1997	35,690.2	37,882.9	27,895.8	146,745.9	29,499.3	204,141.1	1,197.8	1,218.3	652.4	2,016.2	–	2,668.6
PAD District I												
April 1998	12,225.9	12,816.1	8,879.7	46,721.3	3,184.8	58,785.8	–	–	–	–	–	–
March 1998	12,263.3	12,827.5	8,850.3	45,265.3	2,908.5	57,024.1	–	–	–	–	–	–
April 1997	10,110.2	10,732.0	8,837.9	45,667.5	3,050.8	57,556.2	–	–	–	–	–	–
Subdistrict IA												
April 1998	–	–	W	W	–	768.5	–	–	–	–	–	–
March 1998	–	–	W	715.6	W	846.5	–	–	–	–	–	–
April 1997	–	–	W	710.4	W	870.5	–	–	–	–	–	–
Connecticut												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	W	W	–	–	–	–	–	–
Maine												
April 1998	–	–	–	561.3	–	561.3	–	–	–	–	–	–
March 1998	–	–	–	W	W	627.9	–	–	–	–	–	–
April 1997	–	–	–	566.7	–	566.7	–	–	–	–	–	–
Massachusetts												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	W	W	–	–	–	–	–	–
New Hampshire												
April 1998	–	–	W	W	–	14.4	–	–	–	–	–	–
March 1998	–	–	W	W	–	13.5	–	–	–	–	–	–
April 1997	–	–	W	W	–	16.4	–	–	–	–	–	–
Rhode Island												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
Vermont												
April 1998	–	–	W	W	–	192.9	–	–	–	–	–	–
March 1998	–	–	W	W	–	205.0	–	–	–	–	–	–
April 1997	–	–	W	W	–	182.3	–	–	–	–	–	–
Subdistrict IB												
April 1998	2,694.1	2,757.0	W	9,964.8	W	15,351.1	–	–	–	–	–	–
March 1998	2,715.5	2,777.2	W	9,428.0	W	14,408.4	–	–	–	–	–	–
April 1997	2,683.4	2,740.8	W	9,740.5	W	14,353.4	–	–	–	–	–	–
Delaware												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
District of Columbia												
April 1998	–	–	–	–	–	–	–	–	–	–	–	–
March 1998	–	–	–	–	–	–	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	–	–	–	–	–
Maryland												
April 1998	–	W	W	W	–	483.8	–	–	–	–	–	–
March 1998	W	8.0	W	W	–	495.2	–	–	–	–	–	–
April 1997	–	2.7	W	W	W	596.2	–	–	–	–	–	–
New Jersey												
April 1998	–	–	–	–	1,267.9	1,267.9	–	–	–	–	–	–
March 1998	–	–	–	–	859.2	859.2	–	–	–	–	–	–
April 1997	–	–	–	–	669.7	669.7	–	–	–	–	–	–
New York												
April 1998	1,263.5	W	1,235.3	W	W	5,101.0	–	–	–	–	–	–
March 1998	W	1,272.5	1,199.3	3,423.6	294.0	4,916.9	–	–	–	–	–	–
April 1997	1,174.4	1,203.7	1,265.5	W	W	4,949.5	–	–	–	–	–	–
Pennsylvania												
April 1998	1,430.6	1,461.5	1,318.3	W	W	8,498.3	–	–	–	–	–	–
March 1998	1,467.3	1,496.7	1,304.2	W	W	8,137.1	–	–	–	–	–	–
April 1997	1,509.0	1,534.3	1,327.5	5,589.5	1,221.0	8,138.0	–	–	–	–	–	–

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
United States												
April 1998	22,515.9	22,842.7	49,490.1	31,460.1	10,885.5	91,835.8	62,905.2	64,790.3	76,913.5	183,701.1	50,867.7	311,482.3
March 1998	22,043.9	22,365.0	48,810.5	30,979.7	8,563.4	88,353.6	62,436.6	64,322.0	76,206.4	176,489.3	38,362.4	291,058.1
April 1997	18,950.6	19,752.8	48,566.2	29,320.3	8,421.1	86,307.6	55,838.5	58,854.0	77,114.5	178,082.4	37,920.4	293,117.3
PAD District I												
April 1998	4,345.2	4,538.5	20,380.0	15,651.6	4,522.0	40,553.6	16,571.1	17,354.6	29,259.7	62,372.9	7,706.8	99,339.3
March 1998	4,213.1	4,403.8	20,161.9	15,140.8	3,161.4	38,464.2	16,476.4	17,231.3	29,012.2	60,406.1	6,069.9	95,488.2
April 1997	4,063.3	4,315.1	20,423.1	14,908.0	2,877.8	38,208.9	14,173.4	15,047.1	29,261.0	60,575.5	5,928.6	95,765.1
Subdistrict IA												
April 1998	726.0	735.5	W	W	W	10,119.1	726.0	735.5	4,392.3	5,651.7	843.6	10,887.6
March 1998	683.6	692.1	W	4,922.2	W	9,524.8	683.6	692.1	4,287.9	5,637.8	445.5	10,371.3
April 1997	671.2	701.9	W	4,986.0	W	9,695.1	671.2	701.9	4,345.9	5,696.4	523.3	10,565.6
Connecticut												
April 1998	W	W	1,344.3	1,526.0	390.9	3,261.2	W	W	1,344.3	1,526.0	390.9	3,261.2
March 1998	W	W	1,294.0	W	W	3,193.6	W	W	1,294.0	W	W	3,193.6
April 1997	W	W	W	1,449.7	–	W	W	W	W	1,449.7	W	2,855.7
Maine												
April 1998	–	–	W	W	–	620.0	–	–	W	W	–	1,181.2
March 1998	–	–	W	W	–	598.5	–	–	W	1,100.2	W	1,226.4
April 1997	–	–	W	568.6	W	645.8	–	–	W	1,135.3	W	1,212.5
Massachusetts												
April 1998	415.0	418.1	2,272.6	W	W	4,499.0	415.0	418.1	2,272.6	W	W	4,499.0
March 1998	387.4	390.4	2,236.8	2,032.4	–	4,269.2	387.4	390.4	2,236.8	2,032.4	–	4,269.2
April 1997	379.0	403.2	2,261.5	2,016.8	W	W	379.0	403.2	2,261.5	2,016.8	320.9	4,599.2
New Hampshire												
April 1998	100.4	100.4	W	W	–	278.5	100.4	100.4	248.3	44.5	–	292.8
March 1998	99.5	99.6	W	W	–	284.0	99.5	99.6	251.0	46.5	–	297.5
April 1997	93.4	94.5	W	W	–	288.4	93.4	94.5	257.3	47.5	–	304.8
Rhode Island												
April 1998	W	W	W	806.9	W	1,460.5	W	W	W	806.9	W	1,460.5
March 1998	W	W	389.5	790.0	–	1,179.6	W	W	389.5	790.0	–	1,179.6
April 1997	W	W	382.4	W	W	1,411.0	W	W	382.4	W	W	1,411.0
Vermont												
April 1998	–	–	–	–	–	–	–	–	W	W	–	192.9
March 1998	–	–	–	–	–	–	–	–	W	W	–	205.0
April 1997	–	–	–	–	–	–	–	–	W	W	–	182.3
Subdistrict IB												
April 1998	2,739.4	2,866.7	W	8,150.7	W	25,771.7	5,433.5	5,623.7	16,529.6	18,115.5	6,477.7	41,122.7
March 1998	2,674.6	2,802.7	W	7,714.8	W	24,354.9	5,390.1	5,579.9	16,412.9	17,142.9	5,207.5	38,763.3
April 1997	2,570.8	2,727.1	W	7,650.3	W	24,088.6	5,254.2	5,467.9	16,619.9	17,390.8	4,431.4	38,442.1
Delaware												
April 1998	38.7	50.0	W	W	–	836.9	38.7	50.0	329.5	507.4	–	836.9
March 1998	W	45.6	W	W	–	749.1	W	45.6	329.4	419.7	–	749.1
April 1997	W	41.6	W	W	W	689.6	W	41.6	W	345.2	W	689.6
District of Columbia												
April 1998	–	9.6	335.7	–	–	335.7	–	9.6	335.7	–	–	335.7
March 1998	–	9.9	331.8	–	–	331.8	–	9.9	331.8	–	–	331.8
April 1997	–	10.2	353.3	–	–	353.3	–	10.2	353.3	–	–	353.3
Maryland												
April 1998	–	W	W	1,567.3	W	4,412.2	–	46.1	2,857.2	W	W	4,896.0
March 1998	–	42.0	W	1,573.0	W	4,463.4	W	50.0	2,887.5	W	W	4,958.6
April 1997	W	40.5	3,100.5	W	W	5,020.0	W	43.3	W	2,105.5	W	5,616.1
New Jersey												
April 1998	1,373.8	1,402.1	4,728.9	3,724.4	2,948.7	11,402.0	1,373.8	1,402.1	4,728.9	3,724.4	4,216.5	12,669.8
March 1998	1,334.5	1,364.1	4,646.3	3,554.1	1,866.9	10,067.4	1,334.5	1,364.1	4,646.3	3,554.1	2,726.1	10,926.5
April 1997	1,310.6	1,370.9	4,573.6	3,266.3	1,972.1	9,812.0	1,310.6	1,370.9	4,573.6	3,266.3	2,641.9	10,481.7
New York												
April 1998	676.0	W	4,015.8	1,436.8	569.1	6,021.7	1,939.5	1,987.2	5,251.1	W	W	11,122.7
March 1998	W	689.0	4,015.6	1,338.1	854.0	6,207.7	1,913.0	1,961.5	5,214.9	4,761.7	1,148.0	11,124.6
April 1997	643.4	670.8	3,943.8	W	W	5,296.5	1,817.8	1,874.5	5,209.3	4,884.8	151.9	10,246.0
Pennsylvania												
April 1998	651.0	667.2	1,708.8	W	W	2,763.3	2,081.6	2,128.7	3,027.1	6,773.8	1,460.7	11,261.6
March 1998	637.4	652.1	1,698.8	W	W	2,535.5	2,104.6	2,148.8	3,003.0	W	W	10,672.6
April 1997	580.2	593.0	1,717.7	1,199.5	–	2,917.2	2,089.2	2,127.4	3,045.2	6,789.0	1,221.0	11,055.3

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Subdistrict IC												
April 1998	9,531.7	10,059.0	6,246.1	W	W	42,666.2	–	–	–	–	–	–
March 1998	9,547.8	10,050.3	W	35,121.6	W	41,769.2	–	–	–	–	–	–
April 1997	7,426.8	7,991.2	W	35,216.6	W	42,332.3	–	–	–	–	–	–
Florida												
April 1998	4,923.6	5,136.5	W	9,539.9	W	14,417.4	–	–	–	–	–	–
March 1998	5,004.6	5,195.2	4,811.2	W	W	14,609.3	–	–	–	–	–	–
April 1997	3,562.7	3,797.7	W	9,837.5	W	14,593.2	–	–	–	–	–	–
Georgia												
April 1998	2,150.3	2,265.2	1,001.0	7,988.5	–	8,989.5	–	–	–	–	–	–
March 1998	2,105.9	2,221.1	992.5	7,856.9	–	8,849.4	–	–	–	–	–	–
April 1997	1,610.0	1,734.8	W	7,824.6	W	9,203.8	–	–	–	–	–	–
North Carolina												
April 1998	827.6	949.9	W	W	–	9,873.7	–	–	–	–	–	–
March 1998	820.6	942.8	W	9,410.2	W	9,555.9	–	–	–	–	–	–
April 1997	691.7	816.6	150.3	9,158.9	351.8	9,661.0	–	–	–	–	–	–
South Carolina												
April 1998	877.0	929.9	W	W	–	4,609.9	–	–	–	–	–	–
March 1998	885.7	937.6	W	W	–	4,429.1	–	–	–	–	–	–
April 1997	830.5	881.3	W	W	111.6	4,459.1	–	–	–	–	–	–
Virginia												
April 1998	183.2	193.2	114.1	3,766.0	NA	4,138.3	–	–	–	–	–	–
March 1998	173.0	181.9	W	3,415.2	W	3,752.5	–	–	–	–	–	–
April 1997	187.5	197.7	W	3,613.5	W	3,852.1	–	–	–	–	–	–
West Virginia												
April 1998	570.1	584.2	148.8	488.7	–	637.5	–	–	–	–	–	–
March 1998	558.0	571.6	147.8	425.2	–	573.1	–	–	–	–	–	–
April 1997	544.4	563.0	W	W	–	563.1	–	–	–	–	–	–
PAD District II												
April 1998	15,308.2	15,832.7	10,398.6	W	W	72,240.8	1,174.7	1,190.3	W	W	–	3,622.9
March 1998	15,064.1	15,623.4	W	51,444.7	W	67,661.0	1,107.9	1,125.5	W	W	–	3,235.5
April 1997	15,144.5	15,733.8	10,744.4	55,662.5	6,885.8	73,292.7	901.7	920.8	W	W	–	1,792.9
Illinois												
April 1998	577.8	589.4	W	4,251.3	W	5,833.0	–	–	–	–	–	–
March 1998	560.2	571.5	W	4,128.8	W	5,700.2	–	–	–	–	–	–
April 1997	606.9	623.6	W	W	W	5,494.5	–	–	–	–	–	–
Indiana												
April 1998	1,374.0	1,388.4	1,156.2	3,823.4	336.6	5,316.3	–	–	–	–	–	–
March 1998	1,359.2	1,376.6	W	3,637.7	W	5,242.8	–	–	–	–	–	–
April 1997	1,365.0	1,388.2	1,298.9	3,807.5	572.9	5,679.3	–	–	–	–	–	–
Iowa												
April 1998	187.3	189.8	W	W	–	3,616.4	–	–	–	–	–	–
March 1998	193.8	197.6	W	W	–	3,123.9	–	–	–	–	–	–
April 1997	215.6	218.7	W	3,543.7	W	3,693.4	–	–	–	–	–	–
Kansas												
April 1998	570.1	586.4	NA	W	W	3,918.7	–	–	–	–	–	–
March 1998	571.5	589.6	W	2,816.2	W	3,636.4	–	–	–	–	–	–
April 1997	562.1	581.8	W	2,934.0	W	3,751.5	–	–	–	–	–	–
Kentucky												
April 1998	497.4	531.7	267.0	W	W	3,635.5	–	–	–	–	–	–
March 1998	494.5	527.8	W	W	–	3,473.4	–	–	–	–	–	–
April 1997	455.4	486.1	269.3	3,018.4	–	3,287.7	–	–	–	–	–	–
Michigan												
April 1998	3,016.3	3,145.6	W	6,467.9	W	9,995.7	–	–	–	–	–	–
March 1998	2,961.9	3,111.4	3,422.1	6,145.4	–	9,567.5	–	–	–	–	–	–
April 1997	2,977.4	3,111.9	3,595.7	6,157.6	–	9,753.3	–	–	–	–	–	–
Minnesota												
April 1998	W	1.0	W	1,213.6	W	W	W	1,190.3	W	3,145.9	–	W
March 1998	0.5	0.7	W	981.1	W	W	1,107.9	1,125.5	W	2,805.6	–	W
April 1997	196.8	199.3	52.7	2,816.1	W	W	901.7	920.8	W	1,443.9	–	W
Missouri												
April 1998	W	NA	W	4,629.5	W	5,228.2	–	–	–	–	–	–
March 1998	942.8	961.5	578.9	4,283.8	–	4,862.7	–	–	–	–	–	–
April 1997	870.5	891.2	W	4,630.8	W	5,341.9	–	–	–	–	–	–

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Subdistrict IC												
April 1998	879.9	936.4	2,091.6	W	W	4,662.8	10,411.6	10,995.4	8,337.8	38,605.7	385.5	47,329.0
March 1998	854.8	909.1	W	2,503.8	W	4,584.5	10,402.6	10,959.4	8,311.4	37,625.4	416.9	46,353.6
April 1997	821.3	886.1	W	2,271.7	W	4,425.2	8,248.0	8,877.3	8,295.2	37,488.3	974.0	46,757.5
Florida												
April 1998	–	–	–	–	–	–	4,923.6	5,136.5	W	9,539.9	W	14,417.4
March 1998	–	–	–	–	–	–	5,004.6	5,195.2	4,811.2	W	W	14,609.3
April 1997	–	–	–	–	–	–	3,562.7	3,797.7	W	9,837.5	W	14,593.2
Georgia												
April 1998	–	–	–	–	–	–	2,150.3	2,265.2	1,001.0	7,988.5	–	8,989.5
March 1998	–	–	–	–	–	–	2,105.9	2,221.1	992.5	7,856.9	–	8,849.4
April 1997	–	–	–	–	–	–	1,610.0	1,734.8	W	7,824.6	W	9,203.8
North Carolina												
April 1998	–	–	–	–	–	–	827.6	949.9	W	W	–	9,873.7
March 1998	–	–	–	–	–	–	820.6	942.8	W	9,410.2	W	9,555.9
April 1997	–	–	–	–	–	–	691.7	816.6	150.3	9,158.9	351.8	9,661.0
South Carolina												
April 1998	–	–	–	–	–	–	877.0	929.9	W	W	–	4,609.9
March 1998	–	–	–	–	–	–	885.7	937.6	W	W	–	4,429.1
April 1997	–	–	–	–	–	–	830.5	881.3	W	W	111.6	4,459.1
Virginia												
April 1998	879.9	936.4	2,091.6	W	W	4,662.8	1,063.0	1,129.6	2,205.7	W	W	8,801.1
March 1998	854.8	909.1	W	2,503.8	W	4,584.5	1,027.8	1,091.0	2,152.7	5,919.0	265.2	8,336.9
April 1997	821.3	886.1	W	2,271.7	W	4,425.2	1,008.8	1,083.8	2,247.7	5,885.2	144.4	8,277.3
West Virginia												
April 1998	–	–	–	–	–	–	570.1	584.2	148.8	488.7	–	637.5
March 1998	–	–	–	–	–	–	558.0	571.6	147.8	425.2	–	573.1
April 1997	–	–	–	–	–	–	544.4	563.0	W	W	–	563.1
PAD District II												
April 1998	3,716.3	3,759.3	W	4,468.3	W	8,599.2	20,199.2	20,782.3	14,943.5	62,910.9	6,608.5	84,463.0
March 1998	3,708.9	3,750.5	3,815.2	W	W	8,062.8	19,880.8	20,499.3	14,327.5	58,483.4	6,148.3	78,959.2
April 1997	3,539.4	3,589.8	W	W	–	7,627.5	19,585.6	20,244.4	14,824.3	61,003.0	6,885.8	82,713.1
Illinois												
April 1998	2,594.6	2,602.1	W	1,777.8	W	4,864.4	3,172.4	3,191.5	3,369.2	6,029.1	1,299.1	10,697.4
March 1998	2,603.2	2,611.0	W	1,622.7	W	4,566.9	3,163.4	3,182.5	3,208.7	5,751.5	1,306.9	10,267.1
April 1997	2,468.3	2,483.7	W	W	–	4,496.7	3,075.1	3,107.2	3,175.3	5,954.0	861.8	9,991.2
Indiana												
April 1998	277.8	283.8	442.4	546.7	–	989.2	1,651.8	1,672.2	1,598.7	4,370.2	336.6	6,305.5
March 1998	270.5	276.6	W	483.6	W	812.1	1,629.8	1,653.3	1,540.0	4,121.4	393.5	6,054.8
April 1997	264.4	268.0	263.7	499.6	–	763.4	1,629.5	1,656.2	1,562.7	4,307.1	572.9	6,442.7
Iowa												
April 1998	–	–	–	–	–	–	187.3	189.8	W	W	–	3,616.4
March 1998	–	–	–	–	–	–	193.8	197.6	W	W	–	3,123.9
April 1997	–	–	–	–	–	–	215.6	218.7	W	3,543.7	W	3,693.4
Kansas												
April 1998	–	–	–	–	–	–	570.1	586.4	NA	W	W	3,918.7
March 1998	–	–	–	–	–	–	571.5	589.6	W	2,816.2	W	3,636.4
April 1997	–	–	–	–	–	–	562.1	581.8	W	2,934.0	W	3,751.5
Kentucky												
April 1998	337.4	364.9	W	W	–	958.6	834.8	896.6	W	4,080.2	W	4,594.1
March 1998	332.8	359.1	W	W	–	945.3	827.3	886.8	478.2	3,940.5	–	4,418.7
April 1997	340.0	368.3	222.3	700.2	–	922.5	795.4	854.4	491.6	3,718.6	–	4,210.2
Michigan												
April 1998	–	–	–	–	–	–	3,016.3	3,145.6	W	6,467.9	W	9,995.7
March 1998	–	–	–	–	–	–	2,961.9	3,111.4	3,422.1	6,145.4	–	9,567.5
April 1997	–	–	–	–	–	–	2,977.4	3,111.9	3,595.7	6,157.6	–	9,753.3
Minnesota												
April 1998	–	–	–	–	–	–	1,175.3	1,191.3	W	4,359.5	W	5,137.7
March 1998	–	–	–	–	–	–	1,108.4	1,126.2	W	3,786.7	W	4,479.1
April 1997	–	–	–	–	–	–	1,098.5	1,120.2	W	4,260.0	W	4,961.3
Missouri												
April 1998	–	–	–	–	–	–	W	NA	W	4,629.5	W	5,228.2
March 1998	–	–	–	–	–	–	942.8	961.5	578.9	4,283.8	–	4,862.7
April 1997	–	–	–	–	–	–	870.5	891.2	W	4,630.8	W	5,341.9

