

READING EDITION

Energy Information Administration

Petroleum  
Marketing  
Annual  
1985

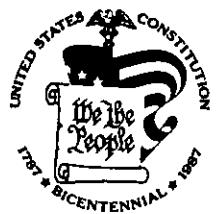
Volume 1



This publication is available from the Superintendent of Documents, U.S. Government Printing Office (GPO). Ordering information and purchase of this and other Energy Information Administration (EIA) publications may be obtained from the GPO or the EIA's National Energy Information Center (NEIC). Questions on energy statistics should be directed to the NEIC. Addresses and telephone numbers appear below.

National Energy Information Center, EI-20  
Energy Information Administration  
Forrestal Building  
Room 1F-048  
Washington, D C 20585  
(202) 252-8800

Superintendent of Documents  
U.S. Government Printing Office  
Washington, D C 20402  
(202) 783-3238



DOE/EIA-0487(85)/1  
Distribution Category UC-98

# Petroleum Marketing Annual 1985

## Volume 1

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

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or necessarily reflecting any policy position of the Department of Energy or any other organization.

# Contacts

The *Petroleum Marketing Annual* (PMA) is prepared in the Energy Information Administration (EIA). General information may be obtained from Dr. John S. Cook (202-252-5214), Director, Petroleum Marketing Division, Office of Oil and Gas, EIA.

Detailed, technical questions for specific areas of the PMA may be directed to the EIA staff listed below.

For primary program responsibility:

Michael J. Griffey (202-252-9601)

For tables referencing the EIA-782A only:

Charles Riner (202-252-6610)

For tables referencing both the EIA-782A and the EIA-782B:

Annie Whatley (202-252-6612)

For tables referencing the EIA-782C:

Linda Frasch (202-252-6405)

For tables referencing the EIA-14 and EIA-856:

Lamar Gowland (202-252-6608)

For tables referencing the EIA-182:

Charles Shirkey (202-252-6567)

# *Contents*

	Page
Introduction .....	1
Summary Statistics .....	3
Highlights .....	5
Crude Oil Prices .....	17
Sales Prices of Petroleum Products .....	27
Sales Volumes of Petroleum Products .....	69
Percentages of Petroleum Product Sales .....	87
First Sales of Petroleum Products for Consumption .....	105
Standard Errors and Survey Response Percentages .....	123
Glossary .....	127
Explanatory Notes .....	135
Product Guide and Cross Reference Guide .....	147

## *Tables*

### **Summary Statistics**

1. Crude Oil Prices, 1978-1985 .....	7
2. Refiner and Gas Plant Operator Sales Prices of Petroleum Products to End-Users, 1978-1985 .....	8
3. Refiner and Gas Plant Operator Sales Volumes of Petroleum Products to End-Users, 1983-1985 .....	8
4. Refiner and Gas Plant Operator Sales Prices of Petroleum Products for Resale, 1978-1985 .....	9
5. Refiner and Gas Plant Operator Sales Volumes of Petroleum Products for Resale, 1983-1985 .....	9

### **Crude Oil Prices**

6. Refiner Acquisition Costs of Crude Oil by Type of Refiner, 1978-1985 .....	19
7. First Purchase Prices of Domestic Crude Oil by PAD District and Selected States, 1978-1985 .....	20

**Crude Oil Prices**

8. FOB Costs of Crude Oil Purchases for U.S. Importation from Selected Countries, 1978-1985 .....	21
9. Landed Costs of Crude Oil Purchases for U.S. Importation from Selected Countries, 1978-1985 .....	21
10. FOB Costs of Crude Oil Purchases for U.S. Importation by API Gravity, 1978-1985 .	22
11. Landed Costs of Crude Oil Purchases for U.S. Importation by API Gravity, 1978-1985 .....	22
12. Percentages of Total Purchases for U.S. Importation by API Gravity, 1978-1985 .....	23
13. FOB Costs of Crude Oil Purchases for U.S. Importation for Selected Crude Streams, 1978-1985 .....	24
14. Landed Costs of Crude Oil Purchases for U.S. Importation for Selected Crude Streams, 1978-1985 .....	25

**Sales Prices of Petroleum Products**

15. Refiner and Gas Plant Operator Sales Prices of Finished Motor Gasoline by Type of Seller, 1978-1985 .....	29
16. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983-1985 .....	30
17. Refiner, Gas Plant Operator, and Reseller Sales Prices of Leaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983-1985 .....	35
18. Refiner, Gas Plant Operator, and Reseller Sales Prices of Unleaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983-1985 .....	40
19. Refiner, Gas Plant Operator, and Reseller Sales Prices of Premium Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983-1985 .....	45
20. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Grade, PAD District, and State, 1984-1985 .....	50
21. Refiner and Gas Plant Operator Sales Prices of Selected Petroleum Products to End-Users by PAD District and State, 1985 .....	54
22. Refiner and Gas Plant Operator Sales Prices of Selected Petroleum Products for Resale by PAD District and State, 1985 .....	55
23. Sales Prices of No. 2 Distillate to Residences for Selected States, 1978-1985 .....	56
24. Sales Prices of No. 2 Distillate by Type of Seller, PAD District, and Selected States, 1984-1985 .....	57
25. Sales Prices of No. 2 Distillate by Type of Sale, PAD District, and Selected States, 1983-1985 .....	59

**Sales Prices of Petroleum Products**

26. Sales Prices of No. 2 Fuel Oil by Type of Sale, PAD District, and Selected States, 1983-1985 .....	62
27. Refiner and Gas Plant Operator Sales Prices of Residual Fuel Oil, 1978-1985 .....	65
28. Sales Prices of Residual Fuel Oil by PAD District and Selected States, 1985 .....	66
29. Refiner and Gas Plant Operator Sales Prices of No. 4 Fuel Oil and Residual Fuel Oil by PAD District, 1983-1985 .....	67

**Sales Volumes of Petroleum Products**

30. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products to End-Users by Type of Seller, 1983-1985 .....	71
31. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products for Resale by Type of Seller, 1983-1985 .....	72
32. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983-1985 .....	73
33. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Grade, PAD District, and State, 1983-1985 .....	78
34. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products to End-Users by PAD District and State, 1985 .....	83
35. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products for Resale by PAD District and State, 1985 .....	84
36. Refiner and Gas Plant Operator Sales Volumes of No. 4 Fuel Oil and Residual Fuel Oil by PAD District, 1983-1985 .....	85

**Percentages of Petroleum Products Sales**

37. Percentages of Refiner and Gas Plant Operator Petroleum Product Sales by Type of Seller, 1983-1985 .....	89
38. Percentages of Refiner and Gas Plant Operator Petroleum Product Sales by Type of Sale, 1983-1985 .....	90
39. Percentages of Refiner and Gas Plant Operator Sales of Finished Motor Gasoline Through Company-Operated Retail Outlets and for Resale by PAD District and State, 1983-1985 .....	91
40. Percentages of Refiner and Gas Plant Operator Finished Motor Gasoline Sales by Type of Sale, PAD District, and State, 1983-1985 .....	96
41. Percentages of Refiner and Gas Plant Operator Kerosene-Type Jet Fuel Sales by Type of Sale and PAD District, 1983-1985 .....	101

**Percentages of Petroleum Products Sales**

42. Percentages of Refiner and Gas Plant Operator No. 2 Distillate Sales by Type of Sale and PAD District, 1983-1985 .....	102
43. Percentages of Refiner and Gas Plant Operator Propane Sales by Type of Sale and PAD District, 1983-1985 .....	103
44. Percentages of Refiner and Gas Plant Operator Residual Fuel Oil Sales by Type of Sale and PAD District, 1983-1985 .....	104

**First Sales of Petroleum Products for Consumption**

45. Volumes of First Sales of Finished Motor Gasoline into States for Consumption by Grade, PAD District, and State, 1983-1985 .....	107
46. Volumes of First Sales of Distillate Fuel Oil and Kerosene into States for Consumption by PAD District and State, 1983-1985 .....	112
47. Volumes of First Sales of Aviation Fuels, Residual Fuel Oil, and Propane into States for Consumption by PAD District and State, 1983-1985 .....	117

**Standard Errors and Survey Response Percentages**

48. Lowest and Highest Monthly Standard Errors of Sales Prices of Finished Motor Gasoline, No. 2 Distillate, and Residual Fuel Oil by PAD District and State, 1985 ....	125
49. Response Rate by Type of Entity, PAD District, and State, 1985 .....	126

## **Figures**

1. Landed Costs of Crude Oil Purchased for U.S. Importation, by API Gravity, 1978-1985 .....	10
2. Percent Distribution by API Gravity Band, 1978-1985 .....	10
3. Crude Oil Prices, 1978-1985 .....	11
4. Refiner and Gas Plant Operator Retail Prices, 1978-1985 .....	12
5. Refiner and Gas Plant Operator Wholesale Prices, 1978-1985 .....	12
6. Refiner and Gas Plant Operator Retail Volumes, 1983-1985 .....	13
7. Refiner and Gas Plant Operator Wholesale Volumes 1983-1985 .....	13
8. Refiner and Gas Plant Operator Motor Gasoline Sales Volumes by Grade, 1983-1985 .....	14
9. Refiner and Gas Plant Operator Residual Fuel Oil Sales Prices, 1978-1985 .....	14
10. Retail Prices of Selected Petroleum Products, 1978-1985 .....	15
11. Wholesale Prices of Selected Petroleum Products, 1978-1985 .....	15
12. Federal and State Motor Fuel Taxes .....	142
13. U.S. Postal, Two-Letter State Abbreviations .....	143



# Introduction

The *Petroleum Marketing Annual* (PMA) contains statistical data on a variety of crude oils and refined petroleum products. The PMA is divided into two volumes. This first volume contains annual price, volume, and percentage statistics. The second volume is a compilation of final 1985 monthly crude oil purchase prices and percentage statistics and refined petroleum products sales statistics.

Data on crude oil include the domestic first purchase price, the free on board (f.o.b.) and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Sales data for refined petroleum products include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. Volume 1 contains a cross reference guide to facilitate comparing tables in Volume 1 with those published in Volume 2 and in the *Petroleum Marketing Monthly* (PMM).

## Scope of Data

The data within the PMA are compiled from seven 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 tables on petroleum products in the Sales Prices and Sales Volumes sections are from Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report." However, price tables 16 through 20 and 23 through 27 showing data for motor gasoline, No. 2 distillate (including No. 2 fuel oil), and residual fuel oil are derived from aggregations of data from Form EIA-782A and Form EIA-782B, "Resellers/Retailers' Monthly Petroleum Product Sales Report."

The data presented in the First Sales for Consumption section—Tables 45 through 47—are derived from aggregations of data from Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption." The PMA's product coverage for the EIA-782C data has been expanded from that covered in the PMM to include kerosene, No. 1 distillate, No. 4 fuel oil, naphtha-type jet fuel, and residual fuel oil by sulfur content.

## Sections

Monthly statistics on purchases of crude oil and sales of petroleum products are presented in the PMA in six sections:

- Summary Statistics
- Crude Oil Prices
- Sales Prices of Petroleum Products
- Sales Volumes of Petroleum Products
- Percentages of Petroleum Product Sales
- First Sales of Petroleum Products<sup>1</sup> for Consumption.

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.

To provide the reader with a historical perspective on the data, several years of data are presented. Generally, the national level statistics on petroleum product prices and crude oil are published from 1978 through 1985. The tables for volume data, State-level prices, percentages, and sales for consumption generally are published for 1983 through 1985. Tables 21 and 22 for prices of selected petroleum products and Tables 34 and 35 for volumes of selected petroleum products only show data for 1985 (the first full year of State-level data for those products).

A graphic overview is presented at the end of the Summary Statistics section to summarize the crude oil and refined petroleum product market activity which occurred during 1985.

## Notes on the Tables

- For crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Co-

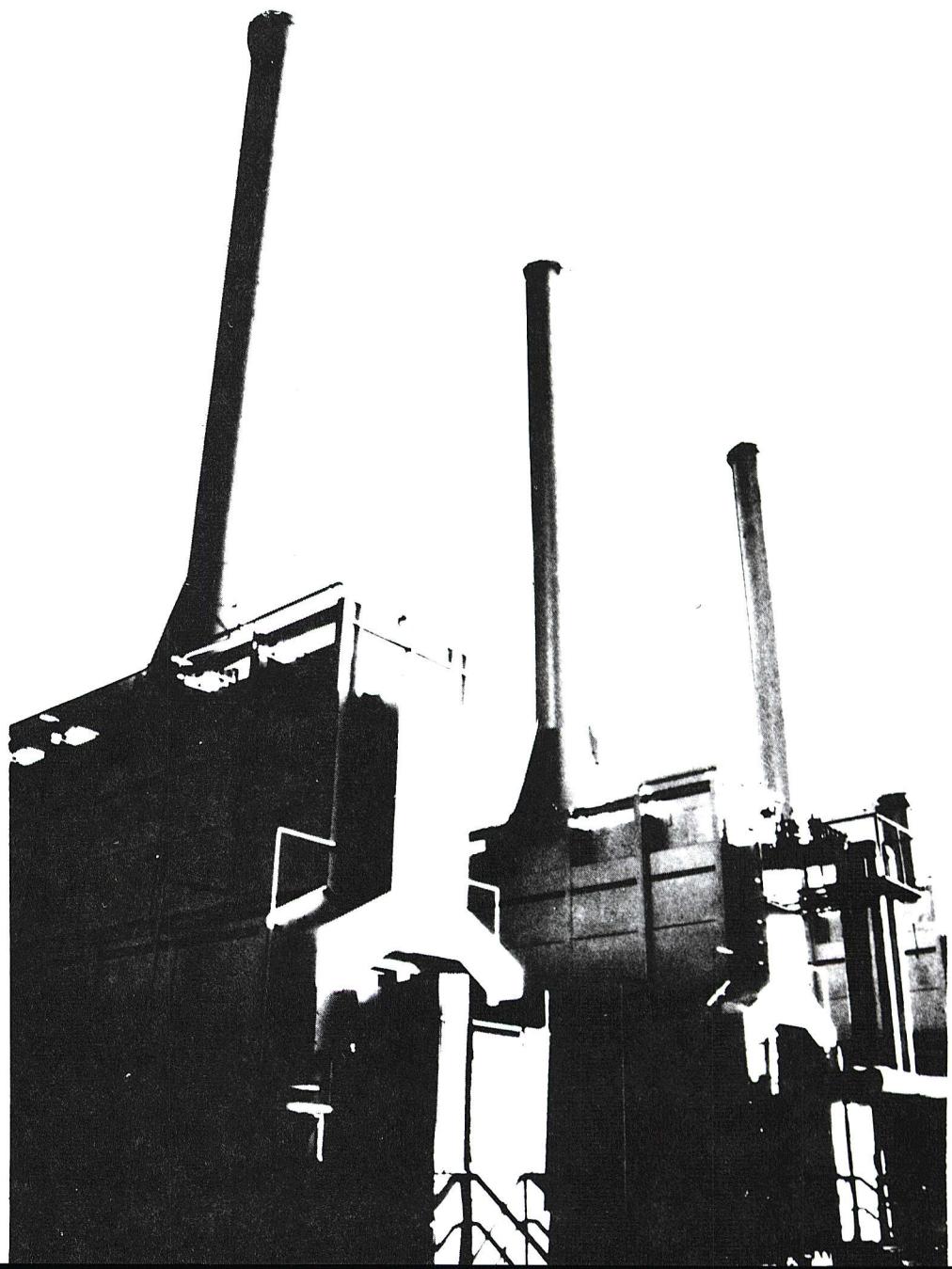
lumbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum product data, United States includes the 50 States and the District of Columbia.

- Values shown are final. Refer to Explanatory Notes for a discussion of processing late submissions and resubmissions.
- Volumes shown in the Summary Statistics tables are in millions of gallons. Volumes shown in the

Sales Volumes of Petroleum Products and First Sales of Petroleum Products for Consumption are in thousands of gallons.

- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- For the tables using State abbreviations, refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- "Type of seller" comprises the categories major refiners, other refiners and gas plant operators, and resellers as defined in the Glossary.

# **Summary Statistics**



Refinery.



# Highlights

## Overview

For the most part, crude oil and petroleum product prices in 1985 continued to decline from their 1981 highs. After almost tripling from 1978 through 1981, both domestic and imported crude prices fell about 25 percent during 1981 through 1985. Over the 1978 through 1981 period, most refined product prices more than doubled, then gradually declined 10 to 20 percent from 1981 through 1985.

Particularly noteworthy in this period of decline were the events of 1984 and 1985. The merger activity of 1984 shocked analysts, investors, and observers alike. The greatest attention focused on the "mega-mergers" that involved four of the world's largest oil companies. The extraordinary merger activity of 1984 led to widespread restructuring and consolidation during 1985, as refiners, traders, and marketers struggled to compete in the weak markets. These reorganization and streamlining efforts began to show positive results early in 1985 and contributed to the industry's recovery. The key factor in this recovery, however, was the increase in motor gasoline prices in the early spring, as gasoline supply and price trends returned to "normal" patterns, in contrast to the "contraseasonal" patterns of 1984.

Then in September the Saudi Arabian government created an upheaval as unsettling as the merger activity of the previous year. Saudi Arabia, which had previously functioned as OPEC's swing producer, announced that it would no longer play that role. Instead, it would seek its fair market share, and in order to accomplish this goal, it would resort to market-based pricing rather than using the official sales price in its contract agreements.

The Saudis, who had been cautioning other OPEC members about exceeding their quotas for quite some time, finally decided that they had cut their production one too many times to accommodate those members who were intent on producing above the cartel's agreed upon quotas. In what seemed to be an immediate about face, the Saudis increased their production and began to arrange market priced deals that caught both cartel members and other oil producing nations by surprise. The resulting change in the oil markets was dramatic as the Saudis began to use "netback" pricing agreements which tied the price of crude oil to the yield in the product markets.

Saudi crude imports to the United States, which had fallen to infrequent cargoes in the first three quarters of 1985, surged to more than 500,000 barrels per day in the last quarter of 1985. The majority of that crude was sold on a netback basis which resulted in a steep decline in prices for Saudi crude in late 1985, and set the new standard in pricing that other producers and traders had to follow to remain competitive. As the

first of many cargoes of netback crude began to arrive in the U.S. in the last quarter of 1985, imported crude prices began their downward spiral.

The implications of the Saudi actions were not fully understood at the time, and their immediate effect on international as well as domestic product markets was slight. Thus, while crude markets were experiencing the beginnings of major changes in pricing and in structure, product markets remained relatively calm through the end of 1985. The industry continued to shift its focus towards the downstream in an effort to make its marketing activities more profitable. Most planned upgrades to refineries were completed by the end of 1985, enabling more efficient use of heavier grade crudes and the increased production of lead-free motor gasoline in compliance with Environmental Protection Agency (EPA) regulations. With these changes in place, attention was focused on streamlining marketing techniques which stressed high volume outlets in major metropolitan areas, expanding self-serve convenience store locations, and withdrawing from the less-profitable and generally more-distant markets.

## Crude Oil

Refiner acquisition costs for crude oil continued to fall from the 1981 high points with the 1985 cost averaging \$1.87 per barrel (6.5 percent) less than in 1984, 24.1 percent lower than the peak year of 1981. Domestic acquisition costs dropped \$1.88 per barrel (6.6 percent), following the same pattern as imported acquisition costs, which averaged \$1.85 less than the previous year (6.4 percent).

Domestic first purchase prices also decreased for the fourth year in a row, with the average domestic price dropping \$1.80 per barrel (7.0 percent) from its 1984 price—more than 24 percent below the 1981 high point. In 1985, average first purchase prices fluctuated from a low of \$23.64 in February, to a high of \$24.51 in December. PADD V (Alaskan and Californian crudes) continued to be the most stable, maintaining prices in the \$19 per barrel range over the last 3 years. PADD II (Midwest region) prices declined the most, dropping \$2.68 per barrel (9.4 percent) from 1984. PADD III (the Gulf Coast region), the largest producing region, fell \$2.12 per barrel (7.3 percent) in 1985.

Imported crude prices began to decline gradually in June 1985, drifting from \$26 per barrel for average free-on-board (f.o.b.) prices, to \$25 per barrel through November 1985. The same downward trend was seen in landed prices for imports through November, at which point both f.o.b. and landed costs plummeted more than \$1.50 per barrel in December. The cause of the sharp fall was the arrival of Saudi netback crude which fell more than \$4.00 per barrel for f.o.b. and \$3.63 per

barrel (14.7 percent) for landed cargoes. This dramatic decline in Saudi crude prices represented a 21.4 percent drop from its 1983 average f.o.b. price. Mexico, the largest U.S. supplier, continued to use an official sales price in all its contractual agreements, and saw its 1985 average f.o.b. price settle at almost the same level as in 1983. Other major exporters to the United States showed the following declines in 1985 (based on comparison to their 1984 landed prices): Canada, \$0.91 (3.4 percent); United Kingdom, \$1.26 (4.3 percent); Venezuela, \$0.72 (2.9 percent); Nigeria, \$1.54 (5 percent); and Indonesia, \$1.99 (6.5 percent). The average annual f.o.b. cost for imported crude in 1985 was \$1.67 (6.1 percent) below the 1984 level and more than 26 percent below the 1981 high. Average annual landed costs for 1985 were \$1.86 (6.5 percent) below the 1984 level and more than 27 percent below the 1981 mark.

Particularly noteworthy from 1978 through 1985, was the dramatic shift in the composition of imported crude. Whereas in 1978 less than 5 percent of all imported crude was classified as "heavy" (equal to or less than 25 degrees API gravity), by 1985 almost 30 percent of all imports were heavy crude. As shown in Table 12, the heavy crude gains came primarily at the expense of the very light crudes (i.e., those above 35 degrees API). However, the share of the intermediate crudes, (i.e., those 25.1 to 35 degrees API) also declined substantially over the 8-year period. This shift to the heavier crude streams is a natural consequence of the substantive upgrading of refining capacity undertaken over the 8-year period, particularly since the early 1980's. Reflecting to a large degree the increased demand for the heavier crudes (Tables 10 and 11), beginning with 1982 the heavier crudes have generally held their value (actually lost relatively less of their value) more than their lighter counterparts.

### Petroleum Products

Deviating slightly from the steady downward trend which began in 1982, annual average motor gasoline prices inched up in 1985. They began the year substantially below comparable 1984 levels. However, due to sharp price increases during spring 1985, the average retail prices (all three grades combined and all seller groups) were up 0.4 cent per gallon for sales through company-outlet sales and down 0.2 cent per gallon for sales to other end users. Average annual wholesale prices were up 0.3 cent per gallon.

Noteworthy in 1985 was the return to "seasonal" pricing patterns: an upturn in prices in the spring and early summer, climaxing in mid-summer with the peak "driving season" followed by a gradual decline in late summer and into the fall. The 1984 patterns were quite different, with a relatively low peak in early spring and a distinct low point in mid-summer. To a large extent,

the "contraseasonal" patterns of 1984 were a result of abnormally high motor gasoline stocks in the early spring, with these stocks themselves an undesired consequence of the extreme winter weather with its associated high distillate production. In contrast to 1984, motor gasoline stocks in the spring of 1985 were as much as 15 percent lower.

Sales of finished motor gasoline for consumption rose 5.4 percent from 1984, up 7.8 percent compared to 1983. Also noteworthy in the 1985 gasoline markets was the implementation of the EPA lead phasedown on July 1. Sales of leaded regular gasoline for consumption fell from 41 percent of all sales in 1984 to 36 percent in 1985. Reflecting the slowly increasing "octane demand" of the driving public, sales of premium gasoline for consumption continued to rise as a portion of total sales, increasing from 14.3 percent in 1984 to 15.6 percent in 1985.

In the No. 2 distillate markets, the downward trend in prices since 1981 (except for the slight upturn in 1984 as a result of the severe cold weather in the early part of the year) continued in 1985. During 1985 prices declined for each of the five end users as well as at the wholesale level. The annual average residential price fell 3.8 cents per gallon, while the wholesale price fell a similar amount. Annual average prices for each of the other four end-user categories fell 3.4 to 3.9 cents per gallon. Prices were lower than in 1984 for each of the sales categories in almost every State. Price declines generally were larger in the Northeast (PADD's 1A and 1B, the New England and Mid-Atlantic States), the area with the sharpest price increases during the 1984 cold wave. Conversely, the West Coast States (PADD V), which were generally unaffected by the 1984 colder weather, showed the smallest declines in prices for 1985.

Reflecting the more moderate 1985 weather, total sales of No. 2 distillate for consumption increased less than 1 percent over 1984.

With world and U.S. demand for heavy fuel oils declining, 1985 average annual residual fuel oil prices were well below 1984 levels. While the 1984 prices were boosted by the British coal strike, 1985 prices showed very little strength, averaging 7.7 cents per gallon below their 1984 level for both retail and wholesale sales. Sales of total residual fuel for consumption fell 15.2 percent from their 1984 levels.

For the other refined products, both retail and wholesale prices declined on an annual average basis. Notable in 1985 were the declines in kerosene-type jet fuel prices—4.6 cents at the retail level and 3.6 cents at the wholesale level—which provided some relief for the airline industry. Total sales for consumption were up in 1985 for No. 1 distillate, kerosene-type jet fuel, and propane. Total sales for consumption declined for kerosene, aviation gasoline, and naphtha-type jet fuel.

**Table 1. Crude Oil Prices, 1978 - 1985**  
(Dollars per Barrel)

Year	Domestic First Purchase Prices	Average FOB <sup>a</sup> Cost of Crude Oil Imports <sup>b</sup>	Average Landed Cost of Crude Oil Imports <sup>b</sup>	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
1978 .....	9.00	13.30	14.38	10.61	14.57	12.46
1979 .....	12.64	20.19	21.65	14.27	21.67	17.72
1980 .....	21.59	32.27	33.95	24.23	33.89	28.07
1981 .....	31.77	35.10	36.52	34.33	37.05	35.24
1982 .....	28.52	32.11	33.18	31.22	33.55	31.87
1983 .....	26.19	27.73	28.93	28.87	29.30	28.99
1984 .....	25.88	27.44	28.46	28.53	28.88	28.63
1985 .....	24.09	25.83	26.66	26.66	26.99	26.75

<sup>a</sup> FOB = Free on board. See Glossary.

<sup>b</sup> Values through 1980 reflect the month of reporting; values since then reflect the month of loading.

Source: Domestic first purchase prices -- January 1978 through December 1982: Form ERA-182, "Domestic Crude Oil First Purchase Report"; January 1983 to present: Form EIA-182, "Domestic Crude Oil First Purchase Report."

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

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

**Table 2. Refiner and Gas Plant Operator Sales Prices of Petroleum Products to End-Users, 1978 - 1985**  
 (Cents per Gallon Excluding Taxes)

Year	Finished Motor Gasoline	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil	Propane (Consumer Grade)
						No. 2 Fuel Oil	No. 2 Diesel Fuel	Average			
1978 .....	48.4	51.6	38.7	42.1	40.9	40.0	37.7	39.6	31.1	29.8	33.5
1979 .....	71.3	68.9	54.7	58.5	57.2	51.6	58.5	55.1	47.9	43.8	35.7
1980 .....	103.5	108.4	88.8	90.2	83.4	78.8	81.8	80.4	68.2	60.7	48.2
1981 .....	114.7	130.3	102.4	112.3	103.9	91.4	99.5	95.8	79.7	75.6	56.5
1982 .....	106.0	131.2	98.3	108.9	102.3	90.5	94.2	92.5	75.0	67.6	59.2
1983 .....	95.4	125.5	87.8	98.1	96.2	91.6	82.6	83.8	76.6	65.1	70.9
1984 .....	90.7	123.4	84.2	103.6	92.7	91.6	82.3	83.7	78.6	68.7	73.7
1985 .....	91.2	120.1	79.6	103.0	88.0	84.9	78.9	79.9	77.3	61.0	71.7

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

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates 1978 through 1982.

**Table 3. Refiner and Gas Plant Operator Sales Volumes of Petroleum Products to End-Users, 1983 - 1985**  
 (Million Gallons)

Year	Finished Motor Gasoline	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil	Propane (Consumer Grade)
						No. 2 Fuel Oil	No. 2 Diesel Fuel	Total			
1983 .....	18,654	153	11,251	79	166	1,348	8,517	9,865	263	10,336	1,141
1984 .....	21,072	116	12,027	111	199	1,784	9,632	11,416	244	12,024	1,196
1985 .....	21,001	103	12,625	94	190	1,808	9,115	10,922	186	9,186	1,346

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 4. Refiner and Gas Plant Operator Sales Prices of Petroleum Products for Resale, 1978 - 1985**  
 (Cents per Gallon Excluding Taxes)

Year	Finished Motor Gasoline	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil	Propane (Consumer Grade)
						No. 2 Fuel Oil	No. 2 Diesel Fuel	Average			
1978 .....	43.4	53.7	38.6	40.4	40.6	36.9	36.5	36.7	30.5	26.3	23.7
1979 .....	63.7	72.1	66.0	62.4	58.3	56.9	57.4	57.1	47.0	39.9	29.1
1980 .....	94.1	112.8	86.8	86.4	88.0	80.3	80.1	80.2	67.0	52.8	41.5
1981 .....	106.4	125.0	101.2	106.6	107.1	97.6	97.2	97.4	78.3	66.3	46.6
1982 .....	97.3	122.8	95.3	101.8	103.8	91.4	91.4	91.4	73.7	61.2	42.7
1983 .....	88.2	117.8	85.4	89.2	89.6	81.5	80.8	81.2	72.6	60.9	48.4
1984 .....	83.2	116.5	83.0	91.6	89.2	82.1	80.3	81.3	70.7	65.4	45.0
1985 .....	83.5	113.0	79.4	87.4	86.3	77.6	77.2	77.4	67.2	57.7	39.8

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

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates 1978 through 1982.

**Table 5. Refiner and Gas Plant Operator Sales Volumes of Petroleum Products for Resale, 1983 - 1985**  
 (Million Gallons)

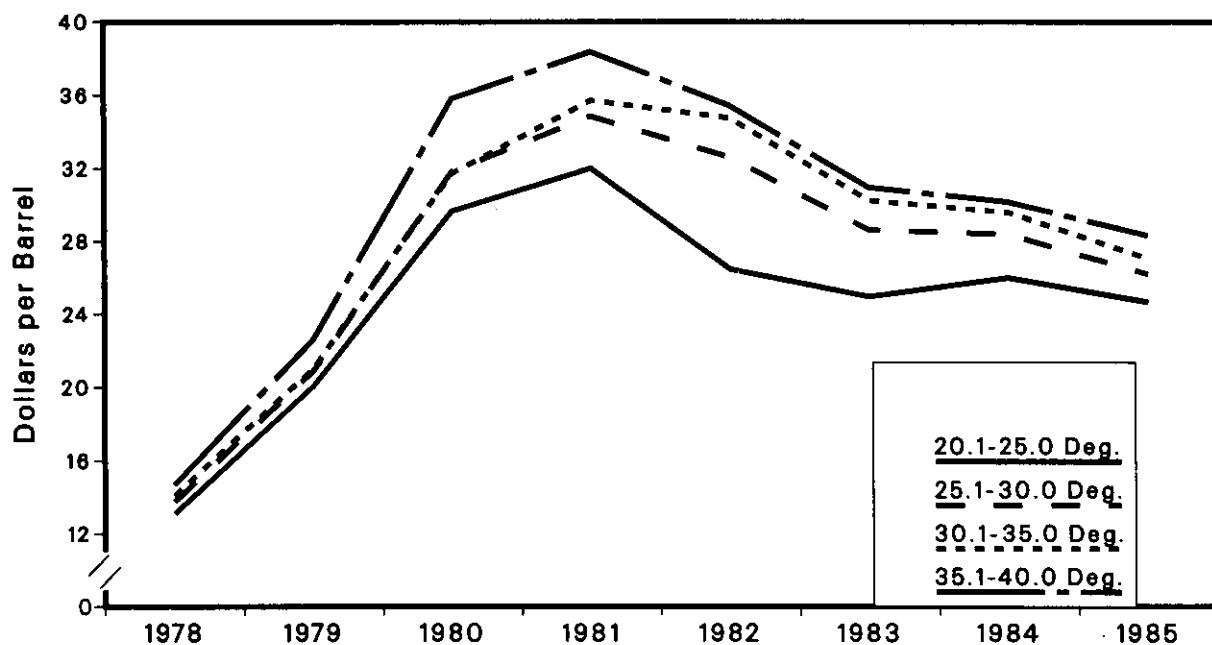
Year	Finished Motor Gasoline	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil	Propane (Consumer Grade)
						No. 2 Fuel Oil	No. 2 Diesel Fuel	Total			
1983 .....	88,500	268	1,985	898	867	17,272	13,919	31,191	335	7,355	9,481
1984 .....	90,141	275	2,404	799	935	18,827	15,668	34,495	606	7,810	9,772
1985 .....	93,754	270	2,779	874	972	19,676	15,821	35,497	439	7,268	10,648

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

Note: Totals may not equal the sum of components due to rounding.

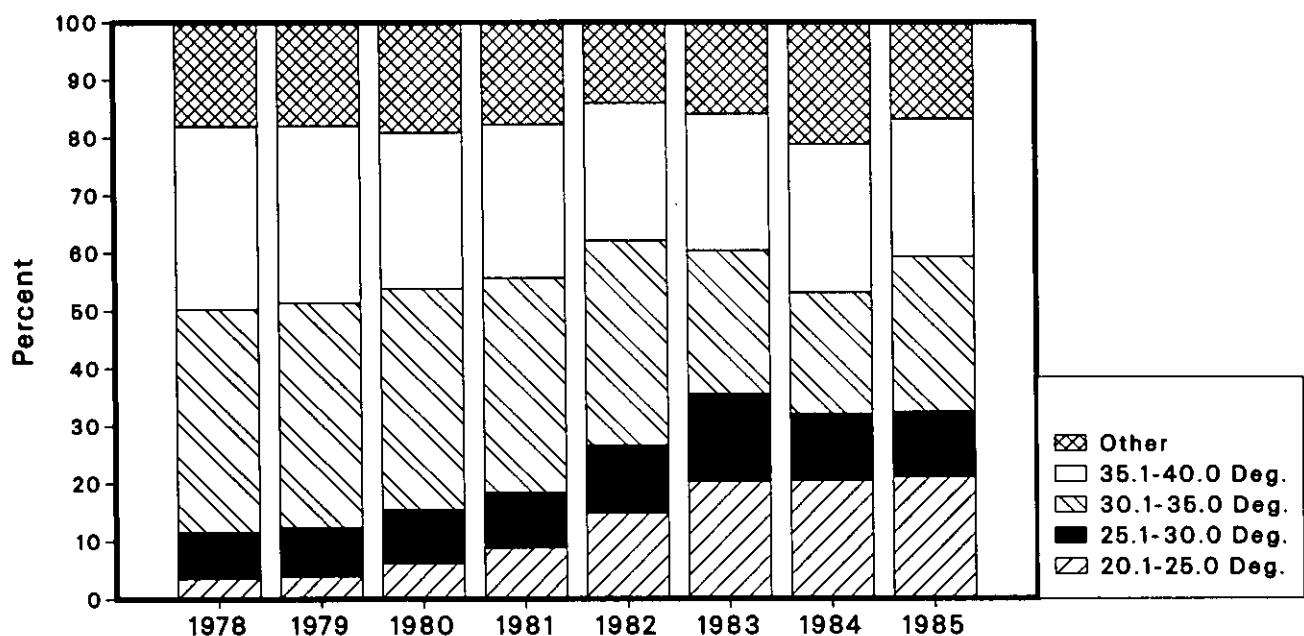
Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 1. Landed Costs of Crude Oil Purchased for U.S. Importation, by API Gravity, 1978-1985**



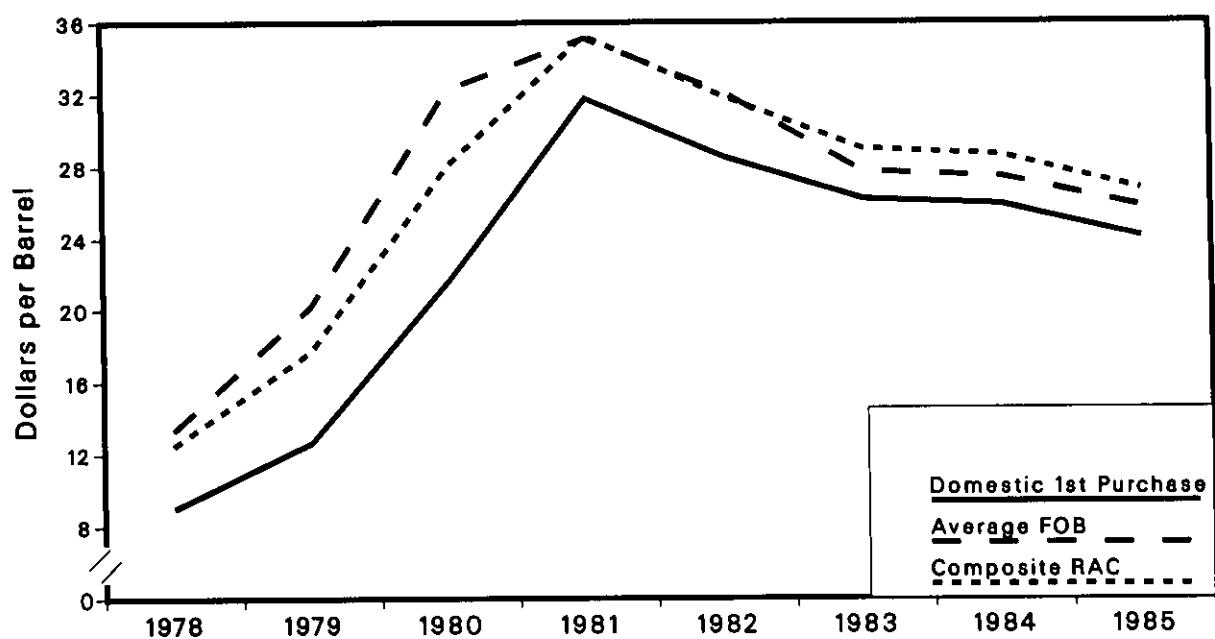
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 11.

**Figure 2. Percent Distribution by API Gravity Band, 1978-1985**



Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 12.

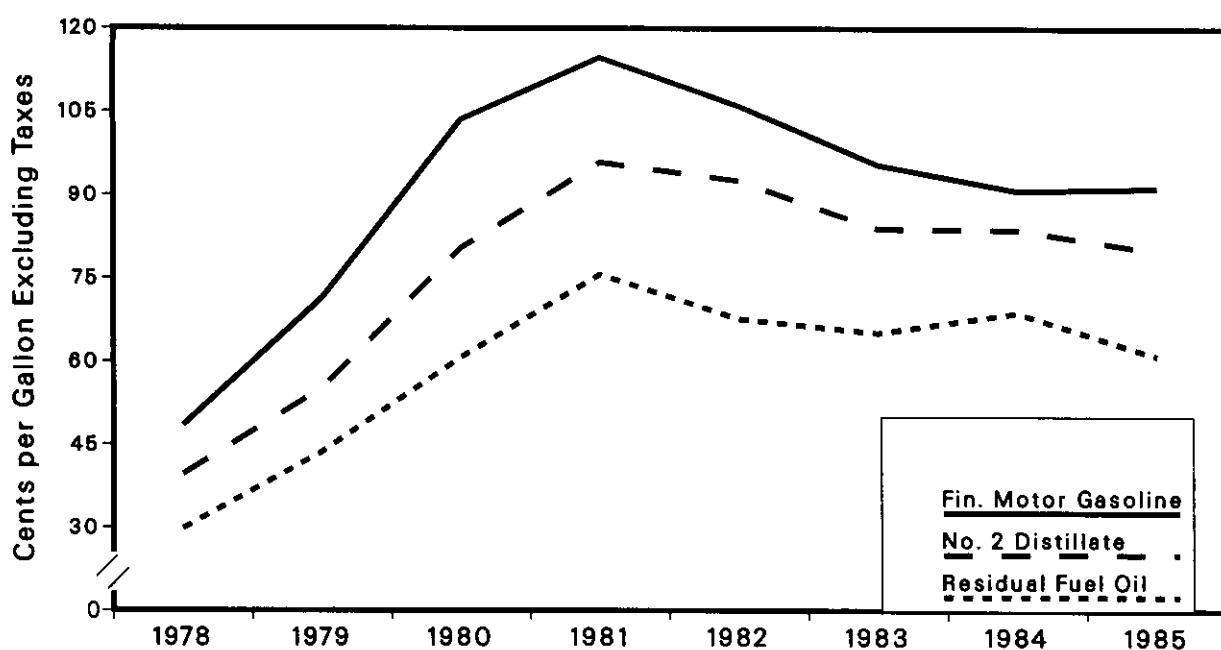
**Figure 3. Crude Oil Prices, 1978-1985**



\*F.O.B. = free on board.

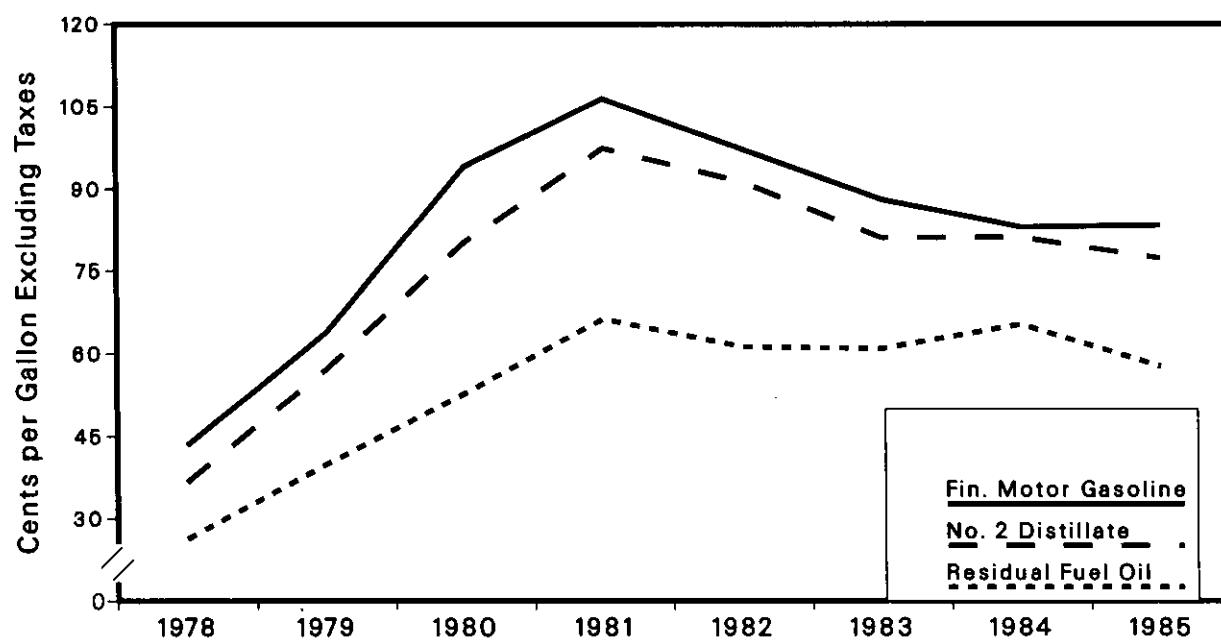
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 1.

**Figure 4. Refiner and Gas Plant Operator Retail Prices,  
1978-1985**



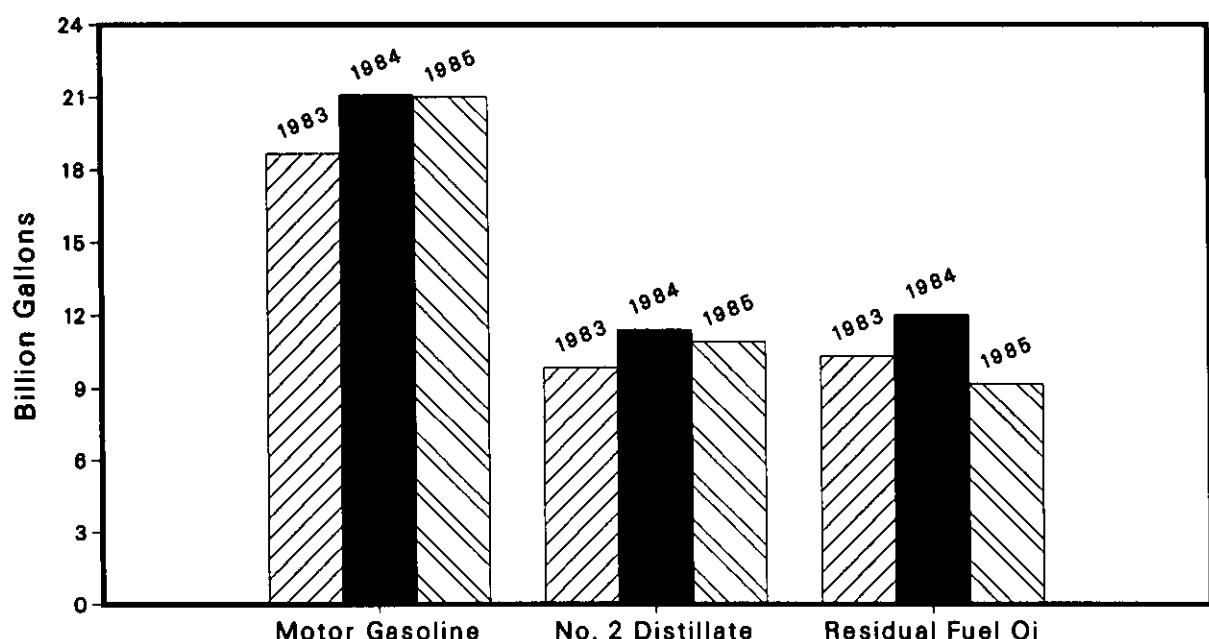
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 2.

**Figure 5. Refiner and Gas Plant Operator Wholesale Prices,  
1978-1985**



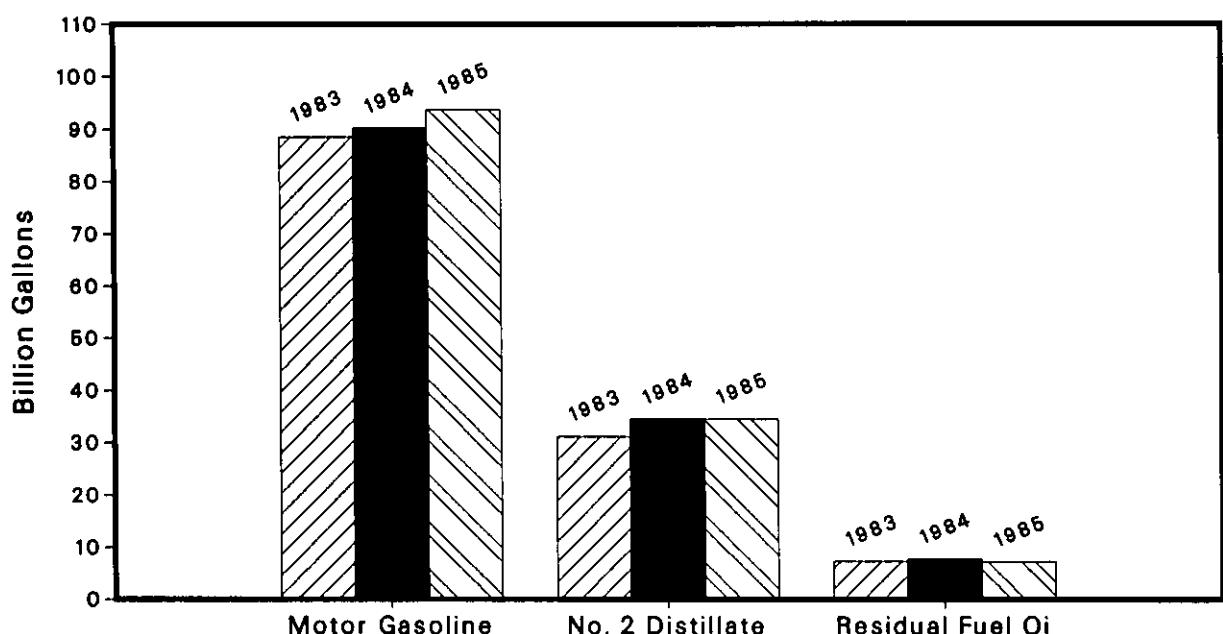
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 4.

**Figure 6. Refiner and Gas Plant Operator Retail Volumes,  
1983-1985**



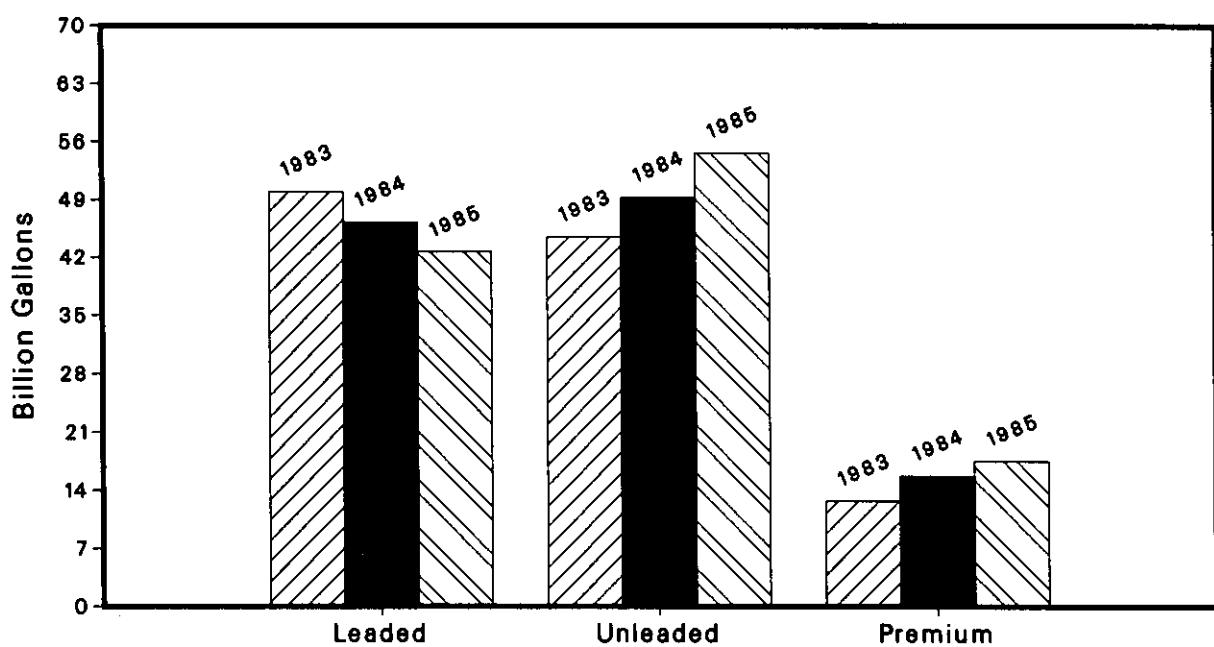
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 3.

**Figure 7. Refiner and Gas Plant Operator Wholesale Volumes,  
1983-1985**



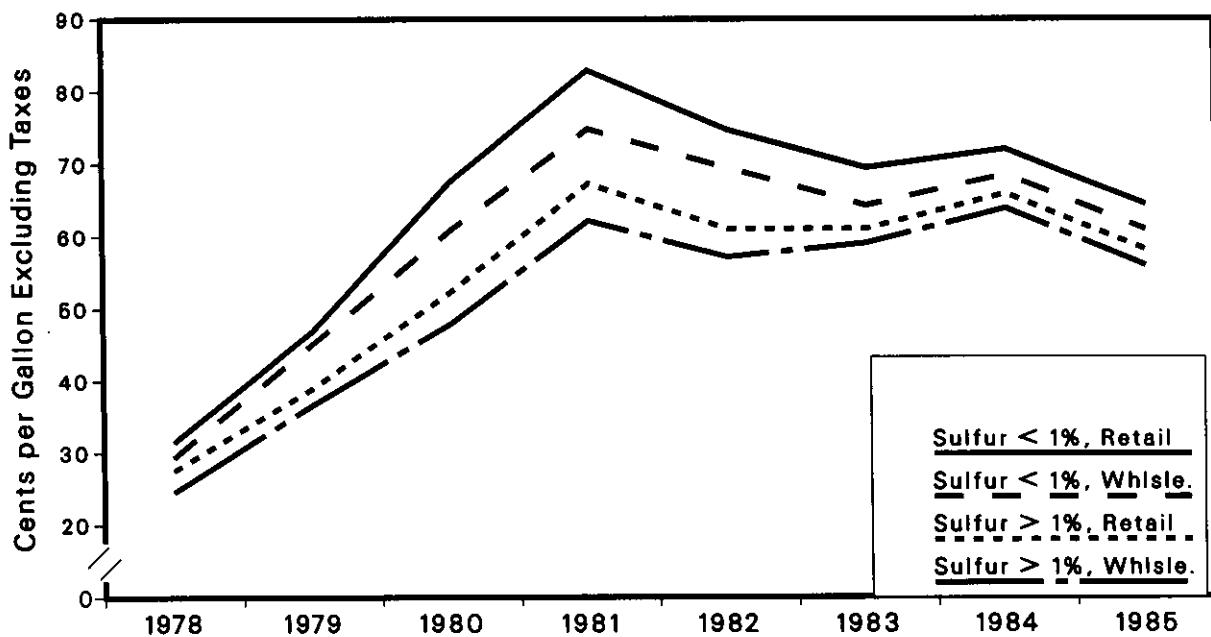
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 5.

**Figure 8. Refiner and Gas Plant Operator Motor Gasoline Sales Volumes by Grade, 1983-1985**



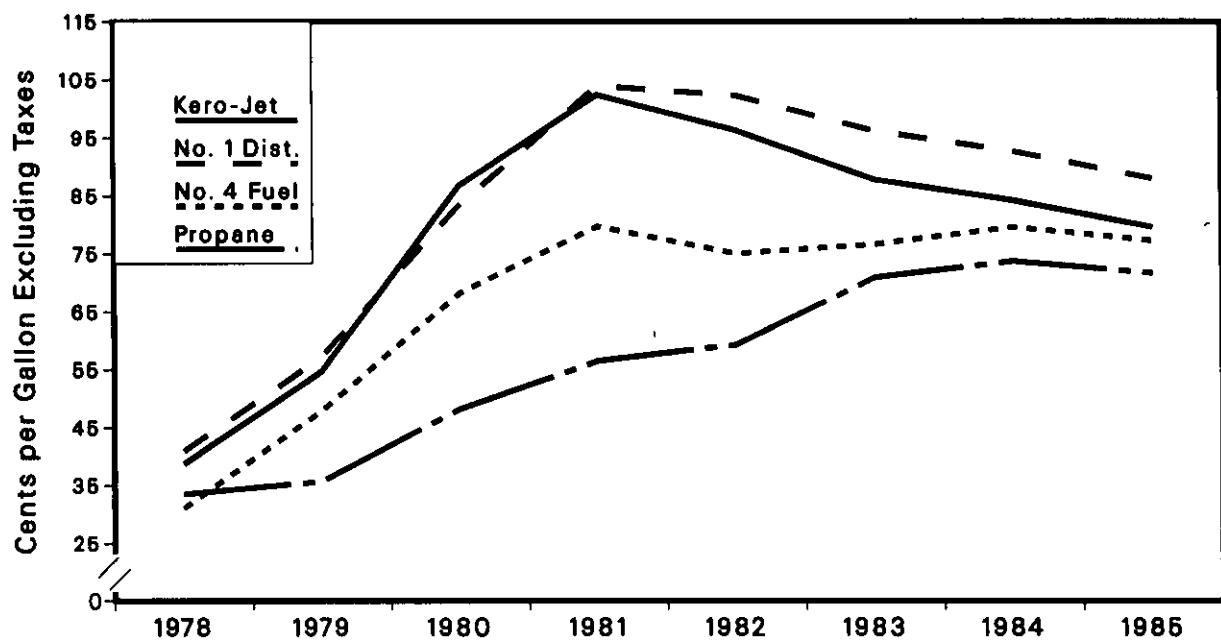
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 34.