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Nebraska												
April 1998	94.9	95.9	NA	1,945.6	–	2,102.2	–	–	–	–	–	–
March 1998	100.9	101.9	W	W	–	1,811.3	–	–	–	–	–	–
April 1997	116.7	118.1	157.9	W	W	2,025.0	–	–	–	–	–	–
North Dakota												
April 1998	W	3.6	NA	910.1	–	1,005.9	–	–	–	–	–	–
March 1998	W	4.3	W	W	–	882.5	–	–	–	–	–	–
April 1997	W	4.0	W	W	–	942.8	–	–	–	–	–	–
Ohio												
April 1998	5,184.7	5,410.4	W	5,577.8	W	9,127.1	–	–	–	–	–	–
March 1998	5,057.7	5,274.1	W	5,397.9	W	8,700.2	–	–	–	–	–	–
April 1997	5,184.5	5,436.2	W	5,140.5	W	8,461.4	–	–	–	–	–	–
Oklahoma												
April 1998	978.1	1,011.6	W	3,689.5	W	7,334.0	–	–	–	–	–	–
March 1998	933.4	982.8	W	3,262.7	W	6,591.1	–	–	–	–	–	–
April 1997	826.5	870.0	W	W	3,894.8	7,742.0	–	–	–	–	–	–
South Dakota												
April 1998	13.7	15.0	NA	1,050.1	–	1,092.2	–	–	–	–	–	–
March 1998	W	13.8	39.3	911.2	–	950.5	–	–	–	–	–	–
April 1997	W	17.4	40.4	1,092.5	–	1,132.9	–	–	–	–	–	–
Tennessee												
April 1998	1,643.4	1,672.4	489.9	7,657.8	–	8,147.7	–	–	–	–	–	–
March 1998	1,621.6	1,652.6	458.5	7,410.6	–	7,869.1	–	–	–	–	–	–
April 1997	1,485.9	1,520.5	W	7,785.9	W	8,732.3	–	–	–	–	–	–
Wisconsin												
April 1998	246.3	251.9	W	4,180.0	–	W	–	–	–	W	–	W
March 1998	249.8	257.3	W	3,831.2	–	W	–	–	–	W	–	W
April 1997	262.4	267.1	W	3,930.9	–	W	–	–	–	W	–	W
PAD District III												
April 1998	5,377.3	5,543.0	W	32,407.6	28,173.3	W	W	W	W	–	–	W
March 1998	5,205.9	5,365.1	W	W	19,135.8	51,118.9	187.3	187.6	W	W	–	524.2
April 1997	4,677.1	5,389.1	W	30,482.3	17,624.9	W	W	W	W	3.7	–	W
Alabama												
April 1998	404.3	445.3	150.2	5,346.7	–	5,496.9	–	–	–	–	–	–
March 1998	414.2	455.2	146.9	5,213.7	–	5,360.6	–	–	–	–	–	–
April 1997	340.1	385.7	149.8	W	W	5,451.5	–	–	–	–	–	–
Arkansas												
April 1998	NA	NA	W	3,810.8	W	4,235.2	–	–	–	–	–	–
March 1998	274.2	276.3	W	3,643.0	W	4,172.5	–	–	–	–	–	–
April 1997	267.1	271.6	W	3,449.4	W	3,915.3	–	–	–	–	–	–
Louisiana												
April 1998	1,118.9	W	473.4	4,337.7	W	W	–	–	–	–	–	–
March 1998	1,125.1	W	490.5	4,208.5	W	W	–	–	–	–	–	–
April 1997	745.6	W	544.2	4,377.3	1,294.9	6,216.4	–	–	–	–	–	–
Mississippi												
April 1998	150.1	169.6	10.6	W	W	4,383.7	–	–	–	–	–	–
March 1998	142.8	161.5	11.3	W	W	3,908.0	–	–	–	–	–	–
April 1997	105.2	137.3	12.4	3,240.8	1,002.0	4,255.2	–	–	–	–	–	–
New Mexico												
April 1998	W	W	W	W	–	W	W	W	W	–	–	W
March 1998	W	W	W	1,612.2	–	W	W	W	W	W	–	W
April 1997	W	W	W	W	–	W	W	W	W	–	–	W
Texas												
April 1998	W	NA	179.7	13,858.0	W	W	–	–	–	–	–	–
March 1998	W	2,883.0	W	13,054.5	W	29,172.2	W	W	–	W	–	W
April 1997	W	3,420.2	195.9	12,415.0	14,860.5	27,471.4	–	–	–	3.7	–	3.7
PAD District IV												
April 1998	NA	NA	W	W	W	7,553.0	–	–	–	W	–	543.8
March 1998	W	W	1,012.1	W	W	7,405.6	W	W	W	W	–	496.9
April 1997	2,409.0	2,535.6	W	W	W	W	–	–	–	W	–	W
Colorado												
April 1998	NA	NA	W	W	W	2,251.9	–	–	–	W	–	543.8
March 1998	1,899.7	1,900.9	W	W	W	W	–	–	–	W	–	W
April 1997	1,858.7	1,860.8	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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Nebraska												
April 1998	–	–	–	–	–	–	94.9	95.9	NA	1,945.6	–	2,102.2
March 1998	–	–	–	–	–	–	100.9	101.9	W	W	–	1,811.3
April 1997	–	–	–	–	–	–	116.7	118.1	157.9	W	W	2,025.0
North Dakota												
April 1998	–	–	–	–	–	–	W	3.6	NA	910.1	–	1,005.9
March 1998	–	–	–	–	–	–	W	4.3	W	W	–	882.5
April 1997	–	–	–	–	–	–	W	4.0	W	W	–	942.8
Ohio												
April 1998	–	–	–	–	–	–	5,184.7	5,410.4	W	5,577.8	W	9,127.1
March 1998	–	–	–	–	–	–	5,057.7	5,274.1	W	5,397.9	W	8,700.2
April 1997	–	–	–	–	–	–	5,184.5	5,436.2	W	5,140.5	W	8,461.4
Oklahoma												
April 1998	–	–	–	–	–	–	978.1	1,011.6	W	3,689.5	W	7,334.0
March 1998	–	–	–	–	–	–	933.4	982.8	W	3,262.7	W	6,591.1
April 1997	–	–	–	–	–	–	826.5	870.0	W	W	3,894.8	7,742.0
South Dakota												
April 1998	–	–	–	–	–	–	13.7	15.0	NA	1,050.1	–	1,092.2
March 1998	–	–	–	–	–	–	W	13.8	39.3	911.2	–	950.5
April 1997	–	–	–	–	–	–	W	17.4	40.4	1,092.5	–	1,132.9
Tennessee												
April 1998	–	–	–	–	–	–	1,643.4	1,672.4	489.9	7,657.8	–	8,147.7
March 1998	–	–	–	–	–	–	1,621.6	1,652.6	458.5	7,410.6	–	7,869.1
April 1997	–	–	–	–	–	–	1,485.9	1,520.5	W	7,785.9	W	8,732.3
Wisconsin												
April 1998	506.6	508.5	W	W	–	1,787.0	752.8	760.4	NA	5,620.1	–	6,160.1
March 1998	502.4	503.9	NA	W	W	1,738.5	752.2	761.1	W	5,217.6	W	5,744.3
April 1997	466.7	469.8	W	W	–	1,445.0	729.1	736.9	536.2	4,995.0	–	5,531.2
PAD District III												
April 1998	W	W	2,015.1	5,438.5	1,705.2	9,158.9	9,930.3	10,130.4	2,981.7	37,846.2	29,878.5	70,706.4
March 1998	4,502.6	4,540.9	2,001.5	5,401.5	1,343.2	8,746.2	9,895.8	10,093.6	2,980.7	36,929.6	20,478.9	60,389.3
April 1997	W	W	2,093.7	5,329.2	707.0	8,129.9	9,238.0	9,979.7	3,110.0	35,815.3	18,331.9	57,257.2
Alabama												
April 1998	–	–	–	–	–	–	404.3	445.3	150.2	5,346.7	–	5,496.9
March 1998	–	–	–	–	–	–	414.2	455.2	146.9	5,213.7	–	5,360.6
April 1997	–	–	–	–	–	–	340.1	385.7	149.8	W	W	5,451.5
Arkansas												
April 1998	–	–	–	–	–	–	NA	NA	W	3,810.8	W	4,235.2
March 1998	–	–	–	–	–	–	274.2	276.3	W	3,643.0	W	4,172.5
April 1997	–	–	–	–	–	–	267.1	271.6	W	3,449.4	W	3,915.3
Louisiana												
April 1998	–	W	–	–	W	W	1,118.9	1,135.3	473.4	4,337.7	1,939.9	6,751.0
March 1998	–	W	–	–	W	W	1,125.1	1,139.0	490.5	4,208.5	2,220.6	6,919.7
April 1997	–	W	–	–	–	–	745.6	774.3	544.2	4,377.3	1,294.9	6,216.4
Mississippi												
April 1998	–	–	–	–	–	–	150.1	169.6	10.6	W	W	4,383.7
March 1998	–	–	–	–	–	–	142.8	161.5	11.3	W	W	3,908.0
April 1997	–	–	–	–	–	–	105.2	137.3	12.4	3,240.8	1,002.0	4,255.2
New Mexico												
April 1998	–	–	–	–	–	–	588.2	590.8	W	W	–	1,827.0
March 1998	–	–	–	–	–	–	578.6	580.9	W	W	–	1,726.1
April 1997	–	–	–	–	–	–	462.8	487.8	W	W	–	1,813.8
Texas												
April 1998	W	4,519.0	2,015.1	5,438.5	W	W	7,388.0	7,505.2	2,194.8	19,296.5	26,521.2	48,012.5
March 1998	4,502.6	W	W	W	W	W	7,360.8	7,480.7	2,181.4	18,941.7	17,179.4	38,302.5
April 1997	W	4,502.9	2,093.7	5,329.2	707.0	8,129.9	7,317.1	7,923.1	2,289.7	17,747.9	15,567.5	35,605.1
PAD District IV												
April 1998	–	–	–	–	–	–	NA	NA	W	7,046.9	W	8,096.8
March 1998	–	–	–	–	–	–	2,723.4	2,874.9	W	6,862.2	W	7,902.6
April 1997	–	–	–	–	–	–	2,409.0	2,535.6	W	7,479.4	W	8,542.0
Colorado												
April 1998	–	–	–	–	–	–	NA	NA	W	2,547.0	W	2,795.6
March 1998	–	–	–	–	–	–	1,899.7	1,900.9	W	2,536.7	W	2,837.3
April 1997	–	–	–	–	–	–	1,858.7	1,860.8	W	2,738.2	W	3,057.9

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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Idaho												
April 1998	120.0	135.7	W	W	–	1,229.6	–	–	–	–	–	–
March 1998	116.9	131.5	230.4	1,006.2	–	1,236.6	–	–	–	–	–	–
April 1997	W	55.9	234.5	999.7	–	1,234.2	–	–	–	–	–	–
Montana												
April 1998	W	16.6	W	W	–	1,287.6	–	–	–	–	–	–
March 1998	W	16.9	W	W	–	1,211.2	–	–	–	–	–	–
April 1997	W	17.2	W	W	–	1,623.0	–	–	–	–	–	–
Utah												
April 1998	NA	NA	552.3	1,592.2	–	2,144.5	–	–	–	–	–	–
March 1998	W	W	W	W	–	W	W	W	W	W	–	W
April 1997	450.0	551.0	500.5	1,585.8	–	2,086.4	–	–	–	–	–	–
Wyoming												
April 1998	W	NA	W	W	–	639.4	–	–	–	–	–	–
March 1998	W	50.9	W	W	–	615.4	–	–	–	–	–	–
April 1997	43.6	50.8	W	W	–	540.6	–	–	–	–	–	–
PAD District V												
April 1998	2,477.3	2,597.0	4,306.2	W	W	W	W	W	W	W	–	W
March 1998	W	W	3,232.8	W	W	12,102.6	W	W	W	W	–	3,135.7
April 1997	3,349.5	3,492.3	W	W	W	16,186.1	W	W	273.3	39.3	–	312.6
Alaska												
April 1998	W	W	W	292.2	W	W	W	W	W	W	–	W
March 1998	W	W	85.6	W	W	W	W	W	W	W	–	W
April 1997	W	W	20.7	242.2	–	262.9	W	W	W	W	–	93.4
Arizona												
April 1998	W	W	W	792.5	W	1,368.8	W	W	W	W	–	W
March 1998	336.7	344.4	W	733.2	W	992.9	559.6	559.9	533.4	W	–	W
April 1997	W	W	W	W	652.7	3,356.1	W	W	W	W	–	3.3
California												
April 1998	–	–	–	W	W	426.3	–	–	–	–	–	–
March 1998	–	–	–	W	W	612.5	–	–	–	–	–	–
April 1997	–	–	–	W	W	543.7	–	–	–	–	–	–
Hawaii												
April 1998	218.3	305.2	W	W	–	665.0	–	–	–	–	–	–
March 1998	222.5	307.7	590.1	78.3	–	668.4	–	–	–	–	–	–
April 1997	212.1	295.3	622.3	72.2	–	694.4	–	–	–	–	–	–
Nevada												
April 1998	187.4	198.1	1,058.8	W	W	1,948.1	W	W	W	W	–	W
March 1998	W	W	W	W	W	922.0	W	W	906.6	W	–	W
April 1997	128.7	136.7	1,054.8	743.6	W	W	–	–	–	W	–	W
Oregon												
April 1998	W	W	W	W	382.4	W	W	W	W	W	–	W
March 1998	W	W	W	W	257.8	W	W	W	W	W	–	W
April 1997	W	W	W	W	518.5	W	W	W	W	W	–	W
Washington												
April 1998	W	W	1,556.0	W	W	W	W	W	W	W	–	W
March 1998	W	W	1,513.9	W	W	5,457.1	W	W	W	W	–	1,052.0
April 1997	W	W	W	W	183.7	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[a]	DTW	Rack	Bulk	Total	Through Retail Outlets	Total[a]	DTW	Rack	Bulk	Total
Idaho												
April 1998	–	–	–	–	–	–	120.0	135.7	W	W	–	1,229.6
March 1998	–	–	–	–	–	–	116.9	131.5	230.4	1,006.2	–	1,236.6
April 1997	–	–	–	–	–	–	W	55.9	234.5	999.7	–	1,234.2
Montana												
April 1998	–	–	–	–	–	–	W	16.6	W	W	–	1,287.6
March 1998	–	–	–	–	–	–	W	16.9	W	W	–	1,211.2
April 1997	–	–	–	–	–	–	W	17.2	W	W	–	1,623.0
Utah												
April 1998	–	–	–	–	–	–	NA	NA	552.3	1,592.2	–	2,144.5
March 1998	–	–	–	–	–	–	645.0	774.7	505.1	1,497.1	–	2,002.2
April 1997	–	–	–	–	–	–	450.0	551.0	500.5	1,585.8	–	2,086.4
Wyoming												
April 1998	–	–	–	–	–	–	W	NA	W	W	–	639.4
March 1998	–	–	–	–	–	–	W	50.9	W	W	–	615.4
April 1997	–	–	–	–	–	–	43.6	50.8	W	W	–	540.6
PAD District V												
April 1998	W	W	W	5,901.7	W	33,524.1	13,402.8	13,578.6	W	13,524.2	W	48,876.8
March 1998	9,619.3	9,669.7	22,831.8	W	W	33,080.5	13,460.1	13,622.8	W	13,808.0	W	48,318.8
April 1997	W	W	W	W	4,836.3	32,341.2	10,432.6	11,047.1	W	13,209.2	W	48,840.0
Alaska												
April 1998	–	–	–	–	–	–	NA	NA	89.2	W	W	800.6
March 1998	–	–	–	–	–	–	269.7	274.7	W	239.5	W	374.6
April 1997	–	–	–	–	–	–	221.8	235.2	W	W	–	356.3
Arizona												
April 1998	1,959.1	1,963.4	1,242.3	W	W	W	2,457.9	2,468.9	1,690.6	1,173.0	179.6	3,043.2
March 1998	1,567.7	1,572.4	W	W	–	W	2,464.1	2,476.7	1,742.5	1,250.6	148.7	3,141.9
April 1997	–	–	–	–	–	–	1,413.5	1,427.0	1,667.2	1,039.5	652.7	3,359.4
California												
April 1998	8,000.8	8,052.5	21,697.9	W	W	31,845.6	8,000.8	8,052.5	21,697.9	5,617.0	4,957.0	32,271.9
March 1998	8,051.5	8,097.3	21,733.6	W	W	31,604.6	8,051.5	8,097.3	21,733.6	5,985.5	4,497.9	32,217.0
April 1997	W	W	W	W	W	32,341.2	6,873.3	7,343.6	22,310.6	5,297.3	5,277.0	32,884.9
Hawaii												
April 1998	–	–	–	–	–	–	218.3	305.2	W	W	–	665.0
March 1998	–	–	–	–	–	–	222.5	307.7	590.1	78.3	–	668.4
April 1997	–	–	–	–	–	–	212.1	295.3	622.3	72.2	–	694.4
Nevada												
April 1998	W	W	W	–	–	W	198.6	209.3	1,112.9	791.1	98.5	2,002.5
March 1998	–	–	W	–	–	W	208.9	217.1	1,154.4	703.5	87.9	1,945.8
April 1997	–	–	–	–	–	–	128.7	136.7	1,054.8	W	W	1,917.5
Oregon												
April 1998	–	–	–	–	–	–	606.7	611.3	1,036.9	2,128.8	382.4	3,548.1
March 1998	–	–	–	–	–	–	612.1	613.6	1,028.1	2,176.0	257.8	3,461.9
April 1997	–	–	–	–	–	–	384.1	401.2	860.1	2,061.4	518.5	3,440.0
Washington												
April 1998	–	–	–	–	–	–	1,620.7	1,624.9	W	3,425.1	W	6,545.5
March 1998	–	–	–	–	–	–	1,631.3	1,635.7	W	3,374.5	W	6,509.1
April 1997	–	–	–	–	–	–	1,199.0	1,208.0	2,273.1	3,730.6	183.7	6,187.4

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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.
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 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
United States										
April 1998	170.6	647.6	48,619.0	12,677.2	223.7	1,667.7	262.8	304.8	2,977.3	29,122.1
March 1998	142.9	562.7	47,583.5	12,619.8	293.1	2,941.5	391.4	1,066.0	4,074.2	33,904.9
April 1997	171.8	592.8	48,958.2	9,664.6	287.9	1,335.2	199.7	438.4	3,352.9	25,809.3
PAD District I										
April 1998	68.7	134.5	13,611.9	2,166.7	98.1	689.6	1.6	6.9	61.6	3,504.6
March 1998	58.7	122.2	13,032.2	2,154.1	106.3	1,706.7	W	29.2	77.8	5,343.6
April 1997	75.6	125.2	13,592.3	2,270.5	127.4	900.9	W	W	53.3	3,913.8
Subdistrict IA										
April 1998	W	14.2	950.5	99.5	1.5	22.0	–	W	W	93.6
March 1998	W	W	934.9	138.1	4.8	74.1	W	4.5	W	156.5
April 1997	W	10.7	1,081.3	368.9	W	50.8	W	W	W	54.0
Connecticut										
April 1998	W	W	190.8	6.5	W	W	–	0.5	W	20.8
March 1998	W	W	210.6	W	W	W	W	2.0	W	20.3
April 1997	W	W	225.3	W	W	23.6	W	W	W	17.8
Maine										
April 1998	W	–	W	W	–	6.3	–	W	–	6.9
March 1998	W	–	W	W	–	22.1	–	W	–	W
April 1997	W	W	W	24.1	–	13.1	–	W	–	W
Massachusetts										
April 1998	W	NA	670.4	63.7	W	W	–	W	–	7.4
March 1998	W	W	645.6	63.6	1.7	W	W	W	–	12.9
April 1997	W	W	W	111.6	W	8.5	W	–	–	W
New Hampshire										
April 1998	W	W	17.0	W	W	W	–	–	W	53.8
March 1998	W	W	14.8	W	W	W	W	–	W	101.1
April 1997	W	W	20.7	W	–	W	–	W	–	17.7
Rhode Island										
April 1998	–	W	W	W	–	W	–	W	–	–
March 1998	W	W	W	W	–	W	W	W	–	W
April 1997	–	W	31.6	W	–	W	–	W	–	–
Vermont										
April 1998	–	NA	W	W	W	W	–	–	W	4.5
March 1998	–	NA	W	W	W	W	W	W	W	10.2
April 1997	W	–	6.1	W	–	W	W	–	–	15.0
Subdistrict IB										
April 1998	W	27.5	6,582.2	1,281.8	91.6	521.9	W	4.9	W	1,651.4
March 1998	W	W	6,093.3	1,187.8	83.9	956.6	4.1	23.4	W	1,924.2
April 1997	W	18.7	6,227.1	1,112.5	116.3	578.4	1.7	W	W	1,722.3
Delaware										
April 1998	W	W	0.7	3.7	–	W	–	–	–	W
March 1998	W	W	1.0	W	–	W	–	–	–	W
April 1997	W	W	1.3	W	–	W	–	–	–	W
District of Columbia										
April 1998	–	–	–	W	–	–	–	–	–	–
March 1998	–	–	–	W	–	–	–	–	–	–
April 1997	–	–	–	–	–	–	–	W	–	–
Maryland										
April 1998	W	W	404.9	W	W	90.9	W	–	–	W
March 1998	W	W	370.4	12.6	W	W	W	W	–	W
April 1997	W	W	380.1	W	W	W	W	W	–	W
New Jersey										
April 1998	W	14.9	3,788.9	635.9	W	286.2	NA	2.5	W	437.4
March 1998	W	13.5	3,489.0	554.5	W	472.7	W	W	W	450.0
April 1997	W	9.5	3,881.0	471.0	W	260.6	–	W	–	425.8
New York										
April 1998	W	W	990.1	251.7	43.7	W	W	0.3	W	255.5
March 1998	W	W	933.4	318.9	59.2	188.2	W	10.1	W	339.0
April 1997	W	4.1	881.8	292.4	49.2	117.5	W	0.2	W	290.0
Pennsylvania										
April 1998	4.5	6.6	1,397.5	277.9	5.1	84.5	W	2.1	W	734.2
March 1998	4.7	5.2	1,299.6	260.1	14.3	233.3	W	8.5	W	837.6
April 1997	8.9	4.1	1,082.8	325.5	7.0	124.1	W	1.0	W	789.6

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
Subdistrict IC										
April 1998	47.4	92.8	6,079.2	785.4	4.9	145.7	W	W	54.1	1,759.7
March 1998	40.5	85.8	6,003.9	828.2	17.6	676.0	0.6	1.4	66.8	3,262.9
April 1997	51.1	95.8	6,283.9	789.1	W	271.7	–	2.8	46.9	2,137.5
Florida										
April 1998	29.1	44.3	3,204.5	232.3	W	12.2	–	–	W	590.4
March 1998	25.0	45.1	3,279.6	266.4	4.2	40.7	–	–	W	775.2
April 1997	28.6	54.5	3,200.2	294.6	0.4	15.9	–	–	W	565.7
Georgia										
April 1998	5.3	18.9	1,211.8	316.2	0.6	5.7	–	–	W	303.4
March 1998	3.6	16.5	1,079.5	315.3	4.5	40.8	–	–	W	578.3
April 1997	5.5	17.4	1,517.1	275.3	0.7	10.6	–	W	W	565.1
North Carolina										
April 1998	W	19.0	547.5	98.6	0.6	55.4	–	–	W	416.1
March 1998	W	15.8	548.3	117.0	1.6	260.0	–	W	W	866.4
April 1997	W	14.4	644.1	126.1	W	100.5	–	–	W	560.1
South Carolina										
April 1998	W	NA	W	51.7	1.3	24.9	–	–	W	216.1
March 1998	W	W	W	46.1	3.0	137.4	–	W	W	626.3
April 1997	3.6	W	W	27.7	1.2	45.2	–	–	W	W
Virginia										
April 1998	W	3.9	995.4	80.4	W	44.1	W	W	W	190.0
March 1998	W	1.8	982.3	76.8	0.8	183.0	W	W	W	321.4
April 1997	W	1.6	785.9	59.2	W	94.0	–	W	21.7	199.3
West Virginia										
April 1998	W	NA	W	6.3	0.7	3.4	–	W	W	43.7
March 1998	W	W	W	6.5	3.5	14.2	W	W	W	95.3
April 1997	W	W	W	6.1	2.2	5.5	–	W	W	W
PAD District II										
April 1998	32.6	NA	8,357.4	1,235.3	122.8	147.6	NA	154.0	630.7	8,500.3
March 1998	26.6	150.5	8,644.6	1,285.3	182.5	606.5	183.4	717.0	1,045.5	11,146.0
April 1997	26.5	181.8	9,407.2	1,242.5	154.7	261.5	114.0	175.0	724.7	7,939.8
Illinois										
April 1998	NA	W	1,962.2	NA	W	11.0	W	20.1	W	988.6
March 1998	NA	W	1,863.8	67.6	W	44.4	W	64.7	W	1,361.8
April 1997	W	W	2,072.9	108.1	2.9	14.9	W	18.0	W	777.4
Indiana										
April 1998	W	NA	990.7	NA	W	7.4	W	NA	W	408.0
March 1998	W	NA	1,111.5	118.6	W	63.4	5.3	29.8	W	583.1
April 1997	W	9.3	1,670.8	174.0	2.9	24.8	W	9.2	W	451.4
Iowa										
April 1998	NA	W	NA	26.2	–	W	NA	NA	W	379.8
March 1998	NA	11.8	94.0	25.1	–	NA	3.9	72.1	W	573.4
April 1997	W	W	42.0	28.2	–	W	W	10.4	W	262.5
Kansas										
April 1998	W	NA	W	NA	–	NA	NA	12.9	W	2,861.2
March 1998	W	NA	138.1	31.7	–	5.5	2.3	85.4	W	2,487.4
April 1997	W	W	W	39.8	–	1.3	–	5.8	18.9	2,276.5
Kentucky										
April 1998	W	W	395.6	20.1	0.9	12.6	W	W	W	412.9
March 1998	W	W	430.2	22.1	3.1	64.8	W	9.3	W	520.5
April 1997	1.0	W	324.0	W	1.3	30.7	0.3	W	W	298.4
Michigan										
April 1998	W	NA	795.3	122.6	2.8	NA	W	16.3	W	914.4
March 1998	W	27.3	967.7	134.1	4.9	88.3	W	45.0	W	1,005.3
April 1997	W	43.0	809.4	84.4	2.8	50.0	W	15.6	W	700.2
Minnesota										
April 1998	NA	29.2	1,016.6	125.5	W	W	W	18.7	91.4	417.1
March 1998	NA	W	1,011.8	132.6	W	W	37.0	99.1	152.7	746.6
April 1997	W	W	1,005.9	130.4	W	7.3	W	21.0	111.6	671.5
Missouri										
April 1998	W	W	341.5	NA	–	NA	NA	5.5	W	NA
March 1998	W	W	360.0	NA	–	7.5	W	12.7	W	884.8
April 1997	W	W	255.3	62.3	–	1.5	W	7.8	W	544.8

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
Nebraska										
April 1998	NA	W	88.5	NA	–	NA	NA	NA	–	88.8
March 1998	NA	W	90.1	NA	–	NA	1.9	46.1	–	264.3
April 1997	W	W	70.9	33.3	–	W	–	4.2	–	158.0
North Dakota										
April 1998	W	W	NA	NA	–	W	W	6.2	W	73.5
March 1998	W	W	13.4	7.5	–	W	3.5	52.0	W	203.3
April 1997	W	W	W	7.9	–	W	W	15.0	W	133.4
Ohio										
April 1998	10.7	36.7	1,143.7	328.2	9.8	38.7	W	7.2	W	655.7
March 1998	8.4	25.6	1,149.0	182.5	15.4	164.0	9.3	22.8	W	921.3
April 1997	W	34.7	1,027.9	209.2	12.7	81.3	W	10.4	W	600.7
Oklahoma										
April 1998	6.4	NA	324.6	209.9	–	W	W	4.1	W	307.3
March 1998	4.2	NA	299.4	337.1	–	9.1	W	17.8	W	594.0
April 1997	W	W	448.1	137.3	–	2.6	–	W	6.7	456.6
South Dakota										
April 1998	NA	NA	NA	NA	–	–	W	W	W	56.4
March 1998	NA	NA	22.3	NA	–	–	W	52.6	W	148.2
April 1997	W	W	18.1	W	–	–	–	7.3	W	81.5
Tennessee										
April 1998	W	15.9	879.8	49.9	4.4	33.1	NA	–	W	99.5
March 1998	W	12.0	960.4	56.9	6.8	142.4	W	–	W	250.1
April 1997	7.1	16.7	976.6	45.2	4.2	43.8	–	–	–	153.7
Wisconsin										
April 1998	–	W	W	62.7	W	1.1	W	32.5	85.8	362.5
March 1998	–	W	NA	78.1	W	4.7	NA	107.6	132.8	602.0
April 1997	W	W	185.6	25.8	W	2.6	W	48.1	111.6	373.4
PAD District III										
April 1998	23.7	NA	11,177.3	4,503.6	W	778.0	–	NA	2,245.3	13,613.6
March 1998	19.8	NA	10,926.4	4,671.6	4.1	556.5	W	NA	2,899.0	13,810.9
April 1997	28.1	89.8	9,529.3	3,509.3	3.3	124.7	W	W	2,456.9	10,804.8
Alabama										
April 1998	W	8.3	143.4	46.7	W	5.0	–	–	W	164.6
March 1998	2.1	6.9	145.0	39.4	0.7	19.4	–	W	W	308.5
April 1997	3.5	6.9	128.6	34.1	W	5.7	–	–	W	187.9
Arkansas										
April 1998	W	W	84.5	156.4	–	W	–	–	W	102.2
March 1998	W	W	82.2	NA	–	W	–	–	W	258.6
April 1997	W	W	58.3	59.4	–	W	–	–	W	110.3
Louisiana										
April 1998	2.0	10.7	2,640.2	879.8	W	W	–	–	803.4	1,483.1
March 1998	2.7	8.6	2,934.9	1,170.2	W	W	–	–	1,006.7	1,303.5
April 1997	W	7.9	2,404.9	681.0	W	W	–	–	581.6	1,273.1
Mississippi										
April 1998	W	W	579.9	58.9	W	W	–	–	W	354.4
March 1998	W	NA	694.1	181.2	W	W	–	–	W	750.9
April 1997	W	W	506.9	183.0	W	W	–	–	W	615.7
New Mexico										
April 1998	W	W	NA	NA	–	W	–	W	W	342.3
March 1998	W	W	NA	NA	–	W	–	4.4	W	513.7
April 1997	W	W	145.8	28.5	–	W	–	0.7	W	494.6
Texas										
April 1998	10.6	83.5	7,603.2	3,329.6	W	168.3	–	W	1,347.4	11,167.0
March 1998	7.7	72.8	6,950.0	3,191.1	0.6	54.2	W	W	1,726.9	10,675.7
April 1997	14.3	51.0	6,284.8	2,523.5	W	17.3	W	W	1,796.8	8,123.2
PAD District IV										
April 1998	14.0	NA	1,268.7	NA	–	NA	NA	49.2	26.2	1,041.5
March 1998	9.1	NA	1,344.5	NA	–	7.5	35.8	151.7	37.0	1,208.2
April 1997	5.0	19.3	1,702.3	117.7	W	5.7	6.3	56.1	31.5	1,098.4
Colorado										
April 1998	W	W	573.4	NA	–	NA	W	NA	W	334.6
March 1998	W	W	560.4	NA	–	5.7	W	45.2	W	441.5
April 1997	W	W	940.1	92.0	–	5.0	W	17.3	W	348.4

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
Idaho										
April 1998	W	W	42.6	6.5	–	W	W	NA	W	W
March 1998	W	W	53.0	9.8	–	W	7.9	17.2	W	11.1
April 1997	W	W	57.3	7.4	–	W	W	4.2	W	W
Montana										
April 1998	W	–	58.7	4.0	–	–	–	10.0	W	200.3
March 1998	W	W	60.6	3.3	–	W	5.5	32.6	W	222.3
April 1997	W	W	57.9	W	–	–	2.3	16.7	W	213.4
Utah										
April 1998	W	5.8	517.4	W	–	W	NA	NA	W	W
March 1998	W	4.7	630.3	19.5	–	NA	W	16.7	W	162.5
April 1997	W	4.8	637.1	14.4	–	W	W	6.0	W	W
Wyoming										
April 1998	W	W	76.5	W	–	–	1.0	10.3	W	330.6
March 1998	W	W	40.2	NA	–	–	10.8	40.0	W	370.7
April 1997	W	W	10.0	W	W	–	2.3	11.8	W	403.8
PAD District V										
April 1998	31.5	157.2	14,203.7	4,639.7	W	48.9	111.5	83.6	13.4	2,462.1
March 1998	28.7	151.5	13,635.7	4,336.7	0.2	64.3	161.0	145.1	14.9	2,396.2
April 1997	36.6	176.6	14,727.2	2,524.6	W	42.4	77.1	103.3	86.5	2,052.4
Alaska										
April 1998	W	26.7	2,053.1	119.7	W	–	W	67.3	1.8	W
March 1998	W	21.6	1,755.7	93.8	W	–	147.9	116.2	1.5	W
April 1997	W	28.2	1,835.4	112.2	–	–	W	88.8	W	W
Arizona										
April 1998	W	12.8	648.4	235.2	–	–	–	W	–	193.9
March 1998	W	13.5	564.9	229.5	W	W	W	W	–	47.8
April 1997	4.2	15.4	688.7	155.7	–	W	–	–	–	149.3
California										
April 1998	14.7	66.8	8,436.0	3,163.7	–	27.0	–	–	W	1,606.8
March 1998	11.3	72.9	8,052.3	2,922.9	–	39.2	–	W	6.9	1,574.8
April 1997	13.5	82.2	8,925.3	1,385.9	–	18.3	–	–	W	1,316.4
Hawaii										
April 1998	–	W	402.1	W	–	–	–	–	–	W
March 1998	–	W	482.3	W	–	–	–	–	–	W
April 1997	–	W	515.2	W	–	–	–	–	W	W
Nevada										
April 1998	W	8.4	460.1	114.1	–	W	–	W	W	153.0
March 1998	–	8.7	605.1	159.2	–	W	–	NA	W	146.8
April 1997	W	13.7	783.4	87.4	–	–	–	W	W	W
Oregon										
April 1998	W	W	492.9	W	–	W	–	3.1	W	22.3
March 1998	W	W	524.3	W	–	9.2	–	4.6	W	7.9
April 1997	W	W	472.6	W	W	W	–	W	W	W
Washington										
April 1998	W	W	1,711.1	390.9	W	14.0	W	11.8	W	439.3
March 1998	W	W	1,651.2	312.4	W	15.4	W	21.1	W	536.3
April 1997	W	W	1,506.6	137.2	–	16.6	W	9.7	W	417.7

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
United States										
April 1998	14,461.1	74,920.6	6,791.4	14,165.9	21,252.5	89,086.5	2,442.3	27,306.3	23,694.8	116,392.8
March 1998	14,321.6	73,946.4	7,937.3	14,547.0	22,258.9	88,493.5	2,591.8	31,988.9	24,850.7	120,482.4
April 1997	15,878.1	76,407.3	7,693.6	14,741.3	23,571.7	91,148.6	2,910.5	29,870.6	26,482.2	121,019.1
PAD District I										
April 1998	4,382.0	17,556.3	1,089.2	2,282.2	5,471.3	19,838.5	742.2	14,808.0	6,213.5	34,646.5
March 1998	4,263.9	17,650.0	1,282.9	3,084.4	5,546.8	20,734.4	946.3	20,943.9	6,493.1	41,678.3
April 1997	4,746.4	17,146.9	1,373.1	2,453.4	6,119.5	19,600.3	895.4	17,763.2	7,014.9	37,363.4
Subdistrict IA										
April 1998	W	W	W	W	317.9	1,509.9	22.9	2,213.4	340.8	3,723.3
March 1998	W	W	W	W	298.5	1,617.3	35.7	3,625.7	334.2	5,243.0
April 1997	W	W	W	W	284.7	1,452.5	36.5	4,305.9	321.1	5,758.4
Connecticut										
April 1998	W	W	–	W	W	487.5	W	887.2	129.7	1,374.7
March 1998	W	W	–	W	W	527.0	W	1,041.9	118.6	1,568.9
April 1997	110.2	W	–	W	110.2	384.5	7.6	1,398.9	117.8	1,783.4
Maine										
April 1998	W	W	W	W	22.5	128.7	–	295.2	22.5	423.9
March 1998	W	W	W	W	W	141.0	–	441.0	W	581.9
April 1997	W	W	W	W	W	170.0	W	358.4	16.7	528.4
Massachusetts										
April 1998	108.9	W	W	W	W	607.2	W	455.1	127.4	1,062.3
March 1998	95.3	W	W	W	W	706.7	W	982.3	110.7	1,689.0
April 1997	W	W	W	W	118.0	540.8	20.5	1,822.4	138.5	2,363.2
New Hampshire										
April 1998	9.9	15.5	W	W	W	W	W	W	15.1	47.1
March 1998	10.9	15.4	W	W	W	W	W	W	W	W
April 1997	W	36.5	–	–	W	36.5	W	W	12.7	W
Rhode Island										
April 1998	W	W	–	W	W	252.8	W	542.8	22.5	795.6
March 1998	W	W	–	W	W	197.8	W	1,093.6	28.2	1,291.4
April 1997	21.5	W	–	W	21.5	307.4	0.7	461.3	22.2	768.7
Vermont										
April 1998	10.9	W	W	W	W	W	W	W	23.5	19.6
March 1998	W	W	W	–	W	W	W	W	34.5	W
April 1997	10.0	13.3	W	–	W	13.3	W	W	13.3	W
Subdistrict IB										
April 1998	W	W	W	W	1,540.4	7,427.9	355.0	9,801.0	1,895.4	17,228.9
March 1998	W	W	W	W	1,562.3	7,580.8	574.5	14,279.0	2,136.8	21,859.8
April 1997	W	W	W	W	1,999.4	7,270.4	498.4	10,499.2	2,497.8	17,769.6
Delaware										
April 1998	23.3	W	W	–	W	W	W	W	32.6	W
March 1998	W	W	W	–	W	W	W	W	21.3	W
April 1997	W	W	–	–	W	W	W	W	W	W
District of Columbia										
April 1998	W	W	–	–	W	W	W	W	7.8	W
March 1998	4.9	W	–	–	4.9	W	–	W	4.9	W
April 1997	W	W	–	–	W	W	W	W	W	W
Maryland										
April 1998	199.2	540.1	4.5	32.2	203.7	572.4	34.7	466.2	238.4	1,038.5
March 1998	198.2	534.0	W	64.4	W	598.4	W	601.8	350.9	1,200.2
April 1997	W	623.9	W	60.3	312.6	684.1	39.4	504.6	352.0	1,188.8
New Jersey										
April 1998	342.6	2,747.9	106.6	102.6	449.3	2,850.5	65.6	3,669.5	514.9	6,520.0
March 1998	345.9	2,635.6	125.5	221.7	471.4	2,857.3	72.7	6,284.0	544.2	9,141.3
April 1997	412.4	2,151.5	202.6	261.7	614.9	2,413.3	122.3	4,689.2	737.2	7,102.5
New York										
April 1998	289.5	W	15.3	W	304.8	1,177.7	120.7	3,352.3	425.5	4,530.0
March 1998	254.5	W	11.4	W	266.0	1,044.2	171.4	4,127.1	437.3	5,171.3
April 1997	265.7	W	12.0	W	277.7	1,095.0	160.5	2,970.5	438.1	4,065.6
Pennsylvania										
April 1998	507.9	2,369.9	43.4	231.9	551.2	2,601.9	124.9	2,205.6	676.2	4,807.5
March 1998	474.6	W	53.9	W	528.5	2,887.0	249.8	3,033.1	778.3	5,920.1
April 1997	693.9	2,630.4	69.4	270.1	763.3	2,900.5	167.8	2,179.9	931.0	5,080.4

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
Subdistrict IC										
April 1998	2,728.6	9,463.9	884.4	1,436.8	3,612.9	10,900.7	364.3	2,793.6	3,977.2	13,694.4
March 1998	2,704.5	9,668.4	981.5	1,867.8	3,686.1	11,536.2	336.1	3,039.3	4,022.1	14,575.5
April 1997	2,840.1	9,375.6	995.3	1,501.8	3,835.5	10,877.4	360.5	2,958.0	4,196.0	13,835.4
Florida										
April 1998	1,025.9	2,425.0	281.7	536.5	1,307.6	2,961.5	22.5	651.1	1,330.0	3,612.6
March 1998	1,007.3	2,489.0	308.3	597.9	1,315.5	3,086.9	19.7	546.1	1,335.3	3,633.0
April 1997	1,088.2	2,341.5	W	536.0	W	2,877.6	W	532.3	1,506.9	3,409.9
Georgia										
April 1998	693.1	1,940.8	153.7	275.4	846.8	2,216.3	34.5	459.8	881.3	2,676.1
March 1998	695.9	2,104.9	150.5	292.0	846.4	2,396.9	35.1	423.8	881.5	2,820.7
April 1997	719.3	1,931.7	132.6	259.4	851.9	2,191.1	10.1	422.1	862.0	2,613.2
North Carolina										
April 1998	334.1	2,001.2	95.5	312.6	429.6	2,313.8	NA	473.8	526.9	2,787.6
March 1998	342.8	1,925.0	156.1	481.3	499.0	2,406.3	150.7	608.3	649.7	3,014.6
April 1997	370.1	1,900.3	111.7	322.2	481.7	2,222.4	118.8	624.6	600.5	2,847.0
South Carolina										
April 1998	296.9	W	W	W	W	1,006.9	W	218.9	382.5	1,225.8
March 1998	293.1	1,004.2	W	145.1	W	1,149.3	W	285.3	373.2	1,434.5
April 1997	252.2	W	W	W	W	881.9	W	257.6	323.2	1,139.6
Virginia										
April 1998	283.0	1,874.9	155.3	145.5	438.3	2,020.4	95.6	790.5	533.9	2,810.9
March 1998	271.5	1,830.8	189.4	272.5	460.9	2,103.3	57.3	976.6	518.2	3,079.9
April 1997	310.0	2,085.9	228.6	250.5	538.6	2,336.4	32.6	933.6	571.2	3,270.0
West Virginia										
April 1998	95.5	W	W	W	W	381.9	W	199.5	322.6	581.3
March 1998	93.9	314.5	W	79.1	W	393.5	W	199.2	264.4	592.8
April 1997	100.4	W	185.1	W	285.5	368.0	46.7	187.8	332.2	555.8
PAD District II										
April 1998	5,634.6	23,372.8	2,285.1	2,592.6	7,919.8	25,965.4	1,235.5	6,659.5	9,155.3	32,624.9
March 1998	5,545.1	22,866.7	2,344.0	2,369.2	7,889.1	25,235.9	1,139.1	6,732.8	9,028.2	31,968.6
April 1997	6,268.9	22,507.6	2,063.9	3,183.9	8,332.8	25,691.5	1,446.9	7,914.7	9,779.6	33,606.2
Illinois										
April 1998	592.8	1,690.2	115.3	117.5	708.2	1,807.7	NA	1,431.1	890.9	3,238.8
March 1998	548.6	2,577.1	116.9	84.5	665.5	2,661.5	211.0	1,581.9	876.5	4,243.4
April 1997	633.3	1,779.0	W	304.0	W	2,083.0	W	1,365.5	973.1	3,448.5
Indiana										
April 1998	957.5	2,028.3	78.3	223.7	1,035.7	2,252.0	NA	793.1	1,214.0	3,045.0
March 1998	943.3	1,958.9	W	213.9	W	2,172.9	W	745.2	1,151.3	2,918.0
April 1997	1,062.7	2,102.1	150.6	417.1	1,213.3	2,519.2	225.6	706.4	1,438.9	3,225.6
Iowa										
April 1998	NA	1,691.5	W	53.9	W	1,745.3	W	180.3	NA	1,925.6
March 1998	134.9	1,460.0	W	31.6	W	1,491.6	W	151.4	154.2	1,643.0
April 1997	160.8	1,703.9	W	72.6	W	1,776.5	W	436.2	345.4	2,212.7
Kansas										
April 1998	W	1,698.4	W	152.3	287.2	1,850.7	NA	241.4	293.0	2,092.1
March 1998	130.8	1,616.8	W	117.9	W	1,734.7	W	144.4	349.8	1,879.1
April 1997	154.0	1,449.7	W	154.4	W	1,604.1	W	380.7	170.7	1,984.8
Kentucky										
April 1998	349.0	977.5	256.4	262.3	605.4	1,239.8	94.4	486.5	699.8	1,726.3
March 1998	362.1	1,004.5	295.3	238.0	657.4	1,242.5	49.9	458.2	707.3	1,700.7
April 1997	344.0	818.6	311.0	191.0	655.1	1,009.6	38.9	518.4	693.9	1,527.9
Michigan										
April 1998	527.4	1,700.0	160.6	NA	688.0	1,872.5	NA	650.7	734.2	2,523.2
March 1998	509.6	1,534.2	127.4	160.7	637.0	1,694.9	52.9	705.9	690.0	2,400.8
April 1997	622.4	1,519.6	70.2	204.5	692.6	1,724.0	85.7	705.0	778.2	2,429.1
Minnesota										
April 1998	142.5	1,385.5	31.9	178.4	174.4	1,563.8	NA	378.7	336.7	1,942.5
March 1998	131.1	1,003.0	15.2	203.0	146.2	1,206.0	169.6	288.9	315.9	1,494.9
April 1997	195.9	1,294.3	W	247.7	W	1,542.0	W	411.0	332.2	1,953.0
Missouri										
April 1998	NA	1,751.0	23.7	103.8	210.1	1,854.8	NA	100.9	NA	1,955.6
March 1998	W	1,684.5	15.8	97.4	W	1,781.8	W	85.8	199.5	1,867.6
April 1997	191.3	1,835.9	W	111.6	W	1,947.5	W	256.4	220.4	2,203.9