**Figure 9. Refiner and Gas Plant Operator Residual Fuel Oil Sales Prices, 1978-1985**



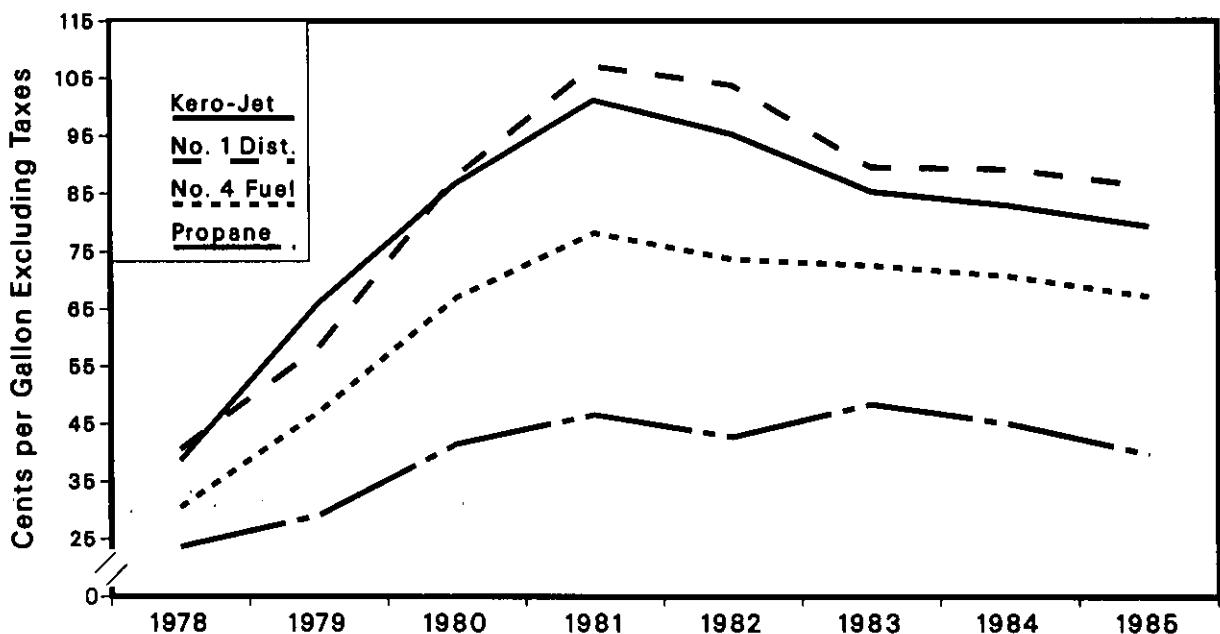
Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 27. Data for 1978-1982: EIA, "Petroleum Marketing Monthly," DOE/EIA-0380(85/12) (Washington, DC, December 1985).

**Figure 10. Retail Prices of Selected Petroleum Products, 1978-1985**



Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 2.

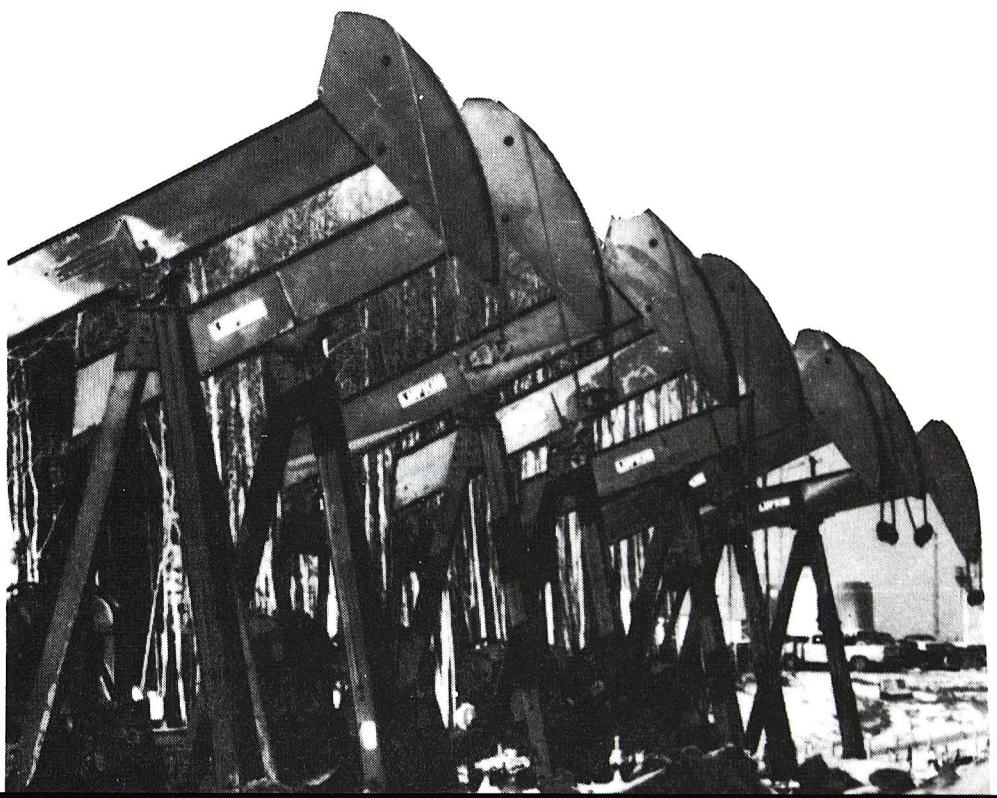
**Figure 11. Wholesale Prices of Selected Petroleum Products, 1978-1985**



Source: Energy Information Administration, "Petroleum Marketing Annual 1985," Volume 1, Table 4.



# **Crude Oil Prices**



A row of horsehead pumps.



**Table 6. Refiner Acquisition Costs of Crude Oil by Type of Refiner, 1978 - 1985**  
(Dollars per Barrel)

Year	Major Refiners			Other Refiners			Average		
	Domestic	Imported	Average	Domestic	Imported	Average	Domestic	Imported	Average
1978 .....	NA	NA	NA	NA	NA	NA	10.61	14.57	12.48
1979 .....	NA	NA	NA	NA	NA	NA	14.27	21.67	17.72
1980 .....	NA	NA	NA	NA	NA	NA	24.23	33.89	28.07
1981 .....	34.25	37.41	35.49	34.54	36.39	34.92	34.33	37.05	35.24
1982 .....	31.07	33.92	31.89	31.72	32.07	31.81	31.22	33.55	31.87
1983 .....	28.67	29.53	28.92	29.42	28.33	29.17	28.87	29.30	28.99
1984 .....	28.42	29.04	28.61	28.90	28.08	28.71	28.53	28.88	28.63
1985 .....	26.66	27.11	26.79	26.66	26.51	26.63	26.66	26.99	26.75

NA = Not Available.

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

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

**Table 7. First Purchase Prices of Domestic Crude Oil by PAD District and Selected States, 1978 - 1985**  
(Dollars per Barrel)

Year	U.S. Average		PAD District I					PAD District II					
	Total U.S.	Less AK North Slope	PAD I Average	NY	PA	WV	PAD II 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
PAD District II (Cont.)				PAD District III									
ND	OH	OK	SD	PAD III Average	Federal Offshore Gulf	AL	AR	LA	MS	NM	TX		
1978 .....	9.75	13.80	11.30	12.16	9.37	9.86	10.52	10.63	9.03	7.91	10.17	9.29	
1979 .....	13.64	22.79	17.53	15.35	12.33	11.23	11.97	14.72	11.42	10.74	14.33	12.65	
1980 .....	26.42	36.64	29.25	28.81	21.24	18.87	20.57	24.17	19.87	20.85	24.06	21.84	
1981 .....	35.63	36.11	35.43	35.55	35.00	35.07	35.80	33.69	35.45	30.47	35.04	35.06	
1982 .....	31.89	30.90	32.04	31.63	31.92	32.61	32.32	30.12	32.44	29.04	31.82	31.77	
1983 .....	29.27	28.14	29.67	29.10	29.45	29.77	30.07	28.28	30.02	26.76	29.26	29.35	
1984 .....	28.39	27.71	29.11	28.96	29.03	29.36	29.39	28.15	29.67	27.26	28.69	28.87	
1985 .....	25.32	25.11	26.28	25.79	26.91	27.33	25.77	25.79	27.22	25.51	26.84	26.80	
PAD District IV					PAD District V								
PAD IV Average	CO	MT	UT	WY	PAD V Average	AK North Slope	AK Other	CA	Federal Offshore CA				
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			

W = Withheld to avoid disclosure of individual company data.

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

Source: January 1978 through December 1982: Form ERA-182, "Domestic Crude Oil First Purchase Report"; January 1983 to present: Form EIA-182, "Domestic Crude Oil First Purchase Report."

**Table 8. FOB<sup>a</sup> Costs of Crude Oil Purchases for U.S. Importation from Selected Countries, 1978 - 1985**  
(Dollars per Barrel)

Year	Selected Countries									OPEC	
	Algeria	Indonesia	Iran	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Other Countries	Arab OPEC <sup>b</sup>	Total OPEC <sup>c</sup>
1978 .....	14.10	13.64	12.65	13.24	14.04	12.70	13.82	12.45	13.35	13.28	13.30
1979 .....	20.85	19.35	23.71	20.29	21.80	17.63	21.20	17.37	21.43	19.25	19.91
1980 .....	36.57	32.37	-	31.11	35.82	28.53	34.58	24.78	34.24	31.61	32.25
1981 .....	39.09	35.93	-	33.13	38.53	32.48	36.08	28.86	36.69	34.73	35.11
1982 .....	34.23	35.27	30.93	28.07	35.13	33.50	33.46	23.77	31.96	33.84	33.45
1983 .....	30.06	29.93	28.25	25.19	29.78	28.03	29.84	21.48	27.86	28.38	28.45
1984 .....	28.04	29.10	26.83	26.37	29.39	27.80	28.80	24.16	27.65	27.68	27.59
1985 .....	26.84	27.12	W	25.33	28.04	22.04	27.83	23.64	28.11	24.30	25.66

<sup>a</sup> FOB = Free on board. See Glossary.

<sup>b</sup> Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

<sup>c</sup> Includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.  
Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of loading.

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

**Table 9. Landed Costs of Crude Oil Purchases for U.S. Importation from Selected Countries, 1978 - 1985**  
(Dollars per Barrel)

Year	Selected Countries									OPEC		
	Algeria	Canada	Indonesia	Iran	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Other Countries	Arab OPEC <sup>a</sup>	Total OPEC <sup>b</sup>
1978 .....	14.91	14.50	14.64	13.88	13.54	14.86	13.92	-	12.83	14.58	14.38	14.34
1979 .....	21.90	20.43	20.69	25.02	20.86	22.96	19.15	22.16	18.18	23.18	20.79	21.29
1980 .....	37.90	30.47	33.92	-	31.80	37.05	30.02	35.88	25.86	36.02	32.97	33.56
1981 .....	40.49	32.18	37.57	-	33.78	39.70	34.19	37.24	29.87	38.54	36.22	36.60
1982 .....	35.28	26.82	36.75	32.40	28.64	36.17	35.00	34.28	24.82	34.03	35.15	34.81
1983 .....	31.26	25.63	31.57	29.81	25.78	30.84	29.76	30.87	22.94	29.68	30.03	29.87
1984 .....	29.08	26.59	30.84	28.67	26.87	30.50	29.50	29.60	25.15	29.20	29.12	28.93
1985 .....	27.46	25.71	28.67	25.79	25.63	28.96	24.72	28.35	24.43	27.33	25.88	26.85

<sup>a</sup> Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

<sup>b</sup> Includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.  
Dashes (-) = No data reported.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of loading.

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

**Table 10. FOB<sup>a</sup> Costs of Crude Oil Purchases for U.S. Importation by API Gravity, 1978 - 1985**  
(Dollars per Barrel)

Year	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	33.58	34.29	34.82	34.48
1983 .....	21.77	24.27	27.98	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

\* FOB = Free on board. See Glossary.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of loading.

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

**Table 11. Landed Costs of Crude Oil Purchases for U.S. Importation by API Gravity, 1978 - 1985**  
(Dollars per Barrel)

Year	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

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of loading.

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

**Table 12. Percentages of Total Purchases for U.S. Importation  
by API Gravity, 1978 - 1985**  
(Percent by Interval)

Year	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	13.38	2.98
1980 .....	1.70	6.18	9.25	38.43	27.02	13.56	3.85
1981 .....	2.19	8.88	9.46	37.37	28.60	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

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of loading.

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

**Table 13. FOB<sup>a</sup> Costs of Crude Oil Purchases for U.S. Importation  
for Selected Crude Streams, 1978 - 1985**  
(Dollars per Barrel)

Year	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 .....	W	13.32	-	W	12.87	13.24	-
1979 .....	W	20.35	-	W	27.59	20.29	21.50
1980 .....	35.81	33.24	W	35.92	34.51	32.78	28.73
1981 .....	38.38	35.55	W	37.51	32.66	36.23	30.82
1982 .....	32.58	31.86	W	33.73	32.36	32.50	25.29
1983 .....	29.86	28.14	24.54	29.03	28.22	29.41	23.99
1984 .....	27.77	27.58	24.70	28.56	28.16	29.00	25.35
1985 .....	26.57	26.30	23.79	26.86	26.12	27.25	24.23
	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 .....	14.17	14.11	13.91	12.74	12.07	-	W
1979 .....	21.89	25.68	21.36	17.33	15.83	21.92	W
1980 .....	35.57	37.71	35.86	27.79	26.14	33.13	18.56
1981 .....	38.64	38.19	37.72	32.62	31.42	36.22	W
1982 .....	35.18	35.58	34.04	34.08	31.10	33.55	19.00
1983 .....	30.31	30.07	29.73	29.22	26.30	30.30	19.31
1984 .....	29.82	29.67	29.17	29.11	26.52	29.25	22.24
1985 .....	28.23	W	W	23.70	W	27.88	21.94

\* FOB = Free on board. See Glossary.

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of loading.

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

**Table 14. Landed Costs of Crude Oil Purchases for U.S. Importation  
for Selected Crude Streams, 1978 - 1985**  
(Dollars per Barrel)

Year	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 .....	W	14.07	-	W	13.85	13.54	-
1979 .....	W	21.51	-	25.40	29.17	20.78	22.23
1980 .....	37.73	34.68	W	37.89	34.61	33.42	29.49
1981 .....	40.03	36.84	W	38.95	33.56	36.87	31.52
1982 .....	33.71	33.08	W	34.95	32.97	33.11	25.86
1983 .....	30.79	29.31	25.27	30.28	28.90	30.00	24.56
1984 .....	28.59	28.63	25.35	29.51	28.79	29.46	25.84
1985 .....	27.21	27.48	24.38	27.94	26.97	27.60	24.57
	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 .....	14.97	15.04	14.68	14.04	13.32	-	W
1979 .....	23.19	27.11	22.84	19.18	17.68	23.26	W
1980 .....	37.02	38.58	36.91	29.57	28.16	34.57	20.34
1981 .....	40.01	39.25	38.70	34.32	33.02	37.58	W
1982 .....	36.26	36.45	34.70	35.65	32.64	34.53	20.32
1983 .....	31.44	31.06	30.79	30.95	28.12	31.26	20.69
1984 .....	30.71	30.46	29.99	30.61	28.10	29.89	23.20
1985 .....	29.14	28.98	28.16	25.35	23.69	28.49	22.85

Dashes (-) = No data reported.

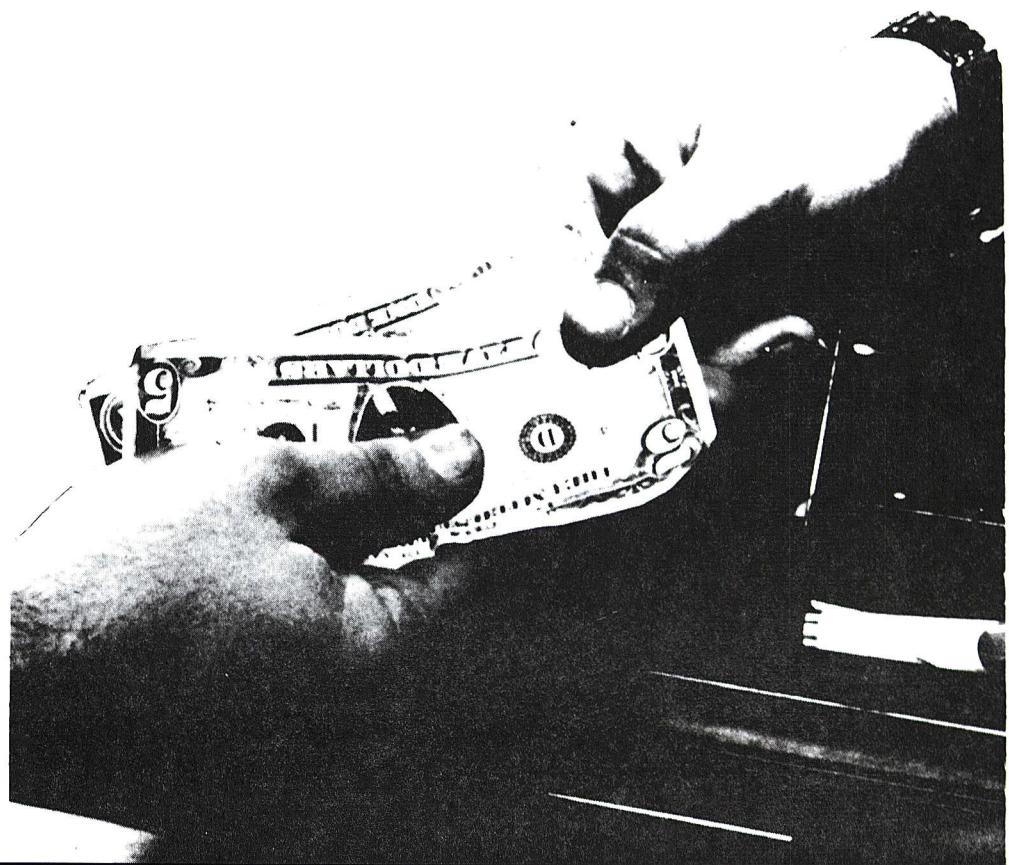
W = Withheld to avoid disclosure of individual company data.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of loading.

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



# **Sales Prices of Petroleum Products**



Payment for gasoline at  
retail outlet.



**Table 15. Refiner and Gas Plant Operator Sales Prices of Finished Motor Gasoline by Type of Seller, 1978 - 1985**  
 (Cents per Gallon Excluding Taxes)

Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
1978 .....	49.4	46.2	43.8	48.2	45.8	42.1	48.9	46.1	43.4
1979 .....	72.8	68.0	64.3	71.0	67.5	61.8	72.1	67.9	63.7
1980 .....	105.6	98.7	95.1	103.0	97.8	91.3	104.6	98.5	94.1
1981 .....	117.0	109.4	107.5	114.2	108.4	103.2	115.9	109.2	106.4
1982 .....	108.2	101.1	98.3	105.6	100.2	94.3	107.2	100.9	97.3
1983 .....	97.0	90.6	89.0	95.2	89.7	85.8	96.4	90.5	88.2
1984 .....	92.0	85.7	84.2	90.0	84.9	80.2	91.4	85.6	83.2
1985 .....	93.0	85.7	84.7	89.8	83.5	79.9	92.1	85.2	83.5

\* Sales through company-operated retail outlets.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates 1978 through 1982.

**Table 16. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>U.S. Average</b>												
1983 .....	97.0	90.6	89.0	95.2	89.7	85.6	96.4	90.5	88.2	NA	NA	NA
1984 .....	92.0	85.7	84.2	90.0	84.9	80.2	91.4	85.6	83.2	92.6	91.8	85.4
1985 .....	93.0	85.7	84.7	89.8	83.5	79.9	92.1	85.2	83.5	92.8	91.7	86.0
<b>PAD District I Average</b>												
1983 .....	97.2	91.2	89.9	98.4	89.1	86.3	97.0	91.1	89.6	NA	NA	NA
1984 .....	91.8	85.0	84.4	90.6	83.7	80.6	91.5	84.8	84.0	91.7	91.0	84.8
1985 .....	93.8	85.1	85.8	92.0	83.7	79.8	93.4	84.7	84.9	93.3	90.8	85.9
<b>Subdistrict IA Average</b>												
1983 .....	97.8	92.5	91.8	W	W	85.7	97.8	92.5	91.7	NA	NA	NA
1984 .....	90.4	85.4	85.4	W	83.0	80.3	90.5	85.1	84.9	95.1	90.9	87.0
1985 .....	94.0	86.0	87.8	W	83.2	82.0	93.9	85.4	87.2	96.8	92.5	89.3
<b>Connecticut</b>												
1983 .....	100.3	92.2	81.9	W	NA	W	98.6	92.2	91.9	NA	NA	NA
1984 .....	90.6	85.8	85.8	W	81.4	82.5	90.5	85.7	85.6	94.6	89.5	85.9
1985 .....	93.4	86.0	88.3	W	83.3	82.6	92.7	85.8	87.9	95.5	92.1	90.1
<b>Maine</b>												
1983 .....	98.2	93.2	90.5	-	W	W	98.2	93.1	90.5	NA	NA	NA
1984 .....	90.0	86.9	83.5	W	W	W	90.2	86.2	83.3	96.6	93.6	88.2
1985 .....	W	87.4	85.6	W	W	W	W	86.7	85.4	99.5	94.2	90.9
<b>Massachusetts</b>												
1983 .....	97.6	92.6	91.9	W	-	84.8	97.6	92.6	91.7	NA	NA	NA
1984 .....	90.7	84.9	85.6	W	W	78.5	90.7	84.5	84.9	93.5	91.6	84.9
1985 .....	94.8	86.2	88.0	W	82.4	81.2	94.8	85.0	87.2	95.2	91.8	85.0
<b>New Hampshire</b>												
1983 .....	97.4	93.4	93.0	-	-	W	97.4	93.4	93.0	NA	NA	NA
1984 .....	89.9	85.0	86.3	W	W	80.6	90.1	84.9	85.6	98.0	91.7	91.6
1985 .....	92.8	86.2	88.7	W	W	82.4	92.8	85.7	87.8	99.5	94.3	92.5
<b>Rhode Island</b>												
1983 .....	98.1	92.1	91.3	-	-	-	98.1	92.1	91.3	NA	NA	NA
1984 .....	88.6	84.5	84.7	W	W	W	88.7	84.6	84.6	94.1	88.6	85.6
1985 .....	92.3	83.0	86.9	W	W	W	92.2	83.1	86.7	96.0	88.5	87.6
<b>Vermont</b>												
1983 .....	104.2	95.2	94.5	-	-	W	104.2	95.2	94.4	NA	NA	NA
1984 .....	98.7	89.9	86.5	W	W	81.8	97.0	89.3	86.1	98.2	92.3	93.0
1985 .....	W	90.0	89.6	W	W	83.5	97.2	89.3	89.0	98.5	93.8	93.9
<b>Subdistrict IB Average</b>												
1983 .....	96.9	91.2	89.5	98.7	88.7	86.4	97.2	91.1	89.4	NA	NA	NA
1984 .....	91.5	85.8	84.4	90.1	84.2	80.6	91.2	85.5	84.2	92.3	91.0	82.4
1985 .....	93.7	86.6	86.5	90.4	84.2	78.8	92.9	85.8	85.4	93.9	90.3	83.8
<b>Delaware</b>												
1983 .....	98.7	88.2	85.3	-	-	W	98.7	88.2	85.3	NA	NA	NA
1984 .....	92.0	83.4	80.0	-	-	W	92.0	83.4	80.0	89.9	88.7	86.1
1985 .....	97.4	85.7	85.7	-	-	W	97.4	85.7	85.7	91.7	92.1	89.5
<b>District of Columbia</b>												
1983 .....	W	91.2	93.2	-	-	-	W	91.2	93.2	NA	NA	NA
1984 .....	W	86.3	89.7	-	-	-	W	86.3	89.7	W	W	W
1985 .....	-	86.3	90.9	-	-	W	-	86.3	90.9	-	89.7	W

See footnotes at end of table.

**Table 16. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
(Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Maryland</b>												
1983 .....	94.5	89.7	90.2	W	W	88.8	96.9	89.7	90.1	NA	NA	NA
1984 .....	W	85.3	85.9	W	W	83.7	90.1	85.2	85.7	93.9	93.9	88.8
1985 .....	W	87.6	87.4	W	W	84.3	W	87.8	87.1	92.7	93.5	87.0
<b>New Jersey</b>												
1983 .....	96.9	91.0	88.9	W	W	84.0	96.9	91.0	88.6	NA	NA	NA
1984 .....	91.5	85.3	83.1	W	W	78.0	91.4	85.2	82.8	97.7	91.7	79.2
1985 .....	95.2	84.9	85.9	W	81.6	77.4	95.0	84.5	83.8	99.1	90.6	84.8
<b>New York</b>												
1983 .....	98.7	94.1	93.5	100.2	89.4	88.3	99.0	94.0	93.3	NA	NA	NA
1984 .....	92.5	87.6	87.3	90.8	84.6	81.1	91.9	86.7	86.9	93.3	93.4	84.5
1985 .....	94.0	87.2	88.6	91.3	84.9	82.6	93.0	86.1	88.2	94.8	89.9	82.1
<b>Pennsylvania</b>												
1983 .....	95.4	88.4	86.7	97.4	W	86.5	95.7	88.4	86.7	NA	NA	NA
1984 .....	90.9	85.0	82.8	88.9	84.1	81.1	90.5	84.8	82.7	89.4	88.2	85.0
1985 .....	92.5	85.4	84.7	89.3	83.9	81.0	91.7	84.4	84.4	91.7	89.5	85.7
<b>Subdistrict IC Average</b>												
1983 .....	97.4	90.5	89.8	95.2	89.9	86.4	96.7	90.4	89.2	NA	NA	NA
1984 .....	92.4	83.8	84.0	90.9	83.0	80.6	92.0	83.7	83.5	90.7	91.1	87.1
1985 .....	93.9	83.0	84.3	93.3	82.6	80.4	93.8	83.0	83.7	92.0	91.1	87.5
<b>Florida</b>												
1983 .....	98.4	90.5	91.1	94.8	91.4	86.3	97.2	90.5	90.2	NA	NA	NA
1984 .....	93.3	83.9	85.5	91.8	W	81.1	92.9	83.6	84.7	91.1	91.3	86.2
1985 .....	94.6	83.5	85.9	92.8	W	80.5	94.3	83.2	84.9	91.1	90.4	89.2
<b>Georgia</b>												
1983 .....	96.6	92.9	88.8	95.6	85.8	86.2	96.2	92.9	88.3	NA	NA	NA
1984 .....	91.1	85.2	82.6	90.3	82.6	80.4	90.8	84.9	82.1	87.9	92.5	88.5
1985 .....	93.6	83.3	83.1	91.4	82.0	80.3	93.0	83.1	82.6	92.1	92.8	87.7
<b>North Carolina</b>												
1983 .....	95.6	87.8	88.5	94.1	NA	86.2	95.1	87.8	88.1	NA	NA	NA
1984 .....	90.9	80.7	82.3	90.2	81.3	80.0	90.7	80.7	82.0	90.3	90.0	88.3
1985 .....	91.5	79.8	82.5	93.9	76.2	80.2	92.0	79.8	82.2	92.0	91.4	87.2
<b>South Carolina</b>												
1983 .....	95.9	89.6	88.7	93.7	W	86.5	95.1	89.6	88.4	NA	NA	NA
1984 .....	89.0	82.5	82.9	87.5	W	79.8	88.5	82.4	82.4	89.8	89.7	86.1
1985 .....	89.0	82.5	83.0	86.7	W	79.5	88.8	82.3	82.4	91.3	88.7	85.8
<b>Virginia</b>												
1983 .....	96.9	90.8	90.3	96.9	W	86.6	96.9	90.7	89.8	NA	NA	NA
1984 .....	93.1	84.7	84.9	91.9	W	80.5	92.9	84.5	84.4	93.4	90.5	87.5
1985 .....	95.9	83.5	85.1	100.0	81.6	80.7	96.7	83.2	84.5	92.7	89.2	87.4
<b>West Virginia</b>												
1983 .....	99.0	96.2	89.9	98.1	W	88.5	99.0	94.8	89.7	NA	NA	NA
1984 .....	94.8	91.4	88.3	91.0	W	82.9	94.6	90.0	86.0	95.3	91.7	89.8
1985 .....	95.7	91.7	85.6	90.4	W	82.9	95.5	89.7	85.4	95.0	92.4	88.4
<b>PAD District II Average</b>												
1983 .....	96.9	92.7	90.0	96.0	89.1	87.0	96.5	92.6	89.3	NA	NA	NA
1984 .....	92.1	87.7	84.3	89.4	81.3	80.9	91.2	87.4	83.4	92.9	92.8	85.8
1985 .....	93.0	87.0	84.4	89.7	81.6	81.0	91.9	86.8	83.5	93.0	93.2	86.7

See footnotes at end of table.

**Table 16. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
(Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Illinois</b>												
1983 .....	95.2	91.0	89.8	99.3	W	86.2	96.9	91.0	89.8	NA	NA	NA
1984 .....	90.7	85.7	84.1	87.9	W	81.0	89.8	85.6	83.9	92.5	94.0	84.8
1985 .....	92.3	83.6	84.7	89.6	W	81.2	91.5	83.4	84.5	94.1	94.2	86.6
<b>Indiana</b>												
1983 .....	93.3	90.1	90.2	96.8	W	87.5	95.2	89.9	89.7	NA	NA	NA
1984 .....	89.2	82.4	84.6	89.1	W	80.9	89.2	82.1	83.9	95.5	93.4	86.7
1985 .....	90.0	83.8	83.4	88.3	W	80.4	89.2	83.4	82.7	94.0	92.2	87.8
<b>Iowa</b>												
1983 .....	96.9	91.0	90.8	98.7	W	87.6	98.0	90.9	89.9	NA	NA	NA
1984 .....	93.6	82.9	84.5	95.3	W	81.4	94.8	82.5	83.4	94.9	94.5	86.2
1985 .....	94.7	83.2	84.8	96.0	W	82.1	95.5	83.3	83.8	94.4	93.3	87.3
<b>Kansas</b>												
1983 .....	85.2	91.4	88.1	96.0	W	85.3	95.7	91.4	86.3	NA	NA	NA
1984 .....	93.7	82.5	83.3	94.1	W	79.1	94.1	81.9	80.2	93.3	91.3	84.1
1985 .....	96.6	76.9	84.0	96.0	85.7	79.2	96.1	77.6	80.6	94.0	93.2	84.6
<b>Kentucky</b>												
1983 .....	96.3	93.6	90.2	90.5	86.2	87.3	94.3	93.5	89.9	NA	NA	NA
1984 .....	92.4	88.6	85.6	85.1	W	82.4	90.1	88.6	85.4	92.4	93.0	85.3
1985 .....	93.5	87.9	85.8	85.1	W	82.2	91.1	87.8	85.6	94.3	90.5	86.5
<b>Michigan</b>												
1983 .....	94.5	94.7	91.2	97.5	W	89.3	96.1	94.7	90.9	NA	NA	NA
1984 .....	90.0	89.5	85.7	90.3	W	82.9	90.1	89.5	85.2	92.7	94.0	85.5
1985 .....	90.1	87.9	85.2	89.5	W	81.9	89.8	87.8	84.6	92.7	94.8	88.2
<b>Minnesota</b>												
1983 .....	96.1	91.6	90.9	97.0	87.7	87.9	96.3	91.2	89.7	NA	NA	NA
1984 .....	91.5	85.8	85.3	91.5	81.9	82.1	91.5	85.2	84.0	93.2	92.0	86.0
1985 .....	95.9	86.5	87.2	94.9	W	83.4	95.7	86.0	85.7	94.9	92.6	87.3
<b>Missouri</b>												
1983 .....	95.4	90.4	89.2	94.2	W	86.6	94.6	90.4	88.4	NA	NA	NA
1984 .....	91.0	85.6	83.8	89.3	W	80.5	90.0	85.5	82.6	92.2	91.1	85.4
1985 .....	91.9	84.5	84.2	90.5	W	80.9	91.1	84.3	83.1	90.6	93.6	86.4
<b>Nebraska</b>												
1983 .....	97.2	92.4	89.5	98.8	W	87.8	97.9	92.4	88.9	NA	NA	NA
1984 .....	96.1	82.9	83.6	95.2	W	81.5	95.4	82.9	82.6	95.9	91.7	88.0
1985 .....	W	84.0	84.6	96.1	-	82.3	96.2	84.0	83.5	97.0	90.9	88.1
<b>North Dakota</b>												
1983 .....	104.4	92.9	90.8	W	W	88.2	103.7	92.8	89.8	NA	NA	NA
1984 .....	97.4	85.8	85.0	W	W	82.8	97.0	85.7	84.1	98.3	97.4	84.5
1985 .....	W	87.6	85.6	W	W	82.8	98.6	87.5	84.4	99.3	100.1	84.5
<b>Ohio</b>												
1983 .....	98.6	94.0	90.8	95.1	W	88.3	98.1	93.9	90.5	NA	NA	NA
1984 .....	93.6	89.3	85.0	87.3	83.4	81.8	92.8	89.2	84.7	89.4	90.7	84.9
1985 .....	94.1	88.5	84.5	87.1	82.3	81.1	93.4	88.3	84.1	89.5	90.0	84.2
<b>Oklahoma</b>												
1983 .....	96.0	87.3	86.9	93.2	NA	86.1	95.2	87.4	86.6	NA	NA	NA
1984 .....	92.8	81.2	80.9	87.0	80.6	80.3	90.7	81.2	80.6	93.7	90.9	84.7
1985 .....	93.1	81.4	80.6	87.5	80.3	80.1	91.1	81.3	80.4	94.0	90.8	86.0

See footnotes at end of table.

**Table 16. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>South Dakota</b>												
1983 .....	W	93.9	90.7	99.7	W	88.6	98.4	93.9	89.7	NA	NA	NA
1984 .....	W	86.2	84.7	95.5	-	82.4	94.6	86.2	83.5	98.2	95.7	84.0
1985 .....	W	W	85.4	92.9	-	82.7	93.8	W	84.0	96.6	96.7	85.6
<b>Tennessee</b>												
1983 .....	99.5	89.8	89.3	94.0	86.1	86.2	95.9	88.9	88.5	NA	NA	NA
1984 .....	93.4	84.6	83.1	85.5	W	79.6	90.1	83.0	82.3	91.3	88.3	88.9
1985 .....	93.9	84.3	83.5	84.8	W	79.6	90.2	82.9	82.7	90.3	90.0	90.1
<b>Wisconsin</b>												
1983 .....	95.3	92.1	90.4	95.8	86.9	87.8	95.5	91.9	89.5	NA	NA	NA
1984 .....	91.7	86.8	84.3	90.5	W	82.1	91.3	86.1	83.6	93.6	93.6	84.5
1985 .....	91.7	85.3	84.6	90.6	81.9	82.5	91.3	84.9	83.9	93.5	93.0	84.0
<b>PAD District III Average</b>												
1983 .....	98.4	86.3	87.5	93.0	85.9	84.4	98.3	86.2	86.1	NA	NA	NA
1984 .....	93.2	80.7	82.0	89.6	81.9	79.0	92.0	80.9	80.7	92.6	90.0	84.6
1985 .....	92.7	81.1	81.2	87.8	81.1	78.4	91.2	81.1	80.1	92.0	90.5	85.2
<b>Alabama</b>												
1983 .....	96.3	82.6	89.0	93.5	89.2	85.3	94.7	92.2	87.6	NA	NA	NA
1984 .....	92.2	84.5	82.7	89.7	83.5	79.8	91.0	84.4	81.7	91.6	90.1	89.9
1985 .....	93.0	84.7	82.6	91.9	80.8	79.1	92.5	84.5	81.8	94.0	90.1	88.4
<b>Arkansas</b>												
1983 .....	102.2	88.8	88.3	86.7	90.5	86.3	93.1	90.0	87.5	NA	NA	NA
1984 .....	94.6	83.2	82.6	W	86.0	79.8	88.4	84.5	81.5	89.6	89.6	86.0
1985 .....	94.5	83.1	82.3	W	85.2	79.8	88.6	84.0	81.4	89.3	89.7	86.3
<b>Louisiana</b>												
1983 .....	99.6	88.1	88.5	92.7	91.3	85.1	97.2	88.5	87.3	NA	NA	NA
1984 .....	92.9	77.6	82.8	88.5	86.1	79.1	91.4	78.2	81.6	97.5	89.0	89.3
1985 .....	92.8	78.5	81.8	90.5	82.5	78.9	92.1	79.3	80.8	92.6	87.6	89.0
<b>Mississippi</b>												
1983 .....	99.6	87.2	87.3	90.8	86.9	85.2	94.5	87.1	86.8	NA	NA	NA
1984 .....	91.3	82.5	81.2	90.9	81.4	79.0	91.0	82.4	80.7	94.0	94.4	88.4
1985 .....	91.8	74.9	80.9	90.9	77.2	78.8	91.4	75.1	80.4	94.1	90.4	87.8
<b>New Mexico</b>												
1983 .....	96.4	90.6	87.9	96.1	88.0	87.8	96.1	89.8	87.9	NA	NA	NA
1984 .....	93.2	85.4	84.5	94.5	W	83.7	94.0	85.5	84.1	95.7	95.1	91.2
1985 .....	94.3	87.5	86.3	94.2	W	85.4	94.3	87.6	85.8	96.3	96.4	92.0
<b>Texas</b>												
1983 .....	98.2	85.1	86.9	93.2	84.4	83.9	98.5	85.1	85.3	NA	NA	NA
1984 .....	93.3	81.2	81.6	89.9	80.5	78.4	92.2	81.1	80.2	91.2	88.8	80.7
1985 .....	92.6	82.3	80.5	86.4	80.9	77.7	90.9	81.7	79.2	91.0	91.4	81.8
<b>PAD District IV Average</b>												
1983 .....	94.3	89.6	87.0	95.2	88.1	86.2	94.8	89.1	88.6	NA	NA	NA
1984 .....	90.3	83.9	82.0	92.7	81.2	80.7	91.2	83.5	81.5	91.7	91.2	87.1
1985 .....	93.9	83.3	82.8	93.8	W	80.9	93.9	83.2	82.0	92.7	90.4	86.9
<b>Colorado</b>												
1983 .....	94.4	89.5	87.9	94.7	NA	86.1	94.6	89.5	87.1	NA	NA	NA
1984 .....	90.2	82.7	81.7	82.8	81.2	79.9	91.4	82.6	80.9	89.8	87.9	86.7
1985 .....	95.8	83.4	83.8	94.0	W	80.9	95.1	83.3	82.5	93.4	90.6	89.7

See footnotes at end of table.

**Table 16. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users	
<b>Idaho</b>												
1983 .....	95.8	90.2	86.5	97.0	87.4	87.3	96.7	90.1	86.8	NA	NA	NA
1984 .....	92.9	86.9	84.4	94.1	W	83.1	93.3	86.8	83.9	94.7	92.8	87.8
1985 .....	93.0	84.0	82.7	92.7	W	82.4	92.9	83.9	82.6	93.6	90.0	85.9
<b>Montana</b>												
1983 .....	W	89.1	85.6	95.5	W	85.2	95.2	87.5	85.4	NA	NA	NA
1984 .....	W	82.7	80.1	90.3	W	80.1	89.9	82.7	80.1	92.9	93.7	85.9
1985 .....	W	82.7	80.5	W	W	79.9	90.6	82.9	80.2	92.9	92.6	85.2
<b>Utah</b>												
1983 .....	W	89.5	86.2	95.3	86.2	86.0	93.9	89.3	86.1	NA	NA	NA
1984 .....	90.2	84.0	82.3	90.3	W	81.2	90.2	83.8	81.7	90.1	86.1	85.1
1985 .....	90.6	82.3	82.2	W	W	80.4	90.7	82.3	81.4	89.2	83.8	84.3
<b>Wyoming</b>												
1983 .....	-	90.1	88.2	101.0	86.2	87.0	101.0	87.7	87.6	NA	NA	NA
1984 .....	-	84.7	83.0	95.8	W	81.5	95.8	82.6	82.3	97.9	93.0	90.4
1985 .....	-	85.4	83.9	W	W	82.1	W	84.1	83.1	95.7	91.3	89.4
<b>PAD District V Average</b>												
1983 .....	94.9	88.7	87.1	94.0	91.6	84.6	94.5	89.5	86.7	NA	NA	NA
1984 .....	90.9	86.4	85.4	91.0	88.2	80.8	90.9	86.9	84.6	93.5	93.0	88.2
1985 .....	91.3	86.2	85.8	88.9	84.8	81.3	90.6	85.7	85.1	91.9	91.9	85.7
<b>Alaska</b>												
1983 .....	-	106.6	91.0	W	W	W	W	103.7	89.9	NA	NA	NA
1984 .....	-	98.6	88.5	W	W	W	W	94.9	85.1	W	120.4	90.7
1985 .....	-	97.2	89.3	W	W	W	W	93.7	88.2	112.0	111.7	92.1
<b>Arizona</b>												
1983 .....	90.5	85.0	83.8	92.8	86.6	85.9	92.2	85.1	84.0	NA	NA	NA
1984 .....	90.1	84.2	83.0	90.6	82.7	83.4	90.3	84.2	83.1	94.6	93.1	85.2
1985 .....	91.3	86.0	84.8	91.0	86.8	86.1	91.3	86.1	84.8	94.4	92.7	88.8
<b>California</b>												
1983 .....	95.7	88.4	87.9	94.8	91.7	84.6	95.3	89.5	87.3	NA	NA	NA
1984 .....	91.3	85.9	86.1	91.1	88.5	80.5	91.3	86.7	84.9	93.4	93.3	88.6
1985 .....	91.8	85.9	86.2	87.6	84.7	80.6	90.6	85.4	85.2	90.6	91.6	84.8
<b>Hawaii</b>												
1983 .....	-	88.9	95.1	W	W	W	W	89.1	93.5	NA	NA	NA
1984 .....	W	88.6	94.5	W	-	W	W	88.6	93.9	103.7	97.4	102.4
1985 .....	W	87.7	94.1	W	W	W	W	87.7	94.3	103.9	W	99.9
<b>Nevada</b>												
1983 .....	91.8	90.0	89.0	97.5	W	86.3	95.4	90.1	88.5	NA	NA	NA
1984 .....	87.5	85.5	84.1	91.4	W	82.4	88.8	85.6	83.9	90.6	90.4	85.9
1985 .....	87.7	85.3	84.9	W	W	82.5	88.2	84.5	84.6	89.8	92.9	87.3
<b>Oregon</b>												
1983 .....	95.3	88.3	84.7	W	W	84.4	94.4	88.3	84.7	NA	NA	NA
1984 .....	92.5	86.3	82.5	W	W	80.8	91.9	86.3	82.4	94.0	92.5	88.9
1985 .....	92.5	85.6	83.6	W	83.3	80.9	92.0	85.4	83.4	94.4	92.5	85.8
<b>Washington</b>												
1983 .....	92.4	84.7	84.5	91.8	W	83.1	92.0	84.7	84.3	NA	NA	NA
1984 .....	89.7	84.7	83.9	89.7	W	82.5	89.7	84.6	83.7	92.1	89.8	86.1
1985 .....	89.2	83.2	83.5	W	W	81.0	89.4	83.0	83.3	91.8	90.5	86.6

\* Sales through company-operated retail outlets.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

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

**Table 17. Refiner, Gas Plant Operator, and Reseller Sales Prices of Leaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>U.S. Average</b>												
1983 .....	91.2	88.3	85.4	91.2	87.0	84.1	91.2	88.1	85.0	NA	NA	NA
1984 .....	85.3	82.9	80.0	84.8	81.9	78.5	85.1	82.8	79.5	88.7	90.1	82.4
1985 .....	85.0	82.6	80.0	83.9	80.0	77.9	84.6	82.0	79.3	87.9	89.8	82.4
<b>PAD District I Average</b>												
1983 .....	91.2	88.4	85.9	91.1	88.1	84.5	91.2	88.4	85.7	NA	NA	NA
1984 .....	84.5	82.2	79.6	85.3	82.2	78.4	84.8	82.2	79.4	86.4	88.3	81.2
1985 .....	85.0	81.7	80.5	85.5	81.5	77.4	85.1	81.7	79.8	86.6	87.8	81.3
<b>Subdistrict IA Average</b>												
1983 .....	82.5	89.9	87.6	W	W	82.0	92.5	89.9	87.6	NA	NA	NA
1984 .....	83.5	82.9	80.4	W	W	77.0	84.2	82.6	79.9	88.0	88.5	83.6
1985 .....	85.0	83.1	82.4	W	81.5	79.2	85.8	82.7	81.9	89.2	88.8	84.4
<b>Connecticut</b>												
1983 .....	94.3	89.6	87.4	W	-	W	93.2	89.6	87.4	NA	NA	NA
1984 .....	82.6	82.9	80.4	W	W	78.8	85.6	82.8	80.3	85.4	86.5	81.7
1985 .....	84.0	83.2	82.6	W	80.8	79.2	86.3	83.0	82.2	85.9	86.4	84.3
<b>Maine</b>												
1983 .....	93.9	90.6	87.8	-	W	W	93.9	90.6	87.7	NA	NA	NA
1984 .....	85.3	83.8	80.3	W	W	W	86.4	83.2	80.2	92.9	92.7	85.7
1985 .....	W	84.3	82.0	W	W	W	85.3	83.4	81.9	94.8	91.8	87.6
<b>Massachusetts</b>												
1983 .....	82.0	89.8	87.5	W	-	81.4	92.0	89.8	87.4	NA	NA	NA
1984 .....	83.2	82.4	80.3	W	W	75.2	83.5	81.8	79.5	84.5	88.0	81.6
1985 .....	85.3	82.6	82.4	W	80.8	78.5	85.5	82.1	81.7	85.5	87.6	79.3
<b>New Hampshire</b>												
1983 .....	92.5	91.1	88.2	-	-	W	92.5	91.1	88.2	NA	NA	NA
1984 .....	83.8	83.8	81.3	W	W	77.7	84.6	83.6	80.7	92.4	90.6	87.8
1985 .....	84.6	83.8	83.5	W	W	79.5	85.5	83.4	82.6	92.6	93.0	88.4
<b>Rhode Island</b>												
1983 .....	93.6	89.3	87.6	-	-	-	93.6	89.3	87.6	NA	NA	NA
1984 .....	81.5	82.7	79.9	W	W	W	82.1	82.8	79.9	88.5	85.8	82.3
1985 .....	83.8	81.5	81.7	W	W	W	84.0	81.6	81.6	90.2	84.5	81.6
<b>Vermont</b>												
1983 .....	99.6	93.4	90.0	-	-	W	99.6	93.4	90.0	NA	NA	NA
1984 .....	93.2	W	81.7	W	W	79.3	92.9	W	81.4	93.8	91.4	88.8
1985 .....	W	W	84.1	W	W	81.4	92.0	W	83.6	93.2	92.0	89.0
<b>Subdistrict IB Average</b>												
1983 .....	91.4	88.5	85.1	94.6	87.9	84.0	92.0	88.5	85.0	NA	NA	NA
1984 .....	84.9	83.0	79.0	86.9	82.7	78.1	85.5	82.9	78.9	87.1	88.4	79.3
1985 .....	85.7	83.3	80.9	86.7	82.0	76.8	86.0	82.8	79.7	87.9	87.7	78.9
<b>Delaware</b>												
1983 .....	90.7	85.6	82.5	-	-	W	90.7	85.6	82.5	NA	NA	NA
1984 .....	84.1	81.0	76.9	-	-	W	84.1	81.0	76.9	84.4	86.4	82.7
1985 .....	88.6	82.3	80.7	-	-	W	88.6	82.3	80.7	88.2	89.5	85.3
<b>District of Columbia</b>												
1983 .....	W	87.6	86.7	-	-	-	W	87.6	86.7	NA	NA	NA
1984 .....	W	82.7	82.4	-	-	-	W	82.7	82.4	W	83.5	W
1985 .....	-	82.5	83.5	-	-	W	-	82.5	83.5	-	82.9	W

See footnotes at end of table.

**Table 17. Refiner, Gas Plant Operator, and Reseller Sales Prices of Leaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Maryland</b>												
1983 .....	86.8	86.9	85.5	W	W	85.4	90.2	86.9	85.5	NA	NA	NA
1984 .....	W	82.2	80.4	W	W	80.1	W	82.2	80.3	88.0	90.6	85.3
1985 .....	W	83.3	81.6	W	-	80.4	W	83.3	81.5	86.7	90.6	83.2
<b>New Jersey</b>												
1983 .....	90.6	88.3	84.4	W	W	82.0	90.6	88.3	84.2	NA	NA	NA
1984 .....	84.0	81.6	77.2	W	W	76.3	84.2	81.6	77.1	87.8	88.1	76.8
1985 .....	86.3	82.6	80.0	W	W	76.1	86.4	82.6	78.0	89.7	87.8	77.0
<b>New York</b>												
1983 .....	94.0	91.2	88.8	96.5	87.3	88.2	94.6	91.0	88.6	NA	NA	NA
1984 .....	85.7	84.8	81.7	87.9	83.1	79.2	86.7	84.3	81.5	89.6	91.6	81.4
1985 .....	85.7	83.8	82.6	87.8	82.8	80.4	86.7	83.3	82.4	89.8	88.0	77.7
<b>Pennsylvania</b>												
1983 .....	89.8	86.2	83.3	93.3	W	85.0	90.5	86.6	83.4	NA	NA	NA
1984 .....	85.0	83.0	78.6	85.6	82.4	79.0	85.2	82.8	78.6	85.5	85.7	82.0
1985 .....	85.2	83.2	80.2	85.3	81.3	78.3	85.2	82.0	80.0	87.1	86.5	82.4
<b>Subdistrict IC Average</b>												
1983 .....	90.6	87.8	86.1	89.4	88.4	84.7	90.2	87.8	85.8	NA	NA	NA
1984 .....	84.4	81.1	79.9	83.7	81.9	78.7	84.2	81.2	79.6	85.9	88.1	83.6
1985 .....	84.5	79.7	79.7	83.9	80.0	78.1	84.3	79.7	79.4	85.6	87.7	83.4
<b>Florida</b>												
1983 .....	90.6	88.3	86.8	88.8	89.9	84.7	89.9	88.3	86.3	NA	NA	NA
1984 .....	84.5	81.4	80.7	83.9	W	79.2	84.3	81.4	80.4	86.3	88.6	83.3
1985 .....	84.7	80.6	80.6	83.9	W	78.4	84.5	80.3	80.0	84.1	87.0	84.4
<b>Georgia</b>												
1983 .....	89.2	89.9	85.5	89.5	W	84.4	89.3	89.9	85.3	NA	NA	NA
1984 .....	82.2	82.1	78.9	83.1	W	78.2	82.5	81.9	78.7	83.6	89.7	84.3
1985 .....	83.4	79.8	78.8	82.9	W	77.7	83.2	79.7	78.6	85.5	89.1	83.4
<b>North Carolina</b>												
1983 .....	89.8	85.5	85.6	89.4	NA	84.7	89.6	85.5	85.4	NA	NA	NA
1984 .....	84.1	78.7	79.1	83.6	W	78.0	83.9	78.7	79.0	85.2	88.9	82.8
1985 .....	82.9	77.8	78.9	83.6	W	77.8	83.0	77.6	78.8	85.2	88.0	82.8
<b>South Carolina</b>												
1983 .....	89.7	87.4	85.8	89.4	W	85.0	89.6	87.4	85.7	NA	NA	NA
1984 .....	82.4	79.6	79.6	82.6	W	78.2	82.4	79.6	79.4	84.9	88.9	82.6
1985 .....	81.9	78.8	79.2	W	W	77.3	81.6	78.7	78.9	85.0	85.7	81.9
<b>Virginia</b>												
1983 .....	90.6	87.4	86.2	90.7	W	84.8	90.6	87.5	86.0	NA	NA	NA
1984 .....	84.9	82.1	80.1	85.2	W	78.5	85.0	81.9	79.9	88.3	87.3	84.3
1985 .....	86.0	80.6	80.1	88.8	W	78.3	86.4	80.6	79.9	86.7	86.1	84.1
<b>West Virginia</b>												
1983 .....	94.4	93.9	86.5	93.8	W	86.2	94.3	92.5	86.5	NA	NA	NA
1984 .....	89.4	88.5	82.7	86.8	W	80.6	89.3	87.4	82.4	91.2	88.8	87.0
1985 .....	89.3	86.9	81.6	85.9	W	80.1	89.1	85.4	81.4	90.4	89.6	85.2
<b>PAD District II Average</b>												
1983 .....	91.9	90.9	87.2	92.8	87.5	85.7	92.3	90.7	86.8	NA	NA	NA
1984 .....	86.1	85.5	81.2	84.5	79.8	79.5	85.5	85.2	80.6	89.7	92.1	83.5
1985 .....	85.4	84.4	80.7	84.2	79.0	79.3	85.0	84.1	80.2	88.8	92.1	83.8

See footnotes at end of table.

**Table 17. Refiner, Gas Plant Operator, and Reseller Sales Prices of Leaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Illinois</b>												
1983 .....	90.3	88.8	86.5	96.3	W	84.8	93.2	88.8	86.4	NA	NA	NA
1984 .....	84.6	83.9	80.5	W	W	79.6	84.6	83.9	80.4	87.9	93.5	82.5
1985 .....	84.9	80.6	80.4	W	W	79.1	85.0	80.5	80.3	87.6	92.5	83.0
<b>Indiana</b>												
1983 .....	89.8	88.2	87.4	93.8	W	86.0	92.1	87.9	87.1	NA	NA	NA
1984 .....	84.8	79.6	81.6	85.6	W	79.5	85.2	79.6	81.1	91.9	92.0	84.5
1985 .....	84.1	79.8	79.9	84.1	W	78.5	84.1	79.6	79.5	89.0	90.7	84.6
<b>Iowa</b>												
1983 .....	93.1	89.6	87.9	96.1	W	86.5	95.0	89.6	87.4	NA	NA	NA
1984 .....	89.2	82.3	81.7	89.5	W	80.3	89.4	82.0	81.1	92.5	94.3	83.8
1985 .....	89.1	81.5	81.6	90.5	W	80.5	90.0	81.6	81.1	91.8	92.8	84.6
<b>Kansas</b>												
1983 .....	92.0	80.6	85.8	92.8	W	84.3	92.4	90.5	84.8	NA	NA	NA
1984 .....	90.3	80.7	80.0	85.8	W	78.0	87.3	80.4	78.4	91.6	90.4	81.6
1985 .....	93.3	76.1	79.9	90.6	W	77.8	91.3	76.3	78.1	90.4	92.2	82.2
<b>Kentucky</b>												
1983 .....	91.5	92.2	87.6	87.9	W	85.9	90.0	92.1	87.4	NA	NA	NA
1984 .....	86.6	87.3	82.1	82.1	W	80.9	84.8	87.2	82.0	88.1	90.5	83.8
1985 .....	85.9	85.8	81.4	81.2	W	80.3	84.1	85.8	81.3	88.8	88.8	84.3
<b>Michigan</b>												
1983 .....	90.3	94.4	88.3	95.5	W	86.6	93.3	94.4	88.0	NA	NA	NA
1984 .....	84.6	90.1	82.4	85.1	W	80.8	84.9	90.0	82.0	88.8	93.4	83.4
1985 .....	83.7	87.8	81.3	83.8	W	79.5	83.8	87.8	80.8	88.2	93.2	83.6
<b>Minnesota</b>												
1983 .....	82.9	90.3	88.8	94.1	W	86.6	93.2	89.8	87.9	NA	NA	NA
1984 .....	87.7	83.8	82.9	87.8	W	80.8	87.7	83.1	82.0	91.4	92.0	84.5
1985 .....	89.5	84.6	83.4	89.9	W	81.5	89.6	84.0	82.6	91.9	92.7	85.6
<b>Missouri</b>												
1983 .....	90.6	88.7	86.4	90.3	W	85.4	90.4	88.7	86.0	NA	NA	NA
1984 .....	85.1	82.5	80.7	84.7	W	79.2	84.8	82.4	80.1	88.7	90.0	83.1
1985 .....	85.0	81.2	80.7	85.1	W	79.4	85.0	80.9	80.2	87.5	92.7	84.9
<b>Nebraska</b>												
1983 .....	94.1	91.9	87.2	96.5	W	86.8	95.4	91.7	87.0	NA	NA	NA
1984 .....	93.9	81.3	81.1	88.7	W	80.5	90.4	81.3	80.8	90.7	91.2	83.7
1985 .....	W	82.6	81.6	91.6	-	80.9	91.8	82.6	81.2	92.5	90.3	84.5
<b>North Dakota</b>												
1983 .....	102.4	92.5	88.9	W	W	87.4	101.6	92.5	88.3	NA	NA	NA
1984 .....	95.3	84.5	89.2	W	W	81.8	94.8	84.5	82.6	96.7	96.3	83.1
1985 .....	W	85.6	82.9	W	W	81.7	95.1	85.5	82.3	99.0	99.1	82.9
<b>Ohio</b>												
1983 .....	92.7	91.8	88.0	91.5	W	86.8	92.5	91.7	87.8	NA	NA	NA
1984 .....	86.8	86.9	81.8	83.7	W	80.3	86.3	86.8	81.6	85.4	89.8	82.6
1985 .....	85.7	85.7	80.6	82.9	W	79.0	85.3	85.5	80.4	83.8	88.7	81.8
<b>Oklahoma</b>												
1983 .....	91.9	85.6	84.9	90.5	NA	85.0	91.4	85.8	85.0	NA	NA	NA
1984 .....	87.7	79.5	78.7	83.5	80.6	79.0	85.8	79.5	78.8	91.2	90.8	83.0
1985 .....	87.1	78.9	78.5	82.7	W	78.3	85.1	78.6	78.4	90.5	89.8	83.3

See footnotes at end of table.