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
Nebraska										
April 1998	W	1,137.4	W	149.6	180.9	1,286.9	NA	68.6	182.7	1,355.6
March 1998	27.5	800.3	W	85.4	W	885.7	W	50.1	176.6	935.7
April 1997	29.9	991.1	W	99.0	W	1,090.1	W	390.4	35.9	1,480.5
North Dakota										
April 1998	33.0	657.0	NA	NA	33.2	719.7	NA	84.7	NA	804.3
March 1998	W	527.8	W	64.2	16.5	592.0	W	86.1	W	678.1
April 1997	24.6	452.2	–	73.8	24.6	525.9	W	102.4	W	628.3
Ohio										
April 1998	W	2,118.9	W	249.4	1,910.1	2,368.3	47.0	986.4	1,957.2	3,354.7
March 1998	1,455.4	2,114.8	506.4	272.1	1,961.8	2,386.9	56.0	1,161.8	2,017.9	3,548.7
April 1997	W	1,892.6	W	382.6	2,121.5	2,275.1	34.4	1,094.0	2,155.9	3,369.1
Oklahoma										
April 1998	W	2,348.0	602.1	210.6	W	2,558.6	W	175.3	1,056.2	2,733.8
March 1998	265.5	2,638.0	W	185.8	W	2,823.9	W	73.9	1,082.4	2,897.8
April 1997	188.2	2,477.3	W	138.2	W	2,615.5	W	166.4	1,078.1	2,781.9
South Dakota										
April 1998	17.0	667.7	NA	7.6	17.1	675.2	NA	NA	18.3	706.6
March 1998	W	500.8	–	8.6	W	509.4	W	26.9	W	536.3
April 1997	W	660.8	W	10.3	W	671.1	W	92.3	W	763.4
Tennessee										
April 1998	615.0	1,832.4	247.5	405.0	862.4	2,237.4	23.9	561.3	886.3	2,798.7
March 1998	566.8	1,861.4	227.2	377.5	793.9	2,238.9	22.3	473.6	816.3	2,712.5
April 1997	713.7	1,951.0	189.6	493.6	903.3	2,444.6	38.3	757.1	941.6	3,201.7
Wisconsin										
April 1998	W	1,689.2	W	243.4	284.1	1,932.6	NA	489.3	302.2	2,421.9
March 1998	W	1,584.4	W	228.7	278.4	1,813.1	NA	698.7	296.9	2,511.9
April 1997	360.0	1,579.4	W	283.8	W	1,863.2	W	532.6	412.9	2,395.8
PAD District III										
April 1998	1,711.0	18,456.0	1,936.8	6,635.4	3,647.8	25,091.3	163.8	5,329.9	3,811.5	30,421.2
March 1998	1,733.8	17,508.1	2,423.4	6,723.9	4,157.2	24,232.0	278.2	3,929.1	4,435.4	28,161.1
April 1997	1,945.9	21,479.6	2,173.0	6,261.5	4,118.9	27,741.1	313.9	3,778.6	4,432.8	31,519.7
Alabama										
April 1998	184.4	1,172.6	112.0	166.5	296.5	1,339.2	26.6	386.2	323.1	1,725.4
March 1998	200.9	1,186.2	112.9	270.4	313.8	1,456.5	38.2	353.2	352.0	1,809.8
April 1997	214.5	1,140.3	141.1	W	355.6	W	9.5	W	365.1	1,681.8
Arkansas										
April 1998	189.7	1,318.8	W	590.3	W	1,909.1	W	NA	204.2	2,009.8
March 1998	192.3	1,307.8	W	602.3	W	1,910.1	W	84.5	210.2	1,994.6
April 1997	213.1	1,259.4	36.1	603.0	249.2	1,862.4	–	200.1	249.2	2,062.5
Louisiana										
April 1998	W	1,685.4	430.1	3,387.9	W	5,073.3	W	840.5	627.4	5,913.8
March 1998	W	1,682.2	1,011.5	3,317.3	W	4,999.5	W	804.9	1,225.9	5,804.5
April 1997	W	2,107.1	556.6	2,671.0	W	4,778.1	W	821.6	759.7	5,599.7
Mississippi										
April 1998	146.9	1,108.6	W	501.1	W	1,609.7	W	614.8	229.9	2,224.5
March 1998	151.2	1,062.0	W	536.7	W	1,598.7	W	941.9	236.2	2,540.6
April 1997	157.6	1,167.6	W	1,271.3	W	2,439.0	W	188.3	240.7	2,627.3
New Mexico										
April 1998	W	745.7	W	103.6	149.4	849.3	–	–	149.4	849.3
March 1998	W	692.6	W	84.0	157.6	776.6	–	–	157.6	776.6
April 1997	W	861.9	W	W	146.8	W	–	W	146.8	936.7
Texas										
April 1998	W	12,424.9	1,298.0	1,886.0	W	14,310.8	W	3,387.6	2,277.6	17,698.5
March 1998	899.2	11,577.2	1,192.6	1,913.3	2,091.8	13,490.5	161.6	1,744.5	2,253.4	15,235.0
April 1997	W	14,943.4	1,321.1	1,466.0	W	16,409.4	W	2,202.4	2,671.3	18,611.8
PAD District IV										
April 1998	909.8	3,635.8	381.5	W	1,291.3	W	NA	W	1,384.7	4,114.8
March 1998	881.5	3,128.4	W	W	W	W	W	W	1,451.9	3,477.5
April 1997	779.6	3,488.0	W	W	W	W	W	W	1,444.8	3,973.4
Colorado										
April 1998	W	W	W	W	270.8	W	NA	W	271.4	1,035.8
March 1998	172.9	W	W	W	W	W	W	W	317.3	979.2
April 1997	127.8	1,081.9	W	W	W	W	W	W	370.0	1,152.3

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
Idaho										
April 1998	W	474.2	W	NA	109.6	671.4	NA	–	111.5	671.4
March 1998	24.4	369.5	W	153.3	W	522.8	W	–	97.1	522.8
April 1997	W	395.1	W	W	W	W	W	W	102.7	602.8
Montana										
April 1998	182.4	674.1	–	NA	182.4	674.2	NA	–	182.7	674.2
March 1998	W	600.5	–	NA	W	600.6	W	–	167.1	600.6
April 1997	199.7	709.7	–	W	199.7	W	–	W	199.7	711.9
Utah										
April 1998	286.8	822.9	22.1	NA	308.9	1,050.9	NA	–	399.5	1,050.9
March 1998	266.0	601.0	W	148.7	W	749.7	W	–	382.3	749.7
April 1997	241.9	624.0	W	194.7	W	818.7	W	–	355.2	818.7
Wyoming										
April 1998	W	W	W	W	419.6	682.6	–	–	419.6	682.6
March 1998	W	W	W	W	488.1	625.3	–	–	488.1	625.3
April 1997	W	677.3	W	W	417.2	W	–	W	417.2	687.7
PAD District V										
April 1998	1,823.6	11,899.7	1,098.8	W	2,922.4	W	207.4	W	3,129.8	14,585.3
March 1998	1,897.3	12,793.2	W	W	W	W	W	W	3,442.1	15,196.8
April 1997	2,137.4	11,785.2	W	W	W	W	W	W	3,810.1	14,556.4
Alaska										
April 1998	W	NA	111.3	W	W	W	202.1	W	322.3	759.7
March 1998	W	NA	W	W	221.8	W	134.5	W	356.3	502.3
April 1997	W	W	W	W	72.7	120.4	145.5	342.7	218.2	463.1
Arizona										
April 1998	W	W	W	W	390.8	877.3	–	–	390.8	877.3
March 1998	W	W	W	W	414.8	1,041.5	–	–	414.8	1,041.5
April 1997	W	W	W	W	401.3	808.0	–	–	401.3	808.0
California										
April 1998	W	7,736.5	W	W	1,314.5	W	–	W	1,314.5	8,111.5
March 1998	W	8,053.8	W	W	1,390.0	W	–	W	1,390.0	8,311.0
April 1997	1,564.3	7,536.6	52.2	W	1,616.5	W	–	W	1,616.5	8,105.2
Hawaii										
April 1998	41.6	49.1	W	86.0	W	135.1	–	–	W	135.1
March 1998	43.4	W	W	W	W	139.3	–	–	W	139.3
April 1997	W	55.8	W	72.5	W	128.3	W	–	W	128.3
Nevada										
April 1998	W	W	W	W	50.3	491.4	–	–	W	491.4
March 1998	W	536.1	W	NA	85.1	556.4	–	–	85.1	556.4
April 1997	W	W	W	W	89.2	504.3	–	–	W	504.3
Oregon										
April 1998	W	964.3	W	511.9	257.9	1,476.2	–	–	257.9	1,476.2
March 1998	W	1,171.7	W	566.0	256.5	1,737.7	–	–	256.5	1,737.7
April 1997	W	1,166.5	W	599.4	323.6	1,765.9	–	–	323.6	1,765.9
Washington										
April 1998	114.6	1,878.0	340.3	W	454.9	W	5.2	W	460.1	2,734.0
March 1998	W	2,010.8	NA	W	W	W	W	W	W	2,908.6
April 1997	104.5	W	W	951.1	W	W	W	W	780.4	2,781.5

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[a]	
	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		
United States								
April 1998	3,466.5	6,487.0	11,898.8	9,931.2	15,365.3	16,418.2	256.7	98.1
March 1998	4,246.0	5,535.2	11,255.5	7,212.5	15,501.5	12,747.7	385.6	279.0
April 1997	2,799.1	3,697.9	8,540.5	6,788.3	11,339.6	10,486.2	233.3	288.4
PAD District I								
April 1998	2,214.4	5,294.2	5,318.2	3,681.5	7,532.6	8,975.7	W	74.4
March 1998	3,213.9	W	5,916.3	W	9,130.2	5,723.2	W	210.4
April 1997	1,679.1	2,753.5	3,722.7	1,394.9	5,401.8	4,148.4	W	188.5
Subdistrict IA								
April 1998	W	W	W	W	W	W	W	W
March 1998	W	W	W	W	W	W	W	W
April 1997	W	W	W	W	W	W	W	W
Subdistrict IB								
April 1998	W	3,510.6	W	747.9	4,336.5	4,258.6	W	66.1
March 1998	2,648.8	W	2,927.6	W	5,576.4	3,821.8	W	196.8
April 1997	W	2,117.5	W	231.3	2,770.0	2,348.8	W	147.9
Subdistrict IC								
April 1998	376.0	W	W	W	W	W	W	W
March 1998	W	W	W	W	W	W	18.3	W
April 1997	W	W	1,763.8	W	W	W	W	W
PAD District II								
April 1998	W	W	W	W	83.5	443.2	W	W
March 1998	W	W	86.5	W	W	416.4	7.6	W
April 1997	W	W	W	W	40.9	741.4	8.4	–
PAD District III								
April 1998	–	618.5	4,562.4	4,986.7	4,562.4	5,605.2	W	W
March 1998	–	NA	3,704.9	4,177.1	3,704.9	5,265.8	–	W
April 1997	W	NA	W	2,983.2	2,917.5	3,354.6	–	W
PAD District IV								
April 1998	–	W	NA	W	NA	30.9	–	–
March 1998	–	W	W	W	W	58.0	–	–
April 1997	–	W	9.9	W	9.9	34.3	–	–
PAD District V								
April 1998	W	460.2	W	902.8	3,172.3	1,363.1	W	W
March 1998	W	437.5	W	846.8	2,564.8	1,284.3	W	W
April 1997	1,104.8	488.5	1,864.7	1,718.9	2,969.5	2,207.4	W	W

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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[a]	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
United States								
April 1998	168,971.7	6,109.6	77,929.5	253,010.7	23,558.5	1,127.1	15,069.4	39,755.0
March 1998	160,301.9	8,156.3	75,682.6	244,140.9	22,984.5	1,363.3	14,895.3	39,243.0
April 1997	170,768.3	3,421.2	73,168.2	247,357.7	24,191.5	478.5	15,595.7	40,265.7
PAD District I								
April 1998	51,961.7	–	31,109.5	83,071.3	9,298.7	–	5,886.5	15,185.2
March 1998	50,223.0	–	30,471.4	80,694.4	9,103.7	–	5,752.7	14,856.4
April 1997	50,201.3	–	30,567.0	80,768.3	9,465.4	–	6,364.3	15,829.7
Subdistrict IA								
April 1998	1,533.5	–	9,884.0	11,417.5	186.3	–	1,534.7	1,721.0
March 1998	1,504.9	–	9,776.2	11,281.1	184.5	–	1,514.8	1,699.4
April 1997	1,501.7	–	10,049.4	11,551.1	204.5	–	1,659.0	1,863.5
Connecticut								
April 1998	–	–	2,604.7	2,604.7	–	–	442.7	442.7
March 1998	–	–	2,495.6	2,495.6	–	–	424.0	424.0
April 1997	–	–	2,519.3	2,519.3	–	–	459.5	459.5
Maine								
April 1998	755.0	–	968.8	1,723.8	85.1	–	96.4	181.5
March 1998	731.2	–	930.9	1,662.1	84.2	–	89.9	174.1
April 1997	766.3	–	974.5	1,740.8	97.3	–	108.6	205.9
Massachusetts								
April 1998	W	–	W	4,602.8	–	–	744.4	744.4
March 1998	–	–	4,674.4	4,674.4	–	–	758.5	758.5
April 1997	–	–	4,831.6	4,831.6	–	–	824.6	824.6
New Hampshire								
April 1998	W	–	W	1,010.3	NA	–	96.5	135.2
March 1998	280.5	–	722.1	1,002.5	37.2	–	97.5	134.7
April 1997	254.1	–	647.4	901.5	40.5	–	95.2	135.7
Rhode Island								
April 1998	–	–	986.5	986.5	–	–	154.7	154.7
March 1998	–	–	953.2	953.2	–	–	144.9	144.9
April 1997	–	–	1,076.6	1,076.6	–	–	171.1	171.1
Vermont								
April 1998	489.5	–	–	489.5	62.6	–	–	62.6
March 1998	493.2	–	–	493.2	63.1	–	–	63.1
April 1997	481.3	–	–	481.3	66.7	–	–	66.7
Subdistrict IB								
April 1998	13,462.4	–	17,726.4	31,188.8	1,507.9	–	3,504.4	5,012.2
March 1998	12,865.5	–	17,301.4	30,166.9	1,449.0	–	3,422.5	4,871.5
April 1997	13,304.6	–	17,179.7	30,484.3	1,735.6	–	3,826.0	5,561.6
Delaware								
April 1998	–	–	753.3	753.3	–	–	166.6	166.6
March 1998	–	–	690.7	690.7	–	–	157.4	157.4
April 1997	–	–	665.8	665.8	–	–	164.8	164.8
District of Columbia								
April 1998	–	–	124.6	124.6	–	–	75.2	75.2
March 1998	–	–	122.0	122.0	–	–	NA	NA
April 1997	–	–	133.5	133.5	–	–	78.8	78.8
Maryland								
April 1998	W	–	W	3,289.2	65.0	–	750.0	814.9
March 1998	W	–	W	3,246.0	73.4	–	740.6	814.0
April 1997	492.0	–	3,001.2	3,493.3	88.1	–	837.0	925.1
New Jersey								
April 1998	W	–	W	7,008.4	–	–	1,205.2	1,205.2
March 1998	W	–	W	6,975.2	–	–	1,156.2	1,156.2
April 1997	–	–	6,659.8	6,659.8	–	–	1,240.6	1,240.6
New York								
April 1998	5,166.8	–	4,498.2	9,665.0	457.9	–	790.6	1,248.5
March 1998	4,986.5	–	4,463.0	9,449.5	431.6	–	791.4	1,223.0
April 1997	5,114.9	–	4,232.4	9,347.3	500.7	–	926.0	1,426.7
Pennsylvania								
April 1998	7,894.9	–	2,453.5	10,348.4	985.0	–	516.7	1,501.7
March 1998	7,441.1	–	2,242.5	9,683.6	944.0	–	504.9	1,448.9
April 1997	7,697.6	–	2,487.0	10,184.6	1,146.8	–	578.7	1,725.5

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
United States								
April 1998	36,559.4	667.4	24,111.4	61,338.3	229,089.6	7,904.1	117,110.3	354,104.0
March 1998	35,452.8	1,095.9	23,835.1	60,383.9	218,739.2	10,615.6	114,413.0	343,767.8
April 1997	34,347.1	486.2	22,316.0	57,149.3	229,306.9	4,385.8	111,080.0	344,772.7
PAD District I								
April 1998	15,146.2	–	12,586.4	27,732.6	76,406.7	–	49,582.4	125,989.0
March 1998	14,619.6	–	12,346.2	26,965.8	73,946.4	–	48,570.3	122,516.6
April 1997	13,471.3	–	12,012.3	25,483.6	73,138.0	–	48,943.7	122,081.7
Subdistrict IA								
April 1998	236.4	–	2,601.3	2,837.7	1,956.2	–	14,020.0	15,976.2
March 1998	245.0	–	2,490.4	2,735.3	1,934.4	–	13,781.4	15,715.8
April 1997	217.6	–	2,459.9	2,677.5	1,923.8	–	14,168.4	16,092.1
Connecticut								
April 1998	–	–	737.0	737.0	–	–	3,784.4	3,784.4
March 1998	–	–	697.0	697.0	–	–	3,616.6	3,616.6
April 1997	–	–	678.9	678.9	–	–	3,657.7	3,657.7
Maine								
April 1998	98.5	–	162.2	260.7	938.6	–	1,227.4	2,166.0
March 1998	100.0	–	149.5	249.5	915.5	–	1,170.3	2,085.8
April 1997	91.1	–	153.4	244.5	954.7	–	1,236.5	2,191.2
Massachusetts								
April 1998	–	–	1,300.3	1,300.3	W	–	W	6,647.5
March 1998	–	–	1,255.3	1,255.3	–	–	6,688.3	6,688.3
April 1997	–	–	1,230.3	1,230.3	–	–	6,886.5	6,886.5
New Hampshire								
April 1998	46.4	–	142.6	188.9	W	–	W	1,334.4
March 1998	47.3	–	141.1	188.4	364.9	–	960.7	1,325.6
April 1997	38.8	–	126.1	164.9	333.5	–	868.7	1,202.1
Rhode Island								
April 1998	–	–	259.2	259.2	–	–	1,400.4	1,400.4
March 1998	–	–	247.4	247.4	–	–	1,345.5	1,345.5
April 1997	–	–	271.3	271.3	–	–	1,519.0	1,519.0
Vermont								
April 1998	91.5	–	–	91.5	643.7	–	–	643.7
March 1998	97.7	–	–	97.7	654.0	–	–	654.0
April 1997	87.6	–	–	87.6	635.6	–	–	635.6
Subdistrict IB								
April 1998	2,914.4	–	8,568.0	11,482.4	17,884.7	–	29,798.8	47,683.5
March 1998	2,615.2	–	8,494.6	11,109.7	16,929.7	–	29,218.5	46,148.2
April 1997	2,557.4	–	8,286.9	10,844.3	17,597.6	–	29,292.6	46,890.2
Delaware								
April 1998	–	–	174.5	174.5	–	–	1,094.4	1,094.4
March 1998	–	–	159.3	159.3	–	–	1,007.4	1,007.4
April 1997	–	–	153.0	153.0	–	–	983.7	983.7
District of Columbia								
April 1998	–	–	NA	NA	–	–	354.7	354.7
March 1998	–	–	NA	NA	–	–	347.9	347.9
April 1997	–	–	156.4	156.4	–	–	368.8	368.8
Maryland								
April 1998	W	–	W	1,309.0	W	–	W	5,413.1
March 1998	101.8	–	1,183.7	1,285.5	W	–	W	5,345.5
April 1997	108.1	–	1,196.3	1,304.4	688.2	–	5,034.5	5,722.7
New Jersey								
April 1998	W	–	W	3,198.1	W	–	W	11,411.7
March 1998	–	–	3,201.3	3,201.3	W	–	W	11,332.7
April 1997	–	–	3,154.6	3,154.6	–	–	11,055.0	11,055.0
New York								
April 1998	868.3	–	2,999.2	3,867.5	6,493.0	–	8,288.0	14,781.0
March 1998	844.4	–	2,962.5	3,806.9	6,262.5	–	8,216.8	14,479.4
April 1997	828.4	–	2,764.8	3,593.1	6,443.9	–	7,923.2	14,367.1
Pennsylvania								
April 1998	1,950.4	–	827.9	2,778.3	10,830.3	–	3,798.2	14,628.5
March 1998	1,668.9	–	833.9	2,502.8	10,054.0	–	3,581.4	13,635.3
April 1997	1,621.0	–	861.8	2,482.8	10,465.5	–	3,927.5	14,392.9