**Table 17. Refiner, Gas Plant Operator, and Reseller Sales Prices of Leaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale	Through Company Outlets <sup>a</sup>
	Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale	Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale	Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale	Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale
<b>South Dakota</b>												
1983 .....	W	93.8	89.0	97.3	W	87.8	96.4	93.8	88.4	NA	NA	NA
1984 .....	W	85.3	82.7	92.7	-	81.6	92.3	85.3	82.1	96.8	95.2	82.2
1985 .....	W	W	82.8	89.1	-	81.6	90.7	W	82.1	94.2	95.7	84.1
<b>Tennessee</b>												
1983 .....	91.5	86.5	86.2	90.2	84.8	84.7	90.6	86.0	85.8	NA	NA	NA
1984 .....	83.5	81.4	79.7	79.9	W	78.0	81.7	79.8	79.3	88.4	86.3	85.3
1985 .....	82.1	80.8	79.7	78.4	W	77.7	80.3	79.4	79.3	84.9	86.7	84.7
<b>Wisconsin</b>												
1983 .....	91.8	91.1	88.0	92.5	W	86.5	92.1	90.7	87.4	NA	NA	NA
1984 .....	87.6	85.7	81.7	86.9	W	80.8	87.4	85.0	81.4	90.4	92.8	82.8
1985 .....	86.5	84.3	81.5	85.8	W	80.7	86.2	83.8	81.2	90.3	92.5	81.6
<b>PAD District III Average</b>												
1983 .....	90.8	84.0	84.6	89.0	84.1	83.0	89.9	84.0	83.7	NA	NA	NA
1984 .....	85.4	77.4	78.5	84.8	79.4	77.5	85.1	77.7	78.0	88.3	86.8	81.3
1985 .....	84.6	76.9	77.6	82.2	78.0	76.4	83.7	77.3	77.1	87.4	88.5	81.4
<b>Alabama</b>												
1983 .....	90.6	90.8	85.9	89.3	86.4	83.9	89.8	90.3	85.1	NA	NA	NA
1984 .....	85.6	81.7	79.4	84.5	81.9	78.5	85.0	81.7	79.0	87.7	86.8	86.3
1985 .....	84.7	80.6	78.9	83.7	78.2	77.0	84.2	80.4	78.3	88.8	86.3	84.5
<b>Arkansas</b>												
1983 .....	93.6	87.6	85.7	84.6	W	84.8	87.1	87.6	85.3	NA	NA	NA
1984 .....	85.6	81.4	79.7	W	82.6	78.4	81.4	81.9	79.1	85.9	88.5	84.4
1985 .....	85.1	81.0	79.2	W	82.2	77.7	81.1	81.4	78.6	84.9	87.2	83.5
<b>Louisiana</b>												
1983 .....	91.0	85.0	84.2	87.9	87.9	83.3	89.6	85.7	83.8	NA	NA	NA
1984 .....	84.3	74.9	78.7	83.6	W	77.1	84.0	75.2	78.0	90.0	83.4	84.6
1985 .....	83.1	73.5	77.7	84.9	78.8	75.7	83.8	74.6	76.9	85.7	82.5	84.1
<b>Mississippi</b>												
1983 .....	92.8	87.0	84.7	88.8	85.7	83.7	90.0	86.8	84.4	NA	NA	NA
1984 .....	84.7	80.4	78.4	88.0	80.1	77.5	86.9	80.4	78.2	89.8	90.3	85.5
1985 .....	84.7	74.7	77.8	87.6	73.3	77.1	86.4	74.6	77.6	89.2	87.8	84.5
<b>New Mexico</b>												
1983 .....	92.8	89.3	85.7	93.3	85.8	86.2	93.2	88.1	86.0	NA	NA	NA
1984 .....	89.3	83.8	82.2	89.4	W	82.0	89.3	83.9	82.1	93.0	93.5	89.0
1985 .....	90.3	84.8	83.7	89.7	W	83.2	90.1	84.8	83.4	93.3	94.1	90.0
<b>Texas</b>												
1983 .....	90.6	83.2	84.1	88.9	83.6	82.6	89.8	83.3	83.2	NA	NA	NA
1984 .....	85.5	77.8	78.0	84.8	78.6	76.9	85.2	78.0	77.4	87.4	86.9	78.3
1985 .....	84.7	77.3	76.9	80.7	78.0	75.8	83.2	77.6	76.4	86.6	90.4	78.3
<b>PAD District IV Average</b>												
1983 .....	91.2	88.7	85.2	91.5	84.4	85.2	91.4	88.2	85.2	NA	NA	NA
1984 .....	86.2	82.5	80.2	85.8	W	79.5	86.0	82.1	79.9	89.7	90.8	85.6
1985 .....	87.7	81.4	80.5	87.3	W	79.4	87.6	81.3	80.0	90.1	89.6	85.4
<b>Colorado</b>												
1983 .....	80.3	88.8	85.6	90.3	85.8	84.9	90.3	88.8	85.2	NA	NA	NA
1984 .....	85.2	81.8	79.3	84.5	80.1	78.5	84.8	81.7	78.9	85.8	87.0	85.0
1985 .....	87.7	81.2	81.0	86.8	W	79.0	87.2	81.2	80.1	89.0	89.7	87.9

See footnotes at end of table.

**Table 17. Refiner, Gas Plant Operator, and Reseller Sales Prices of Leaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Idaho</b>												
1983 .....	W	89.4	85.3	95.4	86.0	86.2	95.0	89.3	85.6	NA	NA	NA
1984 .....	90.8	85.6	83.1	92.3	W	82.0	91.3	85.4	82.8	93.2	92.0	88.3
1985 .....	90.5	82.4	81.1	90.0	W	81.2	90.3	82.3	81.1	91.8	89.5	84.5
<b>Montana</b>												
1983 .....	W	88.7	84.6	94.0	W	85.2	93.5	88.8	84.8	NA	NA	NA
1984 .....	W	82.5	78.9	88.7	86.3	79.2	88.1	82.7	79.0	91.0	93.1	84.5
1985 .....	W	79.7	78.7	W	W	78.8	88.2	80.4	78.7	91.2	91.7	83.7
<b>Utah</b>												
1983 .....	W	87.8	84.5	93.3	84.4	84.7	91.5	87.5	84.6	NA	NA	NA
1984 .....	86.6	82.0	80.5	87.9	W	79.8	86.8	82.0	80.1	88.5	85.7	84.0
1985 .....	87.3	79.9	80.1	W	W	78.7	87.3	80.0	79.4	87.6	83.1	82.8
<b>Wyoming</b>												
1983 .....	-	89.5	86.3	99.2	84.3	85.9	99.2	86.4	86.1	NA	NA	NA
1984 .....	-	82.9	81.1	93.5	W	80.4	93.5	80.8	80.8	98.4	92.6	88.8
1985 .....	-	85.1	81.7	W	W	80.7	W	82.7	81.2	94.4	90.6	88.0
<b>PAD District V Average</b>												
1983 .....	88.3	86.8	82.5	88.9	88.3	82.7	88.7	87.3	82.5	NA	NA	NA
1984 .....	84.2	84.1	80.1	85.0	W	78.7	84.5	84.0	79.7	89.4	90.5	85.5
1985 .....	83.8	83.5	80.2	83.0	79.8	78.6	83.6	81.8	79.9	87.2	88.6	82.8
<b>Alaska</b>												
1983 .....	-	W	88.8	W	W	W	W	107.6	87.8	NA	NA	NA
1984 .....	-	W	84.2	W	W	W	W	99.6	82.6	W	125.0	88.2
1985 .....	-	W	86.6	W	W	W	W	95.5	85.3	108.5	114.4	89.4
<b>Arizona</b>												
1983 .....	84.9	82.7	81.1	87.1	83.3	84.0	86.6	82.7	81.5	NA	NA	NA
1984 .....	83.8	82.0	80.1	84.3	W	81.0	84.1	81.9	80.2	90.8	89.7	83.1
1985 .....	84.6	82.8	81.2	85.0	80.9	85.2	84.7	82.6	82.0	89.7	89.4	86.1
<b>California</b>												
1983 .....	88.8	84.9	82.8	89.6	88.3	82.6	89.1	88.5	82.8	NA	NA	NA
1984 .....	83.9	82.1	79.9	84.5	W	78.3	84.1	82.8	79.4	89.2	89.7	85.6
1985 .....	83.7	81.7	79.9	81.1	78.7	77.5	82.8	80.6	79.3	85.5	87.1	81.4
<b>Hawaii</b>												
1983 .....	-	84.5	88.9	W	-	W	W	84.5	88.3	NA	NA	NA
1984 .....	W	85.2	89.1	W	-	W	W	85.2	88.8	W	W	W
1985 .....	W	W	88.9	W	W	W	W	W	89.0	97.5	W	W
<b>Nevada</b>												
1983 .....	86.4	88.7	85.2	92.2	W	84.3	90.1	88.7	85.0	NA	NA	NA
1984 .....	82.9	83.2	79.8	86.4	-	80.1	84.0	83.2	79.8	88.6	88.6	84.1
1985 .....	81.6	81.6	80.7	W	W	79.8	82.5	80.8	80.5	85.4	89.9	84.3
<b>Oregon</b>												
1983 .....	90.5	86.0	82.0	W	NA	83.0	90.1	88.0	82.1	NA	NA	NA
1984 .....	86.7	84.7	79.2	W	-	79.3	87.2	84.7	79.2	91.2	91.3	86.9
1985 .....	85.8	83.7	80.2	87.4	80.7	79.1	86.5	83.3	80.0	90.6	91.2	83.6
<b>Washington</b>												
1983 .....	88.0	81.9	81.4	88.4	W	81.0	88.2	82.1	81.3	NA	NA	NA
1984 .....	85.1	82.8	80.3	86.3	W	80.7	85.5	82.8	80.3	88.6	88.0	85.6
1985 .....	83.9	80.9	79.8	W	W	79.0	84.5	80.5	79.7	87.4	89.0	83.8

\* Sales through company-operated retail outlets.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-762A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report"; Resellers: Energy Information Administration Form EIA-762B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 18. Refiner, Gas Plant Operator, and Reseller Sales Prices of Unleaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets*	Other End- Users		Through Company Outlets*	Other End- Users		Through Company Outlets*	Other End- Users		Through Company Outlets*	Other End- Users	
<b>U.S. Average</b>												
1983 .....	98.0	91.4	90.0	97.8	91.8	87.5	98.0	91.5	89.5	NA	NA	NA
1984 .....	92.3	86.5	85.0	91.8	86.8	81.7	92.2	86.5	84.2	94.4	92.7	86.8
1985 .....	92.9	86.2	85.1	91.4	85.4	81.6	92.5	86.1	84.3	94.3	92.7	87.1
<b>PAD District I Average</b>												
1983 .....	98.2	91.8	90.6	98.5	90.3	87.8	98.3	91.7	90.4	NA	NA	NA
1984 .....	91.5	85.5	84.5	92.3	84.6	81.7	91.7	85.4	84.3	93.1	92.1	86.2
1985 .....	93.3	85.6	85.3	92.9	84.4	81.3	93.2	85.2	84.8	94.1	91.3	86.6
<b>Subdistrict IA Average</b>												
1983 .....	98.8	93.0	92.4	W	W	87.5	98.8	93.0	92.3	NA	NA	NA
1984 .....	90.0	85.9	85.4	W	84.1	81.7	90.1	85.7	85.1	95.0	92.6	86.7
1985 .....	93.5	86.6	87.1	W	83.2	82.2	93.5	85.8	86.6	96.5	94.1	88.8
<b>Connecticut</b>												
1983 .....	101.3	91.7	92.4	W	NA	W	100.4	91.7	92.3	NA	NA	NA
1984 .....	89.3	88.8	85.6	W	81.3	83.1	90.1	86.8	85.4	93.5	92.4	85.0
1985 .....	92.3	86.5	87.4	W	83.2	82.8	92.5	86.3	87.0	94.5	95.1	88.6
<b>Maine</b>												
1983 .....	99.4	94.5	92.2	-	W	W	99.4	94.5	92.2	NA	NA	NA
1984 .....	89.9	87.5	84.7	W	W	W	90.2	87.4	84.5	97.4	94.3	89.0
1985 .....	W	88.3	86.4	W	W	W	W	87.9	86.3	99.8	95.3	91.4
<b>Massachusetts</b>												
1983 .....	98.7	93.5	92.2	-	-	W	98.7	93.5	92.1	NA	NA	NA
1984 .....	90.2	85.2	85.5	W	W	80.4	90.2	84.9	85.0	93.2	92.4	84.7
1985 .....	94.0	86.4	87.1	W	82.5	81.2	94.1	85.1	86.3	94.7	91.5	84.3
<b>New Hampshire</b>												
1983 .....	98.7	94.7	93.6	-	-	W	98.7	94.7	93.5	NA	NA	NA
1984 .....	90.0	84.4	86.1	W	W	82.1	90.2	84.7	85.7	98.4	94.2	92.0
1985 .....	92.5	85.8	88.1	W	W	82.8	92.6	85.7	87.3	99.6	94.8	92.4
<b>Rhode Island</b>												
1983 .....	98.1	92.1	92.1	-	-	-	98.1	92.1	92.1	NA	NA	NA
1984 .....	87.8	85.4	84.8	W	W	W	87.9	85.4	84.7	92.9	90.5	85.0
1985 .....	91.9	84.8	86.4	W	W	W	91.9	84.8	86.2	94.4	89.9	88.8
<b>Vermont</b>												
1983 .....	105.0	96.3	96.1	-	-	W	105.0	96.3	95.9	NA	NA	NA
1984 .....	98.3	91.2	87.0	W	W	83.3	98.2	91.0	88.7	99.3	93.1	89.9
1985 .....	W	91.0	89.4	W	W	85.0	98.7	90.7	89.0	99.4	95.6	94.7
<b>Subdistrict IB Average</b>												
1983 .....	97.9	91.5	90.1	100.9	89.4	88.5	98.4	81.3	80.0	NA	NA	NA
1984 .....	91.0	86.2	84.3	91.6	85.5	82.2	91.1	86.1	84.2	93.5	91.4	84.8
1985 .....	93.0	86.8	85.6	91.7	85.0	81.0	92.7	86.1	85.1	94.3	90.5	85.0
<b>Delaware</b>												
1983 .....	100.9	88.6	86.3	-	-	W	100.9	88.6	86.3	NA	NA	NA
1984 .....	92.4	83.4	79.3	-	-	W	92.4	83.4	79.3	89.9	90.0	86.5
1985 .....	96.7	85.5	84.4	-	-	W	96.7	85.5	84.4	91.4	93.1	89.8
<b>District of Columbia</b>												
1983 .....	-	91.0	91.3	-	-	-	-	91.0	91.3	NA	NA	NA
1984 .....	-	86.3	86.9	-	-	-	-	86.3	86.9	W	90.2	W
1985 .....	-	85.5	87.4	-	-	W	-	85.5	87.4	-	90.0	W

See footnotes at end of table.

**Table 18. Refiner, Gas Plant Operator, and Reseller Sales Prices of Unleaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Maryland</b>												
1983 .....	W	90.4	90.4	W	W	89.2	96.5	90.4	90.3	NA	NA	NA
1984 .....	W	85.6	85.4	W	W	83.6	W	85.4	85.3	94.4	94.5	89.5
1985 .....	W	88.1	86.3	W	W	84.1	W	88.1	86.1	92.9	92.4	87.5
<b>New Jersey</b>												
1983 .....	97.3	90.4	89.3	W	W	88.4	97.3	90.4	89.1	NA	NA	NA
1984 .....	90.0	86.0	83.3	W	W	79.5	90.1	85.9	83.1	97.7	92.0	81.0
1985 .....	93.4	84.5	84.7	W	81.0	79.6	93.3	83.9	83.7	97.2	89.1	85.1
<b>New York</b>												
1983 .....	100.1	95.2	93.7	102.2	91.3	90.0	100.6	94.9	93.5	NA	NA	NA
1984 .....	92.4	88.2	86.7	92.4	86.1	82.7	92.4	87.5	86.5	95.1	93.1	87.0
1985 .....	93.8	87.8	87.5	92.6	85.9	83.7	93.3	86.8	87.2	95.6	90.1	83.8
<b>Pennsylvania</b>												
1983 .....	96.5	90.2	87.7	100.0	W	89.0	97.1	89.9	87.7	NA	NA	NA
1984 .....	90.7	85.7	83.3	90.5	85.9	83.1	90.8	85.7	83.3	91.1	89.3	86.6
1985 .....	92.1	85.5	84.6	90.5	84.7	82.6	91.7	85.0	84.5	92.7	90.6	86.8
<b>Subdistrict IC Average</b>												
1983 .....	98.4	91.5	90.7	97.1	92.8	87.6	98.0	91.6	90.2	NA	NA	NA
1984 .....	92.5	84.4	84.4	92.8	83.3	81.6	92.6	84.3	84.0	92.3	92.6	87.7
1985 .....	93.5	83.7	84.2	94.1	83.2	81.3	93.6	83.6	83.7	93.2	91.9	88.0
<b>Florida</b>												
1983 .....	98.9	90.7	91.6	97.1	95.2	87.6	98.4	90.8	90.9	NA	NA	NA
1984 .....	93.0	83.8	85.5	95.4	W	82.2	93.7	83.5	84.8	92.2	93.4	87.5
1985 .....	94.2	83.1	85.2	96.1	W	81.6	94.7	83.2	84.6	91.8	92.4	89.7
<b>Georgia</b>												
1983 .....	97.8	92.6	89.8	97.7	89.1	87.2	97.7	92.6	89.2	NA	NA	NA
1984 .....	91.8	84.8	83.0	91.7	82.0	81.1	91.8	84.4	82.8	90.0	93.1	87.7
1985 .....	93.4	83.1	83.0	92.3	81.8	81.0	93.1	82.9	82.7	93.8	93.4	87.1
<b>North Carolina</b>												
1983 .....	97.4	90.4	89.8	95.3	NA	87.4	96.7	90.3	89.4	NA	NA	NA
1984 .....	92.0	82.7	83.0	90.1	82.0	80.9	91.5	82.7	82.7	91.8	92.2	87.6
1985 .....	92.0	82.0	82.9	91.4	78.8	80.8	91.9	82.0	82.6	93.1	92.8	88.2
<b>South Carolina</b>												
1983 .....	98.0	92.0	89.9	97.0	—	87.9	97.6	92.0	89.8	NA	NA	NA
1984 .....	90.8	84.2	83.5	90.4	W	80.9	90.7	84.1	83.1	91.5	91.3	87.0
1985 .....	90.6	84.4	83.3	88.4	W	80.4	90.3	83.9	82.9	92.6	88.4	86.3
<b>Virginia</b>												
1983 .....	97.7	81.1	91.4	97.1	W	87.7	97.5	91.2	90.9	NA	NA	NA
1984 .....	92.1	84.7	85.5	91.2	W	81.2	91.9	84.7	85.0	94.5	92.2	88.3
1985 .....	93.6	83.3	85.0	96.1	81.9	81.4	94.1	83.2	84.6	93.4	90.4	88.1
<b>West Virginia</b>												
1983 .....	100.9	98.1	90.7	100.2	W	90.3	100.8	96.4	90.7	NA	NA	NA
1984 .....	96.1	94.3	86.9	92.7	W	84.1	95.9	92.3	86.7	97.0	92.2	89.8
1985 .....	96.7	95.1	85.9	92.5	W	84.0	96.4	92.5	85.7	96.6	92.7	89.4
<b>PAD District II Average</b>												
1983 .....	98.4	93.6	91.4	98.7	91.4	88.6	98.5	93.5	90.8	NA	NA	NA
1984 .....	93.0	88.2	85.3	91.0	82.7	82.3	92.3	87.9	84.5	94.3	93.4	86.7
1985 .....	93.5	87.6	85.1	91.5	83.6	82.7	92.8	87.4	84.5	94.5	94.6	87.7

See footnotes at end of table.

**Table 18. Refiner, Gas Plant Operator, and Reseller Sales Prices of Unleaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Illinois</b>												
1983 .....	95.9	92.3	90.9	102.2	W	87.6	98.3	92.3	90.7	NA	NA	NA
1984 .....	90.0	85.7	84.7	W	W	81.8	90.0	85.7	84.5	92.3	93.0	85.7
1985 .....	91.8	84.5	84.9	W	W	82.4	91.9	84.3	84.7	92.6	95.7	87.3
<b>Indiana</b>												
1983 .....	95.4	90.9	91.7	99.9	87.5	89.3	97.9	90.8	91.4	NA	NA	NA
1984 .....	90.8	86.3	85.7	92.1	W	82.3	91.4	85.2	85.1	97.9	94.3	87.0
1985 .....	91.0	85.9	84.3	91.1	79.6	81.9	91.0	85.7	83.7	95.0	92.6	88.5
<b>Iowa</b>												
1983 .....	98.6	92.8	91.8	101.1	W	89.1	100.0	92.8	91.1	NA	NA	NA
1984 .....	94.3	83.6	85.4	95.4	W	82.9	95.1	83.2	84.4	96.4	95.0	87.0
1985 .....	96.3	87.4	85.7	96.2	W	83.9	96.2	86.8	85.0	98.2	95.5	88.5
<b>Kansas</b>												
1983 .....	96.4	91.6	89.7	98.6	W	87.1	97.7	92.0	88.1	NA	NA	NA
1984 .....	93.1	82.9	83.4	91.9	80.4	80.6	92.3	82.2	81.4	94.8	93.7	86.4
1985 .....	97.0	78.4	83.7	95.1	86.0	81.1	95.7	79.4	81.8	95.5	95.9	86.4
<b>Kentucky</b>												
1983 .....	97.5	94.3	91.3	93.6	W	88.9	96.0	94.2	91.0	NA	NA	NA
1984 .....	93.0	88.7	85.7	86.9	W	83.7	90.9	88.7	85.5	93.8	93.4	88.3
1985 .....	93.7	87.8	85.4	88.3	83.6	83.9	92.2	87.8	85.3	95.6	91.4	88.5
<b>Michigan</b>												
1983 .....	96.1	94.6	92.4	98.5	W	89.5	97.4	94.6	91.9	NA	NA	NA
1984 .....	91.1	88.7	86.4	91.2	W	83.5	91.1	88.7	85.9	93.2	95.4	86.6
1985 .....	90.9	87.4	85.8	90.7	W	83.1	90.8	87.3	85.3	94.9	96.5	87.4
<b>Minnesota</b>												
1983 .....	97.9	92.7	92.7	99.3	90.4	89.4	98.2	92.5	91.5	NA	NA	NA
1984 .....	92.8	87.0	86.7	93.5	83.9	83.6	92.9	86.7	85.5	95.4	91.7	87.4
1985 .....	97.0	88.3	88.2	95.7	86.4	85.0	96.8	88.1	87.0	96.5	92.1	88.5
<b>Missouri</b>												
1983 .....	96.6	90.7	90.8	96.7	W	88.3	96.7	90.7	90.1	NA	NA	NA
1984 .....	91.6	85.8	85.1	91.6	W	82.1	91.6	85.8	84.1	93.9	92.3	86.5
1985 .....	92.2	84.8	85.2	92.6	79.7	82.6	92.4	84.7	84.4	92.7	96.1	87.4
<b>Nebraska</b>												
1983 .....	98.7	92.9	91.2	100.4	W	89.7	99.4	93.4	90.6	NA	NA	NA
1984 .....	96.0	84.2	84.7	93.8	-	83.1	94.6	84.2	84.0	97.2	91.9	87.1
1985 .....	W	85.1	85.7	96.4	-	84.2	96.8	85.1	85.0	99.0	92.0	88.2
<b>North Dakota</b>												
1983 .....	106.9	93.0	93.0	W	W	90.0	106.3	92.9	92.0	NA	NA	NA
1984 .....	99.6	86.7	86.9	W	-	84.7	99.4	86.7	86.1	101.0	100.0	86.5
1985 .....	W	88.4	86.8	W	W	84.6	100.9	88.4	85.9	102.1	102.3	86.6
<b>Ohio</b>												
1983 .....	100.4	95.2	91.8	98.5	W	89.7	100.2	95.1	91.6	NA	NA	NA
1984 .....	94.7	90.0	85.6	89.6	85.3	83.0	94.0	89.8	85.3	91.1	92.2	86.0
1985 .....	94.5	89.0	84.9	89.7	W	82.4	93.9	88.8	84.7	91.3	92.3	85.7
<b>Oklahoma</b>												
1983 .....	97.4	88.6	89.4	95.0	NA	87.7	96.7	88.8	88.7	NA	NA	NA
1984 .....	93.7	W	83.3	88.9	80.5	81.8	92.1	82.2	82.6	95.8	91.0	87.0
1985 .....	93.7	82.6	82.6	89.6	88.9	81.9	92.4	82.8	82.3	96.0	92.3	88.4

See footnotes at end of table.

**Table 18. Refiner, Gas Plant Operator, and Reseller Sales Prices of Unleaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>South Dakota</b>												
1983 .....	W	94.2	93.1	102.6	W	90.5	100.9	94.2	92.0	NA	NA	NA
1984 .....	W	87.7	86.4	98.5	-	84.2	97.3	87.7	85.4	101.5	98.6	86.0
1985 .....	W	W	87.1	96.2	-	84.7	96.8	W	85.9	99.6	100.2	87.4
<b>Tennessee</b>												
1983 .....	100.9	90.2	90.9	97.7	87.6	87.7	99.1	89.6	90.1	NA	NA	NA
1984 .....	94.8	84.2	84.2	86.4	W	80.9	92.4	83.4	83.4	93.6	91.5	89.6
1985 .....	95.0	84.2	84.0	86.7	W	81.0	92.5	83.4	83.5	92.2	90.6	90.1
<b>Wisconsin</b>												
1983 .....	97.4	93.1	91.8	98.2	90.1	89.5	97.7	93.0	91.1	NA	NA	NA
1984 .....	93.1	87.3	85.4	92.3	82.6	83.5	92.8	86.9	84.8	95.4	95.4	85.6
1985 .....	92.7	85.6	85.4	92.5	83.4	84.0	92.6	85.4	85.0	95.3	93.5	85.4
<b>PAD District III Average</b>												
1983 .....	97.8	87.9	88.4	95.2	90.2	86.7	96.9	88.1	87.7	NA	NA	NA
1984 .....	92.5	83.0	83.1	91.3	85.3	80.4	92.1	83.3	82.0	94.6	81.4	86.8
1985 .....	91.4	82.1	82.2	88.8	85.1	79.9	90.7	83.0	81.3	93.9	92.0	87.2
<b>Alabama</b>												
1983 .....	98.4	93.9	90.4	96.3	89.2	87.0	97.3	93.6	89.1	NA	NA	NA
1984 .....	94.0	85.3	83.4	91.8	85.3	81.1	93.1	85.3	82.6	94.3	92.9	91.1
1985 .....	94.1	84.9	83.0	91.8	80.6	80.4	93.4	84.7	82.4	96.6	91.7	90.0
<b>Arkansas</b>												
1983 .....	103.3	91.2	89.9	89.0	W	88.5	96.5	91.5	89.3	NA	NA	NA
1984 .....	96.3	84.1	83.7	W	87.1	81.4	91.8	85.7	82.8	93.0	91.7	88.0
1985 .....	95.7	83.6	83.3	W	86.0	81.5	91.6	84.9	82.6	92.9	92.1	89.0
<b>Louisiana</b>												
1983 .....	97.7	87.5	88.7	93.7	W	87.2	96.5	87.9	88.2	NA	NA	NA
1984 .....	91.3	81.4	82.0	89.7	W	79.6	90.9	81.7	81.3	96.8	88.7	89.3
1985 .....	90.5	79.1	80.8	92.3	82.7	79.0	91.0	79.8	80.2	91.9	87.7	89.0
<b>Mississippi</b>												
1983 .....	100.8	86.0	88.8	93.1	89.2	86.9	97.0	86.1	88.2	NA	NA	NA
1984 .....	92.9	82.8	82.5	92.9	84.0	80.3	92.9	82.9	81.9	96.2	92.5	89.3
1985 .....	92.8	73.9	81.8	92.9	83.6	79.2	92.8	74.7	81.1	96.0	91.9	88.3
<b>New Mexico</b>												
1983 .....	98.4	91.9	90.2	98.5	W	89.5	98.5	91.9	89.8	NA	NA	NA
1984 .....	94.1	86.7	86.6	94.6	W	85.3	94.4	86.8	85.9	97.8	97.6	93.0
1985 .....	95.9	88.7	88.0	95.2	W	87.2	95.6	88.6	87.6	98.7	99.1	93.8
<b>Texas</b>												
1983 .....	97.6	86.9	87.7	95.4	88.8	86.2	96.8	87.0	87.1	NA	NA	NA
1984 .....	92.5	83.0	83.1	91.6	84.6	79.9	92.2	83.2	81.7	93.5	91.8	88.7
1985 .....	91.1	83.6	82.0	87.4	85.4	79.3	90.2	84.4	80.8	92.8	93.0	88.4
<b>PAD District IV Average</b>												
1983 .....	96.3	90.6	89.2	98.6	87.0	87.7	97.7	90.0	88.5	NA	NA	NA
1984 .....	91.2	85.1	83.8	93.1	82.3	82.4	91.8	84.6	83.2	93.6	91.7	88.8
1985 .....	94.5	84.6	84.5	95.6	W	82.8	94.8	84.4	83.8	95.1	91.2	88.5
<b>Colorado</b>												
1983 .....	96.6	90.1	89.8	98.4	W	87.8	97.8	90.2	89.0	NA	NA	NA
1984 .....	91.4	83.7	83.3	92.9	81.8	81.7	91.9	83.7	82.6	91.3	89.2	87.8
1985 .....	96.1	84.9	85.0	95.8	W	82.9	96.0	84.8	84.2	97.0	91.7	91.4

See footnotes at end of table.

**Table 18. Refiner, Gas Plant Operator, and Reseller Sales Prices of Unleaded Regular Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Idaho</b>												
1983 .....	99.7	91.8	89.2	99.7	90.0	89.6	99.7	91.7	89.4	NA	NA	NA
1984 .....	95.8	88.5	86.9	95.9	W	85.1	95.9	88.4	86.1	96.8	96.0	89.5
1985 .....	95.5	84.7	84.7	95.4	W	84.5	95.5	84.6	84.6	95.8	90.9	87.7
<b>Montana</b>												
1983 .....	W	90.8	87.7	98.6	W	85.0	97.3	86.2	86.5	NA	NA	NA
1984 .....	W	84.4	82.4	92.9	W	81.6	91.6	82.8	82.1	95.4	94.6	87.9
1985 .....	W	84.0	83.3	W	-	81.7	92.5	84.0	82.7	95.2	93.0	87.0
<b>Utah</b>												
1983 .....	W	90.9	88.0	97.6	89.9	87.9	95.6	90.8	88.0	NA	NA	NA
1984 .....	90.3	85.2	83.7	W	W	82.9	90.5	85.0	83.3	92.0	86.6	86.5
1985 .....	91.9	83.7	83.4	W	W	82.2	92.0	83.7	82.9	90.9	85.2	85.3
<b>Wyoming</b>												
1983 .....	-	90.7	90.6	103.8	87.3	89.0	103.8	88.7	89.8	NA	NA	NA
1984 .....	-	85.6	85.0	98.3	W	83.3	98.3	83.8	84.2	99.9	93.8	92.4
1985 .....	-	85.7	85.8	W	W	84.1	W	84.9	85.0	97.2	92.5	91.1
<b>PAD District V Average</b>												
1983 .....	96.0	88.9	88.2	97.1	92.9	86.4	96.5	89.8	88.0	NA	NA	NA
1984 .....	92.2	86.6	86.7	94.5	90.3	82.6	93.0	87.4	86.0	97.1	93.8	89.1
1985 .....	92.5	86.2	86.8	91.4	87.4	83.0	92.2	86.6	86.3	94.7	93.1	86.6
<b>Alaska</b>												
1983 .....	-	W	93.0	W	W	W	W	94.8	92.2	NA	NA	NA
1984 .....	-	W	88.3	W	W	W	W	88.8	87.3	W	110.3	92.7
1985 .....	-	W	90.8	W	W	W	W	91.5	90.1	115.5	107.9	94.7
<b>Arizona</b>												
1983 .....	93.1	86.6	85.7	97.1	87.4	87.7	95.9	86.7	85.9	NA	NA	NA
1984 .....	92.6	85.4	84.8	95.4	84.1	85.2	94.0	85.3	84.8	97.9	95.7	87.0
1985 .....	93.4	87.1	86.3	94.9	88.4	86.9	93.7	87.2	86.3	97.7	94.5	90.8
<b>California</b>												
1983 .....	96.4	88.9	88.4	97.1	93.2	86.3	96.7	90.1	88.1	NA	NA	NA
1984 .....	92.1	86.3	86.9	94.4	91.0	82.3	92.7	87.6	86.1	97.2	93.6	89.0
1985 .....	92.5	85.8	86.9	90.0	87.5	82.2	91.8	86.5	86.2	93.3	92.6	85.4
<b>Hawaii</b>												
1983 .....	-	89.9	95.0	W	W	W	W	90.3	92.5	NA	NA	NA
1984 .....	W	88.9	94.0	W	-	W	W	88.9	93.3	104.8	W	102.0
1985 .....	W	87.5	93.6	W	-	W	W	87.5	94.0	W	W	99.0
<b>Nevada</b>												
1983 .....	95.5	90.7	90.7	102.9	W	88.1	100.4	90.7	90.3	NA	NA	NA
1984 .....	91.3	86.3	85.9	95.6	W	84.0	92.9	86.3	85.6	93.3	91.8	87.0
1985 .....	90.9	86.4	86.4	W	W	84.6	91.5	86.1	86.2	93.2	95.1	89.5
<b>Oregon</b>												
1983 .....	96.8	90.6	87.1	W	W	86.9	96.6	90.6	87.0	NA	NA	NA
1984 .....	94.2	87.7	85.1	W	W	83.2	93.8	87.7	84.9	96.9	94.4	91.2
1985 .....	94.5	87.2	85.9	W	W	83.4	94.2	87.3	85.7	97.0	94.2	87.8
<b>Washington</b>												
1983 .....	94.4	86.7	86.8	95.2	W	86.9	94.7	86.7	86.8	NA	NA	NA
1984 .....	92.2	85.0	86.2	92.7	W	84.5	92.4	85.0	86.0	94.8	92.3	89.5
1985 .....	91.6	83.9	85.5	W	W	83.2	91.9	83.8	85.3	94.3	92.3	87.9

\* Sales through company-operated retail outlets.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

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

**Table 19. Refiner, Gas Plant Operator, and Reseller Sales Prices of Premium Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale	Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale	Through Company Outlets <sup>a</sup>	Other End- Users	Sales for Resale
<b>U.S. Average</b>												
1983 .....	108.7	95.8	96.8	105.6	105.3	91.8	108.0	96.1	96.4	NA	NA	NA
1984 .....	103.1	93.6	92.1	99.4	96.3	86.3	102.1	93.7	91.6	101.4	98.8	95.1
1985 .....	104.2	93.3	92.7	98.9	90.6	86.4	103.0	92.6	92.2	101.5	98.6	95.0
<b>PAD District I Average</b>												
1983 .....	107.1	95.3	97.4	106.6	95.1	91.4	107.0	95.3	97.1	NA	NA	NA
1984 .....	102.6	92.6	91.9	101.0	87.8	86.4	102.4	92.3	91.6	102.6	98.4	95.4
1985 .....	104.3	92.5	93.2	102.9	89.5	86.4	104.1	92.0	92.8	104.3	99.0	95.1
<b>Subdistrict IA Average</b>												
1983 .....	105.2	95.5	98.3	-	-	W	105.2	95.5	98.3	NA	NA	NA
1984 .....	100.8	92.9	92.3	W	90.0	W	100.8	92.7	92.1	108.7	98.7	97.0
1985 .....	105.6	91.2	95.0	W	W	88.6	105.6	91.0	94.6	107.4	101.4	98.2
<b>Connecticut</b>												
1983 .....	104.5	96.5	97.9	-	-	W	104.5	96.5	97.9	NA	NA	NA
1984 .....	100.5	93.8	92.3	W	87.3	W	101.2	93.4	92.1	109.2	NA	98.7
1985 .....	103.7	92.6	94.9	W	W	88.0	104.3	92.2	94.5	107.4	102.1	99.2
<b>Maine</b>												
1983 .....	110.7	99.8	97.9	-	-	-	110.7	99.8	97.9	NA	NA	NA
1984 .....	101.7	92.4	90.1	W	W	W	101.8	92.7	90.0	105.7	100.7	95.6
1985 .....	W	96.4	92.7	W	W	W	103.2	94.5	92.5	108.1	105.1	98.5
<b>Massachusetts</b>												
1983 .....	104.7	94.8	98.8	-	-	W	104.7	94.8	98.8	NA	NA	NA
1984 .....	100.7	92.2	92.5	W	W	W	100.7	92.0	92.2	109.3	98.6	92.8
1985 .....	106.5	94.8	95.3	W	W	88.7	106.5	93.6	94.9	107.0	100.3	95.8
<b>New Hampshire</b>												
1983 .....	107.9	101.5	99.7	-	-	-	107.9	101.5	99.7	NA	NA	NA
1984 .....	100.9	93.7	93.3	W	W	83.5	101.0	93.6	92.3	108.0	W	99.0
1985 .....	103.8	93.5	95.4	W	W	88.7	103.8	93.2	94.8	109.1	W	99.7
<b>Rhode Island</b>												
1983 .....	104.2	W	96.9	-	-	-	104.2	W	96.9	NA	NA	NA
1984 .....	99.7	94.8	91.9	W	W	W	99.7	94.8	91.8	102.2	97.2	92.5
1985 .....	102.7	W	94.3	W	W	W	102.7	W	94.2	102.1	97.8	94.9
<b>Vermont</b>												
1983 .....	113.9	W	102.5	-	-	W	113.9	W	102.3	NA	NA	NA
1984 .....	110.0	W	94.5	W	W	89.9	109.7	W	94.3	107.2	98.8	101.3
1985 .....	W	W	96.5	W	W	90.5	109.3	99.7	96.3	108.4	100.1	102.7
<b>Subdistrict IB Average</b>												
1983 .....	105.1	94.6	97.3	107.1	W	90.6	105.2	94.6	97.2	NA	NA	NA
1984 .....	102.4	93.3	92.3	99.0	W	88.1	102.1	93.2	92.2	104.1	99.8	95.5
1985 .....	105.6	94.3	93.9	99.7	91.5	87.0	104.9	93.7	93.7	104.5	98.7	94.3
<b>Delaware</b>												
1983 .....	114.3	W	90.3	-	-	W	114.3	W	90.3	NA	NA	NA
1984 .....	105.1	89.4	83.8	-	-	W	105.1	89.4	83.8	101.2	85.6	84.6
1985 .....	114.7	92.5	90.4	-	-	W	114.7	92.5	90.4	101.9	100.5	97.0
<b>District of Columbia</b>												
1983 .....	-	96.9	98.3	-	-	-	-	96.9	98.3	NA	NA	NA
1984 .....	-	92.3	94.6	-	-	-	-	92.3	94.6	W	95.3	W
1985 .....	-	91.3	95.5	-	-	W	-	91.3	95.5	-	98.3	W

See footnotes at end of table.

**Table 19. Refiner, Gas Plant Operator, and Reseller Sales Prices of Premium Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
(Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Maryland</b>												
1983 .....	W	96.0	97.2	W	NA	94.2	W	96.0	97.0	NA	NA	NA
1984 .....	W	92.3	92.6	W	-	88.6	W	92.3	92.4	106.8	103.7	96.6
1985 .....	W	94.7	94.2	W	-	89.4	W	94.7	93.9	103.4	105.7	94.8
<b>New Jersey</b>												
1983 .....	104.0	93.5	96.8	W	W	88.2	104.1	93.5	96.6	NA	NA	NA
1984 .....	102.0	91.2	91.6	W	W	86.2	101.9	91.2	91.5	108.5	99.0	95.7
1985 .....	107.1	90.1	92.9	W	W	83.9	107.0	90.1	92.6	108.0	98.5	95.7
<b>New York</b>												
1983 .....	107.3	96.7	100.7	W	W	94.7	107.3	96.7	100.6	NA	NA	NA
1984 .....	104.8	97.1	95.0	99.2	91.6	88.6	104.0	96.8	94.9	105.4	106.9	95.8
1985 .....	106.6	97.1	96.3	W	92.3	88.3	105.5	95.9	96.2	105.1	97.6	92.8
<b>Pennsylvania</b>												
1983 .....	104.7	89.8	94.2	W	W	86.2	104.8	89.8	94.0	NA	NA	NA
1984 .....	101.2	95.8	90.5	97.9	W	90.5	100.9	94.7	90.5	98.9	95.4	93.6
1985 .....	103.5	97.9	92.5	98.5	W	90.2	102.8	93.4	92.4	101.4	97.2	93.7
<b>Subdistrict IC Average</b>												
1983 .....	110.7	98.6	97.1	106.5	W	91.7	109.3	98.6	96.6	NA	NA	NA
1984 .....	103.1	91.5	91.3	101.6	W	85.7	102.8	91.0	90.7	100.6	87.9	95.2
1985 .....	103.4	90.8	91.5	103.9	86.2	85.7	103.5	90.0	91.0	103.3	99.0	95.2
<b>Florida</b>												
1983 .....	111.2	98.4	98.4	108.4	W	92.0	110.4	98.3	98.0	NA	NA	NA
1984 .....	102.1	91.7	92.7	104.9	W	86.1	102.5	91.0	92.2	103.6	97.3	94.8
1985 .....	101.8	90.8	93.1	105.8	W	85.9	102.1	90.2	92.6	104.5	97.0	98.5
<b>Georgia</b>												
1983 .....	110.1	100.8	85.5	105.1	W	91.2	108.2	100.8	94.9	NA	NA	NA
1984 .....	104.7	92.2	89.3	99.7	W	85.3	103.1	91.4	88.6	95.8	98.3	96.0
1985 .....	107.5	90.5	89.9	100.6	W	85.1	105.6	89.6	89.1	102.3	100.6	94.8
<b>North Carolina</b>												
1983 .....	107.4	97.1	95.6	103.1	NA	91.1	105.6	97.1	95.1	NA	NA	NA
1984 .....	103.0	90.3	89.3	99.1	-	85.9	101.4	90.3	89.1	99.7	97.6	94.3
1985 .....	104.6	90.2	89.5	100.6	-	86.2	102.9	90.2	89.2	103.4	99.8	94.7
<b>South Carolina</b>												
1983 .....	110.3	95.7	95.9	104.7	-	92.2	108.7	95.7	95.6	NA	NA	NA
1984 .....	103.4	89.7	90.0	100.5	W	84.6	102.8	89.4	89.6	100.4	95.9	94.1
1985 .....	101.5	90.5	90.1	W	W	85.2	100.9	89.1	89.7	102.0	97.1	94.3
<b>Virginia</b>												
1983 .....	112.2	96.6	97.8	W	NA	91.9	110.1	96.6	97.3	NA	NA	NA
1984 .....	103.7	89.4	92.5	W	W	85.3	103.2	88.8	82.0	102.6	100.5	95.3
1985 .....	104.2	88.9	92.6	W	83.8	85.6	105.1	87.9	82.0	103.4	97.7	94.3
<b>West Virginia</b>												
1983 .....	109.8	102.2	96.8	W	-	W	109.9	102.2	96.6	NA	NA	NA
1984 .....	106.0	97.2	93.2	W	-	W	106.0	97.2	83.0	104.4	100.3	97.5
1985 .....	106.9	95.4	91.9	W	-	88.6	106.9	95.4	91.7	104.9	98.7	95.3
<b>PAD District II Average</b>												
1983 .....	108.4	100.1	98.2	103.5	90.9	84.8	107.4	100.0	97.9	NA	NA	NA
1984 .....	101.7	95.9	92.5	97.2	88.7	88.0	100.3	95.7	92.2	99.3	99.6	93.5
1985 .....	103.3	95.6	93.0	97.1	87.6	86.8	101.7	95.4	92.6	99.0	97.9	94.6

See footnotes at end of table.

**Table 19. Refiner, Gas Plant Operator, and Reseller Sales Prices of Premium Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>Illinois</b>												
1983 .....	108.2	W	98.4	104.3	NA	91.7	108.0	W	98.3	NA	NA	NA
1984 .....	99.2	95.3	92.7	94.6	W	86.4	99.0	95.2	92.6	98.1	104.7	93.9
1985 .....	101.5	96.0	93.8	W	W	88.1	101.2	95.9	93.7	99.5	103.4	94.0
<b>Indiana</b>												
1983 .....	104.0	94.4	98.1	102.4	W	93.5	103.5	94.2	97.6	NA	NA	NA
1984 .....	96.9	92.3	92.7	91.8	W	88.0	95.9	91.8	92.3	98.7	99.7	92.9
1985 .....	98.7	98.1	92.4	91.3	W	87.5	98.0	98.0	82.0	97.1	NA	95.6
<b>Iowa</b>												
1983 .....	108.3	W	W	100.0	-	93.5	101.7	W	98.9	NA	NA	NA
1984 .....	95.9	W	93.5	98.5	-	W	97.7	W	93.5	97.3	97.3	90.9
1985 .....	W	W	94.1	99.2	-	W	98.6	W	94.1	98.9	89.5	82.8
<b>Kansas</b>												
1983 .....	101.4	97.3	W	102.7	-	90.7	102.1	97.3	97.4	NA	NA	NA
1984 .....	W	W	99.1	97.9	W	88.5	97.9	W	92.3	96.2	94.3	94.0
1985 .....	99.1	W	94.2	100.2	W	85.1	100.0	90.0	93.2	97.4	89.8	91.8
<b>Kentucky</b>												
1983 .....	104.8	99.0	97.0	101.4	-	94.0	104.4	99.0	96.9	NA	NA	NA
1984 .....	99.5	95.2	91.6	96.0	-	88.0	99.0	95.2	91.5	99.7	99.4	88.7
1985 .....	100.7	95.1	92.0	91.7	W	87.4	99.4	95.1	91.9	101.5	95.5	89.2
<b>Michigan</b>												
1983 .....	104.5	101.9	98.7	105.8	-	W	105.0	101.9	98.4	NA	NA	NA
1984 .....	99.6	96.0	93.9	W	-	W	97.4	96.0	93.6	102.5	98.1	90.8
1985 .....	98.9	94.7	94.0	W	-	W	97.1	94.7	93.4	99.8	103.3	91.0
<b>Minnesota</b>												
1983 .....	104.9	98.3	100.2	106.2	-	W	105.1	99.3	99.0	NA	NA	NA
1984 .....	100.4	93.8	94.6	W	W	86.7	100.9	93.5	93.1	97.8	95.9	91.0
1985 .....	105.5	W	96.7	108.4	W	88.0	105.9	94.3	96.3	106.9	95.1	93.0
<b>Missouri</b>												
1983 .....	106.8	102.3	98.3	105.3	W	92.5	106.0	102.3	97.7	NA	NA	NA
1984 .....	104.0	109.5	91.1	101.7	-	85.8	103.0	109.5	90.6	105.0	98.7	94.0
1985 .....	107.4	96.5	92.8	102.3	W	86.2	105.0	98.5	92.1	100.0	NA	92.9
<b>Nebraska</b>												
1983 .....	104.8	W	W	W	-	W	106.0	W	98.6	NA	NA	NA
1984 .....	101.7	W	W	W	-	87.4	99.4	W	92.7	102.3	96.0	93.0
1985 .....	W	W	94.0	98.6	-	87.2	98.6	W	93.8	101.4	92.0	93.3
<b>North Dakota</b>												
1983 .....	-	W	W	W	W	96.4	W	W	101.3	NA	NA	NA
1984 .....	-	W	W	W	-	W	W	W	96.6	W	108.2	97.5
1985 .....	W	W	W	W	-	90.9	W	W	W	95.9	107.9	87.5
<b>Ohio</b>												
1983 .....	110.2	102.2	98.9	103.9	W	94.4	109.9	102.1	98.7	NA	NA	NA
1984 .....	103.6	97.1	93.8	97.9	W	87.7	103.4	97.0	93.5	95.9	96.3	90.3
1985 .....	105.7	96.6	93.2	W	W	87.5	105.6	96.6	93.0	97.4	95.7	89.7
<b>Oklahoma</b>												
1983 .....	102.9	94.2	97.6	101.8	W	92.3	102.7	94.2	96.7	NA	NA	NA
1984 .....	102.6	W	89.0	94.7	-	85.4	100.2	W	87.9	101.6	99.7	92.2
1985 .....	102.6	87.4	88.2	94.3	W	86.1	99.9	87.6	87.7	102.0	102.2	94.3

See footnotes at end of table.

**Table 19. Refiner, Gas Plant Operator, and Reseller Sales Prices of Premium Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>South Dakota</b>												
1983 .....	W	-	W	W	-	98.3	W	-	W	NA	NA	NA
1984 .....	W	W	W	W	-	W	W	W	W	101.4	W	W
1985 .....	W	W	W	W	-	W	W	W	W	102.3	90.8	W
<b>Tennessee</b>												
1983 .....	114.2	96.2	96.9	102.8	91.2	91.9	108.0	95.8	98.2	NA	NA	NA
1984 .....	108.0	91.8	90.8	96.0	W	85.0	102.3	90.7	90.1	102.8	98.2	98.3
1985 .....	107.9	91.7	91.2	93.7	W	84.8	101.6	89.6	90.7	101.8	98.0	99.8
<b>Wisconsin</b>												
1983 .....	104.6	100.0	98.6	W	-	W	104.9	100.0	98.1	NA	NA	NA
1984 .....	100.7	94.9	92.9	W	W	W	101.1	89.3	92.4	102.5	107.1	92.2
1985 .....	100.9	94.5	92.4	W	-	86.9	101.3	94.5	92.0	101.6	103.4	91.1
<b>PAD District III Average</b>												
1983 .....	111.8	95.5	85.1	103.4	96.3	90.7	109.7	95.6	94.3	NA	NA	NA
1984 .....	105.7	95.3	89.7	100.0	90.0	85.5	104.2	94.6	88.9	103.3	97.7	96.1
1985 .....	105.1	91.3	89.3	97.2	90.7	85.3	103.1	91.2	88.4	101.6	96.6	95.5
<b>Alabama</b>												
1983 .....	110.7	96.5	96.2	105.7	W	91.2	108.1	96.0	95.4	NA	NA	NA
1984 .....	107.0	89.2	90.0	102.8	88.6	84.8	105.1	89.0	89.1	103.6	101.3	98.9
1985 .....	105.7	90.8	90.0	100.6	88.0	84.9	102.8	90.4	89.3	105.0	101.2	97.5
<b>Arkansas</b>												
1983 .....	115.5	100.1	96.2	W	98.3	92.1	107.3	99.2	95.4	NA	NA	NA
1984 .....	108.7	88.5	90.8	W	93.6	85.7	99.9	90.9	89.4	99.2	92.2	92.1
1985 .....	109.0	89.4	90.1	W	90.2	85.5	98.9	89.7	89.0	100.6	99.5	94.2
<b>Louisiana</b>												
1983 .....	113.6	91.4	95.8	104.0	98.0	91.8	111.3	92.0	95.2	NA	NA	NA
1984 .....	107.4	90.1	90.5	100.8	90.9	87.6	105.8	90.3	89.9	110.1	98.6	98.3
1985 .....	105.9	88.5	89.2	98.9	91.3	90.0	104.4	89.1	89.3	103.3	95.5	97.4
<b>Mississippi</b>												
1983 .....	111.5	96.2	85.1	99.5	W	89.2	107.6	95.9	93.5	NA	NA	NA
1984 .....	103.2	89.9	89.2	101.4	W	84.3	102.4	89.6	88.4	103.2	NA	96.3
1985 .....	104.3	W	88.7	98.7	W	83.7	101.9	88.1	87.7	103.9	99.4	95.8
<b>New Mexico</b>												
1983 .....	W	-	87.0	108.6	NA	96.9	106.0	NA	97.0	NA	NA	NA
1984 .....	99.4	W	93.4	105.1	W	93.0	102.8	W	93.2	W	W	103.2
1985 .....	103.1	W	95.3	W	W	94.4	104.0	W	94.9	109.5	110.2	102.4
<b>Texas</b>												
1983 .....	111.5	97.4	94.4	103.2	96.5	90.1	109.6	97.4	93.5	NA	NA	NA
1984 .....	105.4	98.5	89.3	99.5	88.1	84.8	104.0	97.7	88.3	98.6	91.6	91.6
1985 .....	104.8	92.5	89.1	96.2	91.9	83.9	102.9	92.4	87.8	99.2	95.4	92.0
<b>PAD District IV Average</b>												
1983 .....	101.1	96.0	96.7	109.7	97.4	94.3	105.8	96.4	96.1	NA	NA	NA
1984 .....	95.6	90.3	91.1	99.9	W	87.2	97.7	89.7	90.5	95.5	97.9	94.3
1985 .....	100.7	W	92.6	W	W	87.0	100.1	90.0	91.7	96.4	98.1	94.1
<b>Colorado</b>												
1983 .....	W	96.6	97.4	109.8	-	95.3	105.2	96.6	97.1	NA	NA	NA
1984 .....	95.3	92.2	91.3	W	-	87.1	98.0	92.2	90.7	95.0	94.5	100.2
1985 .....	W	W	93.4	W	-	88.3	100.2	W	92.6	95.7	97.2	97.1

See footnotes at end of table.