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[a]	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
Subdistrict IC								
April 1998	36,965.8	–	3,499.1	40,464.9	7,604.5	–	847.4	8,452.0
March 1998	35,852.6	–	3,393.8	39,246.4	7,470.1	–	815.3	8,285.5
April 1997	35,395.1	–	3,337.9	38,732.9	7,525.3	–	879.3	8,404.6
Florida								
April 1998	12,486.7	–	–	12,486.7	3,050.6	–	–	3,050.6
March 1998	12,753.9	–	–	12,753.9	3,042.3	–	–	3,042.3
April 1997	12,077.7	–	–	12,077.7	3,033.3	–	–	3,033.3
Georgia								
April 1998	8,321.2	–	–	8,321.2	1,682.6	–	–	1,682.6
March 1998	8,050.1	–	–	8,050.1	1,642.0	–	–	1,642.0
April 1997	7,974.6	–	–	7,974.6	1,611.1	–	–	1,611.1
North Carolina								
April 1998	7,611.4	–	–	7,611.4	1,440.5	–	–	1,440.5
March 1998	7,174.6	–	–	7,174.6	1,418.1	–	–	1,418.1
April 1997	7,238.3	–	–	7,238.3	1,445.9	–	–	1,445.9
South Carolina								
April 1998	4,082.8	–	–	4,082.8	690.6	–	–	690.6
March 1998	3,855.4	–	–	3,855.4	679.5	–	–	679.5
April 1997	3,996.1	–	–	3,996.1	703.3	–	–	703.3
Virginia								
April 1998	3,368.8	–	3,499.1	6,867.9	563.1	–	847.4	1,410.5
March 1998	2,960.0	–	3,393.8	6,353.7	503.9	–	815.3	1,319.2
April 1997	3,128.1	–	3,337.9	6,466.0	550.5	–	879.3	1,429.8
West Virginia								
April 1998	1,094.9	–	–	1,094.9	177.2	–	–	177.2
March 1998	1,058.6	–	–	1,058.6	184.4	–	–	184.4
April 1997	980.4	–	–	980.4	181.2	–	–	181.2
PAD District II								
April 1998	67,461.1	3,688.6	8,299.4	79,449.1	7,216.0	801.7	1,697.6	9,715.3
March 1998	63,755.7	3,361.0	7,810.4	74,927.0	7,196.0	670.6	1,658.4	9,525.0
April 1997	68,424.7	2,133.9	7,572.0	78,130.5	7,139.1	299.3	1,651.2	9,089.6
Illinois								
April 1998	4,633.6	–	4,828.2	9,461.7	481.9	–	1,185.7	1,667.6
March 1998	4,331.2	–	4,572.0	8,903.1	512.8	–	1,161.3	1,674.1
April 1997	4,803.9	–	4,492.6	9,296.5	398.1	–	1,158.2	1,556.3
Indiana								
April 1998	5,484.1	–	871.6	6,355.7	755.7	–	144.6	900.3
March 1998	5,260.4	–	708.9	5,969.3	749.6	–	128.3	877.9
April 1997	5,481.9	–	705.1	6,187.0	779.6	–	140.2	919.8
Iowa								
April 1998	3,463.8	–	–	3,463.8	300.9	–	–	300.9
March 1998	3,098.5	–	–	3,098.5	299.5	–	–	299.5
April 1997	3,511.0	–	–	3,511.0	174.8	–	–	174.8
Kansas								
April 1998	3,681.5	–	–	3,681.5	149.8	–	–	149.8
March 1998	3,488.5	–	–	3,488.5	150.7	–	–	150.7
April 1997	3,544.3	–	–	3,544.3	133.3	–	–	133.3
Kentucky								
April 1998	3,219.3	–	936.4	4,155.7	W	–	W	609.0
March 1998	3,123.5	–	911.4	4,034.9	414.7	–	173.5	588.2
April 1997	3,216.5	–	932.4	4,148.8	420.7	–	184.6	605.3
Michigan								
April 1998	10,228.3	–	–	10,228.3	1,027.3	–	–	1,027.3
March 1998	9,781.7	–	–	9,781.7	1,021.5	–	–	1,021.5
April 1997	9,941.4	–	–	9,941.4	1,079.8	–	–	1,079.8
Minnesota								
April 1998	1,276.3	3,688.6	–	4,964.9	W	W	–	827.7
March 1998	1,070.5	3,361.0	–	4,431.5	23.3	670.6	–	693.9
April 1997	3,185.9	2,133.9	–	5,319.8	73.1	299.3	–	372.4
Missouri								
April 1998	6,228.5	–	–	6,228.5	476.0	–	–	476.0
March 1998	5,902.3	–	–	5,902.3	481.9	–	–	481.9
April 1997	6,091.4	–	–	6,091.4	439.6	–	–	439.6

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	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
Subdistrict IC								
April 1998	11,995.4	–	1,417.0	13,412.4	56,565.8	–	5,763.5	62,329.3
March 1998	11,759.5	–	1,361.3	13,120.7	55,082.3	–	5,570.4	60,652.6
April 1997	10,696.3	–	1,265.5	11,961.8	53,616.7	–	5,482.7	59,099.3
Florida								
April 1998	4,972.6	–	–	4,972.6	20,510.0	–	–	20,510.0
March 1998	5,017.1	–	–	5,017.1	20,813.4	–	–	20,813.4
April 1997	4,473.1	–	–	4,473.1	19,584.1	–	–	19,584.1
Georgia								
April 1998	2,507.4	–	–	2,507.4	12,511.1	–	–	12,511.1
March 1998	2,466.1	–	–	2,466.1	12,158.2	–	–	12,158.2
April 1997	2,313.0	–	–	2,313.0	11,898.7	–	–	11,898.7
North Carolina								
April 1998	2,289.8	–	–	2,289.8	11,341.8	–	–	11,341.8
March 1998	2,191.9	–	–	2,191.9	10,784.5	–	–	10,784.5
April 1997	1,983.5	–	–	1,983.5	10,667.6	–	–	10,667.6
South Carolina								
April 1998	1,108.3	–	–	1,108.3	5,881.7	–	–	5,881.7
March 1998	1,056.3	–	–	1,056.3	5,591.2	–	–	5,591.2
April 1997	962.1	–	–	962.1	5,661.4	–	–	5,661.4
Virginia								
April 1998	913.1	–	1,417.0	2,330.1	4,845.0	–	5,763.5	10,608.5
March 1998	824.8	–	1,361.3	2,186.0	4,288.6	–	5,570.4	9,859.0
April 1997	784.1	–	1,265.5	2,049.6	4,462.7	–	5,482.7	9,945.4
West Virginia								
April 1998	204.1	–	–	204.1	1,476.2	–	–	1,476.2
March 1998	203.4	–	–	203.4	1,446.4	–	–	1,446.4
April 1997	180.6	–	–	180.6	1,342.1	–	–	1,342.1
PAD District II								
April 1998	10,962.6	382.4	2,099.0	13,444.1	85,639.8	4,872.7	12,096.1	102,608.5
March 1998	10,716.2	352.3	2,082.3	13,150.7	81,667.9	4,383.8	11,551.0	97,602.7
April 1997	10,692.9	272.7	1,919.4	12,884.9	86,256.7	2,705.9	11,142.5	100,105.1
Illinois								
April 1998	566.1	–	1,453.7	2,019.8	5,681.6	–	7,467.5	13,149.1
March 1998	566.9	–	1,458.9	2,025.8	5,410.9	–	7,192.2	12,603.1
April 1997	633.5	–	1,346.0	1,979.5	5,835.6	–	6,996.7	12,832.3
Indiana								
April 1998	997.1	–	212.3	1,209.4	7,237.0	–	1,228.5	8,465.5
March 1998	1,034.7	–	185.7	1,220.4	7,044.6	–	1,022.9	8,067.6
April 1997	1,007.9	–	176.3	1,184.1	7,269.4	–	1,021.6	8,290.9
Iowa								
April 1998	271.9	–	–	271.9	4,036.6	–	–	4,036.6
March 1998	253.1	–	–	253.1	3,651.1	–	–	3,651.1
April 1997	255.8	–	–	255.8	3,941.6	–	–	3,941.6
Kansas								
April 1998	379.5	–	–	379.5	4,210.9	–	–	4,210.9
March 1998	377.8	–	–	377.8	4,017.1	–	–	4,017.1
April 1997	365.4	–	–	365.4	4,043.0	–	–	4,043.0
Kentucky								
April 1998	W	–	W	1,006.1	4,450.8	–	1,319.9	5,770.8
March 1998	775.9	–	210.6	986.5	4,314.1	–	1,295.5	5,609.5
April 1997	721.0	–	185.5	906.5	4,358.2	–	1,302.4	5,660.7
Michigan								
April 1998	1,643.3	–	–	1,643.3	12,898.8	–	–	12,898.8
March 1998	1,618.3	–	–	1,618.3	12,421.5	–	–	12,421.5
April 1997	1,650.1	–	–	1,650.1	12,671.4	–	–	12,671.4
Minnesota								
April 1998	W	W	–	581.4	1,501.3	4,872.7	–	6,373.9
March 1998	149.1	352.3	–	501.4	1,243.0	4,383.8	–	5,626.8
April 1997	198.2	272.7	–	470.9	3,457.2	2,705.9	–	6,163.1
Missouri								
April 1998	884.5	–	–	884.5	7,588.9	–	–	7,588.9
March 1998	846.4	–	–	846.4	7,230.6	–	–	7,230.6
April 1997	843.3	–	–	843.3	7,374.3	–	–	7,374.3

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	Regular				Midgrade			
	Conventional[a]	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
Nebraska								
April 1998	2,016.1	–	–	2,016.1	108.8	–	–	108.8
March 1998	1,793.3	–	–	1,793.3	103.3	–	–	103.3
April 1997	1,994.2	–	–	1,994.2	36.7	–	–	36.7
North Dakota								
April 1998	897.7	–	–	897.7	NA	–	–	NA
March 1998	778.7	–	–	778.7	36.9	–	–	36.9
April 1997	870.9	–	–	870.9	W	–	–	W
Ohio								
April 1998	10,803.6	–	–	10,803.6	1,721.8	–	–	1,721.8
March 1998	10,463.6	–	–	10,463.6	1,720.8	–	–	1,720.8
April 1997	10,421.6	–	–	10,421.6	1,728.9	–	–	1,728.9
Oklahoma								
April 1998	4,438.3	–	–	4,438.3	228.1	–	–	228.1
March 1998	4,329.8	–	–	4,329.8	218.9	–	–	218.9
April 1997	4,392.7	–	–	4,392.7	248.0	–	–	248.0
South Dakota								
April 1998	1,001.6	–	–	1,001.6	66.8	–	–	66.8
March 1998	880.4	–	–	880.4	60.5	–	–	60.5
April 1997	1,090.1	–	–	1,090.1	16.4	–	–	16.4
Tennessee								
April 1998	5,994.9	–	–	5,994.9	1,193.5	–	–	1,193.5
March 1998	5,680.6	–	–	5,680.6	1,187.5	–	–	1,187.5
April 1997	6,063.5	–	–	6,063.5	1,369.3	–	–	1,369.3
Wisconsin								
April 1998	4,093.7	–	1,663.3	5,756.9	W	–	W	401.5
March 1998	3,772.7	–	1,618.1	5,390.8	213.8	–	195.3	409.2
April 1997	3,815.4	–	1,441.9	5,257.3	214.0	–	168.3	382.3
PAD District III								
April 1998	29,413.2	W	W	37,813.8	W	W	W	5,898.5
March 1998	27,941.7	694.7	8,235.4	36,871.8	4,101.8	66.7	1,673.7	5,842.2
April 1997	29,032.7	121.4	7,970.8	37,124.9	4,313.5	W	1,857.0	6,193.1
Alabama								
April 1998	4,201.0	–	–	4,201.0	796.9	–	–	796.9
March 1998	4,085.8	–	–	4,085.8	786.6	–	–	786.6
April 1997	4,194.9	–	–	4,194.9	798.6	–	–	798.6
Arkansas								
April 1998	3,112.7	–	–	3,112.7	377.0	–	–	377.0
March 1998	2,980.2	–	–	2,980.2	370.3	–	–	370.3
April 1997	3,168.1	–	–	3,168.1	364.5	–	–	364.5
Louisiana								
April 1998	W	–	W	3,880.3	819.6	–	–	819.6
March 1998	W	–	W	3,836.0	816.4	–	–	816.4
April 1997	3,891.4	–	W	3,892.8	847.8	–	–	847.8
Mississippi								
April 1998	2,866.1	–	–	2,866.1	394.7	–	–	394.7
March 1998	2,728.9	–	–	2,728.9	399.7	–	–	399.7
April 1997	2,856.1	–	–	2,856.1	419.4	–	–	419.4
New Mexico								
April 1998	W	W	–	1,982.0	W	W	–	209.8
March 1998	W	W	–	1,870.7	W	W	–	208.4
April 1997	1,895.8	W	–	1,998.2	220.2	W	–	237.9
Texas								
April 1998	13,445.7	W	W	21,771.7	W	–	W	3,300.5
March 1998	12,568.1	W	W	21,370.3	W	W	1,673.7	3,260.8
April 1997	13,026.3	19.0	7,969.4	21,014.8	1,663.1	W	1,857.0	3,524.8
PAD District IV								
April 1998	8,220.7	382.5	–	8,603.2	W	W	–	1,459.1
March 1998	7,969.9	365.4	–	8,335.3	1,389.8	75.8	–	1,465.6
April 1997	7,893.9	410.2	–	8,304.2	1,394.9	W	–	1,448.0
Colorado								
April 1998	W	W	–	3,580.9	W	W	–	749.9
March 1998	3,211.5	347.7	–	3,559.2	W	W	–	752.7
April 1997	3,234.7	410.2	–	3,644.9	679.0	W	–	732.1

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
Nebraska								
April 1998	144.7	–	–	144.7	2,269.6	–	–	2,269.6
March 1998	136.9	–	–	136.9	2,033.5	–	–	2,033.5
April 1997	128.1	–	–	128.1	2,159.0	–	–	2,159.0
North Dakota								
April 1998	54.6	–	–	54.6	988.3	–	–	988.3
March 1998	51.4	–	–	51.4	867.0	–	–	867.0
April 1997	49.5	–	–	49.5	947.0	–	–	947.0
Ohio								
April 1998	1,833.8	–	–	1,833.8	14,359.3	–	–	14,359.3
March 1998	1,815.4	–	–	1,815.4	13,999.9	–	–	13,999.9
April 1997	1,801.7	–	–	1,801.7	13,952.3	–	–	13,952.3
Oklahoma								
April 1998	812.3	–	–	812.3	5,478.7	–	–	5,478.7
March 1998	747.9	–	–	747.9	5,296.6	–	–	5,296.6
April 1997	723.2	–	–	723.2	5,363.9	–	–	5,363.9
South Dakota								
April 1998	62.2	–	–	62.2	1,130.6	–	–	1,130.6
March 1998	61.9	–	–	61.9	1,002.9	–	–	1,002.9
April 1997	68.5	–	–	68.5	1,175.0	–	–	1,175.0
Tennessee								
April 1998	1,859.5	–	–	1,859.5	9,047.9	–	–	9,047.9
March 1998	1,857.9	–	–	1,857.9	8,726.0	–	–	8,726.0
April 1997	1,836.4	–	–	1,836.4	9,269.2	–	–	9,269.2
Wisconsin								
April 1998	W	–	W	681.3	4,759.7	–	2,080.1	6,839.8
March 1998	422.6	–	227.0	649.6	4,409.2	–	2,040.4	6,449.6
April 1997	410.2	–	211.6	621.9	4,439.7	–	1,821.8	6,261.5
PAD District III								
April 1998	W	W	2,311.3	8,927.1	40,223.0	W	W	52,639.4
March 1998	6,488.9	99.4	2,242.2	8,830.5	38,532.4	860.8	12,151.3	51,544.5
April 1997	6,175.0	W	2,196.3	8,393.2	39,521.2	166.0	12,024.1	51,711.2
Alabama								
April 1998	1,289.2	–	–	1,289.2	6,287.1	–	–	6,287.1
March 1998	1,264.6	–	–	1,264.6	6,137.1	–	–	6,137.1
April 1997	1,235.2	–	–	1,235.2	6,228.7	–	–	6,228.7
Arkansas								
April 1998	676.6	–	–	676.6	4,166.4	–	–	4,166.4
March 1998	655.7	–	–	655.7	4,006.2	–	–	4,006.2
April 1997	639.9	–	–	639.9	4,172.5	–	–	4,172.5
Louisiana								
April 1998	1,226.9	–	–	1,226.9	W	–	W	5,926.8
March 1998	1,251.9	–	–	1,251.9	W	–	W	5,904.3
April 1997	1,171.6	–	–	1,171.6	5,910.9	–	W	5,912.3
Mississippi								
April 1998	758.1	–	–	758.1	4,018.9	–	–	4,018.9
March 1998	753.1	–	–	753.1	3,881.6	–	–	3,881.6
April 1997	694.5	–	–	694.5	3,970.0	–	–	3,970.0
New Mexico								
April 1998	W	W	–	289.5	W	W	–	2,481.2
March 1998	W	W	–	282.1	W	W	–	2,361.2
April 1997	269.5	W	–	287.1	2,385.5	W	–	2,523.2
Texas								
April 1998	W	W	2,311.3	4,686.8	17,446.3	W	W	29,759.0
March 1998	W	W	2,242.2	4,623.1	16,413.7	W	W	29,254.2
April 1997	2,164.2	W	2,196.3	4,365.0	16,853.6	28.3	12,022.7	28,904.6
PAD District IV								
April 1998	W	W	–	1,768.4	11,309.5	521.1	–	11,830.6
March 1998	1,729.5	66.5	–	1,796.0	11,089.2	507.7	–	11,596.9
April 1997	1,570.4	54.7	–	1,625.1	10,859.3	518.0	–	11,377.3
Colorado								
April 1998	W	W	–	689.4	W	W	–	5,020.2
March 1998	W	W	–	726.9	4,553.1	485.7	–	5,038.9
April 1997	629.0	54.7	–	683.7	4,542.8	518.0	–	5,060.8

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[a]	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
Idaho								
April 1998	1,228.4	–	–	1,228.4	124.7	–	–	124.7
March 1998	1,187.1	–	–	1,187.1	126.2	–	–	126.2
April 1997	1,116.0	–	–	1,116.0	128.8	–	–	128.8
Montana								
April 1998	1,055.0	–	–	1,055.0	34.5	–	–	34.5
March 1998	970.0	–	–	970.0	50.6	–	–	50.6
April 1997	996.7	–	–	996.7	64.3	–	–	64.3
Utah								
April 1998	W	W	–	2,097.9	536.3	–	–	536.3
March 1998	1,991.4	17.6	–	2,009.0	W	W	–	522.8
April 1997	1,962.1	–	–	1,962.1	512.4	–	–	512.4
Wyoming								
April 1998	641.0	–	–	641.0	NA	–	–	NA
March 1998	610.0	–	–	610.0	13.3	–	–	13.3
April 1997	584.5	–	–	584.5	10.4	–	–	10.4
PAD District V								
April 1998	11,914.9	W	W	44,073.3	1,450.8	W	W	7,496.9
March 1998	10,411.5	3,735.3	29,165.5	43,312.3	1,193.1	550.2	5,810.5	7,553.7
April 1997	15,215.7	755.6	27,058.4	43,029.7	1,878.6	103.5	5,723.2	7,705.3
Alaska								
April 1998	W	W	–	610.0	W	W	–	NA
March 1998	W	W	–	488.1	W	W	–	24.0
April 1997	402.5	W	–	483.8	19.8	W	–	31.7
Arizona								
April 1998	W	W	2,648.6	4,177.4	W	W	385.4	543.7
March 1998	1,121.9	1,056.1	2,223.2	4,401.2	W	137.7	W	552.8
April 1997	3,931.4	2.9	W	3,935.2	447.6	0.6	W	448.4
California								
April 1998	W	–	W	27,604.4	W	–	W	5,429.6
March 1998	W	–	W	27,046.8	W	–	W	5,478.8
April 1997	W	–	27,056.9	27,284.3	W	–	5,723.1	5,732.9
Hawaii								
April 1998	597.0	–	–	597.0	122.3	–	–	122.3
March 1998	594.4	–	–	594.4	125.8	–	–	125.8
April 1997	592.9	–	–	592.9	127.6	–	–	127.6
Nevada								
April 1998	1,702.9	W	W	1,758.9	263.6	W	W	269.3
March 1998	W	757.8	W	1,734.5	W	W	–	238.3
April 1997	1,771.0	W	W	1,782.0	239.8	W	–	240.2
Oregon								
April 1998	3,073.1	W	W	3,599.0	W	W	–	269.6
March 1998	2,917.2	W	W	3,462.5	W	W	–	288.6
April 1997	3,160.8	W	W	3,322.8	236.1	W	–	255.2
Washington								
April 1998	W	W	–	5,726.7	W	W	–	834.0
March 1998	W	W	–	5,584.9	647.3	198.2	–	845.5
April 1997	5,129.6	W	–	5,628.7	797.8	W	–	869.3

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
Idaho								
April 1998	170.3	–	–	170.3	1,523.4	–	–	1,523.4
March 1998	179.5	–	–	179.5	1,492.8	–	–	1,492.8
April 1997	152.9	–	–	152.9	1,397.7	–	–	1,397.7
Montana								
April 1998	221.9	–	–	221.9	1,311.4	–	–	1,311.4
March 1998	219.2	–	–	219.2	1,239.8	–	–	1,239.8
April 1997	184.3	–	–	184.3	1,245.3	–	–	1,245.3
Utah								
April 1998	550.8	–	–	550.8	W	W	–	3,185.1
March 1998	W	W	–	534.3	3,044.2	22.0	–	3,066.2
April 1997	494.9	–	–	494.9	2,969.4	–	–	2,969.4
Wyoming								
April 1998	135.9	–	–	135.9	790.5	–	–	790.5
March 1998	136.0	–	–	136.0	759.3	–	–	759.3
April 1997	109.2	–	–	109.2	704.1	–	–	704.1
PAD District V								
April 1998	2,145.0	206.4	7,114.7	9,466.1	15,510.7	W	W	61,036.4
March 1998	1,898.7	577.7	7,164.5	9,640.9	13,503.3	4,863.2	42,140.5	60,507.0
April 1997	2,437.5	136.8	6,188.1	8,762.4	19,531.8	996.0	38,969.7	59,497.5
Alaska								
April 1998	W	W	–	109.7	W	W	–	748.1
March 1998	82.2	13.3	–	95.5	573.7	33.9	–	607.6
April 1997	50.5	20.7	–	71.2	472.7	114.0	–	586.7
Arizona								
April 1998	W	W	507.7	733.6	W	W	3,541.7	5,454.7
March 1998	W	155.3	W	773.5	1,325.4	1,349.1	3,053.0	5,727.5
April 1997	624.5	W	W	640.1	5,003.5	19.0	W	5,023.7
California								
April 1998	W	–	W	6,608.6	W	–	W	39,642.6
March 1998	W	–	W	6,731.8	W	–	W	39,257.5
April 1997	W	–	6,187.9	6,236.0	W	–	38,967.9	39,253.3
Hawaii								
April 1998	257.7	–	–	257.7	976.9	–	–	976.9
March 1998	262.1	–	–	262.1	982.2	–	–	982.2
April 1997	271.2	–	–	271.2	991.6	–	–	991.6
Nevada								
April 1998	360.0	W	W	366.9	2,326.5	W	W	2,395.1
March 1998	136.0	W	W	345.3	1,185.3	W	W	2,318.1
April 1997	294.6	W	W	303.6	2,305.5	W	W	2,325.8
Oregon								
April 1998	W	W	W	417.0	3,676.5	W	W	4,285.6
March 1998	W	44.3	W	441.3	W	639.6	W	4,192.4
April 1997	352.9	W	–	370.0	3,749.8	W	W	3,948.0
Washington								
April 1998	W	W	–	972.6	W	W	–	7,533.3
March 1998	W	W	–	991.4	W	W	–	7,421.7
April 1997	795.7	W	–	870.3	6,723.2	W	–	7,368.3