**Table 19. Refiner, Gas Plant Operator, and Reseller Sales Prices of Premium Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			All Refiners and Gas Plant Operators			Resellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets*	Other End- Users		Through Company Outlets*	Other End- Users		Through Company Outlets*	Other End- Users		Through Company Outlets*	Other End- Users	
<b>Idaho</b>												
1983 .....	-	-	96.9	109.9	-	95.6	109.9	-	96.2	NA	NA	NA
1984 .....	W	W	W	W	-	W	105.8	W	93.2	104.6	102.5	93.6
1985 .....	W	W	W	W	-	W	W	W	91.9	108.5	102.6	91.7
<b>Montana</b>												
1983 .....	W	-	W	W	-	108.6	W	-	95.0	NA	NA	NA
1984 .....	W	-	W	-	-	84.2	W	-	87.4	104.5	99.0	92.4
1985 .....	W	W	W	W	-	86.3	W	W	87.0	101.1	98.7	95.5
<b>Utah</b>												
1983 .....	W	W	94.6	107.2	W	91.1	109.3	94.9	93.4	NA	NA	NA
1984 .....	W	W	89.7	W	-	W	98.1	W	88.9	93.1	90.5	88.4
1985 .....	W	W	90.7	W	W	84.9	99.9	W	89.6	94.0	87.8	90.6
<b>Wyoming</b>												
1983 .....	-	W	98.6	W	97.5	96.5	W	97.7	98.2	NA	NA	NA
1984 .....	-	W	93.9	W	W	W	W	W	93.5	111.9	W	91.8
1985 .....	-	W	94.6	W	W	86.7	W	W	94.5	105.7	W	99.4
<b>PAD District V Average</b>												
1983 .....	109.8	93.8	95.3	110.3	109.3	90.8	110.0	96.1	95.0	NA	NA	NA
1984 .....	106.9	91.7	93.8	107.1	113.0	86.2	106.9	93.5	93.1	105.9	100.7	96.0
1985 .....	106.0	92.0	93.5	102.4	92.3	88.2	105.3	92.1	93.0	105.6	100.0	94.2
<b>Alaska</b>												
1983 .....	-	W	W	W	NA	NA	W	W	W	NA	NA	NA
1984 .....	-	W	W	W	-	W	W	W	W	114.2	99.7	
1985 .....	-	W	W	-	W	W	-	W	98.5	W	111.7	101.5
<b>Arizona</b>												
1983 .....	108.6	W	91.5	110.3	98.1	92.1	109.9	90.8	91.5	NA	NA	NA
1984 .....	105.9	W	91.0	107.7	W	90.7	106.7	W	91.0	110.1	99.7	91.2
1985 .....	105.6	W	92.3	110.2	W	93.0	106.2	92.4	92.3	108.6	108.9	96.3
<b>California</b>												
1983 .....	109.8	94.7	95.5	112.4	109.4	90.7	110.6	97.6	95.2	NA	NA	NA
1984 .....	107.2	91.8	94.0	109.6	113.6	85.8	107.6	94.0	93.2	105.5	100.6	96.3
1985 .....	106.5	92.1	93.5	100.7	92.4	87.8	105.3	92.2	93.0	105.2	99.8	93.4
<b>Hawaii</b>												
1983 .....	-	90.7	98.6	W	-	W	W	90.7	98.1	NA	NA	NA
1984 .....	W	91.1	87.7	W	-	W	W	91.1	97.7	108.9	107.3	106.7
1985 .....	W	93.5	97.5	W	-	W	W	93.5	97.6	W	W	103.4
<b>Nevada</b>												
1983 .....	107.1	W	97.3	116.4	NA	W	110.3	94.5	96.6	NA	NA	NA
1984 .....	99.8	89.5	93.9	110.9	-	W	101.2	89.5	93.2	100.2	98.5	90.2
1985 .....	101.9	W	93.5	W	W	W	102.1	89.8	93.3	101.6	101.1	98.0
<b>Oregon</b>												
1983 .....	114.1	94.6	94.1	W	-	91.1	110.9	94.6	93.9	NA	NA	NA
1984 .....	113.1	95.1	92.1	W	-	87.7	108.6	95.1	91.9	107.2	100.1	96.4
1985 .....	110.7	95.1	92.7	W	-	88.8	108.7	95.1	92.5	105.8	101.3	94.7
<b>Washington</b>												
1983 .....	109.4	91.1	93.1	W	W	89.7	104.4	91.1	92.9	NA	NA	NA
1984 .....	105.4	89.9	92.4	W	W	90.3	102.5	89.9	92.2	105.6	102.5	98.8
1985 .....	103.7	88.5	91.9	W	W	89.1	103.4	88.5	91.8	105.7	100.1	98.3

\* Sales through company-operated retail outlets.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

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

**Table 20. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Grade, PAD District, and State,  
1984 - 1985**  
(Cents per Gallon Excluding Taxes)

Geographic Area Year	Leaded Regular			Unleaded Regular			Premium			Finished Motor Gasoline		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>U.S. Average</b>												
1984 .....	87.2	88.5	80.4	93.2	90.3	84.9	101.8	97.6	92.4	92.0	90.1	83.8
1985 .....	86.5	88.2	80.1	93.3	90.3	84.9	102.3	97.0	92.8	92.4	89.9	84.1
<b>PAD District I Average</b>												
1984 .....	85.7	86.6	80.1	92.3	89.4	84.8	102.5	96.9	92.4	91.6	89.0	84.2
1985 .....	86.0	86.2	80.3	93.6	89.0	85.2	104.2	97.2	93.3	93.4	89.0	85.2
<b>Subdistrict IA Average</b>												
1984 .....	86.8	85.8	80.7	93.1	88.0	85.4	105.7	95.0	92.7	93.4	87.7	85.3
1985 .....	86.1	86.5	82.5	95.5	89.4	87.0	106.8	96.8	95.2	95.9	89.2	87.6
<b>Connecticut</b>												
1984 .....	85.4	84.9	80.6	93.3	88.8	85.3	108.9	94.9	93.2	94.4	87.5	85.6
1985 .....	86.0	85.1	82.6	94.5	90.6	87.4	107.3	98.6	95.4	95.4	89.4	88.3
<b>Maine</b>												
1984 .....	91.6	89.7	81.7	95.8	91.1	85.7	104.8	96.0	91.4	95.2	90.7	84.6
1985 .....	93.0	89.7	83.5	98.5	92.8	87.7	107.5	101.7	94.3	98.1	92.0	86.9
<b>Massachusetts</b>												
1984 .....	84.0	84.0	79.7	91.5	86.4	85.0	104.4	94.5	92.3	92.0	86.6	84.9
1985 .....	85.5	84.2	81.3	94.4	86.6	86.1	106.8	97.0	95.0	95.0	87.2	86.9
<b>New Hampshire</b>												
1984 .....	88.7	87.2	82.3	94.0	87.8	86.8	104.7	94.2	93.3	94.0	87.7	86.7
1985 .....	89.8	90.0	85.0	96.7	90.8	89.2	107.0	97.2	96.4	96.8	91.1	89.5
<b>Rhode Island</b>												
1984 .....	82.6	84.3	80.0	88.3	87.5	84.7	99.9	96.6	91.8	89.1	86.5	84.7
1985 .....	85.5	83.6	81.6	92.7	87.9	86.3	102.4	86.6	94.2	93.4	86.0	86.8
<b>Vermont</b>												
1984 .....	93.7	90.8	85.2	99.1	92.6	89.5	107.5	98.5	97.4	98.0	91.8	89.1
1985 .....	93.0	91.5	86.6	99.3	94.9	91.9	108.5	100.1	99.0	98.4	93.3	91.5
<b>Subdistrict IB Average</b>												
1984 .....	86.2	86.6	79.1	92.0	89.1	84.4	102.7	97.5	92.6	91.6	88.9	83.6
1985 .....	86.9	86.3	79.5	93.4	88.8	85.0	104.7	97.2	93.8	93.4	88.8	85.0
<b>Delaware</b>												
1984 .....	84.3	85.9	79.1	90.8	87.5	80.5	102.4	94.5	85.1	90.6	87.4	81.3
1985 .....	86.6	89.1	82.9	92.7	90.7	85.6	104.0	99.3	91.5	92.9	91.0	86.7
<b>District of Columbia</b>												
1984 .....	W	83.1	82.0	W	88.5	86.5	W	93.1	94.4	W	87.6	89.3
1985 .....	-	82.7	82.9	-	87.9	86.9	-	94.0	95.4	-	88.0	90.2
<b>Maryland</b>												
1984 .....	88.0	87.0	81.9	94.3	88.7	86.1	106.7	98.0	93.0	93.9	89.3	86.4
1985 .....	86.7	87.8	81.9	92.9	90.0	86.3	103.4	99.9	94.0	92.7	90.7	87.1
<b>New Jersey</b>												
1984 .....	85.2	85.5	76.9	92.0	89.0	82.4	103.7	95.9	92.2	93.1	88.9	81.3
1985 .....	87.5	86.1	77.8	94.9	86.9	83.9	107.4	95.9	93.1	96.7	88.3	83.8
<b>New York</b>												
1984 .....	87.8	88.8	81.4	93.1	90.8	86.7	104.2	102.6	95.0	92.3	90.7	85.9
1985 .....	87.9	86.7	78.7	94.1	88.9	85.7	105.4	97.1	95.4	93.7	88.7	85.5

See footnotes at end of table.

**Table 20. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Grade, PAD District, and State, 1984 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Leaded Regular			Unleaded Regular			Premium			Finished Motor Gasoline		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Pennsylvania</b>												
1984 .....	85.3	85.0	79.3	90.8	88.3	83.9	100.3	95.3	90.8	90.1	87.4	83.1
1985 .....	86.2	85.4	80.6	92.2	88.7	85.0	102.2	96.4	92.6	91.7	88.1	84.7
<b>Subdistrict IC Average</b>												
1984 .....	85.3	86.8	81.0	92.4	89.9	85.1	101.7	98.7	92.1	91.3	89.4	84.6
1985 .....	85.1	86.1	80.6	93.4	89.2	84.8	103.4	97.3	92.1	92.8	89.1	84.7
<b>Florida</b>												
1984 .....	85.4	87.4	81.1	93.1	89.0	85.3	102.9	96.2	92.5	92.1	89.3	85.0
1985 .....	84.3	85.3	80.8	93.6	87.2	85.3	102.8	94.8	93.3	93.0	87.6	85.5
<b>Georgia</b>												
1984 .....	83.3	88.9	80.8	90.8	91.5	84.3	98.8	97.4	92.0	89.1	91.5	84.6
1985 .....	84.8	88.2	80.2	93.5	91.2	83.9	103.8	99.3	91.2	92.5	91.5	84.2
<b>North Carolina</b>												
1984 .....	84.9	85.1	80.7	91.7	90.1	84.8	100.2	96.8	91.3	90.4	88.1	83.9
1985 .....	84.7	85.9	80.4	92.7	90.9	84.6	103.2	99.1	91.4	92.0	89.4	84.1
<b>South Carolina</b>												
1984 .....	83.9	85.0	80.6	91.2	89.2	84.6	101.2	94.4	91.3	89.3	87.7	83.9
1985 .....	83.6	84.0	79.9	91.6	87.5	83.9	101.5	95.5	91.2	90.1	87.3	83.5
<b>Virginia</b>												
1984 .....	86.9	86.5	80.8	93.1	89.4	85.5	103.0	97.4	92.4	93.1	89.0	84.9
1985 .....	86.6	85.3	81.0	93.7	88.0	85.3	104.5	95.2	92.5	94.6	87.8	85.2
<b>West Virginia</b>												
1984 .....	90.5	88.2	84.5	96.5	92.2	88.3	105.0	99.3	94.6	95.0	91.0	87.6
1985 .....	89.8	88.1	83.3	96.5	92.6	87.3	106.0	97.8	93.0	95.2	91.4	86.7
<b>PAD District II Average</b>												
1984 .....	87.9	90.8	81.5	93.2	91.2	85.1	99.8	98.2	92.6	92.1	91.4	84.0
1985 .....	87.2	90.6	81.2	93.5	91.8	85.3	100.3	97.0	93.2	92.5	91.5	84.4
<b>Illinois</b>												
1984 .....	86.1	93.0	81.0	90.8	91.9	84.8	98.5	103.7	92.8	91.0	93.2	84.1
1985 .....	86.1	91.9	81.2	92.1	94.0	85.4	100.0	103.0	93.8	92.6	93.3	85.1
<b>Indiana</b>												
1984 .....	89.1	89.7	81.7	94.5	91.8	85.5	98.1	98.9	92.5	92.8	91.2	84.4
1985 .....	86.7	89.4	80.6	92.7	90.9	84.8	97.3	NA	92.8	91.9	91.0	83.8
<b>Iowa</b>												
1984 .....	91.8	94.0	81.8	95.9	94.3	85.0	97.5	97.2	92.3	94.8	94.1	84.1
1985 .....	91.5	92.0	82.0	96.2	94.6	85.8	97.6	89.5	93.6	94.7	92.6	84.6
<b>Kansas</b>												
1984 .....	91.1	89.7	78.8	94.2	90.1	82.1	97.1	93.8	92.6	93.5	89.9	80.8
1985 .....	90.5	90.2	78.6	95.6	93.0	82.5	98.3	90.0	93.1	94.7	91.0	81.1
<b>Kentucky</b>												
1984 .....	86.4	89.4	82.7	92.2	90.7	85.8	99.3	98.5	90.9	91.2	91.3	85.3
1985 .....	86.6	87.8	82.3	94.0	89.8	86.2	100.5	95.3	91.6	92.8	89.4	85.8
<b>Michigan</b>												
1984 .....	86.8	92.8	82.5	91.8	91.6	86.1	99.6	97.1	93.0	91.2	92.4	85.3
1985 .....	86.3	92.5	81.8	92.4	92.9	85.9	98.3	100.8	92.7	91.1	93.0	85.1

See footnotes at end of table.

**Table 20. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Grade, PAD District, and State, 1984 - 1985—Continued**  
(Cents per Gallon Excluding Taxes)

Geographic Area Year	Leaded Regular			Unleaded Regular			Premium			Finished Motor Gasoline		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Minnesota</b>												
1984 .....	90.2	91.5	82.9	94.2	90.9	86.2	100.5	95.7	92.7	92.4	91.4	84.7
1985 .....	91.1	92.1	83.6	96.7	91.6	87.4	106.3	95.0	95.7	95.3	92.0	86.2
<b>Missouri</b>												
1984 .....	87.3	89.7	81.2	92.8	90.9	85.0	104.0	99.2	91.8	91.2	90.6	83.6
1985 .....	86.7	92.2	81.7	92.6	93.7	85.3	102.3	NA	92.2	90.8	92.7	84.1
<b>Nebraska</b>												
1984 .....	90.6	91.0	81.5	96.2	91.3	84.8	101.1	96.0	92.9	95.7	91.4	84.5
1985 .....	92.4	90.0	82.2	98.4	91.4	86.0	100.5	91.9	93.4	96.8	90.5	85.2
<b>North Dakota</b>												
1984 .....	96.5	95.4	82.8	100.8	98.4	86.2	W	W	96.6	98.2	96.4	84.2
1985 .....	98.6	98.6	82.5	102.0	101.3	86.1	96.2	105.2	98.2	99.3	99.5	84.4
<b>Ohio</b>												
1984 .....	85.9	88.0	81.8	92.9	90.4	85.4	101.5	97.0	92.9	91.6	89.6	84.7
1985 .....	84.7	86.7	80.7	93.2	89.4	84.8	103.5	96.5	92.5	92.2	88.7	84.2
<b>Oklahoma</b>												
1984 .....	89.0	88.4	79.9	93.8	87.2	83.7	100.7	W	88.9	92.2	88.0	81.6
1985 .....	88.8	86.8	80.1	94.5	88.6	84.5	100.9	90.4	90.1	92.8	87.6	82.3
<b>South Dakota</b>												
1984 .....	96.6	94.8	82.1	101.2	97.6	85.6	101.4	95.9	93.4	98.0	95.3	83.7
1985 .....	94.0	95.3	82.7	99.4	99.2	86.4	102.2	92.7	94.2	96.4	96.1	84.4
<b>Tennessee</b>												
1984 .....	84.6	85.1	81.6	93.0	87.9	85.4	102.5	96.5	93.6	90.8	87.7	84.8
1985 .....	83.1	85.5	81.2	92.3	88.2	85.4	101.7	96.5	94.8	90.3	88.4	85.3
<b>Wisconsin</b>												
1984 .....	89.3	92.5	81.9	94.3	94.4	85.1	101.9	105.0	92.3	92.6	93.1	83.9
1985 .....	88.9	92.1	81.4	94.1	92.8	85.1	101.4	102.2	91.8	92.6	92.5	83.9
<b>PAD District III Average</b>												
1984 .....	86.7	84.6	79.0	93.1	89.3	83.0	103.9	97.3	90.7	92.2	87.9	81.7
1985 .....	85.6	86.7	78.1	91.9	89.8	82.5	102.6	95.8	90.0	91.5	88.7	81.2
<b>Alabama</b>												
1984 .....	86.8	86.3	81.6	93.8	91.4	85.1	104.2	98.2	93.0	91.4	89.2	84.5
1985 .....	87.5	85.7	80.6	95.4	90.5	84.7	103.8	98.8	91.8	93.4	89.3	83.9
<b>Arkansas</b>												
1984 .....	84.9	88.0	80.8	92.7	90.9	84.3	99.5	92.0	89.9	89.3	89.1	82.8
1985 .....	84.3	86.9	80.5	92.6	91.2	84.8	100.0	98.0	90.2	89.1	89.2	83.1
<b>Louisiana</b>												
1984 .....	86.5	81.6	80.3	92.9	87.3	83.4	107.8	98.3	93.0	93.8	87.2	84.1
1985 .....	84.3	81.6	79.1	91.2	86.3	82.4	104.2	94.9	91.9	92.2	86.5	83.2
<b>Mississippi</b>												
1984 .....	89.0	89.4	79.9	95.2	91.4	83.5	103.0	NA	90.8	93.2	93.6	82.5
1985 .....	88.6	83.0	79.3	95.0	85.5	82.7	103.4	98.0	90.0	93.4	85.2	82.2
<b>New Mexico</b>												
1984 .....	91.9	92.7	83.6	96.7	95.9	87.5	103.5	109.2	95.6	95.1	94.0	85.6
1985 .....	92.3	93.3	84.9	97.6	97.6	88.8	105.4	101.5	95.9	95.6	95.4	87.1

See footnotes at end of table.

**Table 20. Refiner, Gas Plant Operator, and Reseller Sales Prices of Finished Motor Gasoline by Grade, PAD District, and State, 1984 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Leaded Regular			Unleaded Regular			Premium			Finished Motor Gasoline		
	Sales to End-Users		Sales for Resale									
	Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users		Through Company Outlets <sup>a</sup>	Other End- Users	
<b>Texas</b>												
1984 .....	86.1	83.6	77.7	92.6	88.7	82.1	103.0	93.7	88.9	91.9	88.0	80.3
1985 .....	84.7	88.0	76.7	91.0	90.4	81.4	102.1	94.4	88.4	90.9	89.2	79.7
<b>PAD District IV Average</b>												
1984 .....	88.7	90.4	80.9	92.9	90.9	84.4	96.9	97.3	91.1	91.5	90.6	82.6
1985 .....	89.3	89.2	81.1	95.0	90.4	84.7	99.1	97.6	92.2	93.2	89.9	83.0
<b>Colorado</b>												
1984 .....	85.3	86.6	79.5	91.7	88.7	83.3	96.9	94.4	91.6	90.7	87.5	81.6
1985 .....	88.3	89.3	81.2	96.5	91.0	85.1	99.0	97.1	93.2	94.3	90.2	83.5
<b>Idaho</b>												
1984 .....	92.9	91.9	83.9	96.7	95.6	87.8	104.8	101.4	93.3	94.5	92.6	85.5
1985 .....	91.6	89.4	82.2	95.8	90.6	85.8	107.6	100.4	91.9	93.5	89.9	83.7
<b>Montana</b>												
1984 .....	90.3	93.1	80.1	94.5	94.4	83.4	101.9	99.0	89.0	92.1	93.6	81.3
1985 .....	90.5	91.7	79.9	94.5	92.8	83.7	99.8	98.6	90.8	92.3	92.5	81.4
<b>Utah</b>												
1984 .....	88.2	85.0	80.7	91.7	86.0	83.7	95.5	89.8	88.8	90.2	85.5	82.3
1985 .....	87.5	82.5	80.0	91.3	84.7	83.3	98.5	88.6	89.9	89.8	83.5	81.9
<b>Wyoming</b>												
1984 .....	96.2	91.3	82.4	99.8	91.5	86.2	111.9	89.6	93.4	97.7	91.4	84.0
1985 .....	94.2	89.6	82.9	97.1	90.7	86.6	105.7	93.1	94.7	95.6	90.1	84.6
<b>PAD District V Average</b>												
1984 .....	87.8	88.8	80.8	95.3	90.8	86.5	106.4	98.8	93.5	92.5	90.9	85.2
1985 .....	85.7	86.8	80.5	93.4	90.2	86.3	105.4	97.5	93.2	91.3	89.7	85.2
<b>Alaska</b>												
1984 .....	89.6	113.1	83.3	96.7	96.9	88.0	W	102.4	93.5	92.9	106.8	85.8
1985 .....	98.2	102.8	86.0	103.5	96.9	90.7	W	98.9	96.7	100.9	100.1	88.8
<b>Arizona</b>												
1984 .....	88.0	87.0	80.9	95.9	90.2	85.3	108.2	98.0	91.0	92.6	89.4	83.5
1985 .....	87.2	86.6	82.7	95.4	90.0	87.0	107.0	99.7	92.9	92.7	89.1	85.5
<b>California</b>												
1984 .....	87.7	87.3	80.5	95.3	90.5	86.5	106.6	98.8	93.6	92.6	90.6	85.5
1985 .....	84.3	85.0	79.6	92.4	89.7	86.1	105.3	97.4	93.0	90.6	89.2	85.2
<b>Hawaii</b>												
1984 .....	100.0	86.2	89.0	107.2	90.1	93.6	115.5	93.6	97.9	106.3	90.0	94.1
1985 .....	98.5	85.0	89.0	108.9	87.8	94.3	122.1	95.7	97.8	106.9	88.2	94.5
<b>Nevada</b>												
1984 .....	85.5	88.0	80.7	93.1	90.8	85.9	100.5	94.6	92.8	89.9	89.7	84.3
1985 .....	84.3	88.7	81.2	92.5	93.1	86.7	101.8	99.3	93.7	89.1	91.3	85.0
<b>Oregon</b>												
1984 .....	90.7	90.8	81.1	96.3	93.6	86.2	107.5	99.8	92.7	93.7	92.0	83.8
1985 .....	90.2	90.5	81.2	96.6	93.2	86.3	106.2	100.9	93.1	94.1	91.9	84.1
<b>Washington</b>												
1984 .....	87.1	87.5	81.3	93.5	90.3	86.6	104.1	99.1	93.0	90.9	89.0	84.5
1985 .....	86.0	87.9	80.6	93.1	89.5	85.7	104.6	96.3	92.7	90.6	88.9	83.9

\* Sales through company-operated retail outlets.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

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

**Table 21. Refiner and Gas Plant Operator Sales Prices of Selected Petroleum Products to End-Users by PAD District and State, 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate	Propane (Consumer Grade)
<b>U.S. Average .....</b>	<b>120.1</b>	<b>79.6</b>	<b>103.0</b>	<b>88.0</b>	<b>79.9</b>	<b>71.7</b>
<b>PAD District I Average .....</b>	<b>121.4</b>	<b>78.5</b>	<b>104.9</b>	<b>87.4</b>	<b>82.7</b>	<b>91.5</b>
<b>Subdistrict IA Average .....</b>	<b>124.3</b>	<b>82.3</b>	<b>106.9</b>	<b>87.9</b>	<b>87.8</b>	<b>99.7</b>
Connecticut .....	NA	84.9	96.2	86.2	96.1	98.5
Maine .....	W	W	114.7	95.0	83.3	88.3
Massachusetts .....	121.9	81.5	99.3	88.6	85.0	105.3
New Hampshire .....	NA	88.2	114.5	NA	87.2	100.8
Rhode Island .....	NA	W	109.6	NA	86.7	103.2
Vermont .....	NA	W	W	NA	92.2	98.3
<b>Subdistrict IB Average .....</b>	<b>W</b>	<b>78.1</b>	<b>108.2</b>	<b>87.3</b>	<b>84.7</b>	<b>93.3</b>
Delaware .....	NA	89.5	111.7	NA	84.0	94.9
District of Columbia .....	NA	W	W	NA	82.4	W
Maryland .....	NA	78.3	106.2	NA	81.4	95.0
New Jersey .....	W	77.7	90.8	85.2	82.7	102.9
New York .....	W	87.9	115.8	87.4	88.0	102.5
Pennsylvania .....	W	78.9	109.8	92.4	84.4	76.5
<b>Subdistrict IC Average .....</b>	<b>118.7</b>	<b>78.3</b>	<b>93.2</b>	<b>87.7</b>	<b>79.0</b>	<b>84.4</b>
Florida .....	116.4	79.7	W	83.8	80.0	96.4
Georgia .....	117.8	76.4	89.6	87.5	78.4	W
North Carolina .....	W	77.9	91.5	84.1	77.2	80.0
South Carolina .....	122.5	82.5	102.0	92.7	79.0	86.6
Virginia .....	W	78.2	95.1	85.4	78.3	80.2
West Virginia .....	W	92.8	99.9	94.1	82.2	76.1
<b>PAD District II Average .....</b>	<b>118.6</b>	<b>80.2</b>	<b>101.9</b>	<b>86.6</b>	<b>79.6</b>	<b>71.4</b>
Illinois .....	W	81.0	90.3	86.3	78.4	76.3
Indiana .....	109.4	78.4	122.1	90.7	79.2	74.3
Iowa .....	NA	84.8	W	84.9	79.9	70.8
Kansas .....	NA	80.2	W	80.4	76.7	35.5
Kentucky .....	W	83.3	92.3	92.1	80.1	45.1
Michigan .....	112.8	82.2	109.9	94.1	80.6	W
Minnesota .....	NA	80.1	W	84.2	78.5	W
Missouri .....	NA	79.7	130.3	83.9	77.9	78.2
Nebraska .....	W	83.5	W	85.2	76.2	59.4
North Dakota .....	NA	86.9	NA	91.8	81.2	W
Ohio .....	W	81.6	105.6	88.9	82.6	80.9
Oklahoma .....	110.3	79.2	88.6	W	76.5	60.1
South Dakota .....	W	84.9	NA	88.8	79.9	-
Tennessee .....	W	78.7	88.0	84.9	77.9	74.3
Wisconsin .....	110.3	83.5	-	82.1	79.3	W
<b>PAD District III Average .....</b>	<b>114.5</b>	<b>76.9</b>	<b>85.8</b>	<b>84.4</b>	<b>77.2</b>	<b>42.6</b>
Alabama .....	117.6	83.3	90.0	NA	77.4	W
Arkansas .....	111.5	80.4	93.2	NA	77.9	74.2
Louisiana .....	116.8	77.0	88.3	NA	76.5	43.6
Mississippi .....	115.8	78.9	86.4	NA	76.6	61.7
New Mexico .....	117.3	84.2	W	88.2	87.1	62.4
Texas .....	113.1	76.5	83.5	84.7	76.7	36.9
<b>PAD District IV Average .....</b>	<b>121.6</b>	<b>82.0</b>	<b>W</b>	<b>88.8</b>	<b>78.0</b>	<b>65.7</b>
Colorado .....	W	80.2	W	85.6	77.4	52.5
Idaho .....	W	90.2	NA	89.8	80.4	80.5
Montana .....	W	89.7	NA	86.0	76.4	61.7
Utah .....	W	84.4	NA	87.0	78.8	70.5
Wyoming .....	118.4	88.1	NA	86.3	78.4	71.9
<b>PAD District V Average .....</b>	<b>123.7</b>	<b>81.8</b>	<b>143.7</b>	<b>91.9</b>	<b>77.7</b>	<b>W</b>
Alaska .....	W	81.9	NA	NA	86.9	112.1
Arizona .....	119.9	83.7	NA	NA	80.2	W
California .....	114.5	81.1	NA	85.4	76.1	82.8
Hawaii .....	W	83.8	NA	NA	85.8	-
Nevada .....	W	84.0	NA	87.8	75.3	W
Oregon .....	W	83.1	NA	W	77.2	81.1
Washington .....	121.0	81.4	NA	90.9	77.7	80.1

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Note: PAD District and National averages represent data for all States. However, in certain PAD Districts prices for Finished Aviation Gasoline, Kerosene, and No. 1 Distillate are not shown for every State.

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

**Table 22. Refiner and Gas Plant Operator Sales Prices of Selected Petroleum Products for Resale by PAD District and State, 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate	Propane (Consumer Grade)
<b>U.S. Average</b>	<b>113.0</b>	<b>79.4</b>	<b>87.4</b>	<b>86.3</b>	<b>77.4</b>	<b>39.8</b>
<b>PAD District I Average</b>	<b>115.3</b>	<b>82.2</b>	<b>88.1</b>	<b>86.7</b>	<b>78.6</b>	<b>44.9</b>
Subdistrict IA Average	122.3	89.6	91.2	86.9	80.6	48.6
Connecticut	NA	W	91.5	91.6	80.1	46.4
Maine	126.4	96.2	92.1	88.1	80.7	48.3
Massachusetts	122.4	84.8	88.4	84.9	80.6	49.7
New Hampshire	NA	W	92.6	NA	82.3	48.9
Rhode Island	NA	W	92.8	NA	80.1	50.7
Vermont	NA	W	92.6	NA	82.4	49.8
Subdistrict IB Average	117.7	81.1	88.3	86.9	78.3	45.5
Delaware	NA	W	77.6	NA	74.9	44.5
District of Columbia	NA	-	89.6	NA	78.7	-
Maryland	NA	87.0	89.9	NA	79.7	47.5
New Jersey	113.0	81.3	88.8	85.3	77.3	44.6
New York	124.1	83.7	89.7	W	80.3	46.0
Pennsylvania	121.1	79.6	88.8	88.5	79.6	45.6
Subdistrict IC Average	113.0	85.0	87.2	86.4	77.9	43.9
Florida	112.0	83.6	88.9	88.0	79.0	45.1
Georgia	114.3	90.0	85.9	85.6	77.1	42.9
North Carolina	112.2	86.3	87.5	84.5	77.2	43.3
South Carolina	113.1	90.2	88.0	86.1	77.5	42.8
Virginia	118.6	85.3	85.7	86.1	78.1	45.8
West Virginia	122.4	89.4	89.5	92.4	79.3	41.3
<b>PAD District II Average</b>	<b>108.9</b>	<b>81.2</b>	<b>89.0</b>	<b>85.9</b>	<b>78.3</b>	<b>38.8</b>
Illinois	109.2	83.2	85.0	86.1	78.1	42.8
Indiana	105.9	81.2	88.7	86.3	77.7	42.3
Iowa	NA	90.2	90.7	87.5	79.6	40.6
Kansas	NA	77.4	91.9	80.8	76.3	36.4
Kentucky	114.3	80.1	89.2	87.7	78.6	41.8
Michigan	104.5	83.6	92.7	85.9	79.5	40.0
Minnesota	NA	82.9	91.8	87.9	79.3	41.1
Missouri	NA	85.9	86.9	84.5	78.0	40.3
Nebraska	112.1	87.8	92.3	87.5	78.7	39.8
North Dakota	NA	89.2	NA	89.8	80.5	34.8
Ohio	110.1	82.0	89.8	87.8	80.1	41.7
Oklahoma	105.6	80.5	88.1	79.0	76.1	36.7
South Dakota	114.2	91.2	NA	89.0	80.0	41.6
Tennessee	111.1	88.4	86.2	86.2	77.4	43.7
Wisconsin	112.6	89.8	78.0	86.5	78.6	41.3
<b>PAD District III Average</b>	<b>109.3</b>	<b>77.4</b>	<b>81.3</b>	<b>84.1</b>	<b>75.5</b>	<b>37.7</b>
Alabama	114.9	76.5	90.2	NA	76.0	41.5
Arkansas	111.1	82.4	82.6	NA	76.6	43.1
Louisiana	110.9	77.5	84.1	NA	74.5	38.2
Mississippi	109.4	75.0	75.0	NA	75.4	40.3
New Mexico	114.8	85.9	92.2	86.6	81.3	33.1
Texas	108.2	77.5	84.2	81.3	75.4	37.5
<b>PAD District IV Average</b>	<b>117.6</b>	<b>84.1</b>	<b>87.0</b>	<b>88.5</b>	<b>79.3</b>	<b>37.7</b>
Colorado	115.3	82.1	91.9	84.8	77.9	37.5
Idaho	122.3	95.9	NA	89.1	81.4	45.8
Montana	119.2	83.8	NA	86.5	78.4	36.9
Utah	116.9	90.0	NA	87.0	79.8	44.5
Wyoming	117.7	82.5	NA	86.9	80.1	35.2
<b>PAD District V Average</b>	<b>117.9</b>	<b>80.7</b>	<b>88.9</b>	<b>88.6</b>	<b>75.9</b>	<b>50.5</b>
Alaska	W	82.2	NA	NA	84.1	59.8
Arizona	121.2	90.8	NA	NA	80.4	W
California	112.9	79.6	NA	86.7	75.0	50.7
Hawaii	W	W	NA	NA	88.8	W
Nevada	119.7	95.1	NA	86.2	78.0	50.1
Oregon	117.5	89.9	NA	86.1	76.8	50.4
Washington	117.2	80.2	NA	86.5	74.4	42.3

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Note: PAD District and National averages represent data for all States. However, in certain PAD Districts prices for Finished Aviation Gasoline, Kerosene, and No. 1 Distillate are not shown for every State.

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

**Table 23. Sales Prices of No. 2 Distillate to Residences for Selected States, 1978 - 1985**  
 (Cents per Gallon Excluding Taxes)

Year	U.S. Average	CT	ME	MA	NH	RI	VT	DE	DC	MD	NJ	NY	
1978 .....	49.0	50.1	48.6	48.8	50.3	50.7	50.8	47.8	50.7	49.2	49.6	50.1	
1979 .....	70.4	72.0	68.8	70.9	72.5	72.8	72.5	68.2	74.2	70.1	71.0	71.2	
1980 .....	97.4	98.3	96.3	97.8	100.4	101.1	101.5	95.4	102.6	97.9	97.9	98.2	
1981 .....	119.4	121.7	120.4	121.3	123.7	123.8	125.4	117.3	127.4	121.4	121.5	123.2	
1982 .....	116.0	118.3	115.5	117.6	117.4	120.1	120.1	111.3	124.5	117.1	117.4	120.5	
1983 .....	107.8	109.1	102.8	109.1	104.1	110.5	112.9	106.0	117.0	110.3	107.9	112.1	
1984 .....	109.1	112.1	103.9	111.6	108.4	111.4	111.9	109.6	118.7	113.5	111.0	115.5	
1985 .....	105.3	108.0	99.7	107.0	102.4	106.7	107.7	104.6	114.3	108.8	105.9	111.3	
	PA	VA	WV	IL	IN	MI	MN	OH	WI	ID	AK	OR	WA
1978 .....	48.8	49.1	46.2	46.5	48.5	47.9	47.8	47.4	44.7	43.6	53.2	45.8	48.6
1979 .....	69.8	70.4	65.1	68.8	72.7	70.9	72.4	68.6	67.3	62.1	68.2	68.0	69.7
1980 .....	96.4	98.5	92.2	95.8	99.6	97.8	99.9	91.9	91.5	91.8	97.8	97.3	100.8
1981 .....	118.1	120.5	115.0	114.9	118.5	118.3	118.4	113.2	109.1	110.4	118.0	111.4	116.5
1982 .....	113.7	117.7	109.3	110.9	114.3	113.9	115.1	110.2	107.8	110.4	117.4	111.6	117.6
1983 .....	105.8	108.7	101.0	100.4	100.7	106.4	103.1	101.3	101.2	101.8	108.8	103.6	109.0
1984 .....	107.9	110.5	102.1	100.1	103.1	105.0	104.1	102.1	101.0	98.5	106.9	99.3	102.6
1985 .....	102.3	106.3	98.0	97.5	99.1	102.1	101.9	99.7	98.3	97.2	108.3	97.1	101.1

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report," 1983 forward. Energy Information Administration Form EIA-9A, "No. 2 Distillate Price Monitoring Report," source for backcast estimates 1978 through 1982.

**Table 24. Sales Prices of No. 2 Distillate by Type of Seller, PAD District, and Selected States, 1984 - 1985 (Cents per Gallon Excluding Taxes)**

Geographic Area Year	Refiners and Gas Plant Operators			Resellers and Retailers			All Sellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	To Residential Consumers <sup>a</sup>	To Non- Residential End-Users		To Residential Consumers <sup>a</sup>	To Non- Residential End-Users		To Residential Consumers <sup>a</sup>	To Non- Residential End-Users	
<b>U.S. Average</b>									
1984 .....	108.3	82.6	81.3	109.2	91.3	83.3	109.1	87.8	81.9
1985 .....	102.3	78.9	77.4	105.5	87.8	79.9	105.3	84.2	78.1
<b>PAD District I Average</b>									
1984 .....	110.0	85.0	83.3	111.4	92.6	84.1	111.3	89.8	83.6
1985 .....	102.9	80.1	78.6	107.1	89.2	80.6	106.8	85.4	79.3
<b>Subdistrict IA Average</b>									
1984 .....	112.8	86.8	84.6	110.6	96.8	85.8	110.8	93.5	85.0
1985 .....	106.4	81.4	80.6	106.3	93.5	81.9	106.3	88.8	81.2
<b>Connecticut</b>									
1984 .....	112.1	89.2	84.6	112.1	96.4	86.8	112.1	94.6	85.8
1985 .....	107.4	83.2	80.1	108.1	92.6	81.7	108.0	90.4	81.1
<b>Maine</b>									
1984 .....	W	87.7	84.8	104.1	97.6	87.3	103.9	94.4	85.3
1985 .....	W	82.0	80.7	99.8	93.7	84.1	99.7	90.1	81.9
<b>Massachusetts</b>									
1984 .....	115.6	85.3	84.2	111.3	96.1	84.6	111.6	92.3	84.3
1985 .....	107.2	80.3	80.6	107.0	93.3	82.2	107.0	86.5	81.0
<b>New Hampshire</b>									
1984 .....	W	89.4	85.6	108.6	97.1	84.7	108.4	94.6	85.2
1985 .....	W	84.2	82.3	102.6	92.6	82.8	102.4	90.2	82.6
<b>Rhode Island</b>									
1984 .....	112.7	85.9	84.8	111.4	97.9	83.8	111.4	93.8	84.5
1985 .....	105.5	81.6	80.1	106.7	95.9	80.0	106.7	90.6	80.1
<b>Vermont</b>									
1984 .....	W	92.9	85.6	112.1	102.1	88.2	111.9	99.3	86.7
1985 .....	W	86.8	82.4	108.0	96.6	85.6	107.7	94.2	83.5
<b>Subdistrict IB Average</b>									
1984 .....	109.3	86.6	83.5	112.5	94.7	83.6	112.2	90.9	83.5
1985 .....	101.8	81.1	78.3	108.0	89.6	79.9	107.5	85.9	78.9
<b>Delaware</b>									
1984 .....	W	84.3	80.0	109.4	93.4	86.8	109.6	90.4	80.8
1985 .....	W	81.6	74.9	104.5	91.7	NA	104.6	89.5	78.5
<b>District of Columbia</b>									
1984 .....	W	84.6	83.6	117.1	91.2	86.8	118.7	87.8	84.9
1985 .....	W	78.8	78.7	113.5	89.7	80.5	114.3	84.9	79.1
<b>Maryland</b>									
1984 .....	114.1	83.3	84.5	113.4	95.3	87.5	113.5	89.5	85.4
1985 .....	110.4	77.7	79.7	108.6	91.5	82.0	108.8	84.1	80.3
<b>New Jersey</b>									
1984 .....	104.6	85.7	82.6	111.2	93.3	80.8	111.0	89.6	81.8
1985 .....	101.0	80.7	77.3	106.1	89.0	77.6	105.9	85.1	77.4
<b>New York</b>									
1984 .....	109.2	89.6	85.2	116.0	98.1	86.1	115.5	95.1	85.7
1985 .....	102.8	83.2	80.3	112.0	90.3	80.8	111.3	87.8	80.6
<b>Pennsylvania</b>									
1984 .....	109.0	86.6	84.3	107.7	91.2	85.4	107.9	88.7	84.6
1985 .....	98.7	81.4	79.6	102.8	88.6	81.3	102.3	85.2	80.0
<b>Subdistrict IC Average<sup>b</sup></b>									
1984 .....	102.3	83.0	81.9	107.4	90.8	84.6	107.3	88.4	82.7
1985 .....	95.1	78.9	77.9	104.2	87.8	81.2	104.1	84.2	78.8
<b>Virginia</b>									
1984 .....	W	82.3	82.6	110.3	94.1	84.5	110.5	88.4	83.1
1985 .....	W	78.1	78.1	106.2	89.8	82.3	106.3	84.3	79.1

See footnotes at end of table.

**Table 24. Sales Prices of No. 2 Distillate by Type of Seller, PAD District, and Selected States, 1984 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Refiners and Gas Plant Operators			Resellers and Retailers			All Sellers		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	To Residential Consumers <sup>a</sup>	To Non-Residential End-Users		To Residential Consumers <sup>a</sup>	To Non-Residential End-Users		To Residential Consumers <sup>a</sup>	To Non-Residential End-Users	
<b>West Virginia</b>									
1984 .....	89.5	86.4	84.1	104.8	96.6	88.1	102.1	91.5	85.1
1985 .....	W	82.0	79.3	100.9	91.5	85.2	98.0	86.7	81.0
<b>PAD District II Average<sup>b</sup></b>									
1984 .....	97.4	83.9	82.5	101.8	92.7	84.2	101.7	89.3	82.9
1985 .....	94.1	79.4	78.3	99.5	88.9	80.4	99.4	85.3	78.8
<b>Illinois</b>									
1984 .....	W	83.1	82.2	100.1	91.5	83.6	100.1	88.9	82.7
1985 .....	W	78.4	78.1	97.5	87.2	79.8	97.5	84.7	78.7
<b>Indiana</b>									
1984 .....	109.7	83.7	82.3	102.8	91.6	83.8	103.1	88.7	82.7
1985 .....	105.4	78.8	77.7	98.7	87.2	80.0	99.1	83.8	78.5
<b>Michigan</b>									
1984 .....	101.3	84.8	83.7	105.2	95.9	85.0	105.0	92.1	84.2
1985 .....	98.5	79.9	79.5	102.2	92.7	81.4	102.1	88.4	80.1
<b>Minnesota</b>									
1984 .....	92.6	83.2	83.0	104.1	93.9	85.1	104.1	90.7	83.5
1985 .....	W	78.5	79.3	101.9	89.8	82.6	101.9	86.9	80.1
<b>Ohio</b>									
1984 .....	W	86.6	84.6	102.9	91.8	84.4	102.1	88.9	84.6
1985 .....	88.3	82.4	80.1	100.8	87.5	79.4	99.7	84.4	80.0
<b>Wisconsin</b>									
1984 .....	91.9	83.9	82.8	101.2	93.5	83.1	101.0	91.4	82.9
1985 .....	W	79.2	78.6	98.3	89.7	78.3	98.3	87.2	78.5
<b>PAD District III Average<sup>b</sup></b>									
1984 .....	W	80.5	78.9	98.1	88.1	80.1	97.9	84.9	79.2
1985 .....	W	77.2	75.5	92.5	85.1	77.5	92.5	82.5	75.9
<b>PAD District IV Average<sup>b</sup></b>									
1984 .....	84.7	83.6	84.0	99.3	92.1	87.7	96.8	89.1	84.8
1985 .....	-	78.0	79.3	96.1	89.3	83.1	96.1	85.0	79.9
<b>Idaho</b>									
1984 .....	W	84.9	85.8	98.5	92.5	87.4	98.5	91.1	86.2
1985 .....	-	80.4	81.4	97.2	90.7	85.1	97.2	88.5	82.0
<b>PAD District V Average<sup>b</sup></b>									
1984 .....	102.1	78.1	77.0	101.5	87.3	80.6	101.5	82.3	77.6
1985 .....	102.7	77.4	75.9	100.8	86.0	79.5	100.9	81.8	76.6
<b>Alaska</b>									
1984 .....	100.6	90.2	87.4	107.1	100.8	92.2	106.9	94.0	87.7
1985 .....	101.1	86.6	84.1	108.8	97.6	82.1	108.3	91.1	83.9
<b>Oregon</b>									
1984 .....	W	77.4	77.9	99.2	87.8	86.2	99.3	82.9	79.8
1985 .....	W	76.7	76.8	97.0	85.7	82.6	97.1	82.2	78.5
<b>Washington</b>									
1984 .....	W	78.0	76.9	102.3	88.2	81.8	102.6	84.3	77.3
1985 .....	W	75.8	74.4	100.6	85.5	81.0	101.1	81.7	75.0

<sup>a</sup> No. 2 fuel oil only.

<sup>b</sup> Values do not equal average of States' prices because some State data used for PAD District averages are not sufficient for publication at the State level.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

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

**Table 25. Sales Prices of No. 2 Distillate by Type of Sale, PAD District, and Selected States, 1983 - 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Sales to End-Users						Sales for Resale
	To Residential Consumers <sup>a</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company-Operated Retail Outlets <sup>b</sup>	To Other End-Users <sup>c</sup>	Average	
<b>U.S. Average</b>							
1983 .....	107.8	86.3	88.3	84.3	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
<b>PAD District I Average</b>							
1983 .....	109.0	90.0	90.1	97.7	91.3	99.0	83.1
1984 .....	111.3	89.7	88.5	93.7	89.0	98.3	83.8
1985 .....	106.8	85.3	84.3	90.2	83.8	94.5	79.3
<b>Subdistrict IA Average</b>							
1983 .....	108.3	95.5	93.8	103.3	94.2	104.9	83.8
1984 .....	110.8	94.1	93.0	101.1	87.9	104.5	85.0
1985 .....	106.3	90.2	87.2	98.7	82.3	100.6	81.2
<b>Connecticut</b>							
1983 .....	109.1	96.3	95.7	101.1	94.3	105.9	85.1
1984 .....	112.1	95.6	89.7	101.1	92.8	107.1	85.8
1985 .....	108.0	91.2	87.1	97.0	88.5	103.5	81.1
<b>Maine</b>							
1983 .....	102.8	94.6	92.1	107.7	97.4	100.0	84.2
1984 .....	103.9	94.3	92.6	98.2	93.5	100.4	85.3
1985 .....	99.7	90.0	87.8	98.1	88.1	96.0	81.9
<b>Massachusetts</b>							
1983 .....	109.1	94.7	90.3	103.8	89.4	105.3	83.0
1984 .....	111.6	93.0	96.0	102.6	85.0	103.8	84.3
1985 .....	107.0	88.8	87.4	102.1	79.6	99.9	81.0
<b>New Hampshire</b>							
1983 .....	104.1	95.2	92.9	103.5	95.8	102.2	83.3
1984 .....	108.4	95.3	88.5	98.7	93.1	103.3	85.2
1985 .....	102.4	90.5	83.7	95.1	85.2	97.4	82.6
<b>Rhode Island</b>							
1983 .....	110.5	94.8	98.7	NA	86.9	107.0	82.3
1984 .....	111.4	94.0	95.4	96.2	90.9	106.5	84.5
1985 .....	106.7	90.5	93.0	95.3	88.8	102.9	80.1
<b>Vermont</b>							
1983 .....	112.9	101.6	91.6	103.7	107.8	107.2	88.3
1984 .....	111.9	100.3	92.1	105.4	98.3	106.8	86.7
1985 .....	107.7	95.5	87.8	100.0	91.3	102.1	83.5
<b>Subdistrict IB Average</b>							
1983 .....	109.7	91.0	89.1	88.1	91.6	100.4	82.5
1984 .....	112.2	91.3	87.9	85.9	90.2	102.3	83.5
1985 .....	107.5	88.9	82.5	90.8	83.9	97.2	78.9
<b>Delaware</b>							
1983 .....	106.0	90.6	85.4	85.2	94.2	88.4	81.6
1984 .....	109.8	89.8	85.4	92.5	93.5	98.2	80.8
1985 .....	104.6	88.9	84.9	92.2	94.2	98.7	76.5
<b>District of Columbia</b>							
1983 .....	117.0	94.1	92.9	W	82.7	99.4	83.3
1984 .....	118.7	89.4	88.7	-	W	95.5	84.9
1985 .....	114.3	85.4	98.3	-	76.4	92.4	79.1

See footnotes at end of table.

**Table 25. Sales Prices of No. 2 Distillate by Type of Sale, PAD District, and Selected States, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Sales to End-Users						Sales for Resale
	To Residential Consumers <sup>a</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company-Operated Retail Outlets <sup>b</sup>	To Other End-Users <sup>c</sup>	Average	
<b>Maryland</b>							
1983 .....	110.3	91.4	89.6	92.5	87.1	97.6	83.8
1984 .....	113.5	90.0	87.1	95.6	89.5	99.0	85.4
1985 .....	108.8	84.1	82.3	91.3	84.1	94.1	80.3
<b>New Jersey</b>							
1983 .....	107.9	89.9	87.2	91.7	85.4	96.8	82.6
1984 .....	111.0	89.7	89.6	96.6	87.2	101.4	81.8
1985 .....	105.9	85.1	81.6	94.0	82.2	96.2	77.4
<b>New York</b>							
1983 .....	112.1	94.8	92.9	106.8	104.8	106.7	82.0
1984 .....	115.5	96.4	87.8	100.8	98.6	107.6	85.7
1985 .....	111.3	90.6	81.9	92.6	85.4	101.8	80.6
<b>Pennsylvania</b>							
1983 .....	105.8	87.6	88.6	96.6	88.5	95.8	83.4
1984 .....	107.9	87.8	87.9	93.7	87.7	98.0	84.6
1985 .....	102.3	85.1	83.7	88.8	83.3	93.1	80.0
<b>Subdistrict IC Average<sup>d</sup></b>							
1983 .....	107.4	86.7	90.2	96.3	90.8	92.7	83.9
1984 .....	107.3	87.7	88.3	91.4	88.5	90.6	82.7
1985 .....	104.1	82.1	85.7	88.8	84.0	86.8	78.8
<b>Virginia</b>							
1983 .....	108.7	85.9	90.8	101.5	86.6	94.8	82.6
1984 .....	110.5	88.0	90.2	93.4	84.0	94.3	83.1
1985 .....	106.3	82.9	87.6	89.6	80.7	89.7	79.1
<b>West Virginia</b>							
1983 .....	101.0	88.9	97.2	99.1	85.6	93.4	88.9
1984 .....	102.1	88.4	92.9	99.0	88.0	92.6	85.1
1985 .....	98.0	82.5	88.7	96.0	84.5	87.7	81.0
<b>PAD District II Average<sup>d</sup></b>							
1983 .....	102.0	85.0	88.9	93.5	94.0	90.9	82.5
1984 .....	101.7	84.9	88.1	91.5	94.4	91.2	82.9
1985 .....	99.4	80.4	83.8	87.8	90.5	87.3	78.8
<b>Illinois</b>							
1983 .....	100.4	83.4	89.7	93.2	97.3	90.3	82.7
1984 .....	100.1	84.3	87.7	91.3	96.0	89.9	82.7
1985 .....	97.5	80.6	81.3	88.1	89.6	85.8	78.7
<b>Indiana</b>							
1983 .....	100.7	84.0	87.7	94.5	98.2	90.6	81.6
1984 .....	103.1	85.3	86.2	90.8	96.0	90.4	82.7
1985 .....	99.1	80.1	81.2	86.8	91.5	85.1	78.5
<b>Michigan</b>							
1983 .....	106.4	87.8	89.7	93.8	93.7	95.2	83.9
1984 .....	105.0	87.7	88.1	93.4	101.4	95.5	84.2
1985 .....	102.1	84.0	85.1	88.6	97.4	92.0	80.1
<b>Minnesota</b>							
1983 .....	103.1	87.1	87.1	96.0	97.5	94.7	83.6
1984 .....	104.1	85.1	88.0	91.9	97.6	94.3	83.5
1985 .....	101.9	82.1	83.3	88.4	93.4	91.7	80.1

See footnotes at end of table.

**Table 25. Sales Prices of No. 2 Distillate by Type of Sale, PAD District, and Selected States, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Sales to End-Users						Sales for Resale
	To Residential Consumers <sup>a</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company-Operated Retail Outlets <sup>b</sup>	To Other End-Users <sup>c</sup>	Average	
<b>Ohio</b>							
1983 .....	101.3	85.1	W	93.3	91.9	89.7	84.8
1984 .....	102.1	85.2	90.1	91.0	93.1	90.4	84.6
1985 .....	99.7	80.8	84.4	87.9	89.2	86.6	80.0
<b>Wisconsin</b>							
1983 .....	101.2	89.0	89.8	91.5	94.7	95.1	82.4
1984 .....	101.0	86.2	87.7	92.8	96.4	94.4	82.9
1985 .....	98.3	82.0	83.9	89.1	91.4	90.9	78.5
<b>PAD District III Average</b>							
1983 .....	87.4	81.7	85.4	91.6	84.1	84.5	79.6
1984 .....	97.9	81.9	85.5	91.0	84.4	85.0	79.2
1985 .....	92.5	81.7	81.2	86.9	82.3	82.6	75.9
<b>PAD District IV Average<sup>d</sup></b>							
1983 .....	94.2	88.5	87.3	94.8	90.7	88.4	83.3
1984 .....	96.8	84.7	88.4	93.4	91.5	89.4	84.8
1985 .....	96.1	79.9	85.2	91.4	87.0	85.3	79.9
<b>Idaho</b>							
1983 .....	101.8	87.8	91.7	97.7	93.9	92.9	85.8
1984 .....	98.5	86.8	87.3	96.7	94.6	91.7	86.2
1985 .....	97.2	82.9	86.2	91.2	92.1	89.3	82.0
<b>PAD District V Average<sup>d</sup></b>							
1983 .....	106.4	83.0	85.7	94.4	87.1	86.4	80.1
1984 .....	101.5	79.5	83.3	90.5	84.2	83.6	77.6
1985 .....	100.9	78.5	81.9	89.1	83.8	82.8	76.6
<b>Alaska</b>							
1983 .....	108.8	100.3	98.3	88.2	91.4	98.2	90.3
1984 .....	106.9	95.8	95.7	87.3	90.5	97.0	87.7
1985 .....	108.3	98.1	93.2	88.0	84.5	94.1	83.9
<b>Oregon</b>							
1983 .....	103.6	82.8	85.1	94.0	87.9	87.4	82.7
1984 .....	99.3	80.0	83.2	94.8	84.5	85.9	79.8
1985 .....	97.1	78.9	81.3	89.7	84.0	84.0	78.5
<b>Washington</b>							
1983 .....	109.0	85.4	86.5	97.1	91.6	91.8	81.1
1984 .....	102.6	80.2	83.5	91.7	89.0	87.5	77.3
1985 .....	101.1	77.0	80.5	88.6	86.4	85.3	75.0

\* No. 2 fuel oil only.

<sup>b</sup> No. 2 diesel fuel only.

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

<sup>d</sup> Values do not equal average of States' prices because some State data used for PAD District averages are not sufficient for publication at the State level.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

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

**Table 26. Sales Prices of No. 2 Fuel Oil by Type of Sale, PAD District, and Selected States, 1983 - 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Sales to End-Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End-Users*	Average	
<b>U.S. Average</b>						
1983 .....	107.8	94.1	88.3	90.1	102.8	81.8
1984 .....	109.1	93.8	88.1	87.8	103.6	82.3
1985 .....	105.3	87.4	82.8	84.0	99.1	78.1
<b>PAD District I Average</b>						
1983 .....	109.0	94.8	89.0	92.1	104.6	82.5
1984 .....	111.3	96.5	88.3	88.6	106.5	83.5
1985 .....	106.8	90.7	83.3	82.4	101.6	79.0
<b>Subdistrict IA Average</b>						
1983 .....	108.3	98.3	92.8	91.3	106.3	83.4
1984 .....	110.8	98.7	92.8	86.8	107.5	84.8
1985 .....	106.3	93.1	87.3	80.0	102.7	80.9
<b>Connecticut</b>						
1983 .....	109.1	97.1	93.0	101.3	106.8	84.6
1984 .....	112.1	97.8	90.2	95.3	109.0	85.6
1985 .....	108.0	93.8	86.7	90.6	105.3	80.9
<b>Maine</b>						
1983 .....	102.8	97.3	93.0	93.3	101.4	83.9
1984 .....	103.9	98.1	93.2	94.7	102.4	84.9
1985 .....	89.7	93.3	87.6	85.4	97.8	81.5
<b>Massachusetts</b>						
1983 .....	109.1	98.8	90.3	83.1	107.1	82.8
1984 .....	111.6	98.0	95.1	84.3	107.4	84.2
1985 .....	107.0	91.0	87.7	78.8	101.8	80.9
<b>New Hampshire</b>						
1983 .....	104.1	96.1	97.5	97.6	103.1	82.3
1984 .....	108.4	98.9	88.6	96.0	106.1	84.8
1985 .....	102.4	93.1	83.1	83.6	99.9	82.2
<b>Rhode Island</b>						
1983 .....	110.5	104.9	100.9	W	109.7	81.8
1984 .....	111.4	103.4	97.4	91.7	108.9	84.3
1985 .....	106.7	97.5	95.3	84.5	105.3	80.0
<b>Vermont</b>						
1983 .....	112.9	104.9	92.8	96.0	110.3	87.4
1984 .....	111.9	104.7	93.0	92.4	109.1	86.2
1985 .....	107.7	100.8	89.3	86.4	105.3	83.1
<b>Subdistrict IB Average</b>						
1983 .....	109.7	94.4	88.5	92.5	104.5	82.2
1984 .....	112.2	97.2	87.7	88.6	107.3	83.3
1985 .....	107.5	91.4	82.1	81.4	102.3	78.6
<b>Delaware</b>						
1983 .....	106.0	95.0	85.2	90.1	101.4	81.1
1984 .....	109.8	94.8	84.5	86.4	102.3	80.6
1985 .....	104.6	91.1	86.0	80.9	100.8	75.9
<b>District of Columbia</b>						
1983 .....	117.0	102.4	93.0	82.6	103.3	82.3
1984 .....	118.7	93.1	88.9	W	98.9	84.5
1985 .....	114.3	88.1	88.0	W	95.8	78.9

See footnotes at end of table.

**Table 26. Sales Prices of No. 2 Fuel Oil by Type of Sale, PAD District, and Selected States, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Sales to End-Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End-Users	Average	
<b>Maryland</b>						
1983 .....	110.3	92.7	90.3	84.9	101.5	83.2
1984 .....	113.5	94.1	86.2	86.4	104.8	84.3
1985 .....	108.8	89.4	82.2	84.8	100.6	79.5
<b>New Jersey</b>						
1983 .....	107.9	90.8	86.8	84.1	100.4	82.2
1984 .....	111.0	96.8	89.4	83.3	106.7	81.7
1985 .....	105.9	90.8	80.6	81.4	102.0	77.3
<b>New York</b>						
1983 .....	112.1	96.8	91.9	105.5	108.4	81.7
1984 .....	115.5	99.5	86.5	99.1	110.7	85.6
1985 .....	111.3	93.7	81.8	82.2	105.6	80.4
<b>Pennsylvania</b>						
1983 .....	105.8	94.4	86.9	86.9	101.4	83.3
1984 .....	107.9	94.3	90.0	86.2	103.7	84.5
1985 .....	102.3	88.7	84.4	79.5	98.0	79.8
<b>Subdistrict IC Average<sup>b</sup></b>						
1983 .....	107.4	90.9	87.4	90.9	101.5	82.6
1984 .....	107.3	90.2	87.2	89.9	100.6	82.4
1985 .....	104.1	84.7	84.1	86.7	95.8	78.1
<b>Virginia</b>						
1983 .....	108.7	92.8	86.1	89.9	103.2	81.9
1984 .....	110.5	94.0	84.9	87.8	104.6	82.7
1985 .....	106.3	88.0	82.1	83.7	99.4	78.6
<b>West Virginia</b>						
1983 .....	101.0	89.6	87.3	83.0	93.8	84.6
1984 .....	102.1	93.0	89.0	83.5	94.7	83.7
1985 .....	98.0	87.4	84.9	81.3	90.0	79.1
<b>PAD District II Average<sup>b</sup></b>						
1983 .....	102.0	90.8	87.2	91.1	97.0	82.0
1984 .....	101.7	86.9	87.3	89.4	96.1	82.3
1985 .....	99.4	81.4	81.9	88.1	92.4	78.1
<b>Illinois</b>						
1983 .....	100.4	88.9	90.4	96.6	98.1	82.4
1984 .....	100.1	85.1	87.2	91.2	91.1	82.1
1985 .....	97.5	80.7	79.9	85.0	85.5	78.2
<b>Indiana</b>						
1983 .....	100.7	87.0	86.4	89.1	94.5	80.7
1984 .....	103.1	87.2	86.3	84.5	93.9	82.0
1985 .....	99.1	79.8	79.7	84.0	88.4	77.9
<b>Michigan</b>						
1983 .....	106.4	92.8	90.8	91.6	102.8	83.3
1984 .....	105.0	89.7	88.7	98.9	101.6	83.4
1985 .....	102.1	83.2	86.8	99.2	98.0	79.1
<b>Minnesota</b>						
1983 .....	103.1	94.6	85.1	93.9	98.9	83.0
1984 .....	104.1	86.4	83.9	98.0	99.6	82.9
1985 .....	101.9	82.9	80.9	95.9	98.3	79.5

See footnotes at end of table.

**Table 26. Sales Prices of No. 2 Fuel Oil by Type of Sale, PAD District, and Selected States, 1983 - 1985—Continued**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	Sales to End-Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End-Users*	Average	
<b>Ohio</b>						
1983 .....	101.3	87.9	87.2	W	95.2	84.0
1984 .....	102.1	87.6	89.5	88.0	95.2	84.1
1985 .....	99.7	80.6	82.6	81.0	91.0	79.4
<b>Wisconsin</b>						
1983 .....	101.2	94.9	85.0	94.3	99.5	82.0
1984 .....	101.0	90.3	86.5	94.4	98.5	82.4
1985 .....	98.3	84.9	83.2	91.2	95.2	78.2
<b>PAD District III Average</b>						
1983 .....	87.4	79.8	81.4	78.1	80.5	79.0
1984 .....	97.9	78.3	92.3	78.1	84.2	77.7
1985 .....	92.5	75.1	81.7	77.1	78.3	74.8
<b>PAD District IV Average<sup>b</sup></b>						
1983 .....	94.2	93.4	91.9	94.0	93.9	82.9
1984 .....	96.8	89.6	90.9	90.3	94.5	84.1
1985 .....	96.1	85.1	84.1	85.3	92.3	79.2
<b>Idaho</b>						
1983 .....	101.8	92.0	89.2	89.9	95.1	85.2
1984 .....	98.5	92.2	W	W	94.3	85.9
1985 .....	97.2	90.8	82.0	W	94.2	81.3
<b>PAD District V Average<sup>b</sup></b>						
1983 .....	106.4	98.8	86.7	82.8	99.9	83.9
1984 .....	101.5	94.8	84.2	81.4	96.9	80.0
1985 .....	100.9	88.1	80.9	80.1	93.0	78.7
<b>Alaska</b>						
1983 .....	108.8	105.0	101.3	79.8	102.8	88.7
1984 .....	106.9	99.6	96.8	87.8	102.0	88.6
1985 .....	108.3	97.2	98.8	88.0	101.6	88.5
<b>Oregon</b>						
1983 .....	103.6	95.0	82.3	80.9	96.6	82.6
1984 .....	99.3	91.9	W	W	94.3	78.5
1985 .....	97.1	89.1	W	W	88.6	77.0
<b>Washington</b>						
1983 .....	109.0	94.7	88.1	84.3	102.0	83.3
1984 .....	102.6	88.0	84.3	81.4	97.8	78.3
1985 .....	101.1	85.0	80.8	78.9	94.0	78.7

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

<sup>b</sup> Values do not equal average of States' prices because some State data used for PAD District averages are not sufficient for publication at the State level.

W = Withheld to avoid disclosure of individual company data.

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

**Table 27. Refiner and Gas Plant Operator Sales Prices of Residual Fuel Oil, 1978 - 1985**  
 (Cents per Gallon Excluding Taxes)

Year	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average Residual	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
1978 .....	31.4	29.3	27.5	24.5	29.8	28.3
1979 .....	46.8	45.0	38.9	36.8	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	68.3
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

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates 1978 through 1982.

**Table 28. Sales Prices of Residual Fuel Oil by PAD District and Selected States, 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average Residual	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Average .....</b>	<b>68.0</b>	<b>60.6</b>	<b>58.9</b>	<b>58.1</b>	<b>62.3</b>	<b>58.2</b>
<b>PAD District I Average .....</b>	<b>67.2</b>	<b>64.4</b>	<b>60.8</b>	<b>60.8</b>	<b>64.3</b>	<b>62.9</b>
<b>Subdistrict IA Average<sup>a</sup> .....</b>	<b>66.4</b>	<b>65.5</b>	<b>60.8</b>	<b>62.2</b>	<b>63.4</b>	<b>63.7</b>
Connecticut .....	65.4	63.2	58.3	59.3	65.2	61.2
Maine .....	67.1	60.8	63.4	63.3	64.1	63.0
Massachusetts .....	67.2	66.9	60.0	63.1	61.5	65.1
New Hampshire .....	68.2	61.0	62.8	58.7	62.9	59.6
Rhode Island .....	72.0	65.6	59.5	56.8	70.0	64.0
<b>Subdistrict IB Average<sup>a</sup> .....</b>	<b>68.6</b>	<b>65.1</b>	<b>60.8</b>	<b>59.8</b>	<b>65.8</b>	<b>63.9</b>
Delaware .....	68.4	67.4	63.4	W	65.1	66.1
Maryland .....	63.3	64.3	62.4	59.9	62.9	62.3
New Jersey .....	66.1	64.4	58.5	59.2	64.4	62.8
New York .....	72.4	66.9	60.6	59.8	66.8	66.0
Pennsylvania .....	66.6	62.8	65.6	60.1	66.4	62.3
<b>Subdistrict IC Average<sup>a</sup> .....</b>	<b>59.4</b>	<b>58.8</b>	<b>61.2</b>	<b>59.9</b>	<b>60.6</b>	<b>58.8</b>
Florida .....	58.4	56.1	57.9	58.9	58.2	57.6
Georgia .....	W	-	61.0	64.9	61.1	64.9
North Carolina .....	W	W	64.7	59.2	64.8	59.7
South Carolina .....	75.7	-	63.8	64.0	64.1	64.0
Virginia .....	65.4	W	61.6	60.0	62.3	60.0
<b>PAD District II Average<sup>a</sup> .....</b>	<b>68.0</b>	<b>59.9</b>	<b>57.5</b>	<b>54.9</b>	<b>60.4</b>	<b>57.2</b>
Illinois .....	68.0	W	48.1	58.0	59.0	60.2
Indiana .....	70.7	W	61.9	61.2	62.7	61.5
Michigan .....	64.8	60.6	58.9	49.7	63.2	56.8
Minnesota .....	W	W	W	54.7	57.9	56.8
Ohio .....	65.4	52.4	57.8	49.0	59.6	50.4
<b>PAD District III Average<sup>a</sup> .....</b>	<b>64.3</b>	<b>58.3</b>	<b>55.2</b>	<b>54.0</b>	<b>57.7</b>	<b>55.1</b>
Alabama .....	W	W	57.5	57.4	57.9	56.4
Louisiana .....	64.6	57.9	54.8	53.5	59.3	54.6
Mississippi .....	73.9	W	60.3	59.4	61.2	58.6
Texas .....	59.0	56.0	55.5	54.5	55.6	55.3
<b>PAD District IV Average .....</b>	<b>68.2</b>	<b>62.4</b>	<b>51.8</b>	<b>45.7</b>	<b>52.8</b>	<b>55.6</b>
<b>PAD District V Average<sup>a</sup> .....</b>	<b>60.9</b>	<b>53.8</b>	<b>57.0</b>	<b>54.9</b>	<b>58.9</b>	<b>54.7</b>
California .....	55.3	54.4	56.4	54.7	58.2	54.7
Hawaii .....	67.4	W	60.3	W	66.2	W
Oregon .....	63.2	50.4	61.3	60.5	61.7	57.9
Washington .....	70.9	W	56.6	55.9	56.9	55.8

<sup>a</sup> Values do not equal average of States' prices because some State data used for PAD District averages are not sufficient for publication at the State level.

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

**Table 29. Refiner and Gas Plant Operator Sales Prices of No. 4 Fuel Oil and Residual Fuel Oil by PAD District, 1983 - 1985**  
 (Cents per Gallon Excluding Taxes)

Geographic Area Year	No. 4 Fuel		Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average Residual	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Average</b>								
1983 .....	76.6	72.6	69.5	64.3	61.1	59.1	65.1	60.9
1984 .....	79.6	70.7	72.0	68.5	65.9	63.9	68.7	65.4
1985 .....	77.3	67.2	64.4	61.0	58.2	56.0	61.0	57.7
<b>PAD District I Average</b>								
1983 .....	79.4	77.5	69.2	66.9	62.3	60.6	66.2	63.6
1984 .....	81.8	80.9	72.4	71.9	67.7	67.7	70.3	69.4
1985 .....	78.1	76.0	65.1	64.4	60.3	60.8	62.8	62.6
<b>Subdistrict IA Average</b>								
1983 .....	79.4	W	67.5	62.1	61.5	60.6	65.4	61.0
1984 .....	81.9	79.2	72.2	70.6	67.9	68.2	70.3	68.9
1985 .....	78.2	W	65.4	64.4	60.2	62.8	62.3	63.5
<b>Subdistrict IB Average</b>								
1983 .....	79.1	78.0	69.8	68.0	62.8	61.5	67.7	66.1
1984 .....	81.9	81.8	73.1	72.7	67.0	68.2	71.1	70.8
1985 .....	78.9	77.1	66.3	65.0	60.1	59.7	64.2	63.5
<b>Subdistrict IC Average</b>								
1983 .....	81.5	75.0	69.0	62.3	62.2	60.0	63.9	60.4
1984 .....	80.4	W	70.2	69.1	68.3	66.0	68.9	66.7
1985 .....	72.9	70.4	59.2	58.8	60.5	59.7	60.0	59.5
<b>PAD District II Average</b>								
1983 .....	77.6	68.0	75.6	68.4	60.7	56.4	66.6	59.2
1984 .....	76.2	63.8	65.7	64.7	64.0	61.4	64.5	62.2
1985 .....	72.3	62.9	66.3	58.3	57.0	55.1	58.6	55.8
<b>PAD District III Average</b>								
1983 .....	74.9	72.9	61.2	62.8	59.0	57.9	58.5	59.7
1984 .....	72.2	70.5	68.2	65.8	63.8	62.6	64.9	63.5
1985 .....	75.3	61.3	66.8	58.7	55.2	53.8	57.5	54.7
<b>PAD District IV Average</b>								
1983 .....	W	W	W	67.0	59.7	54.7	54.5	61.2
1984 .....	W	80.1	-	65.1	58.2	54.0	58.2	60.0
1985 .....	W	67.3	-	62.7	51.8	45.6	51.8	55.4
<b>PAD District V Average</b>								
1983 .....	72.3	69.5	73.8	60.1	61.1	60.2	65.9	60.2
1984 .....	69.5	66.7	73.5	62.9	63.8	61.7	67.2	61.9
1985 .....	W	64.0	60.8	53.2	56.7	54.7	58.7	54.5

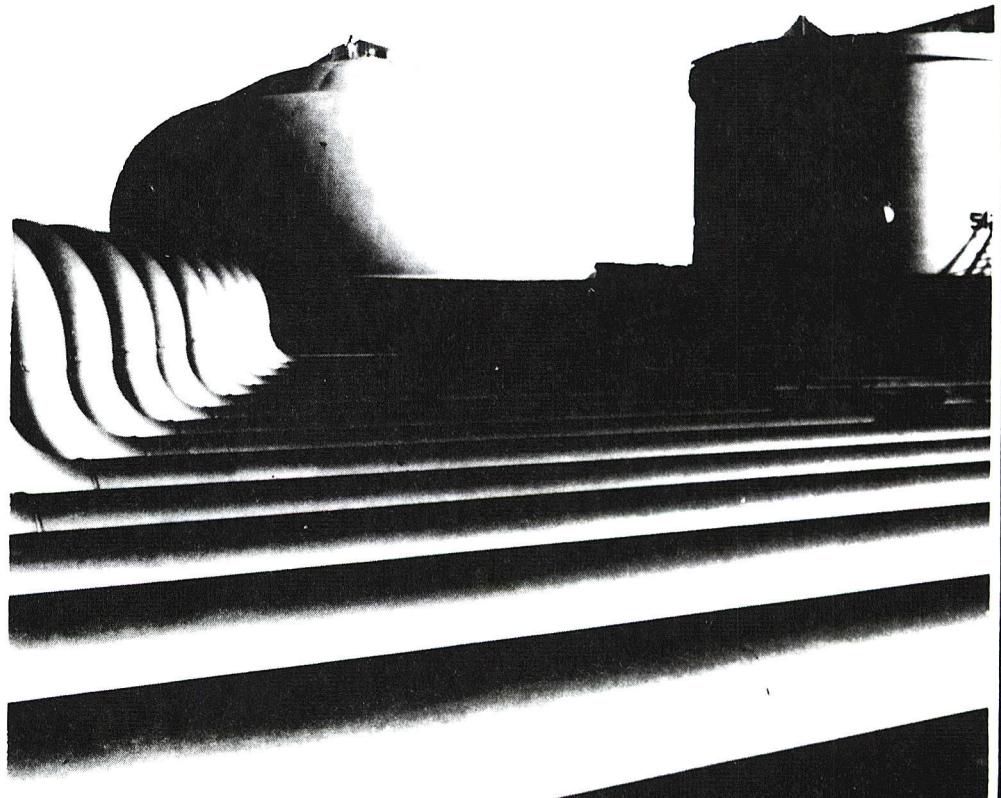
Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

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



# **Sales Volumes of Petroleum Products**



Storage terminals and tanks near  
Kansas City, Kansas.



**Table 30. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products to End-Users by Type of Seller, 1983 - 1985**  
 (Thousand Gallons)

Type of Seller Year	Finished Motor Gasoline	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate
<b>Total</b>					
1983 .....	18,654,020	152,766	11,251,202	79,419	168,045
1984 .....	21,071,870	115,825	12,027,326	110,651	199,117
1985 .....	21,000,688	102,674	12,625,097	94,189	190,427
<b>Major Refiners</b>					
1983 .....	12,835,885	W	10,158,786	71,740	157,593
1984 .....	14,929,953	114,759	10,954,875	81,572	W
1985 .....	15,065,137	100,227	11,576,217	66,471	W
<b>Other Refiners and Gas Plant Operators</b>					
1983 .....	5,818,136	W	1,092,416	7,679	8,452
1984 .....	6,141,918	1,066	1,072,451	29,080	W
1985 .....	5,935,551	2,447	1,048,880	27,718	W
No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil	
No. 2 Fuel Oil	No. 2 Diesel Fuel	Total No. 2 Distillate		Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent
<b>Total</b>					
1983 .....	1,348,017	8,516,991	9,865,008	262,792	4,902,514
1984 .....	1,784,366	9,631,822	11,418,288	243,796	5,511,701
1985 .....	1,807,770	9,114,528	10,922,298	188,196	4,162,964
<b>Major Refiners</b>					
1983 .....	1,082,227	7,622,499	8,704,726	152,521	4,216,853
1984 .....	1,135,096	8,323,629	9,458,725	152,014	3,701,320
1985 .....	1,169,392	7,905,202	9,074,594	107,467	2,378,901
<b>Other Refiners and Gas Plant Operators</b>					
1983 .....	265,790	894,492	1,160,282	110,271	685,661
1984 .....	649,270	1,308,292	1,957,562	91,782	1,810,381
1985 .....	638,378	1,209,326	1,847,704	78,729	1,784,063

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

W = Withheld to avoid disclosure of individual company data.

Note: Totals may not equal the sum of components due to rounding.

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

**Table 31. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products for Resale by Type of Seller, 1983 - 1985**  
 (Thousand Gallons)

Type of Seller Year	Finished Motor Gasoline	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate
<b>Total</b>					
1983 .....	88,499,825	268,132	1,984,942	897,911	866,844
1984 .....	90,141,395	275,269	2,403,847	799,343	934,729
1985 .....	93,754,359	269,900	2,779,297	873,509	972,451
<b>Major Refiners</b>					
1983 .....	67,757,709	236,813	933,098	602,841	507,329
1984 .....	68,888,845	254,987	1,088,961	555,460	555,041
1985 .....	71,074,098	247,359	1,526,415	589,682	530,332
<b>Other Refiners and Gas Plant Operators</b>					
1983 .....	20,742,118	31,319	1,051,844	295,070	359,515
1984 .....	21,252,551	20,282	1,314,887	243,883	379,689
1985 .....	22,680,261	22,541	1,252,882	283,827	442,118
			No. 4 Fuel*	Residual Fuel Oil	
No. 2 Fuel Oil	No. 2 Diesel Fuel	Total No. 2 Distillate		Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent
<b>Total</b>					
1983 .....	17,272,022	13,919,103	31,191,125	334,705	2,631,414
1984 .....	18,827,052	15,667,837	34,494,890	606,037	2,453,917
1985 .....	19,675,908	15,820,748	35,498,656	438,600	2,562,401
<b>Major Refiners</b>					
1983 .....	11,322,648	8,410,082	19,732,730	92,888	1,255,420
1984 .....	11,466,825	9,551,394	21,018,219	107,170	814,904
1985 .....	11,754,396	10,113,534	21,867,930	103,581	1,202,253
<b>Other Refiners and Gas Plant Operators</b>					
1983 .....	5,949,374	5,509,021	11,458,395	241,817	1,375,994
1984 .....	7,360,227	6,116,444	13,476,670	498,867	1,639,013
1985 .....	7,921,512	5,707,214	13,628,726	335,019	1,360,147

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 32. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Type of Seller, PAD District, and State,  
1983 - 1985  
(Thousand Gallons)**

Geographic Area Year	Major Refiners			Other Refineries and Gas Plant Operators			Total		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>U.S. Total</b>									
1983 .....	9,908,445	2,927,439	67,757,709	5,521,912	296,224	20,742,116	15,430,357	3,223,863	88,499,825
1984 .....	12,634,676	2,295,277	68,888,845	5,782,654	359,284	21,252,551	18,417,330	2,654,541	90,141,395
1985 .....	13,080,555	1,984,582	71,074,098	5,354,224	581,328	22,680,281	18,434,778	2,565,910	93,754,359
<b>PAD District I Total</b>									
1983 .....	3,318,793	1,217,929	26,118,114	967,211	44,298	2,815,055	4,288,004	1,262,227	28,933,169
1984 .....	4,004,652	776,307	26,876,999	1,129,991	130,547	3,125,805	5,134,643	908,855	30,002,804
1985 .....	3,884,492	649,613	27,474,342	1,023,561	257,206	4,730,026	4,908,053	908,819	32,204,368
<b>Subdistrict IA Total</b>									
1983 .....	W	W	3,683,746	W	W	44,885	363,539	203,420	3,728,831
1984 .....	W	106,226	3,785,078	W	15,059	358,929	416,766	121,287	4,144,007
1985 .....	W	83,395	3,766,330	W	24,719	432,970	342,620	108,114	4,199,300
<b>Connecticut</b>									
1983 .....	W	68,382	W	W	NA	W	8,903	68,391	1,043,390
1984 .....	W	38,596	1,094,304	W	W	1,089	87,703	12,917	39,685
1985 .....	4,279	30,347	W	W	2,279	W	W	W	1,192,007
1983 .....	W	32,626	W	W	W	W	32,626	W	1,170,925
<b>Maine</b>									
1983 .....	33,564	14,743	W	W	-	W	W	33,564	14,776
1984 .....	W	W	W	W	W	W	W	39,526	8,203
1985 .....	W	W	W	W	W	W	W	W	496,248
1983 .....	W	W	W	W	W	W	W	W	478,436
<b>Massachusetts</b>									
1983 .....	W	92,143	1,596,042	W	W	33,507	241,517	82,143	1,629,549
1984 .....	W	W	1,616,422	W	W	170,243	266,398	57,724	1,786,685
1985 .....	W	35,641	1,678,425	W	17,105	230,750	221,399	52,746	1,907,175
<b>New Hampshire</b>									
1983 .....	41,443	8,637	W	-	-	W	41,443	8,637	125,444
1984 .....	W	W	142,767	W	W	18,726	53,127	6,155	161,493
1985 .....	W	W	139,060	W	W	24,228	45,770	5,502	163,288
<b>Rhode Island</b>									
1983 .....	34,227	16,670	369,634	-	-	-	34,227	16,670	369,634
1984 .....	W	W	W	W	W	W	37,753	7,322	408,106
1985 .....	W	W	W	W	W	W	32,274	6,406	392,068
<b>Vermont</b>									
1983 .....	3,885	W	W	-	-	W	3,885	W	85,327
1984 .....	W	W	90,866	W	W	8,621	7,045	2,198	99,487
1985 .....	W	W	78,480	W	W	8,929	5,949	2,055	87,409
<b>Subdistrict IB Total</b>									
1983 .....	1,638,617	W	12,424,214	321,028	W	686,235	1,959,645	646,299	13,110,449
1984 .....	1,717,778	369,100	W	482,037	71,938	W	2,199,815	441,038	13,341,782
1985 .....	W	300,588	12,798,076	W	169,902	2,229,236	1,953,884	470,488	15,027,312
<b>Delaware</b>									
1983 .....	W	16,731	W	-	-	W	W	16,731	308,133
1984 .....	21,849	W	337,372	-	-	W	21,849	W	W
1985 .....	16,426	7,334	W	-	-	W	16,426	7,334	327,110
<b>District of Columbia</b>									
1983 .....	W	8,837	W	-	-	-	W	8,837	145,523
1984 .....	W	W	W	-	-	-	W	W	W
1985 .....	-	7,598	W	-	-	W	-	7,598	144,809

See footnotes at end of table.

**Table 32. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Total		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>Maryland</b>									
1983 .....	W	W	1,499,038	W	W	119,682	9,700	133,083	1,618,720
1984 .....	W	W	1,497,292	W	W	124,643	1,712	127,076	1,621,935
1985 .....	W	W	1,587,865	W	W	133,216	W	104,594	1,721,081
<b>New Jersey</b>									
1983 .....	W	W	3,645,268	W	W	257,059	473,862	144,891	3,902,327
1984 .....	504,487	W	3,980,246	W	W	236,952	W	81,410	4,217,198
1985 .....	414,421	51,754	4,234,582	W	8,388	1,608,267	W	60,142	5,842,849
<b>New York</b>									
1983 .....	523,851	206,945	W	155,736	6,548	W	679,587	213,493	3,336,582
1984 .....	477,709	88,941	3,187,908	261,389	37,784	213,294	739,098	126,725	3,401,202
1985 .....	426,201	W	3,222,362	249,844	W	252,845	676,045	147,800	3,475,207
<b>Pennsylvania</b>									
1983 .....	648,183	W	3,662,765	131,824	W	136,399	780,007	129,264	3,799,164
1984 .....	713,275	63,568	3,437,801	182,151	28,003	177,451	895,426	91,571	3,615,252
1985 .....	620,112	52,056	3,282,495	204,665	90,965	233,760	824,777	143,021	3,516,255
<b>Subdistrict IC Total</b>									
1983 .....	W	397,953	10,010,154	W	14,555	2,083,935	1,962,820	412,508	12,094,089
1984 .....	W	300,979	W	W	43,550	W	2,518,062	344,529	12,517,016
1985 .....	2,082,063	265,632	10,909,936	529,486	62,585	2,067,820	2,611,549	328,216	12,977,756
<b>Florida</b>									
1983 .....	458,752	102,775	3,173,526	244,611	2,850	746,646	703,363	105,625	3,920,172
1984 .....	724,837	W	W	252,632	W	W	977,469	120,205	4,061,995
1985 .....	788,301	W	3,443,474	204,408	W	776,534	992,709	129,062	4,220,008
<b>Georgia</b>									
1983 .....	262,412	64,258	1,762,508	157,582	182	466,708	419,974	64,440	2,229,216
1984 .....	324,461	36,819	W	137,746	4,535	W	462,207	41,354	2,398,760
1985 .....	340,182	35,791	2,020,946	118,277	5,703	468,673	458,459	41,494	2,489,619
<b>North Carolina</b>									
1983 .....	129,313	92,248	1,984,111	71,097	NA	375,983	200,410	83,731	2,360,094
1984 .....	176,355	67,393	W	71,273	352	W	247,628	67,745	2,427,658
1985 .....	212,326	60,268	2,212,941	60,421	314	337,989	272,747	60,582	2,550,930
<b>South Carolina</b>									
1983 .....	91,463	71,487	1,044,794	55,012	W	197,035	146,475	71,496	1,241,829
1984 .....	157,207	W	W	62,490	W	W	219,697	44,772	1,178,955
1985 .....	217,823	W	1,029,286	46,220	W	184,888	264,043	30,455	1,214,174
<b>Virginia</b>									
1983 .....	245,293	W	1,699,857	103,572	W	254,505	348,865	47,171	1,954,362
1984 .....	364,503	W	W	96,991	W	W	461,494	41,631	2,017,065
1985 .....	37,027	1,850,976	W	5,942	262,157	477,422	42,969	2,112,532	
<b>West Virginia</b>									
1983 .....	W	W	345,358	W	W	43,058	143,733	30,045	388,416
1984 .....	W	W	392,472	W	W	40,111	149,567	28,822	432,583
1985 .....	W	W	352,913	W	W	37,579	146,169	23,654	390,492
<b>PAD District II Total</b>									
1983 .....	4,023,361	863,335	17,418,410	2,481,381	37,774	5,852,202	6,504,742	901,109	23,270,612
1984 .....	4,572,713	803,498	17,179,853	2,490,819	41,959	6,712,280	7,063,532	845,458	23,892,133
1985 .....	4,643,234	791,871	17,595,186	2,376,276	42,279	6,638,618	7,019,510	834,150	24,233,803

See footnotes at end of table.

**Table 32. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Total		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users	
<b>Illinois</b>									
1983 .....	370,101	W	3,200,160	246,225	W	222,842	616,326	48,041	3,423,002
1984 .....	581,595	W	W	263,071	W	W	844,686	37,906	3,327,989
1985 .....	593,955	W	2,940,981	250,701	W	213,277	844,656	32,235	3,154,258
<b>Indiana</b>									
1983 .....	244,068	W	1,444,792	305,240	W	325,788	549,308	49,045	1,770,578
1984 .....	336,767	W	W	285,580	W	W	632,347	55,408	1,696,357
1985 .....	337,058	W	1,442,201	284,354	W	430,379	621,412	27,338	1,872,580
<b>Iowa</b>									
1983 .....	37,422	W	743,772	64,014	W	285,102	101,436	13,810	1,028,874
1984 .....	58,354	W	735,941	121,069	W	422,572	177,423	5,699	1,158,513
1985 .....	53,493	W	718,571	110,883	W	428,369	164,156	9,854	1,146,940
<b>Kansas</b>									
1983 .....	53,957	W	550,962	90,718	W	971,069	144,675	21,040	1,522,031
1984 .....	38,021	W	W	137,598	W	W	175,619	10,792	1,921,698
1985 .....	44,228	14,991	570,319	135,795	1,297	1,417,936	180,023	16,288	1,988,255
<b>Kentucky</b>									
1983 .....	198,417	54,236	1,102,618	108,057	609	136,679	306,474	54,845	1,239,297
1984 .....	217,503	W	1,085,746	99,917	W	103,050	317,420	48,883	1,188,798
1985 .....	216,256	W	1,115,380	85,889	W	84,225	302,145	60,732	1,199,605
<b>Michigan</b>									
1983 .....	432,980	W	2,256,841	514,740	W	507,107	947,720	101,862	2,763,948
1984 .....	484,767	W	2,209,931	524,006	W	534,793	1,008,773	99,853	2,744,724
1985 .....	513,578	W	2,300,907	524,183	W	541,480	1,037,762	96,491	2,842,387
<b>Minnesota</b>									
1983 .....	238,434	23,025	896,478	61,508	2,820	562,268	299,942	25,845	1,458,746
1984 .....	265,327	13,786	W	63,045	2,489	W	328,372	16,275	1,452,313
1985 .....	271,631	W	888,588	60,584	W	551,739	332,215	17,336	1,440,305
<b>Missouri</b>									
1983 .....	123,660	W	1,212,321	209,788	W	575,333	333,448	26,804	1,787,654
1984 .....	W	W	1,236,894	W	W	851,310	429,478	22,338	1,888,204
1985 .....	169,937	W	1,243,075	240,380	W	845,393	410,327	20,697	1,888,468
<b>Nebraska</b>									
1983 .....	35,873	W	369,096	31,826	W	232,854	67,699	9,443	601,950
1984 .....	19,691	5,338	348,790	57,825	W	303,205	77,516	W	649,995
1985 .....	W	W	313,680	W	-	309,911	72,482	W	623,591
<b>North Dakota</b>									
1983 .....	W	W	212,250	W	W	124,480	12,852	6,278	336,730
1984 .....	5,413	W	220,541	W	W	153,479	W	5,919	374,020
1985 .....	W	W	198,215	W	W	148,750	8,506	5,335	346,965
<b>Ohio</b>									
1983 .....	1,883,318	W	1,918,671	260,575	W	188,082	1,943,891	419,092	2,106,753
1984 .....	1,720,870	420,609	W	251,159	12,805	W	1,972,029	433,414	2,144,481
1985 .....	1,733,486	434,335	1,981,124	204,918	16,383	242,248	1,938,405	450,718	2,223,372
<b>Oklahoma</b>									
1983 .....	142,782	66,008	968,979	65,098	NA	606,104	207,880	68,534	1,575,083
1984 .....	153,776	57,049	W	89,847	W	W	243,823	W	1,569,129
1985 .....	165,261	48,007	1,045,666	94,635	3,623	630,635	258,896	51,630	1,876,301

See footnotes at end of table.

**Table 32. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Total		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>South Dakota</b>									
1983 .....	W	W	190,115	W	W	158,675	14,887	6,914	348,790
1984 .....	W	1,766	179,185	5,369	-	184,538	W	1,766	363,723
1985 .....	W	W	169,438	W	-	184,943	11,195	W	354,381
<b>Tennessee</b>									
1983 .....	211,614	22,820	1,446,509	383,650	7,494	508,092	595,264	30,314	1,954,601
1984 .....	272,630	W	W	192,094	W	W	464,724	29,658	1,990,838
1985 .....	287,870	W	1,675,015	195,832	W	377,078	483,702	26,238	2,052,083
<b>Wisconsin</b>									
1983 .....	229,715	18,237	904,846	133,227	1,005	447,729	362,942	19,242	1,352,575
1984 .....	242,015	W	W	127,273	W	W	369,288	14,124	1,421,343
1985 .....	230,529	8,657	992,047	122,118	W	432,255	352,647	W	1,424,302
<b>PAD District III Total</b>									
1983 .....	1,586,009	368,646	9,548,114	1,020,008	57,170	8,240,688	2,606,017	425,816	17,788,802
1984 .....	2,351,863	264,130	9,938,559	1,250,282	44,314	7,121,692	3,602,145	308,444	17,060,251
1985 .....	2,555,990	161,940	10,754,398	1,105,809	78,782	7,425,765	3,661,799	240,722	18,180,163
<b>Alabama</b>									
1983 .....	96,391	29,369	970,293	121,614	3,766	589,433	218,005	33,135	1,559,726
1984 .....	122,003	18,075	1,082,283	107,915	2,579	576,503	229,918	20,654	1,658,786
1985 .....	126,416	W	1,189,778	91,286	W	369,094	217,702	22,401	1,558,872
<b>Arkansas</b>									
1983 .....	24,497	6,284	627,912	34,600	3,450	441,395	59,097	8,734	1,069,307
1984 .....	W	5,388	W	W	4,782	W	82,246	10,170	1,086,147
1985 .....	W	5,855	659,299	W	4,681	398,986	82,744	10,538	1,058,285
<b>Louisiana</b>									
1983 .....	256,185	37,935	1,266,645	130,872	5,335	727,823	387,067	43,270	1,994,468
1984 .....	365,359	65,411	1,289,031	185,103	4,497	627,114	550,462	69,908	1,916,145
1985 .....	388,048	22,773	1,321,530	168,240	5,732	682,285	556,288	28,505	2,003,815
<b>Mississippi</b>									
1983 .....	31,253	10,646	734,552	42,467	829	353,719	73,720	11,475	1,088,271
1984 .....	W	W	W	W	W	W	121,226	7,844	1,135,103
1985 .....	63,553	26,670	884,776	63,688	3,151	302,899	127,241	29,821	1,187,675
<b>New Mexico</b>									
1983 .....	11,814	W	327,034	67,114	W	403,285	78,928	6,589	730,319
1984 .....	38,921	W	313,745	54,897	W	407,562	93,818	6,511	721,307
1985 .....	W	W	314,725	W	W	379,570	74,974	5,870	694,295
<b>Texas</b>									
1983 .....	1,165,859	W	5,621,678	623,341	W	5,725,033	1,789,200	321,613	11,346,711
1984 .....	1,726,096	161,993	5,758,928	798,379	31,364	4,783,835	2,524,475	193,357	10,542,763
1985 .....	1,885,520	80,040	6,384,290	717,330	63,549	5,292,931	2,602,850	143,589	11,677,221
<b>PAD District IV Total</b>									
1983 .....	126,145	36,056	1,724,944	225,858	6,351	1,406,460	352,003	42,407	3,131,404
1984 .....	318,238	26,800	1,742,715	202,111	5,039	1,400,473	520,349	31,639	3,143,188
1985 .....	369,744	W	1,776,601	183,393	W	1,343,178	553,137	31,789	3,119,779
<b>Colorado</b>									
1983 .....	67,069	15,588	723,576	178,604	NA	565,838	245,673	15,797	1,289,414
1984 .....	196,122	10,358	W	172,820	182	W	368,942	10,540	1,394,523
1985 .....	230,398	W	761,258	157,718	W	567,999	388,116	10,980	1,329,257

See footnotes at end of table.

**Table 32. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Type of Seller, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Total		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users	
<b>Idaho</b>									
1983 .....	4,713	4,224	261,194	12,271	158	168,998	16,984	4,382	430,192
1984 .....	11,262	3,484	W	5,620	W	W	16,882	W	W
1985 .....	11,214	W	243,064	W	W	142,496	W	2,882	385,560
<b>Montana</b>									
1983 .....	W	W	286,555	W	W	169,971	29,424	2,589	456,526
1984 .....	W	W	283,901	7,215	W	173,307	W	W	457,208
1985 .....	W	W	268,928	W	W	186,798	30,248	607	455,726
<b>Utah</b>									
1983 .....	W	W	303,752	W	W	357,521	49,255	12,426	661,273
1984 .....	W	W	304,412	10,205	W	308,120	W	8,722	612,532
1985 .....	W	W	347,308	W	W	312,681	113,372	10,074	659,989
<b>Wyoming</b>									
1983 .....	-	2,878	149,867	10,667	4,325	144,132	10,867	7,203	293,999
1984 .....	-	3,320	W	6,251	W	131,761	6,251	W	W
1985 .....	-	W	156,043	W	W	139,204	W	7,246	289,247
<b>PAD District V Total</b>									
1983 .....	854,138	441,473	12,948,127	827,454	150,631	2,427,711	1,681,592	592,104	15,375,838
1984 .....	1,387,210	424,741	13,150,718	709,451	137,404	2,882,301	2,098,561	562,145	18,043,019
1985 .....	1,627,094	W	13,473,571	665,185	W	2,542,874	2,292,279	552,430	16,016,245
<b>Alaska</b>									
1983 .....	-	W	W	W	W	W	W	25,462	178,864
1984 .....	-	18,809	153,281	W	W	W	W	W	W
1985 .....	-	W	W	W	W	W	W	23,158	202,189
<b>Arizona</b>									
1983 .....	59,773	34,089	1,013,299	175,552	W	140,418	235,325	W	1,153,717
1984 .....	118,291	31,914	W	129,067	1,049	W	247,358	32,963	1,206,583
1985 .....	217,322	27,335	1,079,294	51,430	2,306	190,528	268,752	29,841	1,269,822
<b>California</b>									
1983 .....	661,839	W	8,556,246	470,892	W	1,807,697	1,132,731	427,476	10,363,943
1984 .....	W	289,107	W	W	129,556	W	1,360,598	418,663	11,024,411
1985 .....	1,058,945	244,609	9,022,768	465,290	181,778	1,948,099	1,524,235	426,387	10,970,867
<b>Hawaii</b>									
1983 .....	-	35,307	W	W	W	W	W	35,742	304,500
1984 .....	W	31,791	265,290	W	W	W	W	31,791	W
1985 .....	W	W	W	W	W	W	W	18,738	298,159
<b>Nevada</b>									
1983 .....	W	7,227	307,420	W	W	73,102	44,305	W	380,522
1984 .....	41,106	W	W	20,094	W	W	61,200	8,793	425,809
1985 .....	W	W	416,733	W	W	55,449	60,305	11,084	472,182
<b>Oregon</b>									
1983 .....	W	W	1,073,408	W	W	127,668	27,538	18,182	1,201,076
1984 .....	W	11,200	W	W	W	W	40,481	W	1,246,120
1985 .....	W	10,046	1,085,142	W	1,245	123,973	52,132	11,291	1,189,115
<b>Washington</b>									
1983 .....	97,520	W	1,605,373	109,506	W	187,843	207,026	42,956	1,793,216
1984 .....	215,093	W	W	105,238	W	W	320,331	33,725	1,670,237
1985 .....	W	W	1,462,515	W	W	151,396	351,650	32,130	1,613,811

\* Sales through company-operated retail outlets.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Note: Totals may not equal the sum of components due to rounding.

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

**Table 33. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Grade, PAD District, and State, 1983 - 1985**  
 (Thousand Gallons)

Geographic Area Year	Leaded Regular		Unleaded Regular		Premium	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Total</b>						
1983 .....	7,813,735	42,130,005	8,589,866	35,894,872	2,250,420	10,474,948
1984 .....	7,545,098	38,712,800	10,156,563	39,080,987	3,370,209	12,347,608
1985 .....	6,457,101	36,193,099	10,897,688	43,706,290	3,645,899	13,854,970
<b>PAD District I Total</b>						
1983 .....	2,123,186	11,992,222	2,484,152	11,988,710	940,893	4,952,237
1984 .....	1,997,927	10,837,624	2,983,310	13,155,262	1,080,260	6,009,918
1985 .....	1,655,286	10,328,063	2,956,925	14,877,029	1,202,661	6,999,276
<b>Subdistrict IA Total</b>						
1983 .....	195,656	1,346,931	258,644	1,705,040	112,659	676,660
1984 .....	154,342	1,289,021	297,263	1,995,008	86,448	859,977
1985 .....	120,685	1,077,822	249,820	2,175,996	80,128	945,481
<b>Connecticut</b>						
1983 .....	W	361,568	32,936	444,159	W	237,663
1984 .....	W	349,154	26,801	544,352	W	298,501
1985 .....	15,968	286,884	19,185	565,314	W	318,727
<b>Maine</b>						
1983 .....	19,889	218,623	24,556	224,579	3,895	32,085
1984 .....	W	198,252	25,458	250,207	W	47,789
1985 .....	13,370	167,938	20,637	260,958	W	49,540
<b>Massachusetts</b>						
1983 .....	112,598	550,208	147,581	777,567	73,481	301,774
1984 .....	81,417	533,852	183,317	869,082	59,388	383,731
1985 .....	64,082	444,873	158,482	1,030,008	51,581	432,294
<b>New Hampshire</b>						
1983 .....	18,207	39,814	27,766	62,629	4,107	23,001
1984 .....	18,508	43,390	32,716	86,968	8,058	31,134
1985 .....	14,090	40,371	28,308	87,232	8,874	35,685
<b>Rhode Island</b>						
1983 .....	16,048	144,554	22,155	152,600	12,694	72,480
1984 .....	12,945	134,153	24,685	188,399	7,445	85,554
1985 .....	9,618	113,252	19,679	187,783	9,385	91,031
<b>Vermont</b>						
1983 .....	W	32,164	3,650	43,506	W	9,657
1984 .....	W	30,219	4,286	58,000	W	13,268
1985 .....	3,559	24,504	3,630	44,701	815	18,204
<b>Subdistrict IB Total</b>						
1983 .....	965,591	5,032,982	1,144,994	5,717,565	495,359	2,359,902
1984 .....	855,154	4,412,778	1,381,378	6,110,314	404,321	2,818,690
1985 .....	715,287	4,808,687	1,319,060	7,031,829	390,026	3,386,797
<b>Delaware</b>						
1983 .....	12,028	135,547	13,361	120,200	W	52,386
1984 .....	8,180	59,454	16,844	189,246	W	W
1985 .....	4,886	43,291	15,853	186,643	3,020	97,176
<b>District of Columbia</b>						
1983 .....	2,577	34,013	4,588	49,556	W	61,954
1984 .....	1,950	27,330	3,550	51,167	W	W
1985 .....	1,579	20,882	4,113	52,050	1,906	71,877

See footnotes at end of table.

**Table 33. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Grade, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Leaded Regular		Unleaded Regular		Premium	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>Maryland</b>						
1983 .....	54,754	556,637	68,650	714,087	18,379	347,996
1984 .....	43,238	454,880	68,768	749,321	16,784	417,734
1985 .....	30,274	420,796	58,892	830,201	W	470,084
<b>New Jersey</b>						
1983 .....	200,328	1,525,303	238,598	1,653,694	179,827	723,330
1984 .....	158,650	1,490,893	324,340	1,827,504	W	898,801
1985 .....	118,033	2,065,955	262,015	2,529,921	W	1,246,973
<b>New York</b>						
1983 .....	349,108	1,143,548	392,187	1,523,379	151,785	669,655
1984 .....	311,155	995,774	455,186	1,646,169	89,482	759,258
1985 .....	265,842	895,008	451,970	1,712,503	106,032	867,696
<b>Pennsylvania</b>						
1983 .....	346,796	1,637,934	427,600	1,656,849	134,875	504,581
1984 .....	332,000	1,384,446	512,693	1,646,907	142,304	583,899
1985 .....	294,672	1,162,754	526,217	1,720,510	148,910	632,991
<b>Subdistrict IC Total</b>						
1983 .....	981,939	5,612,309	1,080,514	4,566,105	332,875	1,915,675
1984 .....	988,431	5,135,826	1,284,669	5,049,940	589,491	2,331,250
1985 .....	819,314	4,641,554	1,387,945	5,669,205	732,507	2,668,998
<b>Florida</b>						
1983 .....	312,221	1,686,169	367,570	1,529,994	129,197	704,009
1984 .....	362,474	1,544,036	468,032	1,683,802	267,168	834,157
1985 .....	292,580	1,386,177	519,089	1,881,463	310,103	952,369
<b>Georgia</b>						
1983 .....	178,613	1,057,043	232,416	801,832	73,385	370,341
1984 .....	159,743	1,008,550	252,314	924,919	91,504	465,291
1985 .....	132,124	915,371	269,814	1,035,170	98,015	539,078
<b>North Carolina</b>						
1983 .....	138,150	1,218,452	123,185	828,320	32,798	313,322
1984 .....	126,418	1,108,042	138,999	923,094	49,957	396,522
1985 .....	113,228	1,020,743	152,436	1,073,220	67,665	456,967
<b>South Carolina</b>						
1983 .....	107,526	631,377	91,987	455,164	18,458	155,288
1984 .....	115,287	533,279	119,969	462,026	29,213	183,650
1985 .....	109,725	483,688	142,911	520,936	41,862	209,570
<b>Virginia</b>						
1983 .....	144,001	842,394	191,828	803,275	60,207	308,693
1984 .....	147,670	758,689	226,854	884,349	128,601	374,027
1985 .....	109,916	691,216	221,223	992,659	189,251	428,657
<b>West Virginia</b>						
1983 .....	81,428	176,874	73,518	147,520	18,832	64,022
1984 .....	76,839	183,230	78,502	171,750	23,048	77,603
1985 .....	61,741	144,379	82,471	165,757	25,611	80,356
<b>PAD District II Total</b>						
1983 .....	3,259,572	11,956,569	3,549,842	9,529,913	596,637	1,784,130
1984 .....	2,843,100	11,273,145	3,889,355	10,479,096	1,176,534	2,139,891
1985 .....	2,413,500	10,174,274	4,261,623	11,620,806	1,178,537	2,438,723

See footnotes at end of table.

**Table 33. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Grade, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Leaded Regular		Unleaded Regular		Premium	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>Illinois</b>						
1983 .....	271,397	1,457,185	352,269	1,633,669	40,701	332,148
1984 .....	285,452	1,263,774	450,293	1,702,163	146,827	362,062
1985 .....	237,932	1,005,754	505,118	1,740,409	133,841	408,096
<b>Indiana</b>						
1983 .....	296,375	903,053	275,004	727,245	26,972	140,280
1984 .....	301,714	786,627	329,222	763,170	56,819	146,560
1985 .....	235,982	792,897	350,184	901,229	62,584	178,453
<b>Iowa</b>						
1983 .....	53,259	531,204	49,915	409,408	12,072	88,264
1984 .....	W	574,633	65,319	507,550	72,035	76,330
1985 .....	45,895	528,789	72,880	547,933	55,235	70,218
<b>Kansas</b>						
1983 .....	73,703	937,031	81,546	542,712	10,466	42,268
1984 .....	38,416	1,108,840	60,172	715,016	87,823	97,842
1985 .....	W	1,027,997	86,527	846,352	W	113,906
<b>Kentucky</b>						
1983 .....	188,976	669,153	117,751	402,187	54,592	167,957
1984 .....	165,310	540,085	122,018	363,611	78,755	285,099
1985 .....	136,010	459,579	139,440	412,080	87,427	327,946
<b>Michigan</b>						
1983 .....	413,804	1,195,786	583,206	1,286,450	52,572	281,712
1984 .....	328,012	1,067,742	639,696	1,400,037	140,918	276,945
1985 .....	290,874	968,848	706,062	1,586,907	137,317	286,632
<b>Minnesota</b>						
1983 .....	142,015	788,613	171,404	635,348	12,368	34,787
1984 .....	127,362	723,164	200,035	684,947	17,250	44,202
1985 .....	104,377	596,415	207,990	749,640	37,184	94,250
<b>Missouri</b>						
1983 .....	152,912	977,931	182,895	692,006	24,445	117,717
1984 .....	171,627	947,129	242,332	784,346	37,853	156,729
1985 .....	139,871	862,864	254,589	866,688	36,564	158,936
<b>Nebraska</b>						
1983 .....	35,950	356,929	37,503	218,281	3,689	26,740
1984 .....	W	356,975	31,812	262,733	29,458	30,287
1985 .....	19,685	316,733	37,330	277,452	W	29,406
<b>North Dakota</b>						
1983 .....	W	W	7,836	116,729	W	W
1984 .....	8,118	W	6,707	141,565	W	W
1985 .....	6,435	W	6,849	145,552	757	W
<b>Ohio</b>						
1983 .....	1,012,682	990,391	1,101,776	906,806	248,523	209,556
1984 .....	879,890	913,499	1,170,544	983,189	355,010	247,784
1985 .....	742,690	831,917	1,276,484	1,110,025	369,949	281,430
<b>Oklahoma</b>						
1983 .....	118,824	940,396	135,641	610,161	21,849	W
1984 .....	W	886,831	155,651	646,628	28,837	35,889
1985 .....	102,351	886,289	174,348	744,714	34,827	45,298

See footnotes at end of table.

**Table 33. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Grade, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Leaded Regular		Unleaded Regular		Premium	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>South Dakota</b>						
1983 .....	W	W	7,687	102,292	W	W
1984 .....	8,247	W	6,443	121,490	W	W
1985 .....	7,707	W	6,535	131,977	W	W
<b>Tennessee</b>						
1983 .....	309,854	1,068,980	238,938	637,767	76,786	247,854
1984 .....	204,102	994,447	184,874	704,265	105,408	292,126
1985 .....	181,681	922,573	212,533	797,047	115,728	332,473
<b>Wisconsin</b>						
1983 .....	184,702	685,508	206,269	608,856	11,213	58,211
1984 .....	140,157	651,101	224,238	698,385	19,017	71,856
1985 .....	W	572,896	224,954	762,821	25,568	68,585
<b>PAD District III Total</b>						
1983 .....	1,245,822	9,810,141	1,332,755	6,478,410	453,158	1,502,251
1984 .....	1,428,317	8,478,230	1,784,504	6,795,034	697,789	1,786,987
1985 .....	1,172,257	8,422,335	1,948,722	7,828,013	781,541	1,929,815
<b>Alabama</b>						
1983 .....	123,076	877,004	101,509	495,022	28,555	187,700
1984 .....	108,205	849,035	108,877	576,946	31,690	232,805
1985 .....	80,697	684,631	102,722	610,338	56,684	263,903
<b>Arkansas</b>						
1983 .....	33,159	625,806	28,841	358,498	6,831	85,003
1984 .....	41,194	587,387	37,775	393,864	13,447	104,916
1985 .....	37,474	516,590	40,973	428,127	14,833	113,568
<b>Louisiana</b>						
1983 .....	135,745	947,814	204,259	719,286	90,333	327,368
1984 .....	226,811	735,354	284,356	828,457	109,203	352,334
1985 .....	163,078	652,580	288,504	975,145	133,213	376,090
<b>Mississippi</b>						
1983 .....	41,512	605,367	35,452	369,092	8,231	113,812
1984 .....	63,036	601,553	51,428	404,205	14,608	129,345
1985 .....	73,373	558,088	65,202	466,710	18,488	162,877
<b>New Mexico</b>						
1983 .....	44,222	399,789	37,622	315,240	3,873	15,290
1984 .....	40,983	372,685	41,071	334,926	18,275	13,896
1985 .....	31,655	331,948	41,170	345,257	8,019	17,090
<b>Texas</b>						
1983 .....	868,208	6,354,381	825,072	4,219,272	317,533	773,078
1984 .....	947,088	5,332,236	1,260,199	4,256,638	510,545	853,891
1985 .....	785,982	5,678,498	1,410,152	5,002,436	550,305	896,287
<b>PAD District IV Total</b>						
1983 .....	204,931	1,891,276	171,903	1,181,585	17,578	58,543
1984 .....	207,407	1,799,584	210,953	1,274,485	133,628	69,119
1985 .....	W	1,841,572	246,479	1,397,602	W	80,605
<b>Colorado</b>						
1983 .....	128,204	718,345	119,293	538,588	13,973	32,483
1984 .....	126,997	731,307	142,183	623,847	110,303	39,369
1985 .....	108,345	629,102	157,926	652,422	132,825	47,733

See footnotes at end of table.

**Table 33. Refiner and Gas Plant Operator Sales Volumes of Finished Motor Gasoline by Grade, PAD District, and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Leaded Regular		Unleaded Regular		Premium	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>Idaho</b>						
1983 .....	14,305	303,970	6,806	121,389	W	4,833
1984 .....	12,411	W	7,637	126,329	W	W
1985 .....	10,228	239,831	8,093	140,700	W	5,029
<b>Montana</b>						
1983 .....	W	294,302	10,649	159,486	W	2,738
1984 .....	18,175	303,633	11,039	150,327	W	3,248
1985 .....	W	285,783	12,327	165,758	W	4,185
<b>Utah</b>						
1983 .....	31,820	390,052	28,049	257,651	1,812	13,570
1984 .....	43,399	329,391	43,673	266,550	W	16,591
1985 .....	W	323,155	61,656	318,369	W	18,465
<b>Wyoming</b>						
1983 .....	W	184,607	7,106	104,473	W	4,919
1984 .....	6,425	W	6,422	107,432	W	W
1985 .....	5,927	163,701	6,477	120,353	W	5,193
<b>PAD District V Total</b>						
1983 .....	980,124	6,479,797	1,051,414	6,718,254	242,158	2,177,787
1984 .....	1,068,347	6,324,216	1,308,441	7,377,110	282,018	2,341,693
1985 .....	W	5,626,855	1,483,939	7,982,839	W	2,406,551
<b>Alaska</b>						
1983 .....	31,799	W	W	70,747	W	W
1984 .....	27,404	96,538	W	84,389	W	W
1985 .....	19,083	92,509	18,933	100,090	W	9,590
<b>Arizona</b>						
1983 .....	133,583	589,199	118,388	486,682	W	77,836
1984 .....	129,277	574,647	129,364	542,724	21,680	89,212
1985 .....	118,175	575,490	151,966	602,284	28,252	92,048
<b>California</b>						
1983 .....	618,296	3,870,384	757,207	4,785,630	184,704	1,707,929
1984 .....	659,697	3,891,652	928,598	5,277,974	210,966	1,854,785
1985 .....	634,158	3,356,374	1,058,659	5,699,416	257,806	1,915,077
<b>Hawaii</b>						
1983 .....	W	52,741	W	158,993	10,748	92,766
1984 .....	W	W	W	150,220	7,975	86,301
1985 .....	W	42,918	26,564	171,073	4,069	84,168
<b>Nevada</b>						
1983 .....	W	W	22,703	172,188	2,550	W
1984 .....	W	W	31,742	199,921	W	W
1985 .....	31,189	191,679	35,103	234,456	5,097	46,047
<b>Oregon</b>						
1983 .....	23,012	688,044	20,267	425,831	2,441	87,201
1984 .....	24,519	675,616	23,837	479,356	W	91,148
1985 .....	28,352	595,273	30,982	503,098	4,089	90,744
<b>Washington</b>						
1983 .....	136,501	1,006,480	90,906	618,183	22,575	168,553
1984 .....	182,036	856,827	138,942	642,526	33,077	170,884
1985 .....	184,293	772,612	161,732	672,422	37,755	168,877

W = Withheld to avoid disclosure of individual company data.