Dash (–) = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] 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
United States							
April 1998	823.5	518.0	60,601.7	31,445.9	9,445.0	23,675.7	33,120.7
March 1998	713.1	413.9	59,576.1	41,933.4	9,541.4	22,005.0	31,546.4
April 1997	766.9	730.9	60,136.5	31,682.7	6,953.9	18,099.2	25,053.0
PAD District I							
April 1998	207.8	W	15,772.8	4,888.0	6,772.5	10,863.2	17,635.7
March 1998	211.6	W	15,184.8	7,898.3	7,423.6	9,929.9	17,353.5
April 1997	203.1	W	15,736.5	5,829.9	4,829.1	7,284.7	12,113.8
Subdistrict IA							
April 1998	18.3	–	1,207.8	428.9	670.8	2,458.9	3,129.8
March 1998	13.4	–	1,212.1	641.8	1,564.5	1,936.8	3,501.4
April 1997	15.4	–	1,246.5	529.0	1,360.4	1,616.6	2,977.0
Connecticut							
April 1998	2.4	–	219.6	73.7	W	W	197.5
March 1998	2.2	–	234.1	94.5	101.3	732.5	833.8
April 1997	1.8	–	253.9	85.9	485.1	W	830.1
Maine							
April 1998	W	–	98.1	54.1	W	W	1,560.2
March 1998	W	–	106.4	82.6	599.2	407.2	1,006.4
April 1997	W	–	88.5	65.3	439.6	820.7	1,260.2
Massachusetts							
April 1998	NA	–	743.6	86.1	168.7	868.1	1,036.8
March 1998	NA	–	721.8	111.5	725.1	435.5	1,160.6
April 1997	5.0	–	W	103.7	358.7	299.5	658.2
New Hampshire							
April 1998	2.3	–	46.9	116.9	W	W	168.3
March 1998	1.5	–	45.9	200.5	W	W	311.7
April 1997	1.9	–	34.4	145.7	24.5	116.4	140.9
Rhode Island							
April 1998	W	–	90.5	27.3	W	W	130.9
March 1998	W	–	92.5	38.4	W	W	155.2
April 1997	W	–	81.2	30.4	49.2	–	49.2
Vermont							
April 1998	NA	–	9.1	71.0	W	W	36.1
March 1998	NA	–	11.4	114.2	W	W	33.7
April 1997	W	–	8.1	98.0	W	35.0	38.3
Subdistrict IB							
April 1998	44.9	W	7,660.9	1,984.1	3,621.4	3,612.3	7,233.8
March 1998	74.1	W	7,120.8	2,571.6	4,855.0	4,123.6	8,978.6
April 1997	39.3	W	7,400.8	2,267.7	2,927.2	2,477.3	5,404.5
Delaware							
April 1998	0.7	–	W	168.8	W	76.5	W
March 1998	1.4	–	W	240.9	W	W	297.7
April 1997	W	–	7.5	232.6	W	80.8	116.7
District of Columbia							
April 1998	–	–	W	–	W	–	W
March 1998	–	–	W	–	W	–	W
April 1997	–	–	–	–	W	–	W
Maryland							
April 1998	5.8	–	443.1	108.2	W	W	637.4
March 1998	5.0	–	381.9	172.4	W	50.2	W
April 1997	4.9	–	398.3	110.3	73.8	204.1	278.0
New Jersey							
April 1998	18.7	–	4,146.3	441.6	842.1	783.4	1,625.4
March 1998	50.3	–	3,840.1	482.3	837.4	1,109.3	1,946.6
April 1997	12.9	–	4,308.8	409.6	834.8	886.7	1,721.6
New York							
April 1998	NA	–	1,308.9	489.2	2,123.3	1,830.7	3,954.0
March 1998	NA	–	1,283.5	764.7	3,162.5	1,676.1	4,838.6
April 1997	7.1	W	1,308.5	642.7	1,616.7	941.5	2,558.2
Pennsylvania							
April 1998	12.0	W	1,681.0	776.4	W	W	905.0
March 1998	10.5	W	1,570.4	911.4	W	W	1,410.2
April 1997	13.8	W	1,377.8	872.5	W	364.1	722.7

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
Subdistrict IC							
April 1998	144.6	W	6,904.1	2,474.9	2,480.3	4,791.9	7,272.2
March 1998	124.1	W	6,851.9	4,684.9	1,004.0	3,869.5	4,873.5
April 1997	148.4	W	7,089.2	3,033.2	541.6	3,190.8	3,732.4
Florida							
April 1998	76.0	–	3,442.4	754.9	2,284.0	2,751.4	5,035.4
March 1998	67.8	–	3,550.6	990.1	805.4	1,932.0	2,737.4
April 1997	84.1	–	3,462.8	730.1	474.7	1,795.9	2,270.5
Georgia							
April 1998	25.4	W	1,529.3	491.3	–	W	W
March 1998	20.6	W	1,399.0	953.0	–	283.1	283.1
April 1997	22.8	W	1,801.4	755.1	–	316.4	316.4
North Carolina							
April 1998	23.6	–	644.7	604.6	W	W	707.8
March 1998	19.1	–	632.0	1,345.8	W	W	781.3
April 1997	19.7	–	773.4	758.3	W	494.7	517.7
South Carolina							
April 1998	NA	–	167.9	269.9	W	W	W
March 1998	8.0	–	149.2	728.9	W	W	W
April 1997	10.1	–	153.0	264.6	W	W	W
Virginia							
April 1998	8.9	–	1,102.4	293.6	148.5	567.5	716.0
March 1998	6.0	–	1,103.8	537.4	W	W	664.5
April 1997	7.7	–	881.5	454.4	W	405.2	429.8
West Virginia							
April 1998	2.3	–	17.3	60.6	W	–	W
March 1998	2.6	–	17.4	129.7	W	W	W
April 1997	4.0	–	17.1	70.7	W	W	W
PAD District II							
April 1998	NA	W	9,681.3	8,276.8	W	W	679.6
March 1998	180.5	W	9,835.0	13,548.7	W	W	579.4
April 1997	208.9	W	10,725.0	9,665.4	NA	573.8	844.8
Illinois							
April 1998	W	–	1,214.6	1,040.3	W	W	75.0
March 1998	W	–	1,135.3	1,545.2	W	W	137.8
April 1997	W	–	1,749.7	992.0	NA	W	NA
Indiana							
April 1998	NA	–	1,022.6	502.3	W	W	143.8
March 1998	NA	–	1,158.6	870.9	W	W	W
April 1997	11.7	–	1,384.1	728.2	W	W	70.1
Iowa							
April 1998	NA	–	NA	557.2	–	NA	NA
March 1998	11.9	–	118.0	1,157.7	–	–	–
April 1997	W	–	70.7	487.7	–	–	–
Kansas							
April 1998	NA	–	194.9	1,394.5	–	W	W
March 1998	NA	–	169.2	1,426.2	–	W	W
April 1997	W	–	530.1	1,585.1	–	–	–
Kentucky							
April 1998	3.1	–	414.8	447.9	W	W	W
March 1998	2.5	–	452.1	690.9	W	W	W
April 1997	4.2	–	470.4	403.3	W	W	W
Michigan							
April 1998	NA	–	928.4	1,085.5	–	W	W
March 1998	28.3	–	1,128.0	1,496.2	–	W	W
April 1997	43.8	–	901.6	1,205.2	–	67.9	67.9
Minnesota							
April 1998	30.5	–	1,140.0	589.1	W	W	166.9
March 1998	W	–	1,142.2	1,061.2	W	W	142.4
April 1997	W	–	1,136.5	838.4	W	253.4	253.9
Missouri							
April 1998	NA	–	1,300.2	612.7	–	–	–
March 1998	NA	–	1,286.4	1,324.7	W	–	W
April 1997	W	–	1,294.5	807.2	W	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
Nebraska							
April 1998	W	–	107.7	175.1	–	W	W
March 1998	W	–	110.6	449.5	–	W	W
April 1997	W	–	104.1	238.2	–	–	–
North Dakota							
April 1998	NA	–	NA	93.2	–	–	–
March 1998	3.4	–	20.8	245.4	–	–	–
April 1997	4.5	–	21.4	179.4	–	–	–
Ohio							
April 1998	47.1	W	1,470.0	684.6	W	W	41.2
March 1998	33.6	W	1,332.1	1,131.7	W	W	46.7
April 1997	45.9	W	1,254.8	714.0	W	22.3	24.0
Oklahoma							
April 1998	13.8	–	522.9	273.3	–	–	–
March 1998	10.1	–	495.7	627.8	–	–	–
April 1997	W	W	558.0	454.0	–	W	W
South Dakota							
April 1998	W	–	94.4	95.4	–	W	W
March 1998	NA	–	60.9	235.7	–	W	W
April 1997	W	–	28.4	133.8	–	W	W
Tennessee							
April 1998	19.8	W	936.5	153.0	W	W	8.0
March 1998	15.2	–	1,013.1	353.9	W	W	17.1
April 1997	23.8	–	1,008.4	194.5	17.1	W	18.3
Wisconsin							
April 1998	W	–	192.9	572.8	–	W	W
March 1998	W	–	212.0	931.7	W	W	W
April 1997	W	–	212.3	704.4	–	158.9	158.9
PAD District III							
April 1998	141.8	W	15,390.9	14,477.9	836.0	7,709.3	8,545.3
March 1998	119.6	W	15,202.9	16,208.7	461.8	6,660.3	7,122.1
April 1997	119.5	121.9	13,894.7	12,212.1	308.7	5,746.4	6,055.1
Alabama							
April 1998	11.5	W	278.4	218.9	–	212.6	212.6
March 1998	8.0	W	184.0	440.9	W	W	96.8
April 1997	10.4	W	297.6	249.4	W	239.4	241.2
Arkansas							
April 1998	NA	–	134.5	199.2	–	–	–
March 1998	NA	–	137.4	451.1	–	–	–
April 1997	13.0	–	119.7	227.4	–	–	–
Louisiana							
April 1998	11.6	–	2,959.2	2,269.4	–	5,609.8	5,609.8
March 1998	10.3	–	3,358.2	2,301.9	255.5	3,876.0	4,131.6
April 1997	11.6	–	3,007.3	1,782.8	W	4,036.4	4,036.4
Mississippi							
April 1998	NA	W	586.5	519.8	W	W	W
March 1998	7.2	W	775.7	740.6	W	W	W
April 1997	7.9	W	655.4	544.5	–	W	W
New Mexico							
April 1998	NA	–	NA	261.4	W	–	W
March 1998	NA	–	NA	366.7	W	–	W
April 1997	11.2	W	164.3	364.6	W	–	W
Texas							
April 1998	86.4	–	11,255.4	11,009.2	W	W	2,112.4
March 1998	72.0	–	10,578.7	11,907.4	184.4	2,669.5	2,853.8
April 1997	65.4	–	9,650.4	9,043.4	271.0	1,456.8	1,727.8
PAD District IV							
April 1998	36.0	NA	1,292.5	994.3	W	W	24.7
March 1998	27.3	NA	1,461.5	1,246.2	W	W	20.7
April 1997	24.4	W	1,817.5	1,192.2	W	9.9	11.3
Colorado							
April 1998	NA	–	636.2	359.6	–	–	–
March 1998	NA	–	659.4	485.5	–	–	–
April 1997	12.5	–	1,011.6	387.9	–	–	–

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
Idaho							
April 1998	W	–	54.3	69.9	–	NA	NA
March 1998	2.0	–	73.3	75.7	–	NA	NA
April 1997	3.1	–	69.0	73.4	–	W	W
Montana							
April 1998	W	–	69.6	172.5	–	W	W
March 1998	5.7	–	68.3	214.8	–	W	W
April 1997	W	–	71.9	236.2	–	W	W
Utah							
April 1998	6.8	NA	522.3	142.0	W	W	NA
March 1998	4.7	NA	649.9	161.7	W	W	NA
April 1997	4.9	W	654.0	136.9	W	W	9.0
Wyoming							
April 1998	1.8	–	10.1	250.3	W	W	W
March 1998	2.5	–	10.6	308.4	W	W	W
April 1997	W	–	11.0	357.8	–	W	W
PAD District V							
April 1998	188.1	14.0	18,464.2	2,808.9	1,700.6	4,534.7	6,235.3
March 1998	174.1	15.6	17,891.8	3,031.5	1,462.3	5,008.4	6,470.7
April 1997	211.0	24.5	17,962.7	2,783.1	1,543.6	4,484.3	6,028.0
Alaska							
April 1998	37.1	W	2,186.4	W	–	–	–
March 1998	32.5	W	1,925.5	W	–	–	–
April 1997	41.5	W	1,947.5	29.9	–	–	–
Arizona							
April 1998	14.7	–	871.0	305.3	W	–	W
March 1998	15.2	–	784.6	291.3	W	–	W
April 1997	19.6	–	844.4	363.1	W	W	W
California							
April 1998	77.0	W	10,989.9	1,608.0	438.3	1,895.2	2,333.5
March 1998	79.8	W	10,699.9	1,738.5	394.4	2,866.5	3,260.9
April 1997	95.7	W	10,298.5	1,421.4	413.5	NA	NA
Hawaii							
April 1998	W	–	974.6	W	W	W	W
March 1998	W	–	1,049.2	W	W	W	W
April 1997	W	–	1,118.0	W	W	215.8	W
Nevada							
April 1998	W	–	575.3	187.1	W	–	W
March 1998	W	–	806.4	205.6	W	–	W
April 1997	11.9	–	870.8	140.4	W	–	W
Oregon							
April 1998	11.7	–	538.3	147.9	–	454.5	454.5
March 1998	11.1	–	574.6	154.4	W	W	399.4
April 1997	20.9	–	517.0	122.9	W	317.8	356.9
Washington							
April 1998	35.6	–	2,328.8	499.1	W	W	1,998.6
March 1998	23.2	–	2,051.6	544.0	W	W	1,551.4
April 1997	17.9	–	2,366.5	561.5	W	2,322.8	2,330.1

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[a]	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate		
				Low-Sulfur	High-Sulfur	Total			
United States									
April 1998	1,728.5	603.3	27,608.8	89,169.3	20,259.0	109,428.2	137,037.0	639.0	140,007.9
March 1998	3,392.7	1,543.1	37,681.5	87,368.9	22,047.1	109,416.0	147,097.6	1,061.8	153,095.2
April 1997	1,584.3	602.4	33,361.6	89,025.6	22,357.0	111,382.6	144,744.1	807.5	147,738.3
PAD District I									
April 1998	707.0	W	18,393.7	25,039.7	4,522.7	29,562.5	47,956.1	W	49,284.0
March 1998	1,974.9	NA	27,959.9	24,996.1	5,467.0	30,463.1	58,423.0	938.2	61,488.2
April 1997	1,159.4	71.5	21,835.8	25,401.1	4,432.1	29,833.2	51,669.0	723.5	53,623.4
Subdistrict IA									
April 1998	155.4	1.4	5,325.4	2,377.8	756.6	3,134.4	8,459.8	165.7	8,782.3
March 1998	365.4	11.0	9,275.8	2,298.5	931.5	3,230.0	12,505.8	228.6	13,110.9
April 1997	193.1	1.5	6,870.6	2,497.1	400.4	2,897.5	9,768.2	202.7	10,165.4
Connecticut									
April 1998	50.8	W	1,262.6	W	W	725.0	1,987.5	W	2,083.8
March 1998	76.9	5.1	2,207.5	W	W	767.3	2,974.8	62.0	3,118.8
April 1997	25.3	W	1,849.8	662.8	W	727.0	2,576.8	42.9	2,645.3
Maine									
April 1998	40.8	W	827.6	NA	35.0	441.4	1,269.0	W	1,324.2
March 1998	137.9	W	1,512.3	443.7	20.3	464.0	1,976.3	W	2,132.6
April 1997	68.1	W	984.0	420.8	27.9	448.7	1,432.7	NA	1,515.4
Massachusetts									
April 1998	W	W	1,830.0	796.1	489.9	1,286.0	3,116.0	78.8	3,209.9
March 1998	46.5	2.5	3,251.9	739.3	601.6	1,340.9	4,592.8	100.0	4,741.8
April 1997	41.7	W	2,388.7	866.5	157.3	1,023.8	3,412.4	107.7	3,562.0
New Hampshire									
April 1998	W	–	606.6	292.0	9.3	301.3	907.9	W	956.8
March 1998	79.6	W	921.9	267.2	25.5	292.7	1,214.7	W	1,317.7
April 1997	46.2	W	797.4	243.0	W	243.2	1,040.6	16.6	1,103.6
Rhode Island									
April 1998	W	W	661.0	W	W	292.0	953.0	8.8	969.4
March 1998	W	W	1,130.5	W	W	282.0	1,412.4	14.2	1,439.8
April 1997	NA	W	683.8	230.5	W	372.8	1,056.5	12.6	1,074.4
Vermont									
April 1998	5.3	–	137.6	77.2	11.5	88.7	226.3	6.5	238.2
March 1998	W	W	251.7	77.1	6.0	83.1	334.8	11.9	360.1
April 1997	6.7	W	167.0	73.6	8.4	82.1	249.1	8.9	264.7
Subdistrict IB									
April 1998	389.1	W	9,432.2	8,449.3	773.1	9,222.4	18,654.6	W	19,478.6
March 1998	844.6	NA	14,713.1	8,526.9	1,051.1	9,578.0	24,291.0	682.1	25,956.7
April 1997	638.1	67.2	11,279.2	8,806.0	1,028.6	9,834.6	21,113.7	506.9	22,326.0
Delaware									
April 1998	W	–	111.4	237.7	W	W	W	W	366.4
March 1998	W	–	200.5	W	W	217.2	417.7	W	436.0
April 1997	9.2	–	158.9	213.0	W	216.7	375.6	W	385.2
District of Columbia									
April 1998	–	–	52.1	20.3	W	W	W	W	76.5
March 1998	W	–	109.7	W	W	25.6	135.4	W	140.6
April 1997	NA	W	138.7	28.4	W	30.2	168.9	W	204.0
Maryland									
April 1998	19.2	W	472.3	882.5	75.9	958.4	1,430.8	W	1,454.5
March 1998	85.1	W	844.1	910.8	188.8	1,099.7	1,943.8	W	2,038.5
April 1997	69.2	W	766.7	1,064.9	155.8	1,220.6	1,987.4	W	2,063.1
New Jersey									
April 1998	143.9	W	2,812.0	2,381.7	250.9	2,632.6	5,444.6	W	5,663.2
March 1998	131.1	40.9	4,450.8	2,383.4	423.8	2,807.1	7,257.9	103.6	7,533.5
April 1997	131.8	W	3,758.2	2,199.9	374.8	2,574.7	6,332.9	54.4	6,555.4
New York									
April 1998	W	W	3,521.4	1,850.6	114.4	1,965.0	5,486.3	291.2	5,964.8
March 1998	332.1	NA	5,465.3	1,719.9	111.7	1,831.6	7,296.9	547.4	8,265.5
April 1997	249.5	1.9	3,754.1	1,708.5	93.9	1,802.4	5,556.5	437.2	6,245.1
Pennsylvania									
April 1998	87.9	W	2,463.0	3,076.5	320.1	3,396.6	5,859.7	W	5,953.2
March 1998	278.3	W	3,642.7	3,276.9	319.8	3,596.6	7,239.4	W	7,542.7
April 1997	172.0	1.4	2,702.5	3,591.4	398.6	3,990.0	6,692.5	W	6,873.1

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[a]	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate		
				Low-Sulfur	High-Sulfur	Total			
Subdistrict IC									
April 1998	162.4	0.8	3,636.1	14,212.7	2,993.0	17,205.6	20,841.7	18.2	21,023.2
March 1998	764.9	2.1	3,971.1	14,170.6	3,484.4	17,655.1	21,626.1	27.5	22,420.6
April 1997	328.2	2.8	3,686.0	14,098.0	3,003.1	17,101.1	20,787.1	14.0	21,132.0
Florida									
April 1998	W	–	698.0	3,839.0	1,199.6	5,038.6	5,736.6	W	5,758.3
March 1998	W	–	632.6	3,822.1	1,218.1	5,040.1	5,672.7	W	5,728.4
April 1997	16.0	–	660.6	3,797.9	987.3	4,785.2	5,445.8	W	5,466.8
Georgia									
April 1998	6.9	–	525.8	3,566.1	552.8	4,118.9	4,644.7	–	4,651.7
March 1998	W	W	507.3	3,566.9	589.3	4,156.2	4,663.5	–	4,718.3
April 1997	15.2	W	477.5	3,528.8	582.0	4,110.8	4,588.3	–	4,603.8
North Carolina									
April 1998	54.5	W	669.3	2,435.3	470.7	2,906.0	3,575.3	W	3,631.9
March 1998	264.0	W	856.6	2,482.8	719.4	3,202.2	4,058.8	W	4,326.9
April 1997	117.0	–	768.7	2,432.1	476.3	2,908.3	3,677.0	W	3,796.2
South Carolina									
April 1998	W	–	346.0	1,413.2	175.3	1,588.5	1,934.5	W	1,962.2
March 1998	151.7	W	354.0	1,445.6	212.1	1,657.7	2,011.7	W	2,164.4
April 1997	54.1	–	316.4	1,283.5	184.5	1,467.9	1,784.3	W	1,839.0
Virginia									
April 1998	50.8	W	1,044.5	2,474.0	368.3	2,842.3	3,886.8	W	3,945.3
March 1998	209.6	W	1,295.1	2,385.7	519.7	2,905.4	4,200.5	W	4,423.1
April 1997	110.2	W	1,145.0	2,581.3	542.5	3,123.9	4,268.9	W	4,387.5
West Virginia									
April 1998	W	W	352.5	485.0	226.2	711.2	1,063.8	–	1,073.9
March 1998	39.9	0.7	325.5	467.6	225.8	693.5	1,018.9	–	1,059.6
April 1997	15.7	W	317.9	474.5	230.5	704.9	1,022.8	–	1,038.8
PAD District II									
April 1998	273.8	259.4	7,053.4	29,908.1	5,060.2	34,968.3	42,021.7	6.9	42,561.8
March 1998	779.9	923.5	7,199.8	28,289.5	4,799.7	33,089.2	40,289.0	8.7	42,001.0
April 1997	309.6	285.5	8,660.3	29,857.9	5,798.3	35,656.3	44,316.5	8.4	44,920.0
Illinois									
April 1998	12.4	NA	1,244.3	2,561.9	429.8	2,991.7	4,236.0	–	4,297.8
March 1998	43.9	124.5	1,328.7	2,596.6	299.5	2,896.1	4,224.8	–	4,393.2
April 1997	14.8	79.6	1,158.5	2,835.5	788.6	3,624.1	4,782.6	–	4,876.9
Indiana									
April 1998	13.5	W	1,005.8	3,372.6	329.5	3,702.1	4,707.9	W	4,731.9
March 1998	87.1	W	973.0	3,312.3	296.1	3,608.4	4,581.4	W	4,709.8
April 1997	38.2	12.8	969.6	3,328.9	716.4	4,045.3	5,014.9	W	5,066.5
Iowa									
April 1998	NA	NA	211.8	1,778.2	97.3	1,875.4	2,087.2	–	2,105.0
March 1998	3.6	79.6	166.5	1,718.4	72.7	1,791.1	1,957.6	–	2,040.8
April 1997	W	11.3	467.1	2,099.3	118.2	2,217.5	2,684.7	–	2,696.2
Kansas									
April 1998	NA	13.5	NA	1,664.6	236.3	1,901.0	1,962.4	–	1,976.8
March 1998	4.1	64.1	W	1,502.4	W	W	1,804.8	–	1,873.0
April 1997	1.3	6.0	329.7	1,555.7	209.6	1,765.4	2,095.0	–	2,102.3
Kentucky									
April 1998	25.2	W	643.4	1,555.7	560.4	2,116.1	2,759.5	W	2,787.1
March 1998	98.9	W	562.3	1,544.1	616.5	2,160.6	2,722.9	W	2,832.3
April 1997	38.1	0.4	766.7	1,365.0	511.0	1,876.0	2,642.7	W	2,682.1
Michigan									
April 1998	NA	NA	664.1	2,324.5	365.0	2,689.5	3,353.6	–	3,418.2
March 1998	90.7	76.1	690.7	2,137.3	328.2	2,465.5	3,156.1	–	3,323.0
April 1997	51.5	35.5	750.5	2,217.8	295.4	2,513.2	3,263.7	–	3,350.7
Minnesota									
April 1998	W	53.6	544.4	1,598.3	257.6	1,855.9	2,400.2	W	2,560.4
March 1998	W	147.4	457.2	1,181.1	262.7	1,443.8	1,901.0	W	2,204.1
April 1997	NA	58.6	534.3	1,546.0	315.7	1,861.7	2,396.0	W	2,485.8
Missouri									
April 1998	NA	11.6	136.4	2,542.8	190.6	2,733.3	2,869.8	–	2,884.8
March 1998	12.3	33.7	134.7	2,384.0	182.5	2,566.5	2,701.2	–	2,747.3
April 1997	4.6	11.0	289.9	2,566.4	153.1	2,719.5	3,009.4	–	3,025.0