Note: Totals may not equal the sum of components due to rounding.

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

**Table 34. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products to End-Users by PAD District and State, 1985**  
 (Thousand Gallons)

Geographic Area	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate	Propane (Consumer Grade)
<b>U.S. Total .....</b>	<b>102,674</b>	<b>12,625,097</b>	<b>94,189</b>	<b>180,427</b>	<b>10,922,298</b>	<b>1,346,373</b>
<b>PAD District I Total .....</b>	<b>41,642</b>	<b>4,318,119</b>	<b>55,309</b>	<b>54,794</b>	<b>3,834,347</b>	<b>350,278</b>
<b>Subdistrict IA Total .....</b>	<b>W</b>	<b>337,440</b>	<b>3,948</b>	<b>7,314</b>	<b>440,215</b>	<b>W</b>
Connecticut .....	NA	40,543	889	3,864	95,491	15,338
Maine .....	W	W	671	526	37,964	9,975
Massachusetts .....	2,572	258,693	1,278	W	245,730	22,461
New Hampshire .....	NA	2,866	551	NA	23,348	15,750
Rhode Island .....	NA	W	W	NA	19,752	W
Vermont .....	NA	W	W	NA	17,933	14,091
<b>Subdistrict IB Total .....</b>	<b>W</b>	<b>2,159,742</b>	<b>39,528</b>	<b>35,718</b>	<b>1,803,352</b>	<b>W</b>
Delaware .....	NA	W	482	NA	15,740	5,948
District of Columbia .....	NA	W	W	NA	22,393	W
Maryland .....	NA	104,289	730	NA	225,625	19,838
New Jersey .....	W	1,688,868	W	18,192	380,587	25,081
New York .....	W	40,371	14,782	7,641	503,800	46,024
Pennsylvania .....	W	325,044	15,683	W	855,206	42,414
<b>Subdistrict IC Total .....</b>	<b>24,881</b>	<b>1,820,937</b>	<b>11,833</b>	<b>11,784</b>	<b>1,590,780</b>	<b>130,096</b>
Florida .....	14,990	674,465	W	2,658	480,602	35,378
Georgia .....	1,941	605,487	W	543	289,777	W
North Carolina .....	W	173,612	2,848	1,376	253,947	35,303
South Carolina .....	2,506	W	2,279	951	136,033	9,618
Virginia .....	W	337,749	1,232	3,372	315,327	26,685
West Virginia .....	W	W	1,727	2,868	115,093	W
<b>PAD District II Total .....</b>	<b>17,485</b>	<b>2,027,214</b>	<b>32,897</b>	<b>66,020</b>	<b>2,978,930</b>	<b>373,481</b>
Illinois .....	W	50,812	643	W	291,696	31,794
Indiana .....	401	545,985	W	W	331,264	48,609
Iowa .....	NA	14,564	W	3,470	79,501	2,308
Kansas .....	NA	30,387	W	6,298	152,810	28,688
Kentucky .....	W	122,173	5,213	4,924	286,648	45,025
Michigan .....	2,041	183,607	1,108	5,244	224,781	W
Minnesota .....	NA	237,133	W	13,844	108,126	W
Missouri .....	NA	219,497	242	2,345	98,284	W
Nebraska .....	W	13,756	W	W	99,693	1,853
North Dakota .....	NA	6,780	NA	2,058	49,237	W
Ohio .....	W	237,862	18,851	8,074	681,087	68,258
Oklahoma .....	485	W	672	W	183,114	1,559
South Dakota .....	W	W	NA	450	5,093	-
Tennessee .....	W	184,180	4,038	2,602	306,828	5,807
Wisconsin .....	213	53,550	-	3,400	90,787	W
<b>PAD District III Total .....</b>	<b>15,493</b>	<b>2,155,963</b>	<b>5,397</b>	<b>6,574</b>	<b>1,862,070</b>	<b>306,232</b>
Alabama .....	2,079	28,817	330	NA	208,408	W
Arkansas .....	387	11,726	443	NA	93,125	13,429
Louisiana .....	2,357	269,712	1,049	NA	283,065	81,675
Mississippi .....	1,326	45,327	171	NA	155,779	12,076
New Mexico .....	200	29,381	W	820	72,503	W
Texas .....	9,144	1,771,000	W	2,564	1,049,191	202,342
<b>PAD District IV Total .....</b>	<b>3,088</b>	<b>419,741</b>	<b>W</b>	<b>W</b>	<b>460,348</b>	<b>W</b>
Colorado .....	W	275,597	W	4,865	109,234	27,401
Idaho .....	W	W	NA	3,190	W	14,879
Montana .....	W	20,639	NA	W	93,805	20,684
Utah .....	W	112,209	NA	2,258	75,475	W
Wyoming .....	262	W	NA	7,790	W	27,281
<b>PAD District V Total .....</b>	<b>24,986</b>	<b>3,704,060</b>	<b>W</b>	<b>W</b>	<b>1,788,604</b>	<b>W</b>
Alaska .....	W	406,636	NA	NA	104,029	W
Arizona .....	302	W	NA	NA	130,655	W
California .....	10,439	1,994,158	NA	4,654	1,055,344	146,292
Hawaii .....	W	461,445	NA	NA	70,400	-
Nevada .....	W	139,501	NA	1,748	59,756	W
Oregon .....	W	W	NA	W	180,834	11,751
Washington .....	1,363	485,949	NA	2,920	185,587	21,701

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Note: In certain PAD Districts, Kerosene, No. 1 Distillate Volumes are not shown for every state.

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

**Table 35. Refiner and Gas Plant Operator Sales Volumes of Selected Petroleum Products for Resale by PAD District and State, 1985**  
 (Thousand Gallons)

Geographic Area	Finished Aviation Gasoline	Kerosene-Type Jet Fuel	Kerosene	No. 1 Distillate	No. 2 Distillate	Propane (Consumer Grade)
<b>U.S. Total</b>	<b>269,900</b>	<b>2,779,297</b>	<b>873,509</b>	<b>972,451</b>	<b>35,496,656</b>	<b>10,647,925</b>
<b>PAD District I Total</b>	<b>55,545</b>	<b>454,239</b>	<b>519,411</b>	<b>108,866</b>	<b>12,849,727</b>	<b>1,447,655</b>
Subdistrict IA Total	6,221	22,916	48,437	W	2,095,633	141,637
Connecticut	NA	W	6,984	1,182	381,792	35,049
Maine	836	681	14,720	W	230,594	20,082
Massachusetts	2,659	14,584	12,627	11,961	1,046,217	40,951
New Hampshire	NA	W	W	NA	106,001	24,660
Rhode Island	NA	W	W	NA	273,353	11,388
Vermont	NA	W	3,493	NA	57,676	9,407
Subdistrict IB Total	15,123	318,311	245,587	W	7,589,018	501,138
Delaware	NA	W	7,414	NA	194,793	58,746
District of Columbia	NA	—	1,170	NA	36,433	—
Maryland	NA	W	25,245	NA	379,631	30,353
New Jersey	6,397	168,183	53,205	6,903	4,203,808	89,776
New York	2,475	36,164	43,962	W	1,318,406	144,915
Pennsylvania	4,518	107,613	114,591	13,887	1,455,947	177,348
Subdistrict IC Total	34,201	113,013	225,386	48,541	3,185,076	804,880
Florida	18,219	69,410	12,458	13,930	755,965	288,870
Georgia	6,209	13,434	14,375	1,997	572,246	153,353
North Carolina	W	4,827	96,745	12,716	726,607	184,245
South Carolina	2,497	2,819	38,069	4,199	299,256	104,188
Virginia	1,761	21,640	54,033	12,697	701,738	60,150
West Virginia	W	884	9,707	1,002	109,264	16,174
<b>PAD District II Total</b>	<b>75,021</b>	<b>386,625</b>	<b>177,747</b>	<b>656,104</b>	<b>8,510,718</b>	<b>3,718,507</b>
Illinois	6,497	39,824	W	50,293	784,576	347,182
Indiana	10,817	82,708	24,764	44,340	838,661	154,316
Iowa	NA	5,441	2,250	49,810	453,004	125,117
Kansas	NA	117,153	2,297	95,503	944,655	1,534,270
Kentucky	1,532	12,816	17,707	17,570	407,113	129,556
Michigan	10,496	25,680	16,024	83,750	591,233	148,441
Minnesota	NA	10,468	2,519	69,198	536,148	179,799
Missouri	NA	17,266	W	24,785	512,698	150,573
Nebraska	3,597	7,500	1,792	32,035	323,977	127,326
North Dakota	NA	W	NA	31,015	229,661	161,047
Ohio	6,366	33,595	67,368	29,103	815,240	131,860
Oklahoma	9,263	18,939	W	18,438	669,181	280,831
South Dakota	3,220	1,552	NA	32,518	194,633	64,612
Tennessee	2,430	7,007	20,649	10,173	649,857	82,202
Wisconsin	3,774	W	1,935	67,572	560,081	101,575
<b>PAD District III Total</b>	<b>59,078</b>	<b>1,374,807</b>	<b>123,412</b>	<b>9,409</b>	<b>8,814,739</b>	<b>4,538,376</b>
Alabama	W	88,472	9,573	NA	472,371	108,496
Arkansas	3,113	10,534	W	NA	381,627	73,788
Louisiana	4,255	200,557	17,511	NA	1,662,522	457,788
Mississippi	W	81,971	47,092	NA	636,708	287,653
New Mexico	3,085	8,915	W	2,045	242,848	286,618
Texas	42,527	984,358	43,057	3,765	5,418,863	3,324,033
<b>PAD District IV Total</b>	<b>14,166</b>	<b>60,644</b>	<b>4,266</b>	<b>110,938</b>	<b>1,091,331</b>	<b>358,006</b>
Colorado	W	44,842	721	31,310	342,597	123,153
Idaho	-2,527	3,215	NA	11,960	163,564	2,454
Montana	W	4,276	NA	25,678	173,888	45,216
Utah	3,250	6,416	NA	11,554	221,404	53,291
Wyoming	1,856	1,895	NA	30,437	189,877	133,892
<b>PAD District V Total</b>	<b>66,090</b>	<b>502,981</b>	<b>48,674</b>	<b>87,134</b>	<b>4,230,141</b>	<b>585,381</b>
Alaska	W	116,494	NA	NA	159,263	6,627
Arizona	8,150	8,477	NA	NA	171,581	W
California	34,263	305,762	NA	15,189	2,409,517	499,509
Hawaii	W	W	NA	NA	37,403	W
Nevada	3,376	W	NA	W	171,366	5,821
Oregon	4,558	6,377	NA	8,879	461,378	5,136
Washington	W	62,638	NA	17,804	819,633	47,005

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Note: In certain PAD Districts, Kerosene, No. 1 Distillate Volumes are not shown for every state.

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

**Table 36. Refiner and Gas Plant Operator Sales Volumes of No. 4 Fuel Oil and Residual Fuel Oil by PAD District, 1983 -1985**  
 (Thousand Gallons)

Geographic Area Year	No. 4 Fuel		Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Total Residual	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Total</b>								
1983 .....	262,792	334,705	4,902,514	2,631,414	5,433,023	4,723,970	10,335,537	7,355,384
1984 .....	243,796	606,037	5,511,701	2,453,917	6,512,538	5,356,555	12,024,239	7,810,472
1985 .....	186,196	438,600	4,162,964	2,562,401	5,023,337	4,705,569	9,186,302	7,267,969
<b>PAD District I Total</b>								
1983 .....	149,954	107,803	3,606,137	1,031,825	2,776,270	1,114,012	6,382,407	2,145,837
1984 .....	190,240	148,170	4,249,738	1,307,382	3,511,529	1,826,886	7,761,267	3,134,268
1985 .....	163,653	139,308	3,013,975	1,510,458	2,680,608	1,212,632	5,694,583	2,723,090
<b>Subdistrict IA Total</b>								
1983 .....	W	W	737,528	W	408,472	243,970	1,146,000	W
1984 .....	29,893	W	W	305,870	W	741,718	1,854,060	1,047,588
1985 .....	24,413	W	511,192	276,940	723,394	410,906	1,234,586	687,846
<b>Subdistrict IB Total</b>								
1983 .....	121,397	W	2,411,004	W	1,015,678	338,694	3,426,683	W
1984 .....	147,442	105,523	2,530,427	W	1,301,223	W	3,831,650	1,504,652
1985 .....	W	90,080	2,026,987	1,115,114	1,058,636	416,784	3,085,623	1,531,898
<b>Subdistrict IC Total</b>								
1983 .....	W	8,911	457,605	99,932	1,352,119	531,348	1,809,724	631,280
1984 .....	12,905	W	W	W	W	W	2,075,557	582,028
1985 .....	W	W	475,796	118,404	898,578	384,942	1,374,374	503,346
<b>PAD District II Total</b>								
1983 .....	9,549	W	W	95,094	W	319,442	435,957	414,536
1984 .....	16,639	9,465	86,240	74,271	191,775	249,288	278,015	323,559
1985 .....	15,586	5,404	W	55,552	W	204,083	205,227	259,635
<b>PAD District III Total</b>								
1983 .....	W	63,103	404,958	1,089,198	1,355,817	1,986,427	1,760,775	3,075,625
1984 .....	W	W	549,949	630,253	1,650,635	1,557,720	2,200,584	2,187,973
1985 .....	1,926	W	W	662,886	W	1,455,563	1,833,668	2,118,449
<b>PAD District IV Total</b>								
1983 .....	W	W	W	42,722	W	38,043	22,854	80,765
1984 .....	W	W	-	46,795	16,525	39,561	16,525	86,356
1985 .....	W	W	-	43,549	16,362	32,165	16,362	75,714
<b>PAD District V Total</b>								
1983 .....	97,325	147,326	659,642	372,575	1,073,902	1,266,046	1,733,544	1,638,621
1984 .....	32,455	354,529	625,774	395,216	1,142,075	1,683,099	1,767,849	2,078,315
1985 .....	W	191,484	800,254	289,856	836,206	1,801,125	1,636,461	2,091,081

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Totals may not equal the sum of components due to rounding.

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



# Percentages of Petroleum Product Sales



Delivery of petroleum products to  
retail outlet (bottom) and end-users.



**Table 37. Percentages of Refiner and Gas Plant Operator Petroleum Product Sales by Type of Seller, 1983 - 1985**  
 (Percent for Each Type of Sale)

Product Year	Sales to End-Users		Sales for Resale		Total Sales	
	Major Refiners	Other Refiners and Gas Plant Operators	Major Refiners	Other Refiners and Gas Plant Operators	Major Refiners	Other Refiners and Gas Plant Operators
<b>Finished Motor Gasoline</b>						
1983 .....	68.8	31.2	76.6	23.4	75.2	24.8
1984 .....	70.9	29.1	78.4	23.6	75.4	24.6
1985 .....	71.7	28.3	75.8	24.2	75.1	24.9
<b>Leaded Regular</b>						
1983 .....	63.7	36.3	70.0	30.0	69.0	31.0
1984 .....	66.5	33.5	69.6	30.4	69.1	30.9
1985 .....	66.9	33.1	68.2	31.8	68.0	32.0
<b>Unleaded Regular</b>						
1983 .....	70.3	29.7	79.9	20.1	78.0	22.0
1984 .....	72.3	27.7	78.5	21.5	77.2	22.8
1985 .....	72.4	27.6	77.2	22.8	76.2	23.8
<b>Premium</b>						
1983 .....	80.9	19.1	91.6	8.4	89.7	10.3
1984 .....	76.2	23.8	91.2	8.8	88.0	12.0
1985 .....	78.5	21.5	91.3	8.7	88.7	11.3
<b>Finished Aviation Gasoline</b>						
1983 .....	W	W	88.3	11.7	91.4	8.6
1984 .....	99.1	.9	92.6	7.4	94.5	5.5
1985 .....	97.6	2.4	91.6	8.4	93.3	6.7
<b>Kerosene-Type Jet Fuel</b>						
1983 .....	90.3	9.7	47.0	53.0	83.8	16.2
1984 .....	91.1	8.9	45.3	54.7	83.5	16.5
1985 .....	91.7	8.3	54.9	45.1	85.1	14.9
<b>Kerosene</b>						
1983 .....	90.3	9.7	67.1	32.9	69.0	31.0
1984 .....	73.7	26.3	69.5	30.5	70.0	30.0
1985 .....	70.6	29.4	67.5	32.5	67.8	32.2
<b>No. 1 Distillate</b>						
1983 .....	84.9	5.1	58.5	41.5	64.4	35.6
1984 .....	W	W	59.4	40.6	65.0	35.0
1985 .....	W	W	54.5	45.5	58.9	41.1
<b>No. 2 Distillate</b>						
1983 .....	88.2	11.8	63.3	36.7	69.3	30.7
1984 .....	82.9	17.1	60.9	39.1	66.4	33.6
1985 .....	83.1	16.9	61.6	38.4	68.7	33.3
<b>No. 2 Fuel Oil</b>						
1983 .....	80.3	19.7	65.6	34.4	68.6	33.4
1984 .....	63.6	36.4	60.9	39.1	61.1	38.9
1985 .....	64.7	35.3	59.7	40.3	60.2	39.8
<b>No. 2 Diesel Fuel</b>						
1983 .....	89.5	10.5	60.4	39.6	71.5	28.5
1984 .....	86.4	13.6	61.0	39.0	70.7	29.3
1985 .....	86.7	13.3	63.9	36.1	72.3	27.7
<b>No. 4 Fuel*</b>						
1983 .....	58.0	42.0	27.8	72.2	41.1	58.9
1984 .....	62.4	37.6	17.7	82.3	30.5	69.5
1985 .....	57.7	42.3	23.6	76.4	33.8	66.2
<b>Residual Fuel Oil</b>						
1983 .....	88.1	11.9	50.6	49.4	72.5	27.5
1984 .....	69.5	30.5	39.0	61.0	57.5	42.5
1985 .....	64.7	35.3	47.0	53.0	56.9	43.1
<b>Sulfur Content not &gt; 1 %</b>						
1983 .....	86.0	14.0	47.7	52.3	72.6	27.4
1984 .....	67.2	32.8	33.2	66.8	56.7	43.3
1985 .....	57.1	42.9	46.9	53.1	53.2	46.8
<b>Sulfur Content &gt; 1 %</b>						
1983 .....	89.9	10.1	52.3	47.7	72.4	27.6
1984 .....	71.5	28.5	41.7	58.3	58.0	42.0
1985 .....	71.0	29.0	47.1	52.9	59.4	40.6
<b>Propane (Consumer Grade)</b>						
1983 .....	49.2	50.8	54.5	45.5	53.9	46.1
1984 .....	37.4	62.6	52.6	47.4	50.9	49.1
1985 .....	24.0	76.0	52.6	47.4	49.4	50.6

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

W = Withheld to avoid disclosure of individual company data.

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 38. Percentages of Refiner and Gas Plant Operator Petroleum Product Sales by Type of Sale, 1983 - 1985**  
 (Percent for Each Type of Seller)

Product Year	Major Refiners		Other Refiners and Gas Plant Operators		Average	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>Finished Motor Gasoline</b>						
1983 .....	15.9	84.1	21.9	78.1	17.4	82.6
1984 .....	17.8	82.2	22.4	77.6	18.9	81.1
1985 .....	17.5	82.5	20.7	79.3	18.3	81.7
<b>Leaded Regular</b>						
1983 .....	14.4	85.6	18.4	81.6	15.6	84.4
1984 .....	15.7	84.3	17.7	82.3	16.3	83.7
1985 .....	14.9	85.1	15.7	84.3	15.1	84.9
<b>Unleaded Regular</b>						
1983 .....	17.4	82.6	26.1	73.9	19.3	80.7
1984 .....	19.3	80.7	25.1	74.9	20.6	79.4
1985 .....	18.9	81.1	23.2	76.8	20.0	80.0
<b>Premium</b>						
1983 .....	16.0	84.0	32.8	67.2	17.7	82.3
1984 .....	18.6	81.4	42.3	57.7	21.4	78.6
1985 .....	18.4	81.6	39.5	60.5	20.8	79.2
<b>Finished Aviation Gasoline</b>						
1983 .....	W	W	W	W	36.3	63.7
1984 .....	31.0	69.0	5.0	95.0	29.6	70.4
1985 .....	28.8	71.2	9.8	90.2	27.6	72.4
<b>Kerosene-Type Jet Fuel</b>						
1983 .....	91.6	8.4	50.9	49.1	85.0	15.0
1984 .....	91.0	9.0	44.9	55.1	83.3	16.7
1985 .....	88.4	11.6	45.6	54.4	82.0	18.0
<b>Kerosene</b>						
1983 .....	10.6	89.4	2.5	97.5	8.1	91.9
1984 .....	12.8	87.2	10.7	89.3	12.2	87.8
1985 .....	10.1	89.9	8.9	91.1	9.7	90.3
<b>No. 1 Distillate</b>						
1983 .....	23.7	76.3	2.3	97.7	16.1	83.9
1984 .....	W	W	W	W	17.6	82.4
1985 .....	W	W	W	W	16.4	83.6
<b>No. 2 Distillate</b>						
1983 .....	30.6	69.4	9.2	90.8	24.0	76.0
1984 .....	31.0	69.0	12.7	87.3	24.9	75.1
1985 .....	29.3	70.7	11.9	88.1	23.5	76.5
<b>No. 2 Fuel Oil</b>						
1983 .....	8.7	91.3	4.3	95.7	7.2	92.8
1984 .....	9.0	91.0	8.1	91.9	8.7	91.3
1985 .....	9.0	91.0	7.5	92.5	8.4	91.6
<b>No. 2 Diesel Fuel</b>						
1983 .....	47.5	52.5	14.0	86.0	38.0	62.0
1984 .....	46.6	53.4	17.6	82.4	38.1	61.9
1985 .....	43.9	56.1	17.5	82.5	36.6	63.4
<b>No. 4 Fuel<sup>a</sup></b>						
1983 .....	62.1	37.9	31.3	68.7	44.0	56.0
1984 .....	58.7	41.3	15.5	84.5	28.7	71.3
1985 .....	50.9	49.1	19.0	81.0	29.8	70.2
<b>Residual Fuel Oil</b>						
1983 .....	71.0	29.0	25.4	74.6	58.4	41.6
1984 .....	73.3	26.7	43.5	56.5	60.6	39.4
1985 .....	63.5	36.5	45.7	54.3	55.8	44.2
<b>Sulfur Content not &gt; 1 %</b>						
1983 .....	77.1	22.9	33.3	66.7	65.1	34.9
1984 .....	82.0	18.0	52.5	47.5	69.2	30.8
1985 .....	66.4	33.6	56.7	43.3	61.9	38.1
<b>Sulfur Content &gt; 1 %</b>						
1983 .....	66.4	33.6	19.6	80.4	53.5	46.5
1984 .....	67.6	32.4	37.3	62.7	54.9	45.1
1985 .....	61.7	38.3	36.9	63.1	51.6	48.4
<b>Propane (Consumer Grade)</b>						
1983 .....	9.8	90.2	11.9	88.1	10.7	89.3
1984 .....	8.0	92.0	13.9	86.1	10.9	89.1
1985 .....	5.5	94.5	16.9	83.1	11.2	88.8

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

W = Withheld to avoid disclosure of individual company data.

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 39. Percentages of Refiner and Gas Plant Operator Sales of Finished Motor Gasoline Through Company-Operated Retail Outlets and for Resale by PAD District and State, 1983 - 1985**  
 (Percent for Each Type of Seller)

Geographic Area Year	Company-Operated Outlets		Sales for Resale	
	Major Refiners	Other Refiners and Gas Plant Operators	Major Refiners	Other Refiners and Gas Plant Operators
<b>U.S. Average</b>				
1983 .....	64.2	35.8	76.6	23.4
1984 .....	68.6	31.4	76.4	23.6
1985 .....	71.0	29.0	75.8	24.2
<b>PAD District I Average</b>				
1983 .....	77.4	22.6	90.3	9.7
1984 .....	78.0	22.0	89.6	10.4
1985 .....	79.1	20.9	85.3	14.7
<b>Subdistrict IA Average</b>				
1983 .....	99.0	1.0	98.8	1.2
1984 .....	95.4	4.6	91.3	8.7
1985 .....	94.8	5.2	89.7	10.3
<b>Connecticut</b>				
1983 .....	W	W	99.2	.8
1984 .....	61.4	38.6	91.8	8.2
1985 .....	W	W	91.5	8.5
<b>Maine</b>				
1983 .....	100.0	-	99.8	.2
1984 .....	91.7	8.3	91.6	8.4
1985 .....	88.6	11.4	89.0	11.0
<b>Massachusetts</b>				
1983 .....	100.0	.0	97.9	2.1
1984 .....	98.9	1.1	90.5	9.5
1985 .....	98.8	1.2	87.9	12.1
<b>New Hampshire</b>				
1983 .....	100.0	-	99.8	.2
1984 .....	92.4	7.6	88.4	11.6
1985 .....	91.4	8.6	85.2	14.8
<b>Rhode Island</b>				
1983 .....	100.0	-	100.0	-
1984 .....	97.6	2.4	94.6	5.4
1985 .....	96.9	3.1	95.6	4.4
<b>Vermont</b>				
1983 .....	100.0	-	97.8	2.2
1984 .....	58.5	41.5	91.3	8.7
1985 .....	53.0	47.0	89.8	10.2
<b>Subdistrict IB Average</b>				
1983 .....	83.6	16.4	94.8	5.2
1984 .....	78.1	21.9	94.4	5.6
1985 .....	75.6	24.4	85.2	14.8
<b>Delaware</b>				
1983 .....	100.0	-	96.7	3.3
1984 .....	100.0	-	W	.1
1985 .....	100.0	-	99.9	.1
<b>District of Columbia</b>				
1983 .....	100.0	-	100.0	-
1984 .....	100.0	-	100.0	-
1985 .....	-	-	99.5	.5

See footnotes at end of table.

**Table 39. Percentages of Refiner and Gas Plant Operator Sales of Finished Motor Gasoline Through Company-Operated Retail Outlets and for Resale by PAD District and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Company-Operated Outlets		Sales for Resale	
	Major Refiners	Other Refiners and Gas Plant Operators	Major Refiners	Other Refiners and Gas Plant Operators
<b>Maryland</b>				
1983 .....	W	W	92.6	7.4
1984 .....	W	W	92.3	7.7
1985 .....	18.9	81.1	92.3	7.7
<b>New Jersey</b>				
1983 .....	W	W	93.4	6.6
1984 .....	W	W	94.4	5.6
1985 .....	W	W	72.5	27.5
<b>New York</b>				
1983 .....	77.1	22.9	95.1	4.9
1984 .....	64.6	35.4	93.7	6.3
1985 .....	63.0	37.0	92.7	7.3
<b>Pennsylvania</b>				
1983 .....	83.1	16.9	96.4	3.6
1984 .....	79.7	20.3	95.1	4.9
1985 .....	75.2	24.8	93.4	6.6
<b>Subdistrict IC Average</b>				
1983 .....	67.3	32.7	82.8	17.2
1984 .....	75.0	25.0	83.9	16.1
1985 .....	78.7	20.3	84.1	15.9
<b>Florida</b>				
1983 .....	65.2	34.8	81.0	19.0
1984 .....	74.2	25.8	80.7	19.3
1985 .....	79.4	20.6	81.6	18.4
<b>Georgia</b>				
1983 .....	62.5	37.5	79.1	20.9
1984 .....	70.2	29.8	79.8	20.2
1985 .....	74.2	25.8	81.2	18.8
<b>North Carolina</b>				
1983 .....	64.5	35.5	84.1	15.9
1984 .....	71.2	28.8	87.4	12.6
1985 .....	77.8	22.2	86.8	13.2
<b>South Carolina</b>				
1983 .....	62.4	37.6	84.1	15.9
1984 .....	71.6	28.4	86.0	14.0
1985 .....	82.5	17.5	84.8	15.2
<b>Virginia</b>				
1983 .....	70.3	29.7	87.0	13.0
1984 .....	79.0	21.0	88.4	11.6
1985 .....	80.3	19.7	87.6	12.4
<b>West Virginia</b>				
1983 .....	92.5	7.5	88.9	11.1
1984 .....	94.8	5.2	90.7	9.3
1985 .....	95.7	4.3	90.4	9.6
<b>PAD District II Average</b>				
1983 .....	61.9	38.1	74.9	25.1
1984 .....	64.7	35.3	71.9	28.1
1985 .....	66.1	33.9	72.6	27.4

See footnotes at end of table.

**Table 39. Percentages of Refiner and Gas Plant Operator Sales of Finished Motor Gasoline Through Company-Operated Retail Outlets and for Resale by PAD District and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Company-Operated Outlets		Sales for Resale	
	Major Refiners	Other Refiners and Gas Plant Operators	Major Refiners	Other Refiners and Gas Plant Operators
<b>Illinois</b>				
1983 .....	60.0	40.0	93.5	6.5
1984 .....	68.9	31.1	93.5	6.5
1985 .....	70.3	29.7	93.2	6.8
<b>Indiana</b>				
1983 .....	44.4	55.6	81.6	18.4
1984 .....	53.3	46.7	81.2	18.8
1985 .....	54.2	45.8	77.0	23.0
<b>Iowa</b>				
1983 .....	36.9	63.1	72.3	27.7
1984 .....	31.8	68.2	63.5	36.5
1985 .....	32.6	67.4	62.7	37.3
<b>Kansas</b>				
1983 .....	37.3	62.7	36.2	63.8
1984 .....	21.6	78.4	27.2	72.8
1985 .....	24.6	75.4	28.7	71.3
<b>Kentucky</b>				
1983 .....	64.7	35.3	89.0	11.0
1984 .....	68.5	31.5	91.3	8.7
1985 .....	71.6	28.4	93.0	7.0
<b>Michigan</b>				
1983 .....	45.7	54.3	81.7	18.3
1984 .....	48.1	51.9	80.5	19.5
1985 .....	49.5	50.5	80.9	19.1
<b>Minnesota</b>				
1983 .....	79.5	20.5	61.5	38.5
1984 .....	80.8	19.2	59.8	40.2
1985 .....	81.8	18.2	61.7	38.3
<b>Missouri</b>				
1983 .....	37.1	62.9	67.8	32.2
1984 .....	39.6	60.4	65.5	34.5
1985 .....	41.4	58.6	65.8	34.2
<b>Nebraska</b>				
1983 .....	53.0	47.0	61.3	38.7
1984 .....	25.4	74.6	53.4	46.6
1985 .....	20.7	79.3	50.3	49.7
<b>North Dakota</b>				
1983 .....	69.4	30.6	63.0	37.0
1984 .....	W	40.4	59.0	41.0
1985 .....	54.3	45.7	57.1	42.9
<b>Ohio</b>				
1983 .....	86.6	13.4	91.1	8.9
1984 .....	87.3	12.7	88.6	11.4
1985 .....	89.4	10.6	89.1	10.9
<b>Oklahoma</b>				
1983 .....	68.7	31.3	61.5	38.5
1984 .....	63.1	36.9	55.9	44.1
1985 .....	63.6	36.4	62.4	37.6

See footnotes at end of table.

**Table 39. Percentages of Refiner and Gas Plant Operator Sales of Finished Motor Gasoline Through Company-Operated Retail Outlets and for Resale by PAD District and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Company-Operated Outlets		Sales for Resale	
	Major Refiners	Other Refiners and Gas Plant Operators	Major Refiners	Other Refiners and Gas Plant Operators
<b>South Dakota</b>				
1983 .....	81.3	18.7	54.5	45.5
1984 .....	59.2	W	49.3	50.7
1985 .....	56.6	43.4	47.8	52.2
<b>Tennessee</b>				
1983 .....	35.5	64.5	74.0	26.0
1984 .....	58.7	41.3	77.1	22.9
1985 .....	59.5	40.5	81.6	18.4
<b>Wisconsin</b>				
1983 .....	63.3	36.7	66.9	33.1
1984 .....	65.5	34.5	68.4	31.6
1985 .....	65.4	34.6	69.7	30.3
<b>PAD District III Average</b>				
1983 .....	60.9	39.1	53.7	46.3
1984 .....	65.3	34.7	58.3	41.7
1985 .....	69.8	30.2	59.2	40.8
<b>Alabama</b>				
1983 .....	44.2	55.8	62.2	37.8
1984 .....	53.1	46.9	65.2	34.8
1985 .....	58.1	41.9	76.3	23.7
<b>Arkansas</b>				
1983 .....	41.5	58.5	58.7	41.3
1984 .....	56.6	43.4	59.6	40.4
1985 .....	58.2	41.8	62.3	37.7
<b>Louisiana</b>				
1983 .....	66.2	33.8	63.5	36.5
1984 .....	66.4	33.6	67.3	32.7
1985 .....	69.8	30.2	66.0	34.0
<b>Mississippi</b>				
1983 .....	42.4	57.6	67.5	32.5
1984 .....	43.6	56.4	74.6	25.4
1985 .....	49.9	50.1	74.5	25.5
<b>New Mexico</b>				
1983 .....	15.0	85.0	44.8	55.2
1984 .....	41.5	58.5	43.5	56.5
1985 .....	59.1	40.9	45.3	54.7
<b>Texas</b>				
1983 .....	65.2	34.8	49.5	50.5
1984 .....	68.4	31.6	54.6	45.4
1985 .....	72.4	27.6	54.7	45.3
<b>PAD District IV Average</b>				
1983 .....	35.8	64.2	55.1	44.9
1984 .....	61.2	38.8	55.4	44.6
1985 .....	66.8	33.2	56.9	43.1
<b>Colorado</b>				
1983 .....	27.3	72.7	56.1	43.9
1984 .....	53.2	46.8	55.1	44.9
1985 .....	59.4	40.6	57.3	42.7

See footnotes at end of table.

**Table 39. Percentages of Refiner and Gas Plant Operator Sales of Finished Motor Gasoline Through Company-Operated Retail Outlets and for Resale by PAD District and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Company-Operated Outlets		Sales for Resale	
	Major Refiners	Other Refiners and Gas Plant Operators	Major Refiners	Other Refiners and Gas Plant Operators
<b>Idaho</b>				
1983 .....	27.7	72.3	60.7	39.3
1984 .....	66.7	33.3	59.1	40.9
1985 .....	W	W	63.0	37.0
<b>Montana</b>				
1983 .....	76.8	23.2	62.8	37.2
1984 .....	75.9	W	62.1	37.9
1985 .....	76.9	23.1	59.0	41.0
<b>Utah</b>				
1983 .....	64.5	35.5	45.9	54.1
1984 .....	W	W	49.7	50.3
1985 .....	92.5	7.5	52.6	47.4
<b>Wyoming</b>				
1983 .....	-	100.0	51.0	49.0
1984 .....	-	100.0	53.5	46.5
1985 .....	-	100.0	53.9	46.1
<b>PAD District V Average</b>				
1983 .....	50.8	49.2	84.2	15.8
1984 .....	66.2	33.8	82.0	18.0
1985 .....	71.0	29.0	84.1	15.9
<b>Alaska</b>				
1983 .....	-	100.0	75.2	24.8
1984 .....	-	100.0	W	18.8
1985 .....	-	100.0	76.9	23.1
<b>Arizona</b>				
1983 .....	25.4	74.6	87.8	12.2
1984 .....	47.8	52.2	87.0	13.0
1985 .....	80.9	19.1	85.0	15.0
<b>California</b>				
1983 .....	58.4	41.6	82.6	17.4
1984 .....	71.3	28.7	78.9	21.1
1985 .....	69.5	30.5	82.2	17.8
<b>Hawaii</b>				
1983 .....	-	100.0	84.7	15.3
1984 .....	8.0	92.0	W	5.6
1985 .....	11.7	88.3	91.1	8.9
<b>Nevada</b>				
1983 .....	36.7	63.3	80.8	19.2
1984 .....	67.2	32.8	85.3	14.7
1985 .....	87.2	12.8	88.3	11.7
<b>Oregon</b>				
1983 .....	68.1	31.9	89.4	10.6
1984 .....	65.4	34.6	90.0	10.0
1985 .....	61.8	38.2	89.6	10.4
<b>Washington</b>				
1983 .....	47.1	52.9	89.5	10.5
1984 .....	67.1	32.9	89.9	10.1
1985 .....	75.0	25.0	90.6	9.4

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown represent the percentage of refiner and gas plant operator sales through company-operated retail outlets (100 percent) by type of seller and sales for resale (100 percent) by type of seller. The sum of the percentages of refiners and gas plant operators is 100 percent for this type of sale.

Note: Totals may not equal the sum of components due to rounding.

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

**Table 40. Percentages of Refiner and Gas Plant Operator Finished Motor Gasoline Sales by Type of Sale, PAD District, and State, 1983 - 1985**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Average		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>U.S. Average</b>									
1983 .....	12.3	3.6	84.1	20.8	1.1	78.1	14.4	3.0	82.6
1984 .....	15.1	2.7	82.2	21.1	1.3	77.6	16.6	2.4	81.1
1985 .....	15.2	2.3	82.5	18.7	2.0	79.3	16.1	2.2	81.7
<b>PAD District I Average</b>									
1983 .....	10.8	4.0	85.2	25.3	1.2	73.6	12.4	3.7	83.9
1984 .....	12.6	2.5	84.9	25.8	3.0	71.3	14.2	2.5	83.2
1985 .....	12.1	2.0	85.8	17.0	4.3	78.7	12.9	2.4	84.7
<b>Subdistrict IA Average</b>									
1983 .....	W	W	86.7	W	W	92.6	8.5	4.7	86.8
1984 .....	W	W	W	W	W	W	8.9	2.6	88.5
1985 .....	W	W	W	W	W	W	7.4	2.3	90.3
<b>Connecticut</b>									
1983 .....	W	6.2	W	W	NA	W	.8	6.1	93.1
1984 .....	W	W	W	W	2.2	W	1.0	3.2	95.8
1985 .....	W	W	W	W		W	.7	2.7	96.6
<b>Maine</b>									
1983 .....	6.4	2.8	80.8	-	W	W	6.4	2.8	90.8
1984 .....	7.3	1.2	91.5	W	W	W	7.3	1.5	91.2
1985 .....	W	W	W	W	W	W	5.6	1.7	92.7
<b>Massachusetts</b>									
1983 .....	W	W	W	W	-	W	12.3	4.7	83.0
1984 .....	W	W	83.8	W	W	93.3	12.6	2.7	84.6
1985 .....	W	W	W	W	W	W	10.1	2.4	87.4
<b>New Hampshire</b>									
1983 .....	23.6	4.9	71.4	-	-	100.0	23.6	4.9	71.5
1984 .....	W	W	72.6	W	W	78.0	24.1	2.8	73.1
1985 .....	W	W	75.1	W	W	82.1	21.3	2.6	76.1
<b>Rhode Island</b>									
1983 .....	8.1	4.0	87.9	-	-	-	8.1	4.0	87.9
1984 .....	8.6	1.6	89.8	W	W	W	8.3	1.6	90.1
1985 .....	7.6	1.5	90.9	W	W	W	7.5	1.5	91.0
<b>Vermont</b>									
1983 .....	4.3	W	W	-	-	100.0	W	W	W
1984 .....	W	W	94.4	W	W	69.2	6.5	2.0	91.5
1985 .....	W	W	94.8	W	W	70.9	6.2	2.2	91.6
<b>Subdistrict IB Average</b>									
1983 .....	W	W	W	W	W	W	12.5	4.1	83.4
1984 .....	W	W	W	W	W	W	13.8	2.8	83.5
1985 .....	10.1	2.1	87.8	16.6	5.9	77.5	11.2	2.7	86.1
<b>Delaware</b>									
1983 .....	W	5.1	W	-	-	100.0	4.8	4.9	90.3
1984 .....	W	W	W	-	-	100.0	5.9	W	W
1985 .....	4.7	2.1	93.2	-	-	100.0	4.7	2.1	93.2
<b>District of Columbia</b>									
1983 .....	W	5.7	W	-	-	-	.0	5.7	94.2
1984 .....	W	W	W	-	-	-	W	W	W
1985 .....	-	5.0	95.0	-	-	100.0	-	5.0	95.0

See footnotes at end of table.

**Table 40. Percentages of Refiner and Gas Plant Operator Finished Motor Gasoline Sales by Type of Sale, PAD District, and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Average		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>Maryland</b>									
1983 .....	W	W	91.8	W	W	92.9	0.6	7.6	91.9
1984 .....	W	W	92.3	W	W	96.8	.1	7.3	92.6
1985 .....	W	W	93.8	W	W	98.8	.1	5.7	94.2
<b>New Jersey</b>									
1983 .....	W	W	86.0	W	W	91.3	10.5	3.2	86.3
1984 .....	W	W	W	W	W	85.4	11.2	1.7	87.1
1985 .....	8.8	1.1	90.1	W	W	W	6.9	.9	92.2
<b>New York</b>									
1983 .....	W	W	W	W	W	W	16.1	5.0	76.9
1984 .....	12.7	2.4	84.9	51.0	7.4	41.6	17.3	3.0	79.7
1985 .....	W	W	W	W	W	W	15.7	3.4	80.8
<b>Pennsylvania</b>									
1983 .....	14.7	2.4	82.9	45.3	7.9	46.8	16.6	2.7	80.7
1984 .....	16.9	1.5	81.6	47.0	7.2	45.8	19.5	2.0	78.6
1985 .....	15.7	1.3	83.0	38.7	17.2	44.2	18.4	3.2	78.4
<b>Subdistrict IC Average</b>									
1983 .....	W	W	W	W	W	W	13.6	2.9	83.6
1984 .....	W	2.4	W	W	1.8	W	16.4	2.2	81.4
1985 .....	15.7	2.0	82.3	19.9	2.4	77.7	16.4	2.1	81.5
<b>Florida</b>									
1983 .....	12.3	2.8	85.0	24.6	.3	75.1	14.9	2.2	82.9
1984 .....	17.7	W	W	23.7	W	W	18.9	2.3	78.7
1985 .....	18.2	2.0	79.7	20.0	4.0	78.0	18.6	2.4	79.0
<b>Georgia</b>									
1983 .....	12.6	3.1	84.4	25.2	.0	74.7	15.5	2.4	82.1
1984 .....	W	W	W	W	W	W	15.9	1.4	82.6
1985 .....	14.2	1.5	84.3	20.0	1.0	79.1	15.3	1.4	83.3
<b>North Carolina</b>									
1983 .....	5.9	4.2	90.0	15.8	NA	83.8	7.6	3.5	86.9
1984 .....	W	W	W	W	W	W	9.0	2.5	88.5
1985 .....	8.5	2.4	89.0	15.2	.1	84.8	9.5	2.1	88.4
<b>South Carolina</b>									
1983 .....	7.8	5.9	86.5	W	W	W	10.0	4.9	85.1
1984 .....	12.9	W	W	27.4	W	W	15.2	3.1	81.7
1985 .....	W	W	W	W	W	W	17.5	2.0	80.5
<b>Virginia</b>									
1983 .....	12.3	2.3	85.4	28.8	.6	70.8	14.8	2.0	83.2
1984 .....	16.7	W	W	29.0	W	W	18.3	1.7	80.0
1985 .....	W	W	W	W	W	W	18.1	1.6	80.2
<b>West Virginia</b>									
1983 .....	W	W	69.0	W	W	69.8	25.6	5.3	69.1
1984 .....	W	W	70.6	W	W	72.8	24.5	4.7	70.8
1985 .....	W	W	69.2	W	W	74.7	26.1	4.2	69.7
<b>PAD District II Average</b>									
1983 .....	18.0	3.9	78.1	29.6	.5	89.9	21.2	2.9	75.9
1984 .....	20.3	3.6	76.2	26.9	.5	72.6	22.2	2.7	75.1
1985 .....	20.2	3.4	76.4	26.2	.5	73.3	21.9	2.6	75.5

See footnotes at end of table.

**Table 40. Percentages of Refiner and Gas Plant Operator Finished Motor Gasoline Sales by Type of Sale, PAD District, and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Average		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>Illinois</b>									
1983 .....	W	W	W	W	W	W	15.1	1.2	83.7
1984 .....	15.6	W	W	54.8	W	W	20.1	.9	79.0
1985 .....	W	W	W	W	W	W	21.0	.8	78.2
<b>Indiana</b>									
1983 .....	14.1	2.7	83.2	48.2	0.4	51.4	23.2	2.1	74.7
1984 .....	19.1	W	W	47.4	W	W	26.5	2.3	71.2
1985 .....	18.7	1.4	79.9	39.7	.2	60.1	24.6	1.1	74.3
<b>Iowa</b>									
1983 .....	4.7	1.7	93.6	18.3	.1	81.6	8.9	1.2	89.9
1984 .....	7.1	.8	92.3	22.2	.1	77.6	13.2	.4	86.4
1985 .....	6.9	1.1	92.1	20.5	.3	79.2	12.4	.7	86.8
<b>Kansas</b>									
1983 .....	8.7	2.9	88.5	8.5	.3	91.2	8.6	1.2	90.2
1984 .....	6.7	W	W	8.9	W	W	8.3	.5	91.2
1985 .....	7.0	2.4	90.6	8.7	.1	91.2	8.2	.7	91.0
<b>Kentucky</b>									
1983 .....	14.6	4.0	81.4	44.0	.2	55.7	19.1	3.4	77.4
1984 .....	16.1	3.6	80.3	49.2	.2	50.7	20.4	3.1	76.5
1985 .....	15.5	4.4	80.1	50.4	.1	49.5	19.3	3.9	76.8
<b>Michigan</b>									
1983 .....	15.5	3.6	80.8	50.4	.0	49.6	24.9	2.7	72.5
1984 .....	17.3	3.6	79.1	49.5	.0	50.5	26.2	2.6	71.2
1985 .....	17.6	3.3	79.1	49.2	.0	50.8	26.1	2.4	71.5
<b>Minnesota</b>									
1983 .....	20.6	2.0	77.4	9.8	.5	89.7	16.8	1.4	81.7
1984 .....	W	W	W	W	W	W	18.3	.9	80.8
1985 .....	23.1	1.3	75.6	9.9	.3	89.8	18.6	1.0	80.5
<b>Missouri</b>									
1983 .....	9.1	1.9	89.0	26.7	.1	73.2	15.5	1.2	83.2
1984 .....	W	W	88.6	W	W	71.4	18.4	1.0	80.7
1985 .....	11.9	1.4	86.7	27.1	.1	72.8	17.7	.9	81.4
<b>Nebraska</b>									
1983 .....	8.7	2.1	89.2	12.0	.3	87.7	10.0	1.4	88.6
1984 .....	5.3	1.4	93.3	W	W	W	10.6	.7	88.7
1985 .....	W	W	93.7	15.6	-	84.4	10.3	.9	88.8
<b>North Dakota</b>									
1983 .....	W	W	93.3	W	W	96.9	3.6	1.8	94.6
1984 .....	W	W	W	W	W	97.6	W	W	W
1985 .....	W	W	95.3	W	W	97.4	2.4	1.5	96.2
<b>Ohio</b>									
1983 .....	42.0	10.1	47.9	56.1	3.4	40.5	43.5	9.4	47.1
1984 .....	W	W	W	W	W	W	43.3	9.5	47.1
1985 .....	41.8	10.5	47.8	44.2	3.5	52.3	42.0	9.8	48.2
<b>Oklahoma</b>									
1983 .....	12.1	5.6	82.3	9.7	NA	90.0	11.2	3.7	85.1
1984 .....	W	W	W	11.5	W	W	13.0	3.1	83.9
1985 .....	13.1	3.8	83.1	13.0	.5	86.5	13.1	2.6	84.3

See footnotes at end of table.

**Table 40. Percentages of Refiner and Gas Plant Operator Finished Motor Gasoline Sales by Type of Sale, PAD District, and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Average		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users		Through Company Outlets <sup>a</sup>	Other End-Users	
<b>South Dakota</b>									
1983 .....	W	W	90.9	W	W	98.3	4.0	1.9	94.1
1984 .....	W	W	W	2.8	-	97.2	W	W	W
1985 .....	W	W	94.6	2.6	-	97.4	3.0	.9	96.1
<b>Tennessee</b>									
1983 .....	12.6	1.4	86.1	42.7	0.8	56.5	23.1	1.2	75.8
1984 .....	14.9	W	W	29.3	W	W	18.7	1.2	80.1
1985 .....	14.6	.8	84.7	33.5	1.9	64.6	18.8	1.0	80.1
<b>Wisconsin</b>									
1983 .....	19.9	1.6	78.5	22.9	.2	76.9	20.9	1.1	78.0
1984 .....	19.7	W	W	22.0	W	W	20.5	.8	78.8
1985 .....	18.7	.7	80.6	W	W	W	19.7	.5	79.7
<b>PAD District III Average</b>									
1983 .....	13.8	3.2	83.0	10.9	.6	88.4	12.5	2.0	85.4
1984 .....	18.7	2.1	79.2	14.9	.5	84.6	17.2	1.5	81.4
1985 .....	19.0	1.2	79.8	12.8	.9	86.2	18.6	1.1	82.3
<b>Alabama</b>									
1983 .....	8.8	2.7	88.5	17.0	.5	82.5	12.0	1.8	88.1
1984 .....	10.0	1.5	88.5	15.7	.4	83.9	12.0	1.1	88.9
1985 .....	9.5	1.8	89.0	19.8	.3	79.9	12.1	1.2	88.7
<b>Arkansas</b>									
1983 .....	3.7	1.0	85.3	7.2	.7	92.1	5.2	.9	94.0
1984 .....	W	.8	W	W	1.0	W	7.0	.9	92.2
1985 .....	W	W	W	W	W	W	7.2	.9	91.9
<b>Louisiana</b>									
1983 .....	16.4	2.4	81.2	15.1	.6	84.2	16.0	1.8	82.3
1984 .....	21.2	3.8	75.0	22.7	.6	76.8	21.7	2.8	75.5
1985 .....	22.4	1.3	78.3	19.6	.7	79.7	21.5	1.1	77.4
<b>Mississippi</b>									
1983 .....	4.0	1.4	94.6	10.7	.2	89.1	6.3	1.0	92.7
1984 .....	5.8	.8	93.4	W	W	W	9.6	.8	89.8
1985 .....	6.5	2.7	90.7	17.2	.8	81.9	9.5	2.2	88.3
<b>New Mexico</b>									
1983 .....	W	W	W	W	W	W	9.7	.8	89.5
1984 .....	W	W	W	W	W	W	11.4	.8	87.8
1985 .....	W	W	88.3	W	W	92.5	9.7	.8	89.6
<b>Texas</b>									
1983 .....	16.5	4.0	79.5	9.8	.7	89.6	13.3	2.4	84.3
1984 .....	22.6	2.1	75.3	14.2	.8	85.2	19.0	1.5	79.5
1985 .....	22.6	1.0	76.5	11.8	1.0	87.1	18.0	1.0	81.0
<b>PAD District IV Average</b>									
1983 .....	6.7	1.9	91.4	13.8	.4	85.8	10.0	1.2	88.8
1984 .....	15.2	1.3	83.5	12.6	.3	87.1	14.1	.9	85.1
1985 .....	17.0	1.2	81.8	12.0	.4	87.6	14.9	.9	84.2
<b>Colorado</b>									
1983 .....	8.3	1.9	89.7	24.0	NA	78.0	15.8	1.0	83.1
1984 .....	W	W	W	W	W	W	20.8	.6	78.6
1985 .....	23.0	1.1	75.9	21.7	.0	78.2	22.5	.6	76.9

See footnotes at end of table.

**Table 40. Percentages of Refiner and Gas Plant Operator Finished Motor Gasoline Sales by Type of Sale, PAD District, and State, 1983 - 1985—Continued**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners			Other Refiners and Gas Plant Operators			Average		
	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale	Sales to End-Users		Sales for Resale
	Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users		Through Company Outlets*	Other End-Users	
<b>Idaho</b>									
1983 .....	1.7	1.6	96.7	6.8	0.1	93.1	3.8	1.0	95.3
1984 .....	W	W	W	3.4	W	W	4.1	W	W
1985 .....	W	W	W	W	W	96.6	W	W	W
<b>Montana</b>									
1983 .....	W	W	92.2	W	W	95.6	6.0	.5	93.4
1984 .....	W	W	92.4	W	W	W	W	W	93.7
1985 .....	W	W	91.9	W	W	96.4	6.2	.1	93.7
<b>Utah</b>									
1983 .....	W	W	87.5	W	W	95.2	6.8	1.7	91.5
1984 .....	W	W	75.8	W	W	W	13.7	1.3	85.0
1985 .....	W	W	75.5	W	W	96.8	14.5	1.3	84.2
<b>Wyoming</b>									
1983 .....	-	1.9	98.1	6.7	2.7	90.6	3.4	2.3	94.3
1984 .....	-	W	W	W	W	W	2.1	W	W
1985 .....	-	2.0	98.0	W	W	93.5	1.8	2.4	95.8
<b>PAD District V Average</b>									
1983 .....	6.0	3.1	90.9	24.3	4.4	71.3	9.5	3.4	87.1
1984 .....	9.3	2.8	87.9	19.0	3.7	77.4	11.2	3.0	85.8
1985 .....	10.5	2.3	87.2	19.5	5.8	74.7	12.2	2.9	84.9
<b>Alaska</b>									
1983 .....	-	W	W	W	W	W	11.6	11.0	77.4
1984 .....	-	10.9	89.1	W	W	W	W	W	W
1985 .....	-	W	W	W	W	W	6.6	9.6	83.8
<b>Arizona</b>									
1983 .....	5.4	3.1	91.5	55.4	.3	44.3	16.5	2.5	81.0
1984 .....	W	W	W	W	W	W	16.6	2.2	81.1
1985 .....	16.4	2.1	81.5	21.1	.9	78.0	17.1	1.9	81.0
<b>California</b>									
1983 .....	7.0	3.0	90.0	18.4	5.9	74.6	9.5	3.6	86.9
1984 .....	W	2.9	W	W	4.5	W	10.8	3.3	86.0
1985 .....	10.3	2.4	87.4	17.9	7.0	75.1	11.8	3.3	84.9
<b>Hawaii</b>									
1983 .....	-	12.0	88.0	W	W	W	2.3	10.3	87.5
1984 .....	W	W	W	W	-	W	W	9.6	W
1985 .....	W	W	W	W	W	W	5.7	5.6	88.7
<b>Nevada</b>									
1983 .....	W	W	W	W	W	72.2	10.3	1.7	88.1
1984 .....	9.9	W	W	24.3	W	W	12.3	1.8	85.9
1985 .....	W	W	87.2	W	W	84.7	11.1	2.0	86.9
<b>Oregon</b>									
1983 .....	W	W	96.7	W	W	93.5	2.2	1.5	96.3
1984 .....	W	1.0	W	W	W	W	3.1	.9	96.0
1985 .....	W	W	W	W	W	W	4.2	.9	94.9
<b>Washington</b>									
1983 .....	5.6	2.4	92.1	36.6	.6	62.8	10.1	2.1	87.8
1984 .....	12.3	W	W	38.4	W	W	15.8	1.7	82.5
1985 .....	W	W	83.3	W	W	62.7	17.6	1.6	80.8

\* Sales through company-operated retail outlets.

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 41. Percentages of Refiner and Gas Plant Operator Kerosene-Type Jet Fuel Sales by Type of Sale and PAD District, 1983 - 1985**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners		Other Refiners and Gas Plant Operators		Average	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Average</b>						
1983 .....	91.6	8.4	50.9	49.1	85.0	15.0
1984 .....	91.0	9.0	44.9	55.1	83.3	16.7
1985 .....	88.4	11.6	45.6	54.4	82.0	18.0
<b>PAD District I Average</b>						
1983 .....	94.5	5.5	W	W	93.7	6.3
1984 .....	92.3	7.7	56.3	43.7	89.3	10.7
1985 .....	91.8	8.2	71.1	28.9	90.5	9.5
<b>Subdistrict IA Average</b>						
1983 .....	97.7	2.3	W	W	97.7	2.3
1984 .....	96.5	3.5	W	W	95.5	4.5
1985 .....	94.1	5.9	W	W	93.6	6.4
<b>Subdistrict IB Average</b>						
1983 .....	92.0	8.0	W	W	90.8	9.2
1984 .....	88.8	11.2	W	W	84.3	15.7
1985 .....	89.1	10.9	35.7	64.3	87.2	12.8
<b>Subdistrict IC Average</b>						
1983 .....	96.9	3.1	W	W	96.3	3.7
1984 .....	96.0	4.0	W	W	94.4	5.6
1985 .....	95.1	4.9	W	W	94.2	5.8
<b>PAD District II Average</b>						
1983 .....	93.0	7.0	63.0	37.0	90.0	10.0
1984 .....	92.3	7.7	43.8	56.2	86.1	13.9
1985 .....	89.8	10.2	45.9	54.1	84.0	16.0
<b>PAD District III Average</b>						
1983 .....	81.6	18.4	18.8	81.2	64.5	35.5
1984 .....	83.3	16.7	13.7	86.3	66.3	33.7
1985 .....	74.0	26.0	12.4	87.6	61.1	38.9
<b>PAD District IV Average</b>						
1983 .....	92.1	7.9	W	W	87.5	12.5
1984 .....	93.4	6.6	67.7	32.3	85.1	14.9
1985 .....	93.7	6.3	72.2	27.8	87.4	12.6
<b>PAD District V Average</b>						
1983 .....	94.2	5.8	68.9	31.1	88.8	11.2
1984 .....	93.8	6.2	65.5	34.5	88.2	11.8
1985 .....	94.1	5.9	62.1	37.9	88.0	12.0

W = Withheld to avoid disclosure of individual company data.

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 42. Percentages of Refiner and Gas Plant Operator No. 2 Distillate Sales by Type of Sale and PAD District, 1983 - 1985**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners		Other Refiners and Gas Plant Operators		Average	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Average</b>						
1983 .....	30.6	69.4	9.2	90.8	24.0	76.0
1984 .....	31.0	69.0	12.7	87.3	24.9	75.1
1985 .....	29.3	70.7	11.9	88.1	23.5	76.5
<b>PAD District I Average</b>						
1983 .....	25.9	74.1	9.1	90.9	23.1	76.9
1984 .....	26.9	73.1	16.9	83.1	23.8	76.1
1985 .....	26.0	74.0	16.7	83.3	23.0	77.0
<b>Subdistrict IA Average</b>						
1983 .....	15.1	84.9	14.1	85.9	15.0	85.0
1984 .....	17.3	82.7	11.9	88.1	14.9	85.1
1985 .....	17.9	82.1	16.7	83.3	17.4	82.6
<b>Subdistrict IB Average</b>						
1983 .....	22.5	77.5	10.0	90.0	20.2	79.8
1984 .....	22.6	77.4	19.2	80.8	21.6	78.4
1985 .....	20.6	79.4	16.5	83.5	19.2	80.8
<b>Subdistrict IC Average</b>						
1983 .....	37.9	62.1	6.5	93.5	32.1	67.9
1984 .....	38.4	61.6	17.4	82.6	33.7	66.3
1985 .....	38.0	62.0	17.1	82.9	33.4	66.6
<b>PAD District II Average</b>						
1983 .....	34.7	65.3	8.8	91.2	26.9	73.1
1984 .....	35.4	64.6	8.3	91.7	26.4	73.6
1985 .....	34.7	65.3	7.6	92.4	25.9	74.1
<b>PAD District III Average</b>						
1983 .....	25.5	74.5	6.9	93.1	15.8	84.2
1984 .....	25.3	74.7	10.4	89.6	18.7	81.3
1985 .....	23.9	78.1	8.1	91.9	17.4	82.6
<b>PAD District IV Average</b>						
1983 .....	40.0	60.0	15.0	85.0	28.7	70.3
1984 .....	38.3	61.7	20.6	79.4	30.5	69.5
1985 .....	37.0	63.0	20.1	79.9	29.7	70.3
<b>PAD District V Average</b>						
1983 .....	39.6	60.4	16.8	83.2	34.2	65.8
1984 .....	39.8	60.2	13.8	86.2	33.4	66.6
1985 .....	34.3	65.7	13.6	86.4	29.7	70.3

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 43. Percentages of Refiner and Gas Plant Operator Propane Sales by Type of Sale and PAD District, 1983 - 1985**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners		Other Refiners and Gas Plant Operators		Average	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Average</b>						
1983 .....	9.8	90.2	11.9	88.1	10.7	89.3
1984 .....	8.0	92.0	13.9	86.1	10.9	89.1
1985 .....	5.5	94.5	16.9	83.1	11.2	88.8
<b>PAD District I Average</b>						
1983 .....	3.6	96.4	47.1	52.9	16.7	83.3
1984 .....	3.0	97.0	47.9	52.1	19.2	80.8
1985 .....	2.5	97.5	49.9	50.1	19.5	80.5
<b>Subdistrict IA Average</b>						
1983 .....	1.7	98.3	55.8	44.2	30.5	69.5
1984 .....	2.3	97.7	54.9	45.1	33.2	66.8
1985 .....	1.4	98.6	61.2	38.8	38.3	63.7
<b>Subdistrict IB Average</b>						
1983 .....	7.4	92.6	51.7	48.3	23.1	76.9
1984 .....	5.0	95.0	54.7	45.3	24.9	75.1
1985 .....	3.0	97.0	50.0	50.0	21.8	78.2
<b>Subdistrict IC Average</b>						
1983 .....	1.9	98.1	38.2	61.8	9.8	90.2
1984 .....	2.0	98.0	38.5	61.5	12.4	87.6
1985 .....	2.3	97.7	44.2	55.8	13.9	86.1
<b>PAD District II Average</b>						
1983 .....	12.3	87.7	5.8	94.2	9.3	90.7
1984 .....	12.8	87.2	9.1	90.9	11.0	89.0
1985 .....	5.0	95.0	13.0	87.0	9.1	90.9
<b>PAD District III Average</b>						
1983 .....	13.6	86.4	3.9	96.1	8.6	91.4
1984 .....	7.4	92.6	3.7	96.3	5.4	94.6
1985 .....	8.2	91.8	4.6	95.4	6.3	93.7
<b>PAD District IV Average</b>						
1983 .....	1.7	98.3	W	W	W	W
1984 .....	2.0	98.0	24.4	75.6	16.8	83.2
1985 .....	3.4	98.6	30.7	69.3	22.3	77.7
<b>PAD District V Average</b>						
1983 .....	.1	99.9	W	W	W	W
1984 .....	1.6	98.4	43.2	56.8	22.0	78.0
1985 .....	.0	100.0	45.6	54.4	26.8	73.2

W = Withheld to avoid disclosure of individual company data.

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

Note: Totals may not equal the sum of components due to rounding.

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

**Table 44. Percentages of Refiner and Gas Plant Operator Residual Fuel Oil Sales by Type of Sale and PAD District, 1983 - 1985**  
 (Percent for Each Type of Seller)

Geographic Area Year	Major Refiners		Other Refiners and Gas Plant Operators		Average	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
<b>U.S. Average</b>						
1983 .....	71.0	29.0	25.4	74.6	58.4	41.6
1984 .....	73.3	26.7	43.5	56.5	60.6	39.4
1985 .....	63.5	36.5	45.7	54.3	55.8	44.2
<b>PAD District I Average</b>						
1983 .....	78.9	21.1	52.3	47.7	74.8	25.2
1984 .....	81.5	18.5	58.2	41.8	71.2	28.8
1985 .....	74.2	25.8	60.0	40.0	67.7	32.3
<b>Subdistrict IA Average</b>						
1983 .....	72.5	27.5	84.5	15.5	77.2	22.8
1984 .....	67.3	32.7	62.8	37.2	63.9	36.1
1985 .....	55.0	45.0	67.0	33.0	64.2	35.8
<b>Subdistrict IB Average</b>						
1983 .....	80.8	19.2	29.5	70.5	74.4	25.6
1984 .....	84.1	15.9	40.1	59.9	71.8	28.2
1985 .....	73.6	26.4	51.7	48.3	66.8	33.2
<b>Subdistrict IC Average</b>						
1983 .....	77.9	22.1	12.7	87.3	74.1	25.9
1984 .....	81.4	18.6	73.6	26.4	78.1	21.9
1985 .....	86.0	14.0	61.5	38.5	73.2	26.8
<b>PAD District II Average</b>						
1983 .....	71.3	28.7	17.6	82.4	51.3	48.7
1984 .....	63.7	36.3	26.7	73.3	46.2	53.8
1985 .....	62.8	37.2	20.4	79.6	44.1	55.9
<b>PAD District III Average</b>						
1983 .....	52.2	47.8	2.2	97.8	36.4	63.6
1984 .....	62.8	37.2	20.0	80.0	50.1	49.9
1985 .....	50.0	50.0	27.1	72.9	43.5	56.5
<b>PAD District IV Average</b>						
1983 .....	60.7	39.3	4.0	96.0	22.1	77.9
1984 .....	66.4	33.6	W	W	16.1	83.9
1985 .....	75.9	24.1	W	W	17.8	82.2
<b>PAD District V Average</b>						
1983 .....	73.8	26.2	28.1	71.9	51.4	48.6
1984 .....	65.5	34.5	27.4	72.6	46.0	54.0
1985 .....	56.8	43.2	31.0	69.0	43.9	56.1

W = Withheld to avoid disclosure of individual company data.

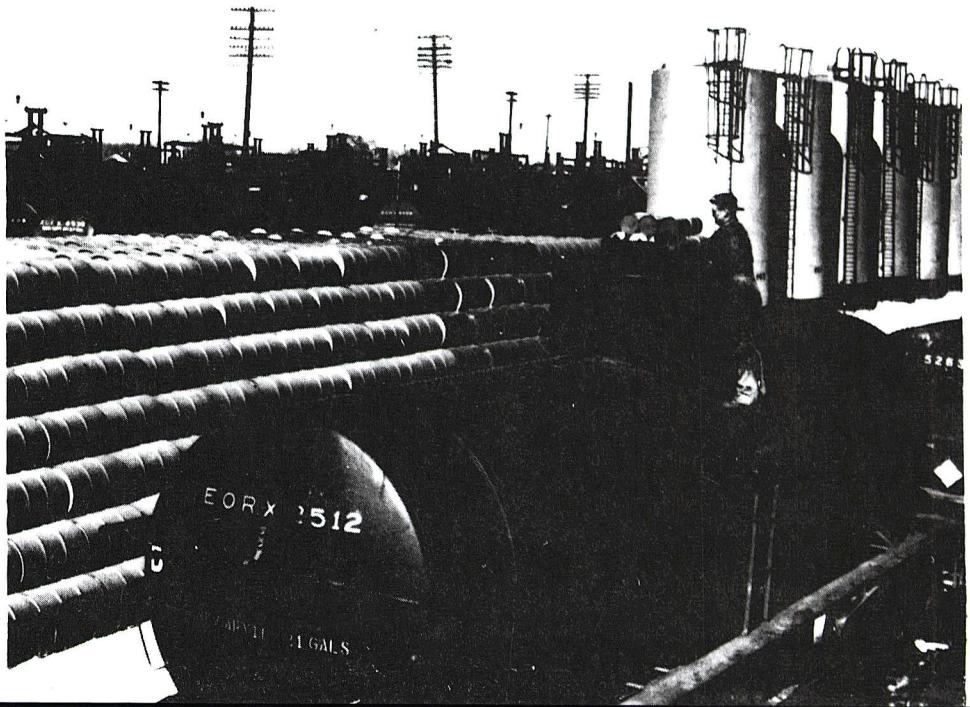
Note: Values shown represent the percentage of major refiners (100 percent) or other refiners and gas plant operators (100 percent) sales by type of sale. The sum of sales to end-users and sales for resale is 100 percent for each type of seller.

Note: Totals may not equal the sum of components due to rounding.

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

# **First Sales of Petroleum Products for Consumption**

Railroad cars at Oklahoma refinery  
will deliver various petroleum  
products to distribution centers.





**Table 45. Volumes of First Sales of Finished Motor Gasoline  
into States for Consumption by Grade, PAD District,  
and State, 1983 - 1985**  
(Thousand Gallons)

Geographic Area Year	Leaded Regular	Unleaded Regular	Premium	Total
<b>U.S. Total</b>				
1983 .....	48,021,832	44,297,268	12,481,988	104,801,088
1984 .....	43,994,689	47,909,598	15,275,874	107,179,961
1985 .....	41,070,966	54,304,584	17,638,389	113,013,940
<b>PAD District I Total</b>				
1983 .....	14,604,312	15,067,607	5,855,485	35,527,404
1984 .....	12,892,250	16,124,075	6,893,517	35,909,842
1985 .....	11,692,767	18,003,375	8,283,602	37,979,744
<b>Subdistrict IA Total</b>				
1983 .....	1,706,894	2,088,675	828,411	4,623,980
1984 .....	1,503,436	2,376,958	957,371	4,837,765
1985 .....	1,210,524	2,433,233	1,036,178	4,679,935
<b>Connecticut</b>				
1983 .....	426,933	495,543	263,611	1,186,087
1984 .....	413,571	604,392	306,249	1,324,212
1985 .....	304,289	588,367	325,609	1,218,265
<b>Maine</b>				
1983 .....	257,535	264,076	36,972	558,583
1984 .....	216,829	275,135	52,785	544,729
1985 .....	185,404	281,978	57,305	524,687
<b>Massachusetts</b>				
1983 .....	740,218	991,541	401,284	2,133,043
1984 .....	623,128	1,108,504	450,323	2,181,955
1985 .....	514,652	1,177,120	491,271	2,183,043
<b>New Hampshire</b>				
1983 .....	77,121	110,400	30,769	218,280
1984 .....	68,850	123,112	41,398	233,358
1985 .....	61,031	131,525	49,301	241,657
<b>Rhode Island</b>				
1983 .....	159,878	172,001	83,764	415,643
1984 .....	143,227	209,221	89,949	442,397
1985 .....	114,183	201,518	95,432	411,133
<b>Vermont</b>				
1983 .....	45,209	55,114	12,011	112,334
1984 .....	37,831	56,594	16,689	111,114
1985 .....	30,965	52,725	17,260	100,950
<b>Subdistrict IB Total</b>				
1983 .....	6,031,102	6,953,146	2,869,628	15,853,876
1984 .....	5,243,395	7,348,286	3,185,273	15,758,954
1985 .....	4,981,944	8,519,072	3,849,343	17,350,359
<b>Delaware</b>				
1983 .....	146,865	145,071	61,211	353,147
1984 .....	65,631	160,371	63,539	289,541
1985 .....	53,888	206,128	101,937	361,951
<b>District of Columbia</b>				
1983 .....	36,250	54,068	63,636	153,954
1984 .....	29,081	54,235	71,124	154,440
1985 .....	22,230	54,979	72,729	149,938

See footnotes at end of table.

**Table 45. Volumes of First Sales of Finished Motor Gasoline  
Into States for Consumption by Grade, PAD District,  
and State, 1983 - 1985—Continued**  
(Thousand Gallons)

Geographic Area Year	Leaded Regular	Unleaded Regular	Premium	Total
<b>Maryland</b>				
1983 .....	627,113	790,627	369,792	1,787,532
1984 .....	521,555	827,248	436,959	1,785,762
1985 .....	456,867	892,114	490,093	1,839,074
<b>New Jersey</b>				
1983 .....	1,560,999	1,798,583	902,786	4,262,368
1984 .....	1,375,401	1,961,806	1,012,476	4,349,683
1985 .....	1,164,347	2,353,228	1,329,184	4,846,759
<b>New York</b>				
1983 .....	1,618,472	2,008,547	829,552	4,456,571
1984 .....	1,544,382	2,213,382	860,887	4,618,651
1985 .....	1,837,144	2,786,375	1,074,298	5,697,817
<b>Pennsylvania</b>				
1983 .....	2,041,403	2,158,250	642,651	4,840,304
1984 .....	1,707,345	2,131,244	720,288	4,558,877
1985 .....	1,447,471	2,226,248	781,102	4,454,821
<b>Subdistrict IC Total</b>				
1983 .....	6,866,316	6,025,786	2,157,446	15,049,548
1984 .....	6,145,419	6,398,831	2,770,873	15,315,123
1985 .....	5,500,299	7,051,070	3,398,081	15,949,450
<b>Florida</b>				
1983 .....	2,118,765	2,058,716	806,962	4,984,443
1984 .....	1,843,364	2,118,327	1,031,270	4,992,961
1985 .....	1,652,037	2,343,276	1,270,727	5,266,040
<b>Georgia</b>				
1983 .....	1,248,782	1,074,456	416,481	2,739,719
1984 .....	1,133,475	1,147,191	537,229	2,817,895
1985 .....	1,030,926	1,290,148	627,661	2,948,735
<b>North Carolina</b>				
1983 .....	1,483,558	1,072,059	334,920	2,890,537
1984 .....	1,343,971	1,181,088	433,668	2,958,727
1985 .....	1,202,399	1,285,618	530,502	3,018,519
<b>South Carolina</b>				
1983 .....	743,193	569,808	152,238	1,465,239
1984 .....	872,876	610,253	202,424	1,485,553
1985 .....	585,671	657,412	247,521	1,490,604
<b>Virginia</b>				
1983 .....	1,009,197	1,028,318	358,211	2,395,726
1984 .....	895,139	1,096,398	462,713	2,454,250
1985 .....	817,389	1,227,068	613,783	2,658,240
<b>West Virginia</b>				
1983 .....	262,821	222,429	88,634	573,884
1984 .....	256,584	245,574	103,569	605,737
1985 .....	211,877	247,548	107,887	567,312
<b>PAD District II Total</b>				
1983 .....	15,808,939	13,549,268	2,367,481	31,725,688
1984 .....	W	14,858,960	W	32,906,261
1985 .....	13,275,794	16,531,137	3,730,789	33,537,720

See footnotes at end of table.

**Table 45. Volumes of First Sales of Finished Motor Gasoline  
Into States for Consumption by Grade, PAD District,  
and State, 1983 - 1985—Continued**  
(Thousand Gallons)

Geographic Area Year	Leaded Regular	Unleaded Regular	Premium	Total
<b>Illinois</b>				
1983 .....	1,847,257	1,943,208	449,524	4,039,980
1984 .....	1,500,296	2,081,136	590,293	4,171,725
1985 .....	1,226,571	2,208,111	588,520	4,023,202
<b>Indiana</b>				
1983 .....	1,153,425	974,390	218,501	2,346,316
1984 .....	1,057,251	1,072,006	264,795	2,394,052
1985 .....	1,020,318	1,233,188	264,155	2,517,681
<b>Iowa</b>				
1983 .....	W	530,747	W	1,317,484
1984 .....	685,720	606,082	129,415	1,421,217
1985 .....	647,212	668,729	125,288	1,441,227
<b>Kansas</b>				
1983 .....	1,149,399	710,795	48,561	1,908,755
1984 .....	1,156,578	832,486	161,054	2,150,118
1985 .....	1,146,936	971,911	170,181	2,289,028
<b>Kentucky</b>				
1983 .....	854,844	528,959	262,874	1,646,677
1984 .....	707,938	489,248	398,666	1,595,852
1985 .....	632,783	563,301	436,023	1,632,107
<b>Michigan</b>				
1983 .....	1,741,540	1,931,907	216,755	3,890,202
1984 .....	1,446,466	2,100,022	407,797	3,954,285
1985 .....	1,287,798	2,353,385	424,660	4,065,843
<b>Minnesota</b>				
1983 .....	1,244,075	1,071,355	61,812	2,377,242
1984 .....	1,151,695	1,174,074	80,876	2,406,645
1985 .....	985,006	1,296,630	144,361	2,425,997
<b>Missouri</b>				
1983 .....	1,185,074	895,224	128,809	2,209,107
1984 .....	1,129,049	1,011,249	193,205	2,333,503
1985 .....	1,053,348	1,144,497	192,409	2,390,254
<b>Nebraska</b>				
1983 .....	429,002	281,156	28,925	739,083
1984 .....	389,198	296,435	45,150	730,783
1985 .....	340,642	315,051	46,499	702,192
<b>North Dakota</b>				
1983 .....	255,577	149,523	5,009	410,109
1984 .....	256,352	162,626	5,959	424,937
1985 .....	W	165,228	W	393,250
<b>Ohio</b>				
1983 .....	1,917,357	1,962,028	398,720	4,278,105
1984 .....	1,786,226	2,154,191	557,229	4,497,646
1985 .....	1,574,192	2,373,933	650,812	4,598,937
<b>Oklahoma</b>				
1983 .....	998,716	717,624	85,666	1,802,006
1984 .....	972,790	785,612	64,315	1,822,717
1985 .....	950,276	934,532	81,200	1,975,008

See footnotes at end of table.

**Table 45. Volumes of First Sales of Finished Motor Gasoline  
into States for Consumption by Grade, PAD District,  
and State, 1983 - 1985—Continued**  
(Thousand Gallons)

Geographic Area Year	Leaded Regular	Unleaded Regular	Premium	Total
<b>South Dakota</b>				
1983 .....	W	115,286	W	378,763
1984 .....	W	129,399	W	381,163
1985 .....	W	142,745	W	379,328
<b>Tennessee</b>				
1983 .....	1,331,103	855,689	306,228	2,493,020
1984 .....	1,276,479	951,328	395,376	2,623,183
1985 .....	1,165,489	1,049,776	459,072	2,674,337
<b>Wisconsin</b>				
1983 .....	949,425	881,378	58,048	1,888,849
1984 .....	894,481	1,013,066	90,888	1,988,435
1985 .....	796,856	1,110,120	122,373	2,029,349
<b>PAD District III Total</b>				
1983 .....	8,578,249	7,013,457	1,820,819	17,412,525
1984 .....	7,861,924	7,433,785	2,221,131	17,516,840
1985 .....	7,845,627	8,869,869	2,619,909	19,335,405
<b>Alabama</b>				
1983 .....	926,652	573,152	195,732	1,695,536
1984 .....	850,043	628,849	249,624	1,728,516
1985 .....	735,374	689,337	305,831	1,730,542
<b>Arkansas</b>				
1983 .....	631,280	377,297	91,504	1,100,081
1984 .....	610,341	414,980	106,659	1,131,980
1985 .....	534,645	448,560	120,854	1,104,059
<b>Louisiana</b>				
1983 .....	915,258	854,532	383,217	2,153,007
1984 .....	803,524	914,424	434,256	2,152,204
1985 .....	722,693	1,117,728	491,112	2,331,533
<b>Mississippi</b>				
1983 .....	692,489	425,815	122,377	1,240,681
1984 .....	637,238	463,941	148,065	1,249,244
1985 .....	595,336	524,135	181,183	1,300,654
<b>New Mexico</b>				
1983 .....	438,952	343,181	14,759	798,892
1984 .....	407,846	371,332	24,940	804,116
1985 .....	370,877	388,982	26,040	788,899
<b>Texas</b>				
1983 .....	4,973,618	4,439,480	1,013,230	10,426,328
1984 .....	4,552,932	4,840,259	1,257,587	10,450,778
1985 .....	4,886,702	5,700,127	1,494,889	12,081,718
<b>PAD District IV Total</b>				
1983 .....	W	1,291,298	W	3,347,171
1984 .....	W	1,424,282	W	3,484,348
1985 .....	1,834,956	1,651,467	228,912	3,715,335
<b>Colorado</b>				
1983 .....	762,335	611,816	38,173	1,412,324
1984 .....	746,915	700,595	116,575	1,564,085
1985 .....	702,810	793,265	181,892	1,677,767

See footnotes at end of table.

**Table 45. Volumes of First Sales of Finished Motor Gasoline  
Into States for Consumption by Grade, PAD District,  
and State, 1983 - 1985—Continued**  
(Thousand Gallons)

Geographic Area Year	Leaded Regular	Unleaded Regular	Premium	Total
<b>Idaho</b>				
1983 .....	311,704	125,644	5,152	442,500
1984 .....	273,719	132,069	5,650	411,438
1985 .....	249,320	148,090	6,360	403,770
<b>Montana</b>				
1983 .....	W	171,615	W	490,849
1984 .....	333,420	166,929	4,795	505,144
1985 .....	315,191	187,320	5,979	508,490
<b>Utah</b>				
1983 .....	410,249	273,688	14,961	698,898
1984 .....	379,737	309,313	20,748	703,798
1985 .....	395,410	394,799	29,527	619,736
<b>Wyoming</b>				
1983 .....	188,932	108,535	5,133	302,600
1984 .....	179,293	115,376	5,212	299,881
1985 .....	172,225	127,993	5,354	305,572
<b>PAD District V Total</b>				
1983 .....	W	7,375,638	W	16,788,300
1984 .....	6,882,188	8,068,496	2,811,988	17,382,673
1985 .....	6,421,822	9,248,736	2,775,177	18,445,735
<b>Alaska</b>				
1983 .....	205,096	141,849	8,045	355,990
1984 .....	199,496	165,815	9,234	368,545
1985 .....	175,519	191,590	15,184	382,293
<b>Arizona</b>				
1983 .....	686,672	577,371	81,231	1,345,274
1984 .....	662,913	637,858	106,058	1,406,830
1985 .....	680,798	740,867	118,587	1,540,032
<b>California</b>				
1983 .....	4,072,180	5,177,234	1,858,247	11,107,671
1984 .....	3,874,926	5,603,238	2,066,625	11,544,789
1985 .....	3,718,639	6,482,793	2,201,602	12,403,034
<b>Hawaii</b>				
1983 .....	59,621	153,526	102,849	315,996
1984 .....	54,353	192,349	94,378	341,080
1985 .....	50,345	202,414	88,648	341,407
<b>Nevada</b>				
1983 .....	187,019	187,452	38,893	413,364
1984 .....	199,640	215,004	42,639	457,283
1985 .....	218,221	265,356	50,017	533,594
<b>Oregon</b>				
1983 .....	705,790	443,741	88,838	1,238,469
1984 .....	702,234	503,512	93,572	1,298,318
1985 .....	626,147	536,032	95,363	1,257,542
<b>Washington</b>				
1983 .....	1,125,265	694,465	191,806	2,011,536
1984 .....	994,626	750,720	198,482	1,944,828
1985 .....	952,153	829,884	205,796	1,987,833

W = Withheld to avoid disclosure of individual company data.

Note: Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

**Table 46. Volumes of First Sales of Distillate Fuel Oil and Kerosene Into States for Consumption by PAD District and State, 1983 - 1985**  
 (Thousand Gallons)

Geographic Area Year	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>U.S. Total</b>							
1983 .....	1,042,721	925,236	18,569,279	22,577,238	41,146,517	784,136	43,898,610
1984 .....	1,242,276	1,097,250	21,035,445	24,301,318	45,336,763	778,073	48,452,362
1985 .....	1,114,423	1,213,449	21,289,680	24,432,315	45,721,995	681,572	48,731,439
<b>PAD District I Total</b>							
1983 .....	745,181	117,415	10,730,192	4,420,334	15,150,526	634,517	16,647,639
1984 .....	769,438	125,408	11,758,911	4,782,905	16,541,816	563,018	17,999,680
1985 .....	698,804	142,566	11,605,202	4,928,137	16,533,340	507,336	17,882,045
<b>Subdistrict IA Total</b>							
1983 .....	86,582	22,585	2,668,328	365,009	3,033,337	136,984	3,279,488
1984 .....	97,317	20,417	2,555,992	418,850	2,974,842	135,873	3,228,449
1985 .....	70,793	26,449	2,207,724	425,219	2,632,943	126,813	2,856,998
<b>Connecticut</b>							
1983 .....	17,217	1,417	486,073	56,820	542,893	33,910	595,437
1984 .....	17,455	1,286	532,240	67,969	600,209	41,884	660,834
1985 .....	11,200	3,709	407,779	74,589	482,368	31,486	528,763
<b>Maine</b>							
1983 .....	25,579	9,984	303,942	67,830	371,772	5,382	412,717
1984 .....	23,904	W	286,155	82,194	368,349	W	405,328
1985 .....	16,774	8,577	202,516	77,260	279,776	5,282	310,409
<b>Massachusetts</b>							
1983 .....	23,003	6,187	1,344,427	142,521	1,486,948	61,609	1,577,747
1984 .....	35,163	5,770	1,199,966	165,276	1,365,242	60,099	1,466,274
1985 .....	22,905	W	1,115,938	169,250	1,285,188	W	1,379,898
<b>New Hampshire</b>							
1983 .....	10,118	2,329	179,504	48,718	228,222	19,151	259,820
1984 .....	8,873	W	183,542	49,141	232,683	W	259,469
1985 .....	9,615	2,534	151,026	55,910	206,936	13,340	232,425
<b>Rhode Island</b>							
1983 .....	6,583	1,459	291,338	35,874	327,212	12,835	348,089
1984 .....	7,717	1,409	297,724	42,043	339,767	10,746	359,639
1985 .....	4,777	1,685	256,421	34,652	291,073	10,182	307,717
<b>Vermont</b>							
1983 .....	4,082	1,209	63,044	13,246	76,290	4,097	85,678
1984 .....	4,205	W	56,365	12,227	68,582	W	76,805
1985 .....	5,522	W	74,044	13,558	87,602	W	97,786
<b>Subdistrict IB Total</b>							
1983 .....	374,123	38,834	8,233,437	1,445,254	7,678,691	471,560	8,563,208
1984 .....	407,803	42,685	7,294,114	1,468,548	8,782,862	406,246	9,619,396
1985 .....	360,808	63,031	7,518,020	1,592,890	9,110,910	339,907	9,874,654
<b>Delaware</b>							
1983 .....	W	67	263,619	46,798	310,417	W	344,752
1984 .....	12,504	W	314,391	49,892	364,383	W	377,125
1985 .....	17,112	W	177,168	53,403	230,571	W	247,899
<b>District of Columbia</b>							
1983 .....	1,294	W	68,653	8,132	76,785	W	116,784
1984 .....	2,071	W	90,484	11,089	101,583	W	138,782
1985 .....	2,257	W	86,441	11,815	98,256	W	127,159

See footnotes at end of table.

**Table 46. Volumes of First Sales of Distillate Fuel Oil and Kerosene  
Into States for Consumption by PAD District and State,  
1983 - 1985 —Continued**  
(Thousand Gallons)

Geographic Area Year	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>Maryland</b>							
1983 .....	W	1,513	527,581	169,263	696,844	W	754,481
1984 .....	33,640	W	492,767	191,907	684,674	W	729,922
1985 .....	32,529	2,367	458,238	210,378	668,616	6,383	709,895
<b>New Jersey</b>							
1983 .....	66,379	7,336	2,100,016	334,270	2,434,286	156,976	2,668,977
1984 .....	91,600	6,639	2,716,838	358,443	3,073,281	129,281	3,300,801
1985 .....	70,230	8,705	2,796,927	400,362	3,197,289	96,119	3,372,343
<b>New York</b>							
1983 .....	90,707	18,848	1,880,342	268,102	2,148,444	233,059	2,489,058
1984 .....	116,824	18,633	2,180,000	248,522	2,428,522	215,208	2,779,187
1985 .....	108,205	29,953	2,551,015	277,116	2,828,131	200,474	3,166,762
<b>Pennsylvania</b>							
1983 .....	147,642	W	1,393,226	620,689	2,013,915	W	2,191,178
1984 .....	151,164	W	1,499,634	610,585	2,110,219	W	2,293,579
1985 .....	130,473	W	1,448,231	639,817	2,088,048	W	2,250,598
<b>Subdistrict IC Total</b>							
1983 .....	284,476	55,996	1,828,427	2,610,071	4,438,498	25,973	4,804,943
1984 .....	284,318	62,306	1,908,805	2,895,507	4,804,312	20,899	5,151,835
1985 .....	267,205	53,085	1,879,458	2,910,028	4,789,486	40,816	5,150,393
<b>Florida</b>							
1983 .....	21,407	15,890	265,602	896,364	1,161,968	5,395	1,204,658
1984 .....	18,926	18,573	257,024	991,726	1,248,750	6,518	1,292,767
1985 .....	16,132	W	266,910	954,744	1,221,654	W	1,261,379
<b>Georgia</b>							
1983 .....	11,874	W	188,948	578,870	767,827	W	786,481
1984 .....	11,041	W	198,782	631,052	829,834	W	847,334
1985 .....	16,053	2,818	215,392	619,931	835,323	3,100	857,294
<b>North Carolina</b>							
1983 .....	124,754	W	517,252	398,997	916,249	W	1,053,649
1984 .....	111,188	11,731	563,734	447,122	1,010,856	2,869	1,136,644
1985 .....	112,376	10,666	554,127	468,958	1,023,085	2,990	1,149,117
<b>South Carolina</b>							
1983 .....	44,985	5,173	192,817	200,204	393,021	777	443,968
1984 .....	40,526	6,283	202,074	225,094	427,188	985	474,962
1985 .....	41,921	4,438	191,848	245,369	437,218	1,158	484,735
<b>Virginia</b>							
1983 .....	68,582	18,803	574,456	376,976	951,432	14,478	1,053,095
1984 .....	68,095	20,133	588,263	425,517	1,013,780	7,821	1,109,829
1985 .....	65,838	W	572,135	465,580	1,037,715	W	1,145,794
<b>West Virginia</b>							
1983 .....	12,864	W	89,352	158,651	248,003	W	263,094
1984 .....	14,542	W	98,927	174,996	273,923	W	290,298
1985 .....	14,885	2,697	79,048	155,446	234,492	-	252,074
<b>PAD District II Total</b>							
1983 .....	195,035	579,839	5,399,982	5,693,312	11,093,294	31,483	11,899,851
1984 .....	226,277	715,868	6,057,150	6,224,383	12,281,513	30,538	13,254,195
1985 .....	248,125	803,223	6,330,550	5,969,744	12,300,294	21,198	13,372,840

See footnotes at end of table.

**Table 46. Volumes of First Sales of Distillate Fuel Oil and Kerosene  
into States for Consumption by PAD District and State,  
1983 - 1985 —Continued**  
(Thousand Gallons)

Geographic Area Year	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>Illinois</b>							
1983 .....	7,958	56,335	558,442	550,418	1,108,860	8,316	1,181,469
1984 .....	16,712	W	563,154	546,070	1,109,224	W	1,194,229
1985 .....	14,645	W	591,079	476,706	1,067,785	W	1,146,027
<b>Indiana</b>							
1983 .....	19,642	44,996	612,496	449,690	1,062,186	883	1,127,707
1984 .....	20,861	50,801	634,705	485,882	1,120,587	1,079	1,193,328
1985 .....	27,222	W	626,634	510,843	1,137,477	W	1,227,217
<b>Iowa</b>							
1983 .....	W	48,167	338,589	238,779	577,368	W	630,601
1984 .....	W	W	373,212	274,561	647,773	-	699,044
1985 .....	W	W	350,619	262,763	613,382	-	679,868
<b>Kansas</b>							
1983 .....	W	51,987	400,292	489,131	889,423	W	944,158
1984 .....	W	92,583	537,577	575,145	1,112,722	W	1,208,064
1985 .....	W	105,678	578,239	554,482	1,132,721	W	1,241,547
<b>Kentucky</b>							
1983 .....	17,927	20,321	199,357	474,039	673,396	1,725	713,369
1984 .....	20,774	W	215,707	502,816	718,523	W	760,048
1985 .....	26,460	W	233,425	500,660	734,085	W	784,279
<b>Michigan</b>							
1983 .....	15,298	46,618	568,010	288,717	836,727	739	899,382
1984 .....	16,776	91,067	592,227	312,221	904,448	1,727	1,014,018
1985 .....	W	95,471	617,457	292,938	910,395	W	1,027,720
<b>Minnesota</b>							
1983 .....	W	84,176	611,732	239,654	851,386	W	960,295
1984 .....	W	99,059	677,439	237,421	914,860	W	1,037,717
1985 .....	14,863	W	676,194	237,368	913,562	W	1,033,511
<b>Missouri</b>							
1983 .....	W	23,362	264,437	401,539	665,976	W	693,127
1984 .....	W	25,699	337,258	353,107	690,365	W	719,881
1985 .....	4,305	W	324,374	329,316	653,690	W	692,416
<b>Nebraska</b>							
1983 .....	1,222	30,530	192,179	212,931	405,110	-	438,862
1984 .....	W	31,508	183,041	252,527	445,568	W	478,050
1985 .....	W	35,629	183,874	248,852	432,726	W	470,620
<b>North Dakota</b>							
1983 .....	232	31,380	189,289	124,942	314,231	W	345,985
1984 .....	W	31,953	174,881	147,084	321,965	W	354,121
1985 .....	W	35,462	173,966	133,941	307,907	W	343,722
<b>Ohio</b>							
1983 .....	65,422	33,133	484,614	685,659	1,180,273	960	1,279,788
1984 .....	79,735	41,048	627,095	874,476	1,501,571	1,642	1,623,996
1985 .....	82,761	46,542	701,607	824,022	1,525,629	748	1,655,680
<b>Oklahoma</b>							
1983 .....	4,709	W	216,514	508,711	726,225	W	743,870
1984 .....	W	18,367	242,713	515,264	757,977	W	785,670
1985 .....	W	20,374	372,875	467,586	840,461	W	867,668

See footnotes at end of table.

**Table 46. Volumes of First Sales of Distillate Fuel Oil and Kerosene  
Into States for Consumption by PAD District and State,  
1983 - 1985 —Continued**  
(Thousand Gallons)

Geographic Area Year	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>South Dakota</b>							
1983 .....	894	W	122,736	79,094	201,830	W	228,565
1984 .....	W	29,337	136,915	75,940	212,855	W	242,646
1985 .....	517	34,301	116,343	84,922	201,265	-	236,083
<b>Tennessee</b>							
1983 .....	29,470	W	139,379	786,977	926,356	W	969,413
1984 .....	30,341	W	235,997	850,288	1,086,286	W	1,131,629
1985 .....	32,036	15,169	241,006	817,026	1,058,032	283	1,105,520
<b>Wisconsin</b>							
1983 .....	8,091	61,043	491,916	182,031	673,947	1,979	745,060
1984 .....	8,253	66,251	515,229	221,561	736,790	462	811,756
1985 .....	W	80,101	542,858	228,319	771,177	W	860,962
<b>PAD District III Total</b>							
1983 .....	73,406	23,550	1,574,843	6,357,145	7,931,988	84,392	8,093,336
1984 .....	87,520	W	2,240,400	6,707,377	8,847,777	W	9,135,377
1985 .....	113,851	29,611	2,589,726	6,825,359	9,415,085	91,840	9,650,388
<b>Alabama</b>							
1983 .....	7,991	1,377	95,378	494,550	589,928	2,082	601,378
1984 .....	8,217	1,194	135,677	506,724	642,401	920	652,732
1985 .....	10,141	W	204,128	471,638	675,766	W	688,536
<b>Arkansas</b>							
1983 .....	2,599	W	45,418	435,737	481,155	W	490,975
1984 .....	2,617	277	55,544	474,451	529,995	-	532,889
1985 .....	2,712	532	46,477	433,090	479,567	-	482,811
<b>Louisiana</b>							
1983 .....	8,229	1,554	177,204	1,077,015	1,254,219	1,628	1,265,630
1984 .....	14,747	1,733	264,518	1,131,118	1,395,636	3,224	1,415,340
1985 .....	15,124	1,080	402,386	1,251,276	1,653,662	-	1,669,866
<b>Mississippi</b>							
1983 .....	27,130	W	56,098	426,668	482,766	W	541,835
1984 .....	20,628	W	98,287	479,839	578,226	W	645,995
1985 .....	W	1,400	272,565	490,141	762,706	W	890,427
<b>New Mexico</b>							
1983 .....	3,311	W	17,069	295,130	312,199	W	318,159
1984 .....	3,998	2,426	23,618	332,180	355,798	598	362,820
1985 .....	W	W	27,085	298,472	323,557	-	330,269
<b>Texas</b>							
1983 .....	24,146	17,496	1,183,676	3,828,045	4,811,721	21,996	4,875,359
1984 .....	37,313	18,792	1,662,756	3,782,965	5,445,721	23,775	5,525,601
1985 .....	35,623	22,009	1,637,085	3,882,742	5,519,827	11,019	5,588,478
<b>PAD District IV Total</b>							
1983 .....	8,182	94,841	W	W	1,508,561	337	1,609,921
1984 .....	4,385	W	W	W	1,556,700	W	1,686,304
1985 .....	4,331	135,961	W	W	1,538,745	188	1,678,225
<b>Colorado</b>							
1983 .....	2,861	21,903	98,629	318,503	413,132	-	437,896
1984 .....	1,677	34,905	107,021	354,919	461,940	-	498,522
1985 .....	787	38,318	97,440	335,254	432,694	-	471,799

See footnotes at end of table.

**Table 46. Volumes of First Sales of Distillate Fuel Oil and Kerosene Into States for Consumption by PAD District and State, 1983 - 1985 —Continued**  
 (Thousand Gallons)

Geographic Area Year	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>Idaho</b>							
1983 .....	W	W	61,002	148,232	209,234	-	222,290
1984 .....	1,023	13,578	67,135	135,312	202,447	-	217,048
1985 .....	1,130	14,940	52,136	143,328	195,464	-	211,534
<b>Montana</b>							
1983 .....	1,903	24,813	44,060	223,181	267,241	-	293,957
1984 .....	W	27,600	48,450	233,419	281,869	W	310,813
1985 .....	1,712	27,089	57,131	212,565	269,696	W	298,513
<b>Utah</b>							
1983 .....	359	W	66,531	228,121	294,652	W	305,293
1984 .....	W	13,422	W	W	263,660	W	277,337
1985 .....	W	16,744	60,695	239,251	299,946	W	316,943
<b>Wyoming</b>							
1983 .....	W	25,743	73,654	250,648	324,302	W	350,485
1984 .....	298	35,457	137,131	209,653	346,784	W	382,584
1985 .....	W	38,870	86,240	254,705	340,945	W	380,436
<b>PAD District V Total</b>							
1983 .....	22,917	109,591	W	W	5,462,148	53,407	5,648,063
1984 .....	NA	105,481	W	W	6,008,957	107,711	6,376,805
1985 .....	49,312	102,088	W	W	5,934,531	61,010	6,146,941
<b>Alaska</b>							
1983 .....	W	45,553	64,478	186,185	250,663	W	307,504
1984 .....	W	39,012	90,690	182,551	273,241	W	479,795
1985 .....	W	40,999	77,547	202,731	280,278	W	383,784
<b>Arizona</b>							
1983 .....	W	2,077	7,504	305,748	313,252	W	315,668
1984 .....	46	1,549	9,787	309,444	319,231	-	320,826
1985 .....	699	1,182	5,133	303,202	308,335	-	310,216
<b>California</b>							
1983 .....	6,091	26,954	129,262	3,075,598	3,204,860	20,184	3,258,089
1984 .....	3,151	27,928	161,150	3,274,856	3,436,006	56,256	3,523,341
1985 .....	W	17,572	28,431	3,310,596	3,339,027	W	3,380,499
<b>Hawaii</b>							
1983 .....	W	W	W	W	82,954	W	85,679
1984 .....	-	W	W	W	115,765	W	119,017
1985 .....	-	W	W	W	107,613	W	109,943
<b>Nevada</b>							
1983 .....	W	W	9,152	168,804	177,956	W	180,484
1984 .....	W	W	9,384	211,796	221,180	-	224,928
1985 .....	W	W	8,870	222,287	231,157	-	235,401
<b>Oregon</b>							
1983 .....	W	9,087	97,967	463,202	561,169	W	580,674
1984 .....	8,279	10,923	86,843	583,232	670,075	-	689,277
1985 .....	W	W	88,745	559,167	647,912	-	667,050
<b>Washington</b>							
1983 .....	5,869	22,223	212,144	659,150	871,294	20,489	919,875
1984 .....	W	20,830	187,624	785,835	973,459	W	1,019,622
1985 .....	W	24,886	200,584	819,625	1,020,209	W	1,060,048

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Note: Totals may not equal the sum of components due to rounding.

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

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

**Table 47. Volumes of First Sales of Aviation Fuels, Residual Fuel Oil, and Propane into States for Consumption by PAD District and State, 1983 - 1985**  
 (Thousand Gallons)

Geographic Area Year	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Residual Fuel Oil			Propane (Consumer Grade)
				Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual	
<b>U.S. Total</b>							
1983 .....	382,152	12,561,399	2,959,200	9,121,216	12,305,443	21,426,659	11,171,851
1984 .....	380,817	14,342,529	3,186,557	8,838,719	11,492,894	20,331,713	11,741,193
1985 .....	376,479	15,557,802	3,035,548	7,364,332	9,878,243	17,242,575	12,552,341
<b>PAD District I Total</b>							
1983 .....	100,236	4,129,607	253,540	6,448,180	6,555,154	13,003,334	1,865,480
1984 .....	98,360	4,478,126	W	6,603,495	5,892,573	12,496,068	1,864,578
1985 .....	97,758	4,699,789	W	5,380,261	4,506,841	9,887,101	2,015,387
<b>Subdistrict IA Total</b>							
1983 .....	14,205	W	W	W	1,763,564	W	189,964
1984 .....	W	360,077	W	W	W	3,884,676	W
1985 .....	12,390	372,022	W	1,420,370	1,368,904	2,789,274	270,570
<b>Connecticut</b>							
1983 .....	2,938	31,744	W	1,075,033	39,631	1,114,684	45,281
1984 .....	2,828	37,471	W	1,228,804	123,987	1,352,791	45,006
1985 .....	2,784	42,365	W	856,328	37,891	894,219	54,653
<b>Maine</b>							
1983 .....	W	16,173	W	16,698	370,831	387,529	24,610
1984 .....	W	W	W	52,957	399,223	452,180	23,583
1985 .....	W	20,878	W	60,396	309,310	369,706	29,025
<b>Massachusetts</b>							
1983 .....	6,520	242,556	W	504,305	1,203,154	1,707,459	40,284
1984 .....	6,156	269,491	W	592,424	1,213,135	1,805,559	51,399
1985 .....	5,230	282,328	W	402,501	894,001	1,296,502	90,210
<b>New Hampshire</b>							
1983 .....	W	1,466	W	W	W	116,047	48,606
1984 .....	W	10,400	W	61,922	108,919	170,841	32,544
1985 .....	W	3,016	W	37,176	101,291	138,467	57,858
<b>Rhode Island</b>							
1983 .....	W	W	-	53,092	32,170	85,262	10,649
1984 .....	W	W	W	50,443	23,028	73,471	W
1985 .....	1,194	W	W	63,659	17,495	81,154	15,191
<b>Vermont</b>							
1983 .....	988	2,364	-	W	W	13,476	20,554
1984 .....	W	4,712	-	-	9,834	9,834	32,142
1985 .....	W	W	-	310	8,916	9,226	23,633
<b>Subdistrict IB Total</b>							
1983 .....	26,822	W	234,674	W	2,388,646	W	625,155
1984 .....	25,756	2,287,310	248,267	3,779,881	2,163,266	5,943,127	W
1985 .....	26,897	2,422,483	326,268	3,283,992	W	W	695,219
<b>Delaware</b>							
1983 .....	656	W	W	110,310	19,144	129,454	34,292
1984 .....	601	W	W	W	W	155,080	23,601
1985 .....	W	W	W	37,744	40,251	77,995	64,842
<b>District of Columbia</b>							
1983 .....	-	W	-	W	-	W	-
1984 .....	-	W	-	W	-	W	-
1985 .....	-	W	-	W	-	W	-

See footnotes at end of table.

**Table 47. Volumes of First Sales of Aviation Fuels, Residual Fuel Oil, and Propane into States for Consumption by PAD District and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Residual Fuel Oil			Propane (Consumer Grade)
				Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual	
<b>Maryland</b>							
1983 .....	W	88,740	-	189,930	133,541	323,471	59,860
1984 .....	2,730	91,794	W	152,517	221,726	374,243	67,675
1985 .....	W	105,763	W	W	W	314,290	69,066
<b>New Jersey</b>							
1983 .....	6,066	1,497,038	W	988,192	477,095	1,465,287	108,436
1984 .....	6,013	1,685,199	W	1,236,285	492,928	1,729,213	111,442
1985 .....	7,088	1,807,643	W	1,096,293	448,067	1,544,360	115,789
<b>New York</b>							
1983 .....	8,684	101,571	W	1,458,998	1,373,947	2,832,945	209,625
1984 .....	8,540	91,145	W	1,494,210	1,214,025	2,708,235	209,311
1985 .....	8,698	94,196	W	1,382,461	1,009,867	2,392,328	241,618
<b>Pennsylvania</b>							
1983 .....	W	305,311	37,088	1,085,154	384,919	1,470,073	212,942
1984 .....	7,872	411,595	20,166	761,560	184,297	945,857	205,625
1985 .....	7,832	408,830	W	615,579	161,722	777,301	203,904
<b>Subdistrict IC Total</b>							
1983 .....	59,209	1,825,620	W	917,106	2,402,944	3,320,050	1,050,361
1984 .....	W	1,830,739	W	W	W	2,888,266	1,051,579
1985 .....	58,470	1,905,284	W	675,899	W	W	1,049,578
<b>Florida</b>							
1983 .....	30,436	865,389	W	865,535	1,387,522	2,253,057	304,222
1984 .....	30,800	760,808	-	750,552	945,870	1,696,422	322,115
1985 .....	32,401	734,257	-	591,107	576,450	1,167,557	319,609
<b>Georgia</b>							
1983 .....	8,711	508,923	W	1,489	182,057	183,546	232,771
1984 .....	8,991	591,222	W	1,896	141,903	143,799	214,971
1985 .....	8,018	618,381	W	W	W	97,304	215,447
<b>North Carolina</b>							
1983 .....	7,530	144,081	-	3,940	265,638	269,578	267,913
1984 .....	7,442	151,365	W	8,675	250,575	259,250	262,329
1985 .....	6,878	177,594	-	6,936	242,313	249,249	261,711
<b>South Carolina</b>							
1983 .....	5,197	15,584	-	W	W	153,186	131,922
1984 .....	5,196	17,567	-	W	W	123,439	133,056
1985 .....	5,002	25,407	-	W	W	102,133	129,306
<b>Virginia</b>							
1983 .....	5,329	284,842	-	W	W	406,196	93,220
1984 .....	5,015	303,010	W	64,363	340,828	405,191	95,572
1985 .....	4,652	342,783	W	W	W	311,809	106,166
<b>West Virginia</b>							
1983 .....	2,006	7,001	W	W	W	54,487	20,313
1984 .....	W	6,767	W	W	W	60,165	23,536
1985 .....	1,519	6,862	W	9,576	32,937	42,513	17,339
<b>PAD District II Total</b>							
1983 .....	W	1,871,797	546,045	353,007	542,505	895,512	3,913,926
1984 .....	W	2,273,411	543,023	152,336	419,482	571,818	4,480,239
1985 .....	W	2,487,576	428,732	83,864	356,451	440,315	4,607,704

See footnotes at end of table.

**Table 47. Volumes of First Sales of Aviation Fuels, Residual Fuel Oil, and Propane into States for Consumption by PAD District and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Residual Fuel Oil			Propane (Consumer Grade)
				Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual	
<b>Illinois</b>							
1983 .....	9,752	84,293	W	W	W	223,169	311,269
1984 .....	8,962	81,932	W	W	W	57,144	316,070
1985 .....	8,269	88,495	W	11,458	31,648	43,108	282,571
<b>Indiana</b>							
1983 .....	6,994	596,835	73,224	26,998	137,971	164,969	174,961
1984 .....	11,290	603,773	62,734	8,551	89,322	97,873	210,945
1985 .....	15,470	628,400	37,067	2,483	69,358	71,841	207,917
<b>Iowa</b>							
1983 .....	4,417	16,317	W	-	W	W	277,218
1984 .....	4,001	19,657	W	-	W	W	310,639
1985 .....	3,358	19,939	W	-	W	W	337,227
<b>Kansas</b>							
1983 .....	7,560	54,353	W	-	62,414	62,414	1,043,049
1984 .....	6,945	107,431	32,053	-	41,811	41,811	1,426,539
1985 .....	5,392	155,196	W	-	W	W	1,464,832
<b>Kentucky</b>							
1983 .....	3,811	119,867	W	W	W	26,599	180,018
1984 .....	3,265	120,298	W	W	W	17,211	188,277
1985 .....	2,570	128,292	W	W	W	12,192	135,725
<b>Michigan</b>							
1983 .....	7,041	100,880	63,370	50,933	30,193	81,126	293,859
1984 .....	W	173,925	63,049	34,685	35,533	70,218	352,654
1985 .....	W	207,252	38,949	39,233	35,614	74,847	366,063
<b>Minnesota</b>							
1983 .....	5,759	248,287	48,744	W	W	W	218,485
1984 .....	5,653	294,233	62,103	W	W	61,603	231,962
1985 .....	6,054	322,108	48,572	-	47,867	47,867	365,742
<b>Missouri</b>							
1983 .....	6,140	180,671	W	W	W	8,071	246,354
1984 .....	5,931	220,783	34,379	W	W	11,381	205,623
1985 .....	5,280	238,724	30,849	W	W	2,681	216,937
<b>Nebraska</b>							
1983 .....	W	22,362	W	W	W	W	140,056
1984 .....	W	23,169	-	-	-	-	148,389
1985 .....	3,786	21,241	W	-	W	W	142,363
<b>North Dakota</b>							
1983 .....	1,446	8,242	W	W	W	W	114,324
1984 .....	1,400	7,477	26,103	W	W	14,140	125,628
1985 .....	1,318	7,754	29,077	W	W	W	167,909
<b>Ohio</b>							
1983 .....	7,547	91,146	W	W	W	117,235	165,595
1984 .....	14,335	245,177	50,343	W	W	99,170	200,424
1985 .....	12,776	271,121	W	22,395	66,641	89,036	184,006
<b>Oklahoma</b>							
1983 .....	7,583	183,858	140,261	W	W	W	380,443
1984 .....	8,427	180,596	98,263	39,843	28,257	68,100	382,824
1985 .....	8,487	141,770	57,762	W	W	29,434	322,597

See footnotes at end of table.

**Table 47. Volumes of First Sales of Aviation Fuels, Residual Fuel Oil, and Propane into States for Consumption by PAD District and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Residual Fuel Oil			Propane (Consumer Grade)
				Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual	
<b>South Dakota</b>							
1983 .....	W	5,481	W	W	W	342	60,645
1984 .....	3,827	5,276	W	W	W	768	63,875
1985 .....	3,413	6,645	46,252	W	W	368	67,374
<b>Tennessee</b>							
1983 .....	7,233	102,206	W	W	29,009	29,507	83,498
1984 .....	7,233	135,223	W	W	W	25,635	84,250
1985 .....	6,042	191,776	W	W	W	23,429	94,256
<b>Wisconsin</b>							
1983 .....	W	56,999	—	458	W	14,404	224,152
1984 .....	4,320	54,461	W	1,387	4,605	5,992	234,341
1985 .....	3,932	58,863	—	W	W	3,555	242,185
<b>PAD District III Total</b>							
1983 .....	73,250	2,740,125	1,300,575	1,174,081	2,337,923	3,512,004	4,493,206
1984 .....	71,440	W	1,363,275	941,288	2,507,895	3,449,183	4,419,133
1985 .....	76,369	3,671,650	1,267,660	W	2,314,183	W	4,678,456
<b>Alabama</b>							
1983 .....	5,570	57,279	26,375	8,441	109,550	117,991	162,837
1984 .....	6,258	119,097	W	W	W	91,706	150,467
1985 .....	5,224	117,144	W	5,528	79,489	85,017	148,724
<b>Arkansas</b>							
1983 .....	6,270	25,606	W	W	W	42,062	137,467
1984 .....	5,031	20,091	32,968	—	28,084	28,084	138,485
1985 .....	3,519	22,261	31,402	—	W	W	138,685
<b>Louisiana</b>							
1983 .....	8,809	420,807	160,594	587,899	660,413	1,248,312	468,745
1984 .....	8,150	434,888	W	412,085	729,363	1,141,448	470,666
1985 .....	6,579	460,057	232,158	342,766	836,952	1,179,718	523,058
<b>Mississippi</b>							
1983 .....	4,573	59,139	77,268	W	W	139,039	333,144
1984 .....	5,429	W	77,189	W	W	23,837	270,285
1985 .....	4,239	124,899	77,170	W	W	8,077	310,432
<b>New Mexico</b>							
1983 .....	4,213	32,804	W	W	W	36,390	208,733
1984 .....	3,631	41,168	W	15,587	W	29,359	224,216
1985 .....	3,282	38,280	21,600	W	W	23,507	281,726
<b>Texas</b>							
1983 .....	43,815	2,144,490	972,805	477,738	1,450,472	1,928,210	3,182,280
1984 .....	42,941	2,384,245	990,435	507,592	1,627,067	2,134,659	3,165,014
1985 .....	53,526	2,909,010	887,628	398,640	1,360,660	1,757,300	3,275,831
<b>PAD District IV Total</b>							
1983 .....	20,190	380,609	109,622	54,768	W	97,228	353,283
1984 .....	18,773	W	W	69,421	37,778	107,199	356,853
1985 .....	17,291	476,125	W	W	48,469	W	W
<b>Colorado</b>							
1983 .....	7,223	254,160	W	W	W	15,271	126,581
1984 .....	6,415	335,326	W	W	W	W	105,696
1985 .....	5,519	318,493	W	W	W	W	131,044

See footnotes at end of table.