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[a]	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate		
				Low-Sulfur	High-Sulfur	Total			
Nebraska									
April 1998	NA	NA	69.1	1,173.9	666.5	1,840.4	1,909.5	–	1,918.2
March 1998	NA	71.4	50.7	890.0	649.3	1,539.3	1,590.1	–	1,662.0
April 1997	W	4.2	387.4	1,010.0	470.3	1,480.4	1,867.7	–	1,872.0
North Dakota									
April 1998	W	W	NA	665.9	NA	732.2	961.3	–	969.4
March 1998	W	W	244.9	535.3	66.4	601.6	846.5	–	906.0
April 1997	W	17.5	274.3	488.2	76.9	565.1	839.4	–	857.3
Ohio									
April 1998	43.2	W	983.1	3,566.6	720.2	4,286.8	5,269.9	W	5,323.5
March 1998	154.6	W	1,156.9	3,563.0	781.4	4,344.4	5,501.3	W	5,688.0
April 1997	85.4	7.6	1,059.9	3,517.6	931.3	4,448.9	5,508.8	W	5,603.0
Oklahoma									
April 1998	W	W	378.4	1,921.1	348.6	2,269.6	2,648.0	–	2,656.3
March 1998	9.6	4.9	323.7	2,130.3	285.1	2,415.4	2,739.1	–	2,753.6
April 1997	2.6	0.2	517.0	1,697.0	218.8	1,915.9	2,432.8	–	2,435.7
South Dakota									
April 1998	–	NA	NA	699.4	10.5	709.9	741.5	–	748.1
March 1998	–	60.4	W	534.5	W	W	576.0	–	636.4
April 1997	–	7.1	94.4	671.8	14.0	685.8	780.2	–	787.3
Tennessee									
April 1998	26.8	W	388.7	2,448.6	509.2	2,957.8	3,346.5	W	3,375.6
March 1998	113.7	W	338.2	2,371.8	488.6	2,860.4	3,198.6	W	3,314.7
April 1997	42.7	–	491.5	2,916.0	651.3	3,567.4	4,058.9	W	4,102.6
Wisconsin									
April 1998	2.1	38.3	461.8	2,034.0	272.5	2,306.5	2,768.3	–	2,808.8
March 1998	W	122.3	664.5	1,888.4	234.7	2,123.0	2,787.5	W	2,916.8
April 1997	2.8	33.8	569.6	2,042.6	327.5	2,370.1	2,939.7	W	2,976.7
PAD District III									
April 1998	699.2	W	1,707.9	15,322.0	6,665.4	21,987.4	23,695.2	W	24,396.3
March 1998	574.9	5.5	1,901.6	14,712.1	7,460.3	22,172.5	24,074.1	–	24,654.5
April 1997	64.4	0.9	2,224.3	14,376.8	7,068.8	21,445.5	23,669.9	–	23,735.2
Alabama									
April 1998	6.2	–	467.9	1,525.5	275.4	1,800.9	2,268.8	–	2,275.0
March 1998	W	W	424.3	1,545.1	373.8	1,918.9	2,343.2	–	2,366.1
April 1997	8.3	–	412.9	1,555.2	349.9	1,905.1	2,318.0	–	2,326.4
Arkansas									
April 1998	0.8	–	NA	1,760.0	610.7	2,370.7	2,451.6	–	2,452.4
March 1998	W	W	80.5	1,679.5	1,056.2	2,735.7	2,816.2	–	2,820.2
April 1997	W	W	205.1	1,724.7	681.1	2,405.8	2,610.9	–	2,635.8
Louisiana									
April 1998	359.8	–	385.9	1,398.6	2,398.6	3,797.2	4,183.1	–	4,542.9
March 1998	W	–	507.4	W	2,789.0	W	W	–	5,052.2
April 1997	NA	–	358.3	1,546.4	2,706.1	4,252.5	4,610.8	–	4,620.8
Mississippi									
April 1998	W	–	227.3	1,273.3	508.6	1,781.8	2,009.1	W	2,011.2
March 1998	8.2	–	244.2	1,248.3	525.0	1,773.3	2,017.5	–	2,025.7
April 1997	2.8	–	166.1	1,376.8	708.3	2,085.1	2,251.2	–	2,254.0
New Mexico									
April 1998	W	W	–	944.0	197.3	1,141.3	1,141.3	–	1,142.9
March 1998	W	4.4	–	W	174.1	W	W	–	1,071.4
April 1997	0.3	0.5	W	933.4	171.3	1,104.7	1,105.8	–	1,106.6
Texas									
April 1998	329.7	0.8	545.9	8,420.6	2,674.8	11,095.4	11,641.3	–	11,971.8
March 1998	W	W	645.3	7,931.4	2,542.1	10,473.5	11,118.8	–	11,318.8
April 1997	18.1	W	1,080.9	7,240.2	2,452.2	9,692.4	10,773.2	–	10,791.7
PAD District IV									
April 1998	NA	57.4	W	4,981.0	W	W	5,813.7	–	5,876.5
March 1998	8.3	194.5	W	4,343.8	W	W	5,247.7	–	5,450.5
April 1997	6.7	63.7	W	4,530.9	1,067.9	5,598.8	5,723.0	–	5,793.4
Colorado									
April 1998	NA	NA	W	W	169.1	W	1,442.3	–	1,465.6
March 1998	6.2	54.6	W	1,158.8	W	W	1,346.8	–	1,407.5
April 1997	5.1	18.7	50.7	1,189.1	303.7	1,492.9	1,543.6	–	1,567.4

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[a]	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate		
				Low-Sulfur	High-Sulfur	Total			
Idaho									
April 1998	W	W	NA	666.0	230.6	896.6	898.4	–	908.0
March 1998	0.5	25.7	W	W	W	W	758.8	–	785.0
April 1997	W	5.7	W	496.8	284.5	781.3	782.5	–	788.6
Montana									
April 1998	–	10.0	NA	W	W	855.8	855.9	–	865.9
March 1998	W	W	W	762.7	W	W	763.2	–	803.0
April 1997	W	19.0	W	907.1	2.4	909.5	910.3	–	929.3
Utah									
April 1998	W	W	NA	1,112.4	183.5	1,295.9	1,378.4	–	1,386.5
March 1998	W	W	W	915.6	W	W	1,170.2	–	1,195.6
April 1997	W	6.0	W	955.2	238.4	1,193.6	1,261.6	–	1,268.1
Wyoming									
April 1998	–	11.9	–	W	W	1,238.6	1,238.6	–	1,250.5
March 1998	–	50.7	–	W	W	1,208.7	1,208.7	–	1,259.4
April 1997	W	14.3	W	982.7	W	1,221.6	1,224.9	–	1,239.9
PAD District V									
April 1998	43.1	186.2	W	13,918.5	W	W	17,550.2	109.7	17,889.2
March 1998	54.8	267.5	W	15,027.4	W	W	19,063.8	114.9	19,501.1
April 1997	44.2	180.8	517.0	14,858.9	3,989.9	18,848.8	19,365.8	75.5	19,666.3
Alaska									
April 1998	W	168.8	W	31.0	W	W	788.5	W	1,044.9
March 1998	W	226.1	W	24.5	383.1	407.6	906.6	W	1,232.0
April 1997	–	163.3	487.6	16.8	184.6	201.3	688.9	W	887.1
Arizona									
April 1998	–	W	–	W	217.3	W	W	–	1,539.6
March 1998	W	W	–	1,520.4	246.5	1,766.9	1,766.9	–	1,777.3
April 1997	W	W	–	1,369.0	190.1	1,559.1	1,559.1	–	1,559.3
California									
April 1998	W	–	–	8,974.5	404.8	9,379.3	9,379.3	W	9,409.8
March 1998	29.9	W	–	9,348.3	293.9	9,642.2	9,642.2	W	9,679.0
April 1997	17.8	W	W	9,280.8	664.8	9,945.6	9,958.2	W	9,979.4
Hawaii									
April 1998	–	–	–	W	378.3	W	W	–	472.9
March 1998	–	–	–	86.6	W	W	W	–	W
April 1997	–	–	W	103.3	404.5	507.8	512.6	–	512.6
Nevada									
April 1998	W	W	–	617.1	NA	649.2	649.2	–	651.1
March 1998	W	NA	–	683.7	66.7	750.5	750.5	–	W
April 1997	–	W	–	658.7	65.1	723.8	723.8	–	724.4
Oregon									
April 1998	7.5	W	–	1,277.8	667.9	1,945.7	1,945.7	W	1,965.6
March 1998	9.2	4.6	–	1,464.5	W	W	W	W	2,222.1
April 1997	9.9	4.0	–	1,544.6	870.2	2,414.8	2,414.8	W	2,440.1
Washington									
April 1998	14.0	W	13.9	1,601.4	1,159.9	2,761.3	2,775.2	W	2,805.4
March 1998	W	24.0	17.4	1,899.3	1,344.7	3,243.9	3,261.3	W	3,302.1
April 1997	16.5	11.8	W	1,885.7	1,610.7	3,496.4	3,508.4	W	3,563.4

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.
[a] 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

Explanatory Notes

The EIA-782 Survey

Background

The EIA-782 surveys were implemented in 1983 to fulfill the data requirements necessary to meet Energy Information Administration (EIA) legislative mandates and user community data needs. The requirements include petroleum product price, market distribution, demand (or sales), and product supply data, which are needed for a complete evaluation of petroleum market performance. The EIA-782 series includes the Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report"; Form EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report"; and Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

The Form EIA-782A collects refiner and gas plant operator monthly price and volume data at a State level on 14 petroleum products for various retail and wholesale marketing categories. The Form EIA-782B collects reseller/retailer monthly price and volume data at a State level for gasoline, No. 2 distillate, propane, and residual fuel. The Form EIA-782C collects prime supplier monthly volume data on 15 petroleum products. The EIA-782 forms were modified in October 1993 to reflect the changes in refined petroleum products arising out of the requirements of the Clean Air Act Amendments of 1990 (CAAA). The CAAA require that oxygenated gasoline be sold during the winter months in carbon monoxide nonattainment areas beginning October 1, 1992. They require that reformulated gasoline be sold in ozone nonattainment areas beginning January 1, 1995. Beginning October 1, 1993, diesel fuel sold for on-highway use must be low-sulfur diesel fuel (i.e., diesel fuel containing less than or equal to 0.05 percent sulfur). As a result of these environmental regulations, gasoline data collected on the EIA-782 forms were divided into *conventional*, *oxygenated*, and *reformulate*d categories. Diesel fuel sales were separated into low- and high-sulfur categories. The wholesale gasoline categories on the EIA-782A and EIA-782B forms were also modified to include *dealer tank wagon*, *rack*, and *bulk* sales. The retail categories for propane on the EIA-782A and EIA-782B were expanded to include *residential*, *commercial/institutional*, *industrial*, *sales through company-operated retail outlets*, *petrochemical*, and *other end user* sales.

Discussion of Sample Design

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

The Form EIA-782B is sent to a scientifically selected sample of motor gasoline resellers, and distillate, propane, and residual fuel oil resellers and retailers. The Form EIA-863, "Petroleum Product Sales Identification Survey," served as the basis of the sampling frame of dealers. Information obtained from the Form EIA-863 is supplemented with information from the Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report." The sales volumes obtained from these surveys are used to assign measures of size for sampleing. Dealers comprising 5 percent or more of sales in a State were selected with certainty. The remaining units on the frame were each assigned a probability of selection. In this design, the probability was based on the size of the company, as determined by their sales volume, relative to the total for all companies for each geographic area and type-of-sale classification relevant for that company. In addition, a random number between 0 and 1 was assigned to each company. The companies were then ordered by the ratio of the random number minus the random number times the probability to the probability minus the random number times the probability (r-rp)/(p-rp). The first 2,200 companies in this ordering were then selected for the sample. The noncertainty companies were then post-stratified within each geographic/type-of-sale category by their volume. The sample weights, the inverse of the probabilities, were

multiplied by the sample expectation adjustment which was the ratio of the sum of the probabilities of selection for all frame units in the stratum to the actual sample size of the stratum.

The geographic areas were defined as (a) the 24 States in which No. 2 distillate was a significant heating source and 50 States and the District of Columbia for residual and motor gasoline, (b) the 25 States in which propane was a significant energy source, or as (c) the PAD Districts for districts where not all State estimates are provided. The type-of-sale classifications were retail and resale for motor gasoline and residual fuel oil, and residential and nonresidential retail and wholesale for distillate and propane. Four volume-of-sales strata (certainty, zero, low, and high) were defined with volume boundaries differing by State, sales type, and product.

The design of the EIA-782B sample was based on ten target variables: total retail motor gasoline, total wholesale motor gasoline, residential No. 2 fuel oil, other retail No. 2 fuel oil, total wholesale No. 2 fuel oil, residential propane, total other retail propane, wholesale propane, total retail residual fuel oil, and total wholesale residual fuel oil. A sample size of 2,200 was expected to yield a median level of accuracy for each target variable of volume coefficients of variation (CV) of 15 percent for No. 2 distillate and 10 percent for the other products, determined at the publishable State level (24 States for distillate, 25 for propane, 50 States and the District of Columbia for motor gasoline and residual). Studies on the relationship of volume CV to price CV have shown that this will produce price CVs of less than 1 percent. The reliability of current month estimates will vary from these goals due to the deterioration of the frame over time and the changing distributions of price and volume.

Prior to March 1997, the sample design was a linked stratified sample. Within each product, sales type, and geographic area, companies were stratified by the size of the company as determined by their sales volumes. The samples resulting from the separate stratification schemes were combined by means of joint linked selection to yield a sample size of approximately 3,500 companies. Prior to October of 1993, the sample design, the survey sample, and the survey form did not include propane.

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

Discussion of the Sampling Frame

The EIA-782A survey consists of a census of respondents who either directly or indirectly control a refinery or gas plant facility. The EIA-782A form collects sales data on 14 refined petroleum products. Currently, 134 companies respond to the EIA-782A survey.

The EIA-863 data base provided the sampling frame for the EIA-782B survey. The Form EIA-863, "Petroleum Product Sales Identification Survey," was mailed to approximately 22,000 companies in January 1995, in order to collect 1994 State-level sales volume data for No. 2 distillate, residual, and motor gasoline. The No. 2 distillate data were further identified by residential/nonresidential end-use and non-end-use sales, while the residual and motor gasoline data were identified by end-use and non-end-use sales. The mailing list for the EIA-863 survey was constructed by merging and unduplicating the previous master frame file and approximately 71 State and commercial lists.

Data from the 1994 EIA-821, "Annual Fuel Oil and Kerosene Sales Report" survey were merged with data from the EIA-863 survey to yield a combined file. A transformed and edited version of this file was created to form the sample file used to design and select the EIA-782B sample.

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

The EIA-782C survey consists of a census of suppliers who produce, import, or transport any of the 15 refined petroleum products listed on the form across State boundaries and local marketing areas, and who sell the product to local distributors, local retailers, or end users. Currently, 214 firms respond to the EIA-782C survey.

Reliability of Data

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

Measures of Sampling Variability

Tables 14 through 18, 31 through 34, and 38 through 41 utilize a sample of nonrefiners and, therefore, have sampling error. The remainder of the tables published are based on census data; therefore, there is no error due to sampling. The particular sample used for the EIA-782B is one of a large number of all possible samples that could have been selected using the same design. Estimates derived from the different samples would differ from each other. The average of these estimates would be close to the estimate derived from a complete enumeration of the population (a census), assuming that a complete enumeration has the same nonsampling errors as the sample survey.

The sampling error, or standard error of the estimate, is a measure of the variability among the estimates from all possible samples of the same size and design and, thus, is a measure of the precision with which an estimate from a particular sample approximates the results of a complete enumeration.

Nonsampling Errors

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

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

Imputation and Estimation

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

$$\hat{V}_{t.} = \sum_{R,h} W^*_{i,h}\, V_{i,h,t} + \sum_{NR,h} W^*_{j,h}\, V'_{j,h,t}$$

and similarly

$$\hat{Q}_{t.} = \sum_{R,h} W^*_{i,h}\, V_{i,h,t}\, P_{i,h,t} + \sum_{NR,h} W^*_{j,h}\, V'_{j,h,t}\, P'_{j,h,t}$$

where

$$V'_{j,h,t} = \frac{\sum_{R,h,PADD} W^*_{i,h}\, V_{i,h,t}}{\sum_{R,h,PADD} W^*_{i,h}\, \tilde{V}_{i,h,t}}\, \tilde{V}_{j,h,t}$$

$$P'_{j,h,t} = \frac{\sum_{R,h,PADD} P_{i,h,t}}{\sum_{R,h,PADD} \tilde{P}_{i,h,t}}\, \tilde{P}_{j,h,t}$$

and,

$$W^*_{i,h} = \frac{\sum^{N_h} \frac{i}{W_{i,h}}}{n_h} \quad (W_{i,h})$$

$W_{i,h}$ = the weight for company i in stratum h. For resellers/retailers responding to

EIA-782B, $W_{i,h}$ is inversely proportional to the probability of inclusion. For all certainty units $W_{i,h} = 1$. The certainty units are all respondents to the EIA-782A, the EIA-782C, and the units selected with certainty for the EIA-782B.

N_h = total number of population units in stratum h,

n_h = number of sampled units in stratum h,

$\sum_{R,h}$ = summation across current month respondents i, all strata

$\sum_{NR,h}$ = summation across current month nonrespondents j, all strata

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

$P_{i,h,t}$ = current month (t) reported price for company i, in stratum h

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

$\hat{Q}_t$ = current month (t) estimated total revenue,

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

$\tilde{P}_{i,t}$ = current month (t) predicted price for company i, respondent,

$$\tilde{V}_{i,t} = \alpha V'_{i,t-1} + (1-\alpha)V_{i,t-1}$$

$$\tilde{P}_{i,t} = \alpha P'_{i,t-1} + (1-\alpha)P_{i,t-1}$$

where

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

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

α = constant between 0 and 1, set by form, product, type of sale and price or volume,

and

$$\hat{P}_{t.} = \frac{\hat{Q}_{t.}}{\hat{V}_{t.}},$$

the resulting estimate of price at the published level for month t.

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

The variance estimate is :

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

where

N_k = the number of population units in group k,

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

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

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

and $\hat{P}_{t.}$ and $\hat{V}_{t.}$ are previously defined.

The term M_k is computed as follows:

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

where

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

and

$$D_{ik} = P_{ik} - \hat{P}_{t.}$$

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

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

Data Continuity

When the EIA-782 series was implemented in 1983, it replaced prior surveys that had been used to meet the Energy Information Administration's data requirements. The Form EIA-782A replaced the refiner and gas plant operator portions of the Form EIA-460, "Petroleum Industry Monthly Report for Product Prices"; and Form EIA-9A, "No. 2 Distillate Price Monitoring Report"; the Form EIA-782B replaced the nonrefiner portions of the Form EIA-460 and Form EIA-9A; and the Form EIA-782C replaced Form EIA-25, "Prime Supplier's Monthly Report."

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

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

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

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

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

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

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

where t = reference month.

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

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

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

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

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

Starting with the September 1990 final estimates, prices published are derived using the sample described under "Discussion of Sample Design." Prices published for January 1984 through August 1990 were derived using different samples and slightly different designs (refer to the 1987 PMA for a further description). Also, the monthly price estimates from January through December 1983 were derived using another sample design (see the December 1983(3) issue of the PMM). Therefore, there may be some minor discontinuity in price estimates between August 1988 and September 1988 and between December 1983 and January 1984.

Table EN1. Federal and State Motor Fuel Taxes[1]
(Cents per Gallon)

	Motor Gasoline	Diesel Fuel	Gasohol		Motor Gasoline	Diesel Fuel	Gasohol
Federal[2]	18.40	24.40	13.00	Mississippi4	18.40	18.40	18.40
Average State Tax	19.83	19.64	19.66	Missouri[4]	17.00	17.00	17.00
				Montana[4]	27.75	28.50	27.75
Alabama[4]	18.00	19.00	18.00	Nebraska	24.60	24.60	24.60
Alaska	8.00	8.00	8.00	Nevada[4]	23.75	27.75	23.75
Arizona	18.00	18.00	18.00	New Hampshire	18.10	18.10	18.10
Arkansas	18.60	18.60	18.60	New Jersey[3]	10.50	13.50	10.50
California[3 4]	18.00	18.00	18.00	New Mexico	18.88	19.88	18.88
Colorado	22.00	20.50	22.00	New York[3 4]	22.80	22.65	22.65
Connecticut[3]	36.00	18.00	35.00	North Carolina	22.30	22.30	22.30
Delaware	23.00	22.00	23.00	North Dakota	20.00	20.00	20.00
District of Columbia	20.00	20.00	20.00	Ohio	22.00	22.00	22.00
Florida[4]	13.00	13.00	13.00	Oklahoma	17.00	14.00	17.00
Georgia[3 4]	7.50	7.50	7.50	Oregon[4]	24.00	24.00	24.00
Hawaii[3 4]	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[3 4]	19.00	21.50	19.00	South Carolina[4]	16.00	16.00	16.00
Indiana[3]	15.00	16.00	15.00	South Dakota	21.00	21.00	19.00
Iowa[3]	20.00	22.50	19.00	Tennessee	20.00	17.00	20.00
Kansas	18.00	20.00	18.00	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	19.00	16.00	19.00
Maine	19.00	20.00	19.00	Virginia[3]	17.5	16.00	17.5
Maryland	23.50	24.25	23.50	Washington4	23.00	23.00	23.00
Massachusetts	21.00	21.00	21.00	West Virginia3	20.50	20.50	20.50
Michigan3	19.00	19.00	19.00	Wisconsin	24.80	24.80	24.80
Minnesota3	20.00	20.00	15.00	Wyoming	9.00	9.00	9.00

[1] This figure lists rates of general application (including, but not limited to, excise taxes, environmental taxes, special taxes, and inspection fees), exclusive of county and local taxes. Rates are also exclusive of any State taxes based on gross or net receipts. The State rates are effective January 1, 1998.

[2] The Federal tax on motor gasoline and diesel fuel increased to 18.4 and 24.4 cents, respectively, on October 1, 1997.

[3] 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.

[4] Local option taxes (LOTS) are allowed. In Florida, the State assesses a State Comprehensive Enhanced Transportation System (SCETS) tax 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 motor fuel 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.

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

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

Collection Methods

Survey data are collected by mail every month. It is mandatory for each respondent to submit completed forms to EIA within the specified time allotted. For the EIA-782A and B, completed forms must be submitted no later than 30 calendar days after the close of each reference month. For the EIA-782C, completed forms must be submitted no later than 20 calendar days after the close of the reference month. Telephone follow-up calls to nonrespondents begin the day after the established due date in order to collect all outstanding data. Late submissions and resubmissions are processed when received.

Data Processing

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

Nondisclosure

The data contained in this publication are subject to statistical nondisclosure procedures. The objective of the disclosure-avoidance procedures, as stated in the Energy Information Administration Standard 88-05-06, Subject: "Nondisclosure of Company Identifiable

Data in Aggregate Cells," is to ensure that confidential, company-identifiable data are not disclosed in tables where "company specific responses may be proprietary and prohibited from public disclosure by 18 U.S.C. 1905." Statistics representing data aggregated from fewer than three companies or that are dominated by input from one or two companies are withheld. EIA identifies cells that are sensitive according to these criteria by applying a statistical formula to the data contained in each cell to determine if a few companies "dominate" the cell.

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

Relationship of Refiner and Prime Supplier Sales Volumes

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

The reporting universe for the EIA-782C survey is significantly larger than that of the EIA-782A. While nearly all refiners and gas plant operators report on both surveys (a small number do not qualify as prime suppliers), some large, inter-State distributors and retailers, as well as some importers, report only on the EIA-782C.

EIA-782A respondents are asked only to exclude sales to other refiners (that is, other respondents that comprise the primary market), while EIA-782C respondents are asked to exclude sales to any company that is not a local distributor, local retailer, or end user (DRE). Therefore, EIA-782C respondents are asked not only to exclude sales to refiners, but also to most large inter-State resellers, importers, traders, and retailers who transport products across State boundaries.

The EIA-782A is designed to gather data on the sales of selected petroleum products made in each State, regardless of where the products are physically located or will be consumed. In contrast, the EIA-782C is designed to collect data reflecting only delivered sales of selected petroleum products into those States where the products are expected to be locally consumed.

Consequently, EIA-782A and EIA-782C volumetric data generally vary at national, regional, and State levels. In particular, differences are expected in States and regions in which major supply origination, pipeline distribution, or transfer points are located. In these States, large volumes of products may change hands many times, often for eventual shipment outside the State. Since the EIA-782C is intended to measure only those sales into the final local markets of consumption (sales to DREs), all preceding sales are excluded. Furthermore, sales by EIA-782C respondents are reported wherever the product was delivered, which may differ from the State where title transferred. In contrast, the EIA-782A reflects all sales made to secondary resellers, wherever title transfers.

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

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

In summary, caution should be exercised when comparing sales volumes between refiners and prime suppliers. Whereas EIA-782A data reflect the marketing of products by refiners to non-refiners where the sale occurs, EIA-782C data reflect prime supplier sales to local distributors, local retailers, and end users where the product is delivered. Therefore, the EIA-782A and EIA-782C surveys differ by the respondents reporting (refiners versus prime suppli-

Table EN3. Revision Error in Selected 1996 U.S. Average Price Data
(Cents per Gallon Excluding Taxes)

Date	Refiner/Reseller Unleaded Regular Sales to End Users			No. 2 Distillate Sales to Residential Customers			Residual Fuel Oil Sales to End Users		
	PMM	Final	Difference	PMM	Final	Difference	PMM	Final	Difference
January	69.9	70.1	-0.2	94.7	94.6	0.1	49.1	49.7	-0.6
February	70.5	70.5	0.0	95.9	95.9	0.0	46.7	46.2	0.5
March	75.6	75.6	0.0	99.1	99.1	0.0	46.1	46.4	-0.3
April	84.1	84.0	0.1	101.5	101.5	0.0	46.3	46.4	-0.1
May	87.6	87.6	0.0	97.8	97.8	0.0	44.1	44.4	-0.3
June	85.1	85.1	0.0	90.8	91.0	-0.2	41.0	41.0	0.0
July	82.9	82.9	0.0	88.6	87.9	0.7	40.8	40.8	0.0
August	81.1	81.1	0.0	88.0	88.1	-0.1	41.7	42.1	-0.4
September	81.0	81.0	0.0	94.5	94.5	0.0	44.4	44.5	-0.1
October	81.5	81.5	0.0	102.6	102.6	0.0	48.6	48.8	-0.2
November	84.0	84.0	0.0	105.4	105.4	0.0	50.6	50.7	-0.1
December	83.7	83.7	0.0	107.3	107.5	-0.2	51.3	51.6	-0.3

Sources: PMM data are from Tables 15, 31, and 42 of the *Petroleum Marketing Monthly*. Final data are from Tables 15, 31, and 42 of the *Petroleum Marketing Annual,* 1996.

Table EN4. Revision Error in Selected 1996 Refiner Sales Volume Data
(Million Gallons)

Date	Motor Gasoline Sales for Resale			No. 2 Distillate Sales for Resale			Residual Fuel Oil Sales to End Users		
	PMM	Final	Percent Change	PMM	Final	Percent Change	PMM	Final	Percent Change
January	264.5	264.5	0.0	118.4	119.1	-0.6	13.4	14.4	-7.5
February	284.2	283.4	0.3	123.3	123.7	-0.3	15.0	15.0	0.0
March	281.5	280.3	0.4	118.8	119.4	-0.5	12.8	12.7	0.8
April	300.5	299.7	0.3	120.2	120.3	-0.1	11.9	11.8	0.8
May	301.8	301.4	0.1	111.4	110.5	0.8	11.0	10.7	2.7
June	307.0	306.8	0.1	109.7	109.6	0.1	11.3	11.3	0.0
July	310.6	310.4	0.1	109.7	109.4	0.3	11.7	11.8	-0.6
August	306.7	306.9	-0.1	111.2	111.3	-0.1	11.7	12.3	-5.1
September	286.3	286.4	0.0	112.1	112.0	0.1	9.5	10.9	-14.7
October	293.8	293.7	0.0	125.5	125.2	0.2	12.4	13.5	-8.9
November	292.6	292.6	0.0	118.9	119.1	-0.2	13.9	14.3	-2.9
December	296.5	297.0	-0.2	121.3	122.1	-0.7	15.4	15.7	-1.9

Sources: PMM data are from Tables 7, 46, and 47 of the *Petroleum Marketing Monthly*. Final data are from Tables 7, 46, and 47 of the *Petroleum Marketing Annual,* 1996.

Table EN5. Revision Error in Selected Volumes of 1996 Prime Supplier Sales Data
(Million Gallons)

Date	Total Motor Gasoline			Total No. 2 Distillate			Total Residual Fuel Oil		
	PMM	Final	Percent Change	PMM	Final	Percent Change	PMM	Final	Percent Change
January	311.6	311.4	0.1	150.0	150.9	-0.6	37.2	37.3	-0.3
February	327.5	326.9	0.2	154.0	154.0	0.0	34.3	34.2	0.3
March	331.6	331.2	0.1	141.6	142.0	-0.3	32.2	32.1	0.3
April	342.6	342.3	0.1	140.1	140.8	-0.5	27.5	27.4	0.4
May	346.3	345.8	0.1	130.4	130.6	-0.2	23.6	23.1	2.1
June	348.3	348.3	0.0	127.7	128.1	-0.3	26.4	26.2	0.8
July	353.7	353.6	0.0	125.8	126.6	-0.6	27.2	27.0	0.7
August	356.0	355.3	0.2	131.1	131.4	-0.2	28.1	27.6	1.8
September	335.3	334.8	0.1	130.3	130.7	-0.3	24.2	23.8	1.7
October	345.7	344.5	0.3	144.2	144.9	-0.5	25.9	25.9	0.0
November	340.9	339.9	0.3	140.6	141.0	-0.3	29.5	29.5	0.0
December	337.1	336.4	0.2	139.0	139.5	-0.4	33.2	33.4	-0.6

Sources: PMM data are from Tables 48, 49, and 50 of the *Petroleum Marketing Monthly*. Final data are from Tables 48, 49, and 50 of the *Petroleum Marketing Annual*, 1996.

ers), the types of sales reported (sales to non-refiners versus sales to DREs), and the location of the reported sales (point of title transfer versus destination of the sale).

Revision Error

The petroleum product price and volume data shown for the current month are preliminary. These numbers may be revised in the next month's publication based on data received late or revisions received. For example, if the latest data shown are for the month of February, the February data are preliminary and the January data may have been revised due to the receipt of late or revised data. The data are final upon publication in the *Petroleum Marketing Annual* (PMA). The difference between the data when they appear in the *Petroleum Marketing Monthly* (PMM) and when they appear in the PMA is called the revision error. The amount of revision error for some selected EIA-782 data series is shown in Tables EN3 - EN5.

The Crude Oil Price Surveys

Background

Form EIA-182: "Domestic Crude Oil First Purchase Report"

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

Area of production. The producing State or non-State production "area" (i.e., Alaska North Slope, Alaska Other Mainland, Federal Offshore California and Federal Offshore Gulf--about one-fifth off Texas and the remainder off Louisiana).

Average cost. Reported f.o.b. the lease boundary and based on the actual purchase expenditures, including discounts or premiums paid.

Total volume purchased. The amount of crude bought and paid for as it is measured at the lease boundary (usually at a lease automatic custody transfer unit--a LACT unit), adjusted for basic sediment and water (BS&W) and temperature.

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

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

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

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

Offshore inventories. Crude oil owned by the respondent that is intended for importation into the United States. These inventories include oil in tankers enroute to the United States and floating or on-land storage outside the United States.

Crude type. Includes the country of origin of the cargo of crude, the stream or type of crude oil (e.g., Saudi Light), and the API gravity.

Volume acquired. The number of 42 U.S. gallon barrels in the cargo.

Dates. The date of loading/acquisition and the expected date of landing.

Transportation. Ports of loading and landing and the name of the vessel.

Prices. Acquisition cost, landed cost, and other costs such as demurrage, agent's fees, import tariffs and fees, etc. (all costs are reported in dollars per barrel).

Days credit. The number of days credit is extended to the purchaser by the seller.

Purchase classifying information. Type of transaction (e.g., purchase from host government), terms of transaction (spot or contract), and point of transaction (f.o.b. (free on board), country of origin or CIF (cost, insurance, and freight), U.S. port of entry).

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

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

International crude oil markets are complex and dynamic. For example, a cargo of Saudi Arabian crude oil could be acquired in June at a loading port in Saudi Arabia. The cargo may land in the United States in August. The price for the crude oil could be determined by spot crude oil prices in effect during the 5 days before and after landing. For the PMM, the price for this cargo will be aggregated in the month of June, when it was acquired. Conversely, a cargo of Brent crude may be acquired in June, but its price may have been determined in the forward Brent market in April. This cargo's price will also be aggregated in June, when the purchaser took title to the crude.

In the early 1980's, most crude oil prices were set by the country selling the crude. Gradually, as the supply of crude oil became more abundant, markets became more competitive. A robust spot market for

crude evolved, in which prices for crude oil were determined by demand and supply. Frequently, the official sales price set by the selling government was considerably different than spot market assessments. As buyers began to purchase more crude oil on the spot market, the control that sellers had theretofore exercised eroded.

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

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

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

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

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

Domestic crude oil. Oil produced in the United States or from its outer continental shelf.

Imported crude oil. Oil produced outside the United States and brought into the United States for domestic processing.

Unfinished oil. All other oils, both domestic and imported, requiring further refining, except those requiring only mechanical blending.

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

Respondent Frame

Form EIA-182:

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

Adjustments to the frame have mostly been "deaths," with relatively few "births." Following decontrol in January 1981, there was a major contraction of the list of active first purchasers. Many small firms went out of business or were absorbed by larger companies. More recent changes include several mergers among majors and one breakup of a major company. Currently, the EIA-182 survey collects data from 102 active respondents.

Form EIA-856:

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

Form EIA-14:

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

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

Data Collection Processing

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

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

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

Nondisclosure

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

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

Data Continuity

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

Reliability of Data

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

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

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

Table EN6. Revision Error in 1996 Refiner Acquisition Cost Data
(Dollars per Barrel)

Date	Refiner Acquisition Costs								
	Domestic			Imported			Composite		
	PMM	Final	Difference	PMM	Final	Difference	PMM	Final	Difference
January	17.96	17.98	-0.02	17.40	17.48	-0.08	17.68	17.74	-0.06
February	18.10	18.10	0.00	17.73	17.77	-0.04	17.93	17.95	-0.02
March	19.63	19.63	0.00	19.85	19.90	-0.05	19.73	19.76	-0.03
April	21.88	21.88	0.00	21.29	21.33	-0.04	21.61	21.63	-0.02
May	21.15	21.15	0.00	20.08	20.12	-0.04	20.59	20.61	-0.02
June	19.30	19.30	0.00	19.00	19.32	-0.32	19.14	19.31	-0.17
July	19.89	19.91	-0.02	19.58	19.60	-0.02	19.74	19.76	-0.02
August	20.54	20.55	-0.01	20.25	20.53	-0.28	20.39	20.54	-0.15
September	21.88	21.87	0.01	22.35	22.04	0.31	22.11	21.96	0.15
October	22.94	22.93	0.01	23.23	23.22	0.01	23.09	23.08	0.01
November	23.04	23.08	-0.04	22.65	22.66	-0.01	22.84	22.87	-0.03
December	23.39	23.38	0.01	23.15	23.22	-0.07	23.27	23.30	-0.03

Sources: PMM data are from Table 1 of the *Petroleum Marketing Monthly.* Final data are from Table 1 of the *Petroleum Marketing Annual,* 1996.

Table EN7. Revision Error in 1996 Domestic First Purchase Price Data
(Dollars per Barrel)

Month	PMM	Final	Difference
January	15.43	15.43	0.00
February	15.57	15.54	0.03
March	17.63	17.63	0.00
April	19.61	19.58	0.03
May	17.96	17.94	0.02
June	16.94	16.94	0.00
July	17.64	17.63	0.01
August	18.29	18.29	0.00
September	19.98	19.93	0.05
October	21.09	21.09	0.00
November	20.21	20.20	0.01
December	21.35	21.34	0.01

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual*, 1996.

Table EN8. Revision Error in 1996 Foreign Crude Oil Acquisition Cost Data
(Dollars per Barrel)

Month	FOB Cost of Imports			Landed Cost of Imports		
	PMM	Final	Difference	PMM	Final	Difference
January	15.91	16.15	-0.24	17.10	17.27	- 0.17
February	16.49	16.75	-0.26	17.44	17.69	-0.25
March	18.58	18.30	0.28	19.41	19.26	0.15
April	19.82	19.66	0.16	20.92	20.83	0.09
May	18.41	18.45	- 0.04	19.67	19.71	-0.04
June	17.53	17.55	-0.02	18.76	18.79	-0.03
July	18.13	18.13	0.00	19.31	19.33	-0.02
August	19.11	19.18	-0.07	20.07	20.19	-0.12
September	21.02	20.77	0.25	21.91	21.77	0.14
October	21.97	22.02	-0.05	22.90	22.97	-0.07
November	21.18	21.18	0.00	22.03	22.11	-0.08
December	21.78	21.48	0.30	22.61	22.47	0.14

Sources: PMM data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual,* 1996.

Imputation

Since the response rates for the crude oil survey are virtually 100 percent, there are no imputation procedures in the PMM data for nonresponse to these surveys. Imputation is performed, however, on EIA-182 volume data used in estimating crude oil production published in the *Petroleum Supply Monthly* (PSM). Since production estimates for the PSM are required on an expedited schedule, some responses are imputed for the PSM. However, all responses are received prior to the publication of the PMM, thus no imputation is required for the price data published in the PMM. See Note 4 in the Explanatory Notes in the PSM for additional information on the use of EIA-182 data in estimating domestic crude oil production.

Revision Error

The crude oil values shown for Domestic First Purchase Prices and Refiner Acquisition Cost (RAC) for the current month and for Average Landed Costs for the current 2 months are preliminary. These numbers are revised in the month after the preliminary month(s) based on data received late or revisions received. For example, in the February publication, the February RAC data are preliminary and the January RAC data may have been revised due to receipt of late or revised data. The data are final upon publication in the *Petroleum Marketing Annual* (PMA). In the above example, the difference between the January RAC data in the *Petroleum Marketing Monthly* (PMM) and when they appear in the PMA is called the revision error. The amount of revision error for some selected crude oil data series is shown in Tables EN6 through EN8.

Product Guide

Product Guide

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

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

Glossary

Glossary

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

$$Deg\ \ API = \frac{141.5}{sp\ gr60degF/60degF} - 131.5$$

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

Barrel: 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 loading 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: See Motor Gasoline.

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 accordance with accounting procedures generally accepted and consistently and historically applied by

the refiner concerned, or (2) in the case of a processing agreement, delivered to another refinery for processing for the respondent's own account.

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

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. It is used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils and No. 1, No. 2, and No. 4 diesel fuels.

1. **No. 1 Distillate:** A petroleum distillate which meets the specifications for No. 1 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 1 diesel fuel as defined in ASTM Specification D 975, with distillation temperatures of 420 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees Fahrenheit.

   a. **No. 1 Diesel Fuel:** A volatile distillate fuel oil with a boiling range between 300-575 degrees Fahrenheit and used in high-speed diesel engines generally operated under wide variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D 975.

   b. **No. 1 Fuel Oil:** A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D 396 specifies for this grade maximum distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees Fahrenheit.

2. **No. 2 Distillate:** A petroleum distillate which meets the specifications for No. 2 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 2 diesel fuel as defined in ASTM Specification D 975.

   a. **No. 2 Diesel Fuel:** A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees Fahrenheit for use in high speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D 975.

      - **Low Sulfur:** The sulfur level does not exceed 0.05 percent by weight.

      - **High Sulfur:** The sulfur level is above 0.05 percent by weight.

   b. **No. 2 Fuel Oil:** A distillate fuel oil for use in atomizing type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D 396 specifies for this grade distillation temperatures at the 90-percent point between 540 and 640 degrees Fahrenheit, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees Fahrenheit.

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

3. **No. 4 Fuel:** A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D 396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees Fahrenheit. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel en-

gines that conforms to ASTM Specification D 975.

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

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

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

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

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

Kerosene: A petroleum distillate that has a maximum distillation temperature of 401 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum endpoint of 625 degrees Fahrenheit. Kerosene is used in space heaters, cook stoves, and water heaters; it is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel: A quality kerosene product with maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit. The fuel is designated in ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). A relatively low freezing point distillate of the kerosene type used primarily for commercial turbojet and turboprop aircraft engines.

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

Motor Gasoline (Finished): A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D 439-88 or Federal Specification VV-G-1690B, include a boiling range of 122 to 158 degrees Fahrenheit at the 10-percent recovery point to 365 to 374 degrees Fahrenheit at the 90-percent recovery point. "Motor Gasoline" includes conventional gasoline, oxygenated gasoline (EPA approved), and reformulated gasoline. Blendstock (including ethanol and MTBE) are excluded until blending has been completed.

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:** Gasoline formulated for use in motor vehicles that is intended for use in EPA approved carbon monoxide (CO) nonattainment State programs. Excludes reformulated gasoline, oxygenated fuels program reformulated gasoline (OPRG) and reformulated gasoline blendstock for oxygenate blending (RBOB).

3. **Reformulated Gasoline:** Gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of

the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. Includes oxygenated fuels program reformulated gasoline (OPRG). Excludes reformulated gasoline blendstock for oxygenate blending (RBOB).

Within each of these three types of gasoline are the following three grades:

a. **Regular Gasoline:** Gasoline having an antiknock index ((R + M)/2) greater than or equal to 85 and less than 88.

b. **Midgrade Gasoline:** Gasoline having an antiknock index ((R + M)/2) greater than or equal to 88 and less than or equal to 90.

c. **Premium Gasoline:** Gasoline having an antiknock index ((R + M)/2) greater than 90.

NOTE: For this publication, 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 above may be 2 or more octane points lower.

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 and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F., meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

OPEC: 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: "**O**xygenated Fuels **P**rogram **R**eformulated **G**asoline" 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: Any substance which, when added to gasoline, increases the amount of oxygen in that gasoline blend.

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_3H_8), which includes all products covered by Natural Gas Policy Act (NGPA) Specifications for commercial use and HD-5 propane and ASTM Specification D 1835. 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: "**R**eformulated Gasoline **B**lendstock for **O**xygenate **B**lending" 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 Oils: The topped crude of refinery operations, which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D 396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Retailer: A firm (other than a refiner, reseller, or reseller / retailer) that carries on the trade or business of purchasing refined petroleum products and reselling them to ultimate consumers.

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) be-

ing 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.

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

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

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

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Articles

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