**Table 47. Volumes of First Sales of Aviation Fuels, Residual Fuel Oil, and Propane Into States for Consumption by PAD District and State, 1983 - 1985—Continued**  
 (Thousand Gallons)

Geographic Area Year	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Residual Fuel Oil			Propane (Consumer Grade)
				Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual	
<b>Idaho</b>							
1983 .....	W	8,956	34,966	W	W	2,193	18,643
1984 .....	2,392	11,023	40,428	-	W	W	22,363
1985 .....	2,632	11,607	30,468	-	W	W	25,243
<b>Montana</b>							
1983 .....	W	19,038	W	W	W	27,084	50,930
1984 .....	3,841	W	8,680	W	W	26,572	49,840
1985 .....	W	22,847	W	W	W	18,853	64,154
<b>Utah</b>							
1983 .....	3,681	93,988	54,209	10,996	17,898	28,894	42,422
1984 .....	3,435	101,272	54,143	12,071	19,396	31,487	40,550
1985 .....	3,610	118,359	28,652	W	W	32,443	56,442
<b>Wyoming</b>							
1983 .....	2,383	4,467	W	8,523	15,263	23,786	114,707
1984 .....	2,590	W	W	W	W	14,417	138,404
1985 .....	W	4,819	W	W	W	13,265	W
<b>PAD District V Total</b>							
1983 .....	W	3,439,261	749,418	W	2,827,401	W	545,958
1984 .....	W	4,075,070	884,268	1,072,179	2,635,268	3,707,445	620,390
1985 .....	W	4,222,661	897,543	1,098,671	2,652,299	3,750,970	W
<b>Alaska</b>							
1983 .....	17,866	418,978	21,852	W	-	W	W
1984 .....	17,617	546,120	127,794	W	W	W	W
1985 .....	18,191	566,612	W	W	W	W	W
<b>Arizona</b>							
1983 .....	8,622	W	W	W	NA	W	W
1984 .....	8,305	163,779	52,868	W	W	W	19,917
1985 .....	7,472	149,583	101,355	W	W	W	39,436
<b>California</b>							
1983 .....	47,592	1,898,397	594,106	523,345	2,046,970	2,570,315	390,884
1984 .....	45,985	2,173,062	638,509	457,202	2,023,628	2,480,830	437,326
1985 .....	43,525	2,278,146	638,289	342,984	2,048,140	2,391,124	591,764
<b>Hawaii</b>							
1983 .....	W	283,963	W	W	W	431,654	W
1984 .....	W	431,416	W	W	W	502,292	W
1985 .....	W	461,539	W	W	W	486,668	W
<b>Nevada</b>							
1983 .....	4,569	162,127	W	W	W	W	17,905
1984 .....	4,380	148,432	W	W	W	W	21,936
1985 .....	4,049	141,499	W	W	-	W	32,510
<b>Oregon</b>							
1983 .....	4,958	W	-	W	W	251,590	38,161
1984 .....	5,258	71,947	-	W	W	W	48,238
1985 .....	4,794	81,365	-	W	W	110,824	54,265
<b>Washington</b>							
1983 .....	8,028	500,023	W	W	W	454,531	71,876
1984 .....	7,905	542,315	38,415	W	W	378,474	84,802
1985 .....	7,936	545,917	44,375	W	W	416,265	101,025

Dashes (-) = No data reported.

NA = Not Available.

W = Withheld to avoid disclosure of individual company data.

Note: Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."



# **Standard Errors and Survey Response Percentages**



**Delivery of home heating oil  
to a residence.**



**Table 48. Lowest and Highest Monthly Standard Errors of Sales Prices<sup>a</sup> of Finished Motor Gasoline, No. 2 Distillate, and Residual Fuel Oil by PAD District and State, 1985 (Cents Per Gallon, Excluding Taxes)**

Geographic Area	Finished Motor Gasoline				No. 2 Distillate				Residual Fuel Oil					
	End-Users		Resale		Residential Consumers <sup>b</sup>		Average End-Users		Resale		End-Users		Resale	
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
U.S. Average .....	0.1	0.3	0.1	0.3	0.5	1.5	0.3	1.1	0.1	0.5	0.2	0.7	0.1	0.6
PAD District I Average .....	.2	.4	.1	.3	.5	1.2	.4	.8	.1	1.3	.3	.9	.1	.4
Subdistrict IA Average .....	.3	.7	.1	.2	.4	.9	.5	.7	.1	.3	.1	.6	.1	.5
Connecticut .....	.3	1.9	.2	.5	.5	1.6	.7	1.2	.1	.6	.1	.3	.1	1.2
Maine .....	.4	3.3	.1	.2	.8	2.1	.7	2.1	.1	.5	.1	.7	.1	.2
Massachusetts .....	.3	.6	.1	.5	.8	1.6	.8	1.2	.1	.5	.1	.3	.1	1.0
New Hampshire .....	.5	1.9	.2	.6	1.5	4.1	1.0	1.4	.1	.1	.1	.9	.1	.1
Rhode Island .....	.1	2.3	.1	.2	.5	5.9	.5	4.0	.1	.3	.1	2.8	.1	.4
Vermont .....	.3	1.2	.1	1.0	.4	1.1	.6	2.8	.1	.4	NA	NA	NA	NA
Subdistrict IB Average .....	.3	1.0	.1	.3	.6	1.9	.6	.9	.1	2.2	.5	1.4	.1	.8
Delaware .....	.5	1.5	.1	1.0	.7	3.3	1.2	2.7	.1	.2	.1	.5	.0	.8
District of Columbia .....	.1	.5	.1	.2	.1	.5	.1	.9	.1	.2	NA	NA	NA	NA
Maryland .....	.6	1.6	.1	.2	.5	1.9	.8	3.8	.1	1.0	.3	2.8	.1	1.4
New Jersey .....	.2	.9	.1	.4	.7	1.4	.6	1.1	.1	.2	.1	.2	.1	.5
New York .....	.6	1.8	.3	.9	.7	2.3	1.0	1.8	.3	6.7	.9	2.0	.2	1.3
Pennsylvania .....	.2	1.8	.1	.3	1.0	3.9	.7	2.0	.1	.5	.2	1.3	.1	.3
Subdistrict IC Average .....	.3	.4	.2	.6	.6	1.6	.5	1.8	.1	.5	.1	.5	.1	.8
Florida .....	.2	.9	.3	1.8	NA	NA	NA	NA	NA	NA	.1	.4	.1	.3
Georgia .....	.2	.9	.3	2.5	NA	NA	NA	NA	NA	NA	.1	.3	.1	.1
North Carolina .....	.3	1.2	.2	.8	NA	NA	NA	NA	NA	NA	.1	1.7	.1	.9
South Carolina .....	.4	1.1	.4	1.0	NA	NA	NA	NA	NA	NA	.1	1.4	.1	.1
Virginia .....	.4	1.1	.1	.5	.7	2.2	.4	1.4	.1	.4	.1	.5	.1	1.6
West Virginia .....	.2	3.0	.2	.7	.9	1.8	.5	1.0	.1	1.0	NA	NA	NA	NA
PAD District II Average .....	.2	.5	.1	.4	.4	4.7	.3	1.4	.1	.5	.1	.6	.1	1.0
Illinois .....	.3	2.9	.2	1.5	.8	2.0	.6	2.0	.2	.9	.7	3.7	.1	2.3
Indiana .....	.6	2.3	.1	.3	1.0	2.8	.4	3.4	.1	.8	.1	1.1	.1	4.2
Iowa .....	.4	.9	.1	.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kansas .....	.3	.9	.1	.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kentucky .....	.3	.7	.3	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Michigan .....	.2	1.3	.2	.6	.7	3.5	1.0	1.6	.2	.5	.1	.4	.1	.1
Minnesota .....	.9	1.9	.1	.6	.9	2.4	.8	2.5	.1	1.3	.1	.4	.3	.3
Missouri .....	.5	1.8	.1	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nebraska .....	.7	1.9	.6	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
North Dakota .....	.4	1.2	.1	.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ohio .....	.2	.9	.1	2.5	.3	1.7	.4	1.0	.1	.4	.1	.1	.1	.1
Oklahoma .....	.3	3.2	.2	.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Dakota .....	.6	2.0	.1	.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee .....	.5	1.0	.4	.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Wisconsin .....	.3	.5	.2	.3	.7	2.3	.7	2.2	.1	.6	NA	NA	NA	NA
PAD District III Average .....	.3	.5	.1	.2	.1	3.7	.9	3.9	.2	.6	.1	.3	.1	1.3
Alabama .....	.9	1.3	.3	1.0	NA	NA	NA	NA	NA	NA	.1	.2	.0	.2
Arkansas .....	.2	.9	.2	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Louisiana .....	.2	2.2	.4	.8	NA	NA	NA	NA	NA	NA	.1	.4	.1	.3
Mississippi .....	.9	2.4	.3	.6	NA	NA	NA	NA	NA	NA	.0	.4	.0	.6
New Mexico .....	.8	1.2	.2	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Texas .....	.3	.7	.1	.3	NA	NA	NA	NA	NA	NA	.1	.2	.1	1.8
PAD District IV Average .....	.2	2.1	.1	.2	1.0	8.5	.4	1.4	.1	.4	.1	.5	.1	.2
Colorado .....	.3	3.0	.1	.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Idaho .....	.2	2.8	.1	.4	.6	3.2	.5	1.0	.1	.4	NA	NA	NA	NA
Montana .....	.4	1.4	.1	.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Utah .....	.2	1.1	.1	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Wyoming .....	.6	2.4	.2	.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAD District V Average .....	.5	.9	.1	1.3	.5	2.9	.3	1.4	.1	.5	.1	.7	.1	.3
Alaska .....	.3	1.8	.1	.7	.4	2.1	.6	5.3	.1	.9	NA	NA	NA	NA
Arizona .....	.4	1.4	.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
California .....	.8	1.3	.1	1.7	NA	NA	NA	NA	NA	NA	.1	.1	.1	.3
Hawaii .....	.3	1.6	.1	.4	NA	NA	NA	NA	NA	NA	.1	.7	NA	NA
Nevada .....	.3	.9	.1	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oregon .....	.4	1.0	.1	.5	.9	3.1	.5	1.2	.2	1.6	.1	1.7	.1	.5
Washington .....	.2	1.5	.1	.2	.6	2.3	.3	1.3	.1	.3	.1	2.7	.1	.1

<sup>a</sup> Sales prices shown in Tables 20, 25, and 28.

<sup>b</sup> No. 2 fuel oil only.

NA = Not Available.

Note: Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

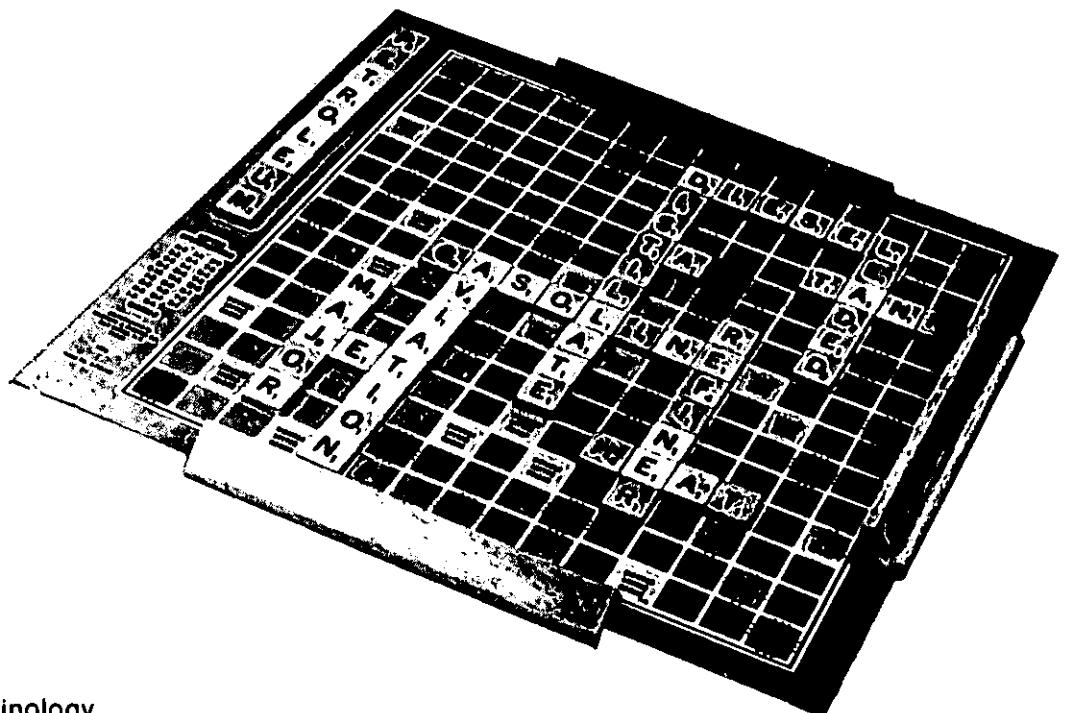
Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 49. Response Rate by Type of Entity, PAD District, and State, 1985  
(Percent)**

Geographic Area	Refiners and Gas Plant Operators		Resellers and Retailers		Suppliers	
	Low	High	Low	High	Low	High
<b>U.S. Average .....</b>	96.3	98.4	93.4	98.6	99.3	99.7
<b>PAD District I Average .....</b>	93.1	97.8	93.0	97.5	98.4	100.0
<b>Subdistrict IA Average .....</b>	92.8	99.3	92.0	96.9	98.2	100.0
Connecticut .....	86.2	100.0	95.0	100.0	93.9	100.0
Maine .....	90.9	100.0	91.8	98.0	95.8	100.0
Massachusetts .....	92.6	100.0	92.8	98.7	97.0	100.0
New Hampshire .....	95.6	100.0	91.5	100.0	96.1	100.0
Rhode Island .....	90.5	100.0	90.9	100.0	95.8	100.0
Vermont .....	94.7	100.0	91.1	100.0	95.6	100.0
<b>Subdistrict IB Average .....</b>	93.4	97.7	90.3	97.4	97.5	100.0
Delaware .....	88.2	100.0	84.6	100.0	95.2	100.0
District of Columbia .....	92.3	100.0	84.0	100.0	100.0	100.0
Maryland .....	92.0	100.0	88.3	98.3	96.9	100.0
New Jersey .....	90.6	100.0	91.3	98.6	97.2	100.0
New York .....	89.2	97.4	81.5	97.7	97.9	100.0
Pennsylvania .....	94.4	100.0	90.9	98.8	97.6	100.0
<b>Subdistrict IC Average .....</b>	92.9	98.6	93.1	98.1	98.0	100.0
Florida .....	92.3	100.0	89.1	100.0	97.6	100.0
Georgia .....	92.3	100.0	88.9	98.2	100.0	100.0
North Carolina .....	94.4	100.0	94.1	100.0	97.7	100.0
South Carolina .....	91.2	100.0	88.6	100.0	100.0	100.0
Virginia .....	89.2	100.0	92.3	97.0	97.7	100.0
West Virginia .....	88.9	98.5	92.5	100.0	96.7	100.0
<b>PAD District II Average .....</b>	96.3	98.5	92.4	97.1	98.4	99.7
Illinois .....	91.7	100.0	92.2	100.0	97.7	100.0
Indiana .....	94.7	100.0	90.6	100.0	97.6	100.0
Iowa .....	91.2	100.0	91.6	98.2	97.4	100.0
Kansas .....	95.5	100.0	94.6	100.0	98.0	100.0
Kentucky .....	92.5	100.0	90.6	98.2	95.3	100.0
Michigan .....	92.8	100.0	90.6	98.8	100.0	100.0
Minnesota .....	96.7	100.0	90.4	98.7	97.1	100.0
Missouri .....	95.0	100.0	90.8	98.7	97.7	100.0
Nebraska .....	94.7	100.0	92.1	98.4	97.3	100.0
North Dakota .....	90.9	100.0	88.9	97.8	97.2	100.0
Ohio .....	92.7	100.0	89.7	100.0	97.7	100.0
Oklahoma .....	95.3	100.0	89.1	98.4	97.9	100.0
South Dakota .....	92.6	100.0	89.8	100.0	96.9	100.0
Tennessee .....	93.0	100.0	96.2	100.0	100.0	100.0
Wisconsin .....	90.3	100.0	91.1	98.8	97.6	100.0
<b>PAD District III Average .....</b>	94.3	99.0	91.4	97.4	97.9	100.0
Alabama .....	93.2	100.0	87.7	100.0	97.9	100.0
Arkansas .....	90.5	100.0	92.6	98.6	97.7	100.0
Louisiana .....	93.5	100.0	87.5	100.0	98.3	100.0
Mississippi .....	93.2	100.0	91.7	100.0	97.8	100.0
New Mexico .....	93.9	100.0	90.9	100.0	97.3	100.0
Texas .....	85.5	100.0	91.1	98.8	98.8	100.0
<b>PAD District IV Average .....</b>	96.0	99.3	90.7	98.1	98.1	100.0
Colorado .....	94.9	100.0	88.6	100.0	100.0	100.0
Idaho .....	89.5	100.0	90.2	98.2	95.6	100.0
Montana .....	91.7	100.0	87.1	100.0	96.0	100.0
Utah .....	96.7	100.0	88.9	100.0	100.0	100.0
Wyoming .....	94.3	100.0	90.2	100.0	97.2	100.0
<b>PAD District V Average .....</b>	95.1	98.2	91.1	98.4	98.3	100.0
Alaska .....	87.5	100.0	84.8	100.0	100.0	100.0
Arizona .....	95.8	100.0	89.7	100.0	96.1	100.0
California .....	93.8	98.0	90.1	96.7	100.0	100.0
Hawaii .....	88.9	100.0	80.0	100.0	100.0	100.0
Nevada .....	95.4	100.0	83.3	100.0	100.0	100.0
Oregon .....	95.0	100.0	91.4	100.0	96.0	100.0
Washington .....	95.2	100.0	89.3	100.0	96.3	100.0

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report," and EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

# Glossary



Petroleum-related terminology.



# Glossary

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

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

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

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

**Barrel:** One barrel of crude oil contains 42 U.S. gallons.

**CIF:** Cost, insurance, and freight. A transaction for which the seller assumes the costs and risks of bringing the product to the point of destination (generally the port of landing). Thus, a CIF price is a delivered price.

**Commercial/Institutional:** Firms engaged in transportation, wholesale or retail trade, finance, insurance, and real estate. Also included are apartment buildings/complexes and other multifamily dwellings, hotels and office buildings or complexes, local, State, or Federal facilities or organizations including the military, schools, hospitals, religious institutions, universities, and all other government-supported organizations.

**Company Operated Retail Outlet:** Any retail outlet (e.g., service station) selling gasoline or diesel fuel that is under the direct control of the company filing this report by virtue of the ability to set the retail product price and directly collect all or part of the retail margin. This category includes retail outlets: (1) being operated by salaried employees of the company and/or its subsidiaries and affiliates, and/or (2) involving personnel services contracted by the company.

**Crude Oil (including lease condensate):** A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facil-

ties. Includes lease condensate and drip gas, as well as liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Excludes topped crude oil, residual oil, other unfinished oils, and liquids produced at natural gas processing plants and mixed with crude oil, where identifiable. Crude oil is considered as either domestic or imported according to the following:

1. **Domestic Crude Oil:** Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.
2. **Imported Crude Oil:** Crude oil produced outside the United States and brought into the United States.
3. **First purchase volume and cost data** for crude oil are classified in accordance with what the product was sold as, regardless of the actual specifications. Hence, its volumes may include some of the excluded liquids discussed above.

**Crude Oil Acquisitions (unfinished oil acquisitions):** The volume of crude oil either (1) acquired by the respondent for processing for his own account in accordance with accounting procedures generally accepted and consistently and historically applied by the refiner concerned, or (2) in the case of a processing agreement, delivered to another refinery for processing for the respondent's own account.

**Distillate Fuel Oil:** A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils and No. 1, No. 2, and No. 4 diesel fuels.

1. **No. 1 Distillate:** A petroleum distillate which meets the specifications for No. 1 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 1 diesel fuel as defined in ASTM Specification D 975.
  - a. **No. 1 Diesel Fuel:** A volatile distillate fuel oil with a boiling range between 300-575 degrees Fahrenheit and used in high-speed diesel engines generally operated under

- wide variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D 975.
- b. **No. 1 Fuel Oil:** A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D 396 specifies for this grade maximum distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees Fahrenheit.
2. **No. 2 Distillate:** A petroleum distillate which meets the specifications for No. 2 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 2 diesel fuel as defined in ASTM Specification D 975.
- a. **No. 2 Diesel Fuel:** A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees Fahrenheit for use in high speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D 975.
  - b. **No. 2 Fuel Oil:** A distillate fuel oil for use in atomizing type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D 396 specifies for this grade distillation temperatures at the 90-percent point between 540 and 640 degrees Fahrenheit, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees Fahrenheit.
- **NOTE:** Published volume and price data for No. 2 diesel fuel and No. 2 fuel oil are classified in accordance to what the product was sold as, regardless of the actual specifications of that product; i.e., if a No. 2 distillate was sold as a heating or fuel oil the volume and price would be published in the category "No. 2 Fuel Oil" even if the product conformed to the higher specifications of a diesel fuel.
  - 3. **No. 4 Fuel:** A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D 396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees Fahrenheit. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D 975.
- Finished Motor Gasoline:** A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D 439 or Federal Specification VV-G-1690B, include a boiling range of 122 to 158 degrees Fahrenheit at the 10-percent point to 365 to 374 degrees Fahrenheit at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. (Alcohol that is to be used in the blending of gasohol is also excluded.)
- 1. **Regular Gasoline:** As defined in ASTM D 439 and Environmental Protection Agency (EPA) Specifications, gasoline anti-knock designation equal to or less than 3. Includes both leaded regular gasoline and unleaded regular gasoline. Excludes any blendstock until blending has been completed and the blendstock is incorporated in the finished leaded gasoline and no longer separately identified.
    - a. **Leaded Regular Gasoline:** As defined in ASTM D 439 and EPA Specifications, gasoline anti-knock designation 3 produced with the use of any lead additives or which contain more than 0.05 grams of lead per gallon or more than 0.005 grams of phosphorus.
    - b. **Unleaded Regular Gasoline:** As defined in ASTM D 439 and EPA Specifications, gasoline anti-knock designation 2 containing not more than 0.05 grams of lead per gallon, and not more than 0.005 grams of phosphorus.
  - 2. **Premium Gasoline:** As defined in ASTM D 439 and EPA Specifications, gasoline anti-knock designation equal to or greater than 4. Includes both leaded premium gasoline as well as unleaded premium gasoline.
    - a. **Leaded Premium Gasoline:** As defined in ASTM D 439 and EPA Specifications, gasoline anti-knock designation 5 produced with the use of any lead additives

or which contains more than 0.05 grams of lead per gallon or more than 0.005 grams of phosphorus.

- b. **Unleaded Premium Gasoline:** As defined in ASTM D 439 and EPA Specifications, gasoline anti-knock designation 4 containing not more than 0.05 grams of lead per gallon, and not more than 0.005 grams of phosphorus.

**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.

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

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

**Kerosene:** A petroleum distillate that boils at a temperature between 300 degrees and 550 degrees Fahrenheit, that has a flash point higher than 100 degrees Fahrenheit by ASTM Method D 56, that has a gravity range from 40 degrees-46 degrees API, and that has a burning point in the range of 150 degrees-175 degrees Fahrenheit. Included are the two classifications recognized by ASTM Specification D 3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum endpoint of 625 degrees Fahrenheit. Kerosene is used in space heaters, cook stoves, and water heaters and is

suitable for use as an illuminant when burned in wick lamps.

**Kerosene-Type Jet Fuel:** A quality kerosene product with an average gravity of 40.7 degrees API, and a 10-percent distillation temperature of 400 degrees Fahrenheit. It is covered by ASTM Specification D 1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low freezing point distillate of the kerosene type, it is used primarily for commercial turbojet and turboprop aircraft engines.

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

**Major Refiners:** Refiners with a total refinery capacity in the United States and its possessions of greater than or equal to 275,000 barrels per day as of January 1, 1982. See Tables 5 and 6 of the *Petroleum Supply Annual, 1981* (pages 107-137) for a listing of refiners and their capacities. The following companies comprise the major refiners for this survey:

Amerada Hess; Amoco Oil Company; Ashland Oil, Inc.; Atlantic Richfield Company; Chevron; Conoco, Inc.; Exxon; Marathon Oil Company; Mobil Oil Corporation; Phillips Petroleum Company; Shell Oil Company; Southland Corporation; Standard Oil Company of Ohio; Sun Company, Inc.; Texaco, Inc.; Unocal (formerly Union Oil Company of California); Union Pacific Petroleum Company.

Prior to being acquired by other major refiners, Getty Oil Company and the Gulf Oil Corporation were also included as major refiners. The Southland Corporation is considered a major refiner as a result of its acquisition of Citgo Petroleum, formerly part of the Cities Service Company, and Occidental Petroleum.

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

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

**OPEC:** The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating

with oil companies on matters of oil production, prices, and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

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

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

**PAD District:** Petroleum Administration for Defense Districts

#### **PAD District I:**

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

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

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

#### **PAD District II:**

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

#### **PAD District III:**

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

#### **PAD District IV:**

Colorado, Idaho, Montana, Utah, and Wyoming.

#### **PAD District V:**

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

**Propane, Consumer Grade:** A normally gaseous paraffinic compound (C<sub>3</sub>H<sub>8</sub>), which includes all products covered by Natural Gas Policy Act (NGPA) Specifi-

cations for commercial use and HD-5 propane and ASTM Specification D 1835. Excludes feedstock propanes, which are propanes not classified as consumer grade propanes, including the propane portion of any natural gas liquids (NGL) mixes, i.e., butane-propane mix.

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

**Refiner:** A firm or the part of a firm that refines products or blends and substantially changes products, or refines liquid hydrocarbons from oil and gas field gases, or recovers liquefied petroleum gases incident to petroleum refining and sells those products to resellers, retailers, resellers/retailers or ultimate consumers. "Refiner" includes any owner of products which contracts to have those products refined and then sells the refined products to resellers, retailers, or ultimate consumers.

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

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

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

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

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

**Sale:** The transfer of title from the seller to a buyer for a price. Excludes intrafirm transfers, products consumed directly by the reporting firm, or sales of bonded fuel.

Also excludes products delivered/loaned to exchange partners, except where the amount given up exceeds the amount received and the differential is invoiced as a sale during the reference month.

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

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

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

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

**Unit Price:** For the crude oil statistics, unit price equals the total cost of purchasing the crude oil during the reference month divided by the total volume purchased. Total cost includes all taxes, import and export fees, and transportation costs associated with purchasing crude oil. Form EIA-856, however, excludes import fees from

total cost. For petroleum product statistics, unit price equals total revenue derived from the sale of product during the reference month divided by total volume sold. Total revenue excludes all taxes but includes transportation costs paid as part of the purchase.

**United States:** For crude oil statistics referencing Form EIA-182, the United States includes the outer continental shelf and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, 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.



# Explanatory Notes



Decorated horsehead pump in Coalinga, California.



# Explanatory Notes

## The EIA-782 Survey

### Background

The EIA-782 survey was implemented to fulfill the data requirements necessary to meet Energy Information Administration (EIA) legislative mandates and user community data needs. The requirements include petroleum product price, market distribution, demand (or sales), and product supply data, which are needed for a complete evaluation of petroleum market performance. In the past, these data requirements were fulfilled through the following surveys:

- EIA-460: "Petroleum Industry Monthly Report on Product Prices"
- EIA-9A: "No. 2 Distillate Price Monitoring Report"
- EIA-25: "Prime Supplier's Monthly Report"
- FEA-P306: "Refiner/Importer Monthly Report of Petroleum Product Distribution"
- FEA-P314: "Monthly Survey of Distillate and Residual Fuel Oil Sales to Ultimate Consumers"
- FEA-P315: "Monthly Survey of Propane Sales Volume to Ultimate Consumers"
- SG-1, 2, 4, and 7: "Survey of Gallonage Sales of Gasoline."

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

Comments solicited from the petroleum industry and data users led to the development of this new consolidated survey--the Form EIA-782 series, which includes the Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report," and Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

The Form EIA-782A replaces the refiner and gas plant operator portion of the Form EIA-460. Major changes include deleting 10 product categories and redefining and regrouping other product categories for-

merly on the Form EIA-460 survey, shifting reporting from a national to a State-specific basis, and revising respondent lists and respondent groupings used for publication. The Form EIA-782A collects refiner and gas plant operator monthly price and volume data at the State level for various petroleum products for retail and wholesale marketing categories, with more detailed retail customer sales categories for No. 2 distillate.

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

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

### Discussion of Sample Design

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

The Form EIA-782B was sent to a scientifically selected sample of motor gasoline resellers, and distillate and residual fuel oil resellers and retailers. The Form EIA-764, "Petroleum Product Sales Identification Survey," served as the basis of the sampling frame of dealers. Information obtained from the Form EIA-764 was supplemented with information from the Form EIA-172, "Sales of Fuel Oil and Kerosene Survey," to provide separate stratification schemes for each of the three major products: motor gasoline, No. 2 distillate, and residual fuel oil. Dealers selling in four or more States and company/State units comprising 5 percent or more of sales in that State were selected with certainty. The remaining company/State units on the frame were stratified by geographic area, type of sale, and volume of product sales. The geographic areas were defined as (a) the 24 States where No. 2 distillate is a significant heating source and 51 States for residual fuel oil and finished motor gasoline, or (b) the PAD Districts for districts where not all State estimates are provided. The type-of-sale classifications were retail and resale for motor gasoline and residual fuel oil, and residential and nonresidential retail and wholesale for distillate. Three volume-of-sales classifications (zero, low, and high) were defined with volume boundaries differing by State, type of sale, and product.

The design of the EIA-782B sample was based on seven target variables: total retail motor gasoline, total wholesale motor gasoline, residential No. 2 fuel oil, other retail No. 2 fuel oil, total wholesale No. 2 fuel

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

The three samples (one for each major product) resulting from the separate stratification schemes were combined by means of a linked-selection procedure designed to maximize the overlap among samples. This procedure produced a sample size of 7,583 company/State units or 3,910 companies. Each company selected was required to file completed survey forms for only those States in which it was selected.

The Form EIA-782C was sent to all suppliers who make the first sale of any of the selected products on the EIA-782C, and who deliver that product into a State for consumption in that State. These respondents were selected with certainty, due to their small number and because of the relative size of their sales volume.

### **Discussion of the Sampling Frame**

The Form EIA-782A mailing list consisted of all companies included on the mailing lists for the Form EIA-87, "Refiners Report," and the Form EIA-64, "Natural Gas Liquids Operations Report," in addition to those companies identified as refiners or gas plant operators on the Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," name and address file. The records from these combined files provided comprehensive coverage of the target population of refiners and gas plant operators. Currently, there are 189 companies responding to the EIA-782A.

The EIA-764 data base provided the sampling frame for the EIA-782B survey. The EIA-764, "Petroleum Product Sales Identification Survey," was mailed to 58,000 companies in April 1982, in order to collect 1981 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 resale sales, while the residual and motor gasoline data were identified by end-use and resale sale. The mailing list for the EIA-764 survey was constructed by merging and unduplicating 11 EIA survey mailing lists and approximately 47 State and commercial lists.

Two different forms (the EIA-764A and EIA-764B) were used to collect the data. The EIA-764A was mailed to approximately 52,000 companies and collected data on all three products. Since State level sales data for No. 2 distillate and residual fuel were already available

for companies that responded to the EIA-172 survey, the EIA-764B only collected sales volume information for motor gasoline. The EIA-764B was mailed to approximately 6,000 companies that responded to the 1981 EIA-172 survey.

Data from the 1981 EIA-172 survey were merged with data from the EIA-764 survey to yield a combined file. A transformed and edited version of this file was created to form the sample file used to design and select the EIA-782B sample.

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

The initial Form EIA-782C mailing list consisted of all companies included on the mailing lists for the Forms EIA-782A and EIA-25 and all other firms believed to qualify for reporting. The Form EIA-782C frame currently includes approximately 230 firms.

### **Reliability of Data**

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

### **Measures of Sampling Variability**

Tables 16 through 20, 23 through 26, and 28 utilize a particular sample of refiners/retailers and therefore, have sampling error. The remainder of the tables published are based on census data and do not have sampling error. 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. The standard error of the estimate is one measure of the precision which an estimate from a particular sample approximates the results of a complete enumeration. Table 48 shows that lowest and highest upper bounds of standard errors during the year for sales prices of motor gasoline, No. 2 distillate, and residual fuel oil.

### **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 is available, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, to minimize their effects. In addition, EIA maintains close cooperative consultation with EIA-782 survey respondents and data users to facilitate 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,

$$\hat{V}_t = \frac{\sum W_i V_{i,t}}{R} + \frac{R}{\sum W_i \tilde{V}_{i,t}} \cdot \frac{\sum W_i \tilde{V}_{i,t}}{NR} \quad (1)$$

where  $W_i$  = the weight for company i. For resellers/retailers responding to the EIA-782B,  $W_i$  is inversely proportional to the probability of inclusion. For all certainty units  $W_i = 1$ . The certainty units are all respondents to the EIA-782A and the EIA-782C and the units selected with certainty for the EIA-782B.

$\Sigma$  = summation across current month respondents,  
 $R$

$\Sigma$  = summation across current month nonrespondents,  
 $NR$

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

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

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

$$\tilde{V}_{i,t} = \alpha \tilde{V}_{i,t-1} + (1 - \alpha) V_{i,t-1} \quad (2)$$

where

$\tilde{V}_{i,t-1}$  = previous month (t-1) predicted volume for company i,

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

$\alpha$  = constant between 0 and 1, set by product and type of sale.

Analogously, revenue formulas are expressed by replacing  $\hat{V}_t$ ,  $V_{i,t}$ ,  $\tilde{V}_{i,t}$ , and  $\tilde{V}_{i,t-1}$  in (1) and (2) with  $\hat{Q}_t$ ,  $Q_{i,t}$ ,  $\tilde{Q}_{i,t}$ , and  $\tilde{Q}_{i,t-1}$ , where Q represents revenue, i.e., price times volume. The resulting estimated revenues and volumes,  $\hat{Q}_t$  and  $\hat{V}_t$ , are aggregated to the publishable level to yield  $\hat{V}_t$  and  $\hat{Q}_t$ , respectively. Current period volume weighted average price is therefore estimated by:

$$\hat{P}_t = \frac{\hat{Q}_t}{\hat{V}_t} \quad (3)$$

where (t.) represents aggregation to the publishable level for the current month (t).

To obtain the annual estimates presented in this publication, the monthly revenue and volume estimates,  $\hat{Q}_t$  and  $\hat{V}_t$ , are summed to the annual level. Total annual revenue is then divided by total annual volume to yield annual average price.

Multiple product data collection and linked sample selection yield two types of respondents: basic and supplemental. Both types are used for imputation and estimation. Variances and standard errors are calculated using only basic respondents and, therefore, represent an upper bound on error.

Standard errors are obtained by taking the square root of the variance. These variances are estimated by:

$$VAR(\hat{P}_t) = \frac{1}{\hat{V}_t^2} \sum_k N_k^2 \left( \frac{1 - f_k}{n_k} \right) S_k^2$$

where

$$S_k^2 = S_{kq}^2 + \hat{P}_t^2 S_{kv}^2 - 2\hat{P}_t S_{kqv}^2$$

$$S_{kq}^2 = \frac{\sum_{i=1}^{n_k} \left( P_{ik} V_{ik} - \bar{P}_k V_k \right)^2}{n_k - 1}$$

$$S_{kv}^2 = \frac{\sum_{i=1}^{n_k} (V_{ik} - \bar{V}_k)^2}{n_k - 1}$$

$$S_{kvq}^2 = \frac{\sum_{i=1}^{n_k} (P_{ik} V_{ik} - \bar{P}_k \bar{V}_k) (V_{ik} - \bar{V}_k)}{n_k - 1}$$

$n_k$  = number of basic respondents in group k,

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

$\bar{V}_k$  = average volume for basic respondents in group k,

$P_{ik} V_{ik}$  = reported revenue for basic respondent i in group k,

$\bar{P}_k \bar{V}_k$  = average revenue for basic respondents in group k,

$N_k$  = number of population units in group k,

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

and  $\hat{P}_t$  and  $\hat{V}_t$  are as previously defined.

### Data Continuity

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

Since the transition from the EIA-460, the EIA-9A, and the EIA-25, to the EIA-782 took place over a period of 4 months, rather than occurring at one time, it was possible to compare data from the predecessor surveys with data from the new survey during the transition period for some data elements. The 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 approxima-

tion. 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 of average taxes reported. Comparable seller/sales categories were formed by multiplying the predecessor price by the ratio of the EIA-782 price for the category to be estimated divided by the volume weighted prices for the aggregate of the EIA-782 categories most comparable to the predecessor category. That is,

$$\hat{P}_{460,i} = \hat{P}_{460,j} \left( \frac{\hat{P}_{782,i}}{\hat{P}_{782,j}} \right)$$

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

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

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

where t = reference month.

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

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

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

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

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

Starting with the January 1984 final estimates, prices published are derived using the sample described under "Discussion of Sample Design." Prices published for January through December 1983 were derived using a different sample and design (see December 1983(3) is-

sue of the PMM for further description). Therefore, there may be some minor discontinuity between the December 1983 and January 1984 estimates.

### Collection Methods

Survey data are collected by mail every month. It is mandatory for each respondent to submit completed forms to EIA within the specified time allotted. For the EIA-782A and B, completed forms must be submitted no later than 30 calendar days after the close of each reference month. For the EIA-782C, completed forms must be submitted no later than 20 calendar days after the close of the reference month. Telephone 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 on the computer files. Statistical reports, including publication tables, are then generated using only acceptable and verified data.

### Processing of Late Submissions and Resubmissions

The PMA utilized data from EIA-782 forms which were late submissions or resubmitted by respondents after the PMM published 1985 monthly estimates. Late submissions and resubmissions of data for reference months January 1985 through December 1985 were processed with data in the monthly computer files. The data are manually reviewed and processed through an automated edit program in the month the data are received. Data which fail the edits are resolved in the same manner as discussed above in data processing.

### Relationship of Sales and Sales for Consumption Data

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

- The EIA-782A volumetric data are intended to be used primarily with the price data collected on that schedule to generate weighted average sales prices for various petroleum product/sales categories. On the other hand, the EIA-782C

data are intended for use, primarily, in understanding and assessing the distributional aspects of the petroleum product market.

- The EIA-782A is designed to gather data on the sales of selected petroleum products made in each State, regardless of where the products are physically located and/or to be consumed. On the other hand, the EIA-782C is designed to collect data reflecting only first delivered sales of selected petroleum products into those States where the products are expected to be eventually consumed.
- A further difference involves the timing of sales and deliveries. The EIA-782A data reflect all sales for the reference month by refiners and gas plant operators in each State, regardless of when the product is to be delivered or consumed. Conversely, the EIA-782C data reflect only delivered sales. For example, the actual sale may be made in March, but the product not delivered until April. For the EIA-782A schedule, the data related to that sale should be included in the March report, but that volume should be reported on the EIA-782C with the April data.
- In addition, the reporting universe for the EIA-782C survey is slightly larger than that of the EIA-782A. While refiners and gas plant operators report on both surveys, some large interstate resellers or distributors, as well as importers of selected petroleum products, report only on the EIA-782C.

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

Similarly, regions with a high level of product imports by firms which are neither refiners nor gas plant operators (e.g., in the New England or Mid-Atlantic regions) show higher "consumption sales" than "sales," since the import volumes would be reported only on the EIA-782C. Even the national volumes may differ, since these imports would not be reported as "sales" in any State/region on the EIA-782A, unless at some point in the distribution chain they were transferred to a re-

finer or gas plant operator that reported on the EIA-782A.

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

In summary, caution should be exercised in using and comparing the data generated from these two informa-

tion systems. The U.S. petroleum product supply and distribution system is complex in nature; products enter and exit the distribution system at numerous points—points at which a "sale" may or may not occur, and which may or may not be geographically consistent with eventual consumption, which itself may not occur in the "sale" month. Total refiner sales, delivered first sales for consumption, and products supplied by producers reflect different, although related, concepts of measurement of volumes within the complex distribution system.

**Figure 12. Federal and State Motor Fuel Taxes<sup>1</sup>**  
(Cents per Gallon)

	Motor Gasoline	Diesel Fuel		Motor Gasoline	Diesel Fuel
Federal <sup>2</sup> .....	9.0	15.0	Mississippi <sup>3</sup> .....	9.0	10.0
Alabama .....	11.0	12.0	Missouri .....	7.0	7.0
Alaska .....	8.0	8.0	Montana .....	15.0	17.0
Arizona .....	13.0	13.0	Nebraska <sup>3</sup> .....	11.5	11.5
Arkansas .....	13.5	12.5	Nevada .....	12.0	12.0
California <sup>3</sup> .....	9.0	9.0	New Hampshire .....	14.0	14.0
Colorado .....	12.0	13.0	New Jersey .....	8.0	8.0
Connecticut .....	16.0	16.0	New Mexico .....	11.0	11.0
Delaware .....	11.0	11.0	New York <sup>3</sup> .....	8.0	10.0
District of Columbia ...	15.5	15.5	North Carolina .....	12.0	12.0
Florida .....	9.7	9.7	North Dakota .....	13.0	13.0
Georgia <sup>3</sup> .....	7.5	7.5	Ohio .....	12.0	12.0
Hawaii <sup>3</sup> .....	11.0	12.0	Oklahoma .....	10.0	10.0
Idaho .....	14.5	14.5	Oregon .....	10.0	10.0
Illinois <sup>3</sup> .....	13.0	15.5	Pennsylvania <sup>3</sup> .....	12.0	12.0
Indiana <sup>3</sup> .....	14.0	15.0	Rhode Island .....	13.0	13.0
Iowa .....	15.0	16.5	South Carolina .....	13.0	13.0
Kansas .....	11.0	13.0	South Dakota .....	13.0	13.0
Kentucky .....	10.0	10.0	Tennessee .....	13.0	13.0
Louisiana .....	16.0	16.0	Texas .....	10.0	10.0
Maine .....	14.0	14.0	Utah .....	14.0	14.0
Maryland .....	13.5	13.5	Vermont .....	13.0	14.0
Massachusetts .....	11.0	11.0	Virginia <sup>3</sup> .....	11.0	11.0
Michigan <sup>3</sup> .....	15.0	15.0	Washington .....	18.0	18.0
Minnesota .....	17.0	17.0	West Virginia <sup>3</sup> .....	10.5	10.5
			Wisconsin .....	16.5	16.5
			Wyoming <sup>4</sup> .....	8.0	--

<sup>1</sup> This figure lists rates of general application, exclusive of county and local taxes. Rates are also exclusive of any State taxes based on gross or net receipts. These State rates were effective from July 1, 1985, through December 31, 1985.

<sup>2</sup> The Federal tax on motor gasoline and diesel fuel changed from 4.0 cents to 9.0 cents on April 1, 1983. The Federal tax on diesel fuel changed from 9.0 cents to 15.0 cents on August 1, 1984.

<sup>3</sup> Additional State taxes are levied as follows: California: 6 percent sales tax; Georgia: 3 percent sales tax; Hawaii: 4 percent sales tax; Illinois: 5 percent sales tax; Indiana: 5 percent sales tax; Michigan: 4 percent sales tax; Mississippi: 6 percent sales tax; Nebraska: 5.3 percent excise tax based on retail price (variable, set quarterly); New York: 4 percent sales tax; Pennsylvania: 0.6 percent franchise tax, based on wholesale price; Virginia: 3 percent excise tax, based on wholesale price; and West Virginia: 4.85 cents per gallon sales tax.

<sup>4</sup> Wyoming: Diesel fuel is subject to a 4 percent sales tax.

Source: State revenue/taxation offices.

**Figure 13. U.S. Postal Two-Letter State Abbreviations**

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

## The Crude Oil Price Surveys

### Background

#### Form EIA-182: "Domestic Crude Oil First Purchasers' Report"

Each month, Form EIA-182 collects data on first purchases of domestic crude oil from buyers. 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 geographical areas and are computed from the following reported data elements:

- **Area of production.** The producing State or non-State production "area" (i.e., Alaska North Slope, Alaska Other Mainland, Federal Offshore California and Federal Offshore Gulf-about one-fifth off Texas and the remainder off Louisiana).
- **Total amount paid.** Reported f.o.b. the lease boundary and based on the actual purchase expenditures, including discounts or premiums paid.
- **Total volume purchased.** The amount of crude bought and paid for as it is measured at the lease boundary (usually at a lease automatic custody transfer unit--a LACT unit), adjusted for basic sediment and water (BS&W) and temperature.

Prices published from data collected on Form EIA-182 are calculated by dividing the sum of the total amounts paid for the crude oil by the sum of the total volume purchased.

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

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

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

- **Offshore inventories.** Crude oil owned by the respondent that is intended for importation into the United States. These inventories include oil in tankers enroute to the United States and floating or on-land storage outside the United States.
- **Crude type.** Includes the country of origin of the cargo of crude, the stream or type of crude oil (e.g., Saudi Light), and the API gravity.
- **Volume.** The number of 42 gallon barrels in the cargo.
- **Dates.** The date of loading/acquisition and the expected month of landing.
- **Transportation.** Ports of loading and landing and the name of the vessel.
- **Prices.** Acquisition cost, landed cost, and other costs such as demurrage, agent's fees, import tariffs and fees, etc. (all costs are reported in dollars per barrel).
- **Days credit.** The number of days credit is extended to the purchaser by the seller.
- **Purchase classifying information.** Type of transaction (e.g., purchase from host government), terms of transaction (spot or contract), and point of transaction (f.o.b. (free on board), country of origin or CIF (cost, insurance, and freight), U.S. port of entry).

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

#### 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). The costs include all charges associated with the acquisition, transportation, and storage of crude incurred by respondents up to the time the oil is delivered to their refineries.

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

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

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

### Respondent Frame

**EIA-182:** All firms that buy domestic crude oil at the lease boundary, acquiring ownership of the crude in a first purchase transaction. The list initially was compiled from the 1974 Federal Energy Administration (FEA) Oil and Gas Survey of Producers and Operators. Collection of data from first purchasers began in February 1976. By 1978, the frame consisted of 340 respondents. Of these, 198 purchased more than 150,000 barrels per year and together represented 99.9 percent of the total reported volume.

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

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

**EIA-14:** All refiners of crude oil in the United States, including its territories and possessions. There are currently 160 active respondents to the EIA-14.

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

### Data Processing

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

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

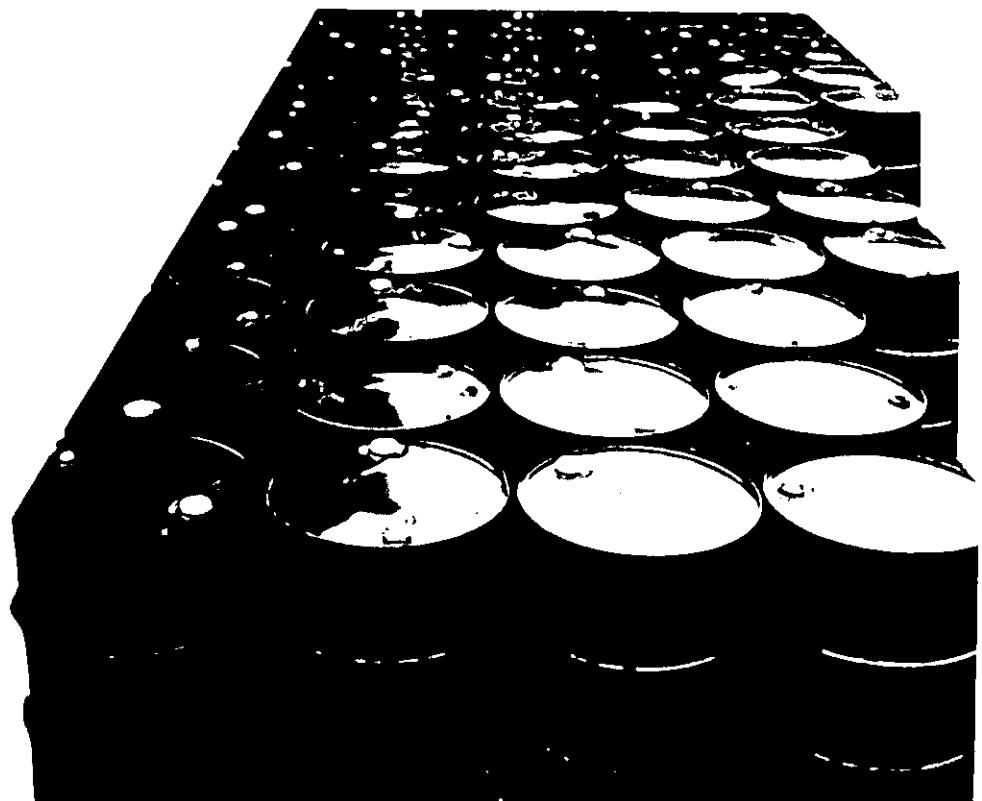
The forms are logged and reviewed manually. The data are then entered onto computer files. The files are then processed through an automated edit program which detects missing data, inconsistent prices, and outlying values that affect published estimates. Data that fail the edits are resolved through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

### Data Continuity

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



# **Product Guide and Cross Reference Guide**



Barrels containing petroleum  
products.

## Product Guide

Table

Category	Table			
	Prices	Volumes	Percentages	First Sales for Consumption
<b>Crude Oil</b>				
Refiner Acquisition Cost				
U.S. Average .....	1	--	--	--
-by type of refiner .....	6	--	--	--
Domestic First Purchases				
U.S. Average .....	1	--	--	--
U.S., PAD District, and State .....	7	--	--	--
Imports				
FOB Costs .....	1	--	--	--
-from selected countries .....	8	--	--	--
-by API gravity .....	10	--	--	--
-for selected crude streams .....	13	--	--	--
Landed Costs				
-from selected countries .....	9	--	--	--
-by API gravity .....	11	--	--	--
-for selected crude streams .....	14	--	--	--
Total Imports				
-by API gravity .....	--	--	12	--
<b>Finished Motor Gasoline</b>				
U.S. Average or Total .....	2, 4	3, 5	--	45
-by type of seller .....	15	--	37, 38	--
-from 1978 to present .....	2, 4, 15	--	--	--
-from 1983 to present .....	16	30	--	--
U.S., PAD District, and State				
-by type of seller with detailed type-of-sale data .....	16, 20	32	39, 40	--
U.S., PAD District, and State .....	--	--	--	45
<b>Leaded Regular Motor Gasoline</b>				
U.S. Average or Total .....	--	--	--	45
-by type of seller .....	17	--	37, 38	--
U.S., PAD District, and State				
-detailed type-of-sale data .....	17, 20	30	--	--
U.S., PAD District, and State .....	--	--	--	45
<b>Unleaded Regular Motor Gasoline</b>				
U.S. Average or Total .....	--	--	--	45
-by type of seller .....	18	--	37, 38	--
U.S., PAD District, and State				
-detailed type-of-sale data .....	18, 20	33	--	--
U.S., PAD District, and State .....	--	--	--	45
<b>Premium Motor Gasoline</b>				
U.S. Average or Total .....	--	--	--	45
-by type of seller .....	19	--	37, 38	--
U.S., PAD District, and State				
-detailed type-of-sale data .....	19, 20	33	--	--
U.S., PAD District, and State .....	--	--	--	45
<b>Finished Aviation Gasoline</b>				
U.S. Average or Total .....	2, 4	3, 5	--	47
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and/or State .....	21, 22	34, 35	--	47
<b>Kerosene-Type Jet Fuel</b>				
U.S. Average or Total .....	2, 4	3, 5	--	47
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and/or State .....	21, 22	34, 35	41	47
<b>Kerosene</b>				
U.S. Average or Total .....	2, 4	3, 5	--	46
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and State .....	21, 22	34, 35	--	46

## Product Guide

Category	Table			
	Prices	Volumes	Percentages	First Sales for Consumption
<b>No. 1 Distillate</b>				
U.S. Average or Total .....	2, 4	3, 5	--	46
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and State .....	21, 22	34, 35	--	46
<b>No. 2 Distillate</b>				
U.S. Average or Total .....	2, 4	3, 5	--	46
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4, 23	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S. and PAD District .....	--	--	42	--
-by type of seller with detailed type-of-sale data .....	--	--	--	--
U.S., PAD District, and State .....	--	--	42	--
-by type of seller with detailed type-of-sale data .....	24	34, 35	--	--
-with detailed type-of-sale data .....	21, 22, 25	--	--	--
U.S., PAD District, and State .....	--	--	--	46
<b>No. 2 Fuel Oil</b>				
U.S. Average or Total .....	2, 4	3, 5	--	46
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and State .....	--	--	--	--
-with detailed type-of-sale data .....	26	--	--	--
U.S., PAD District, and State .....	--	--	--	46
<b>No. 2 Diesel Fuel</b>				
U.S. Average or Total .....	2, 4	3, 5	--	46
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and State .....	--	--	--	46
<b>No. 4 Fuel</b>				
U.S. Average or Total .....	2, 4	3, 5	--	46
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and/or State .....	29	--	--	46
<b>Residual Fuel Oil</b>				
U.S. Average or Total .....	2, 4	3, 5	--	47
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and/or State .....	28, 29	36	44	47
<b>Residual Fuel Oil (sulfur content less than or equal to 1 percent)</b>				
U.S. Average or Total .....	27	--	--	--
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	27	--	--	--
U.S., PAD District, and/or State .....	28, 29	36	--	47
<b>Residual Fuel Oil (sulfur content greater than 1 percent)</b>				
U.S. Average or Total .....	27	--	--	--
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	27	--	--	--
U.S., PAD District, and/or State .....	28, 29	36	--	47
<b>Propane, Consumer Grade</b>				
U.S. Average or Total .....	2, 4	3, 5	--	47
-by type of seller .....	--	30, 31	37, 38	--
-from 1978 to present .....	2, 4	--	--	--
-from 1983 to present .....	--	3, 5	--	--
U.S., PAD District, and State .....	21, 22	34, 35	43	--
U.S. and State .....	--	--	--	47

-- = Not applicable



## Cross Reference Guide

Summary Statistics		
PMM Table Number	PMA Volume 1 Table Number	PMA Volume 2 Table Number
1	1	1
3	2	2
4	3	3
5	4	4
6	5	5

Crude Oil Prices		
PMM Table Number	PMA Volume 1 Table Number	PMA Volume 2 Table Number
14	6	6
15	7	7
16	8	8
17	9	9
18	10	10
19	11	11
21	13	13
22	14	14

Sales Prices of Petroleum Products		
PMM Table Number	PMA Volume 1 Table Number	PMA Volume 2 Table Number
25	15	-
30	16	15
31	17	16
32	18	17
33	19	18
26, 27, 28, 29	20	19
34, 35, 42	21, 22	20
36, 37, 40	21, 22	21
10, 39	25	22
38	24	23
11	23	22
41	26	24
43	27, 29	25
12, 44	-	26

Sales Volumes of Petroleum Products <sup>1</sup>		
PMM Table Number	PMA Volume 1 Table Number	PMA Volume 2 Table Number
45	30	-
46	31	-
47, 48	32	27
49, 50	33	28
51, 52, 56	34, 35	29
53, 54, 55	34, 35	30
57	36	31

Percentages		
PMM Table Number	PMA Volume 1 Table Number	PMA Volume 2 Table Number
20	12	12
58	37	-
59	38	-
60, 61	39	-
62	40	-
63	41	-
64	42	-
65	43	-
66	44	-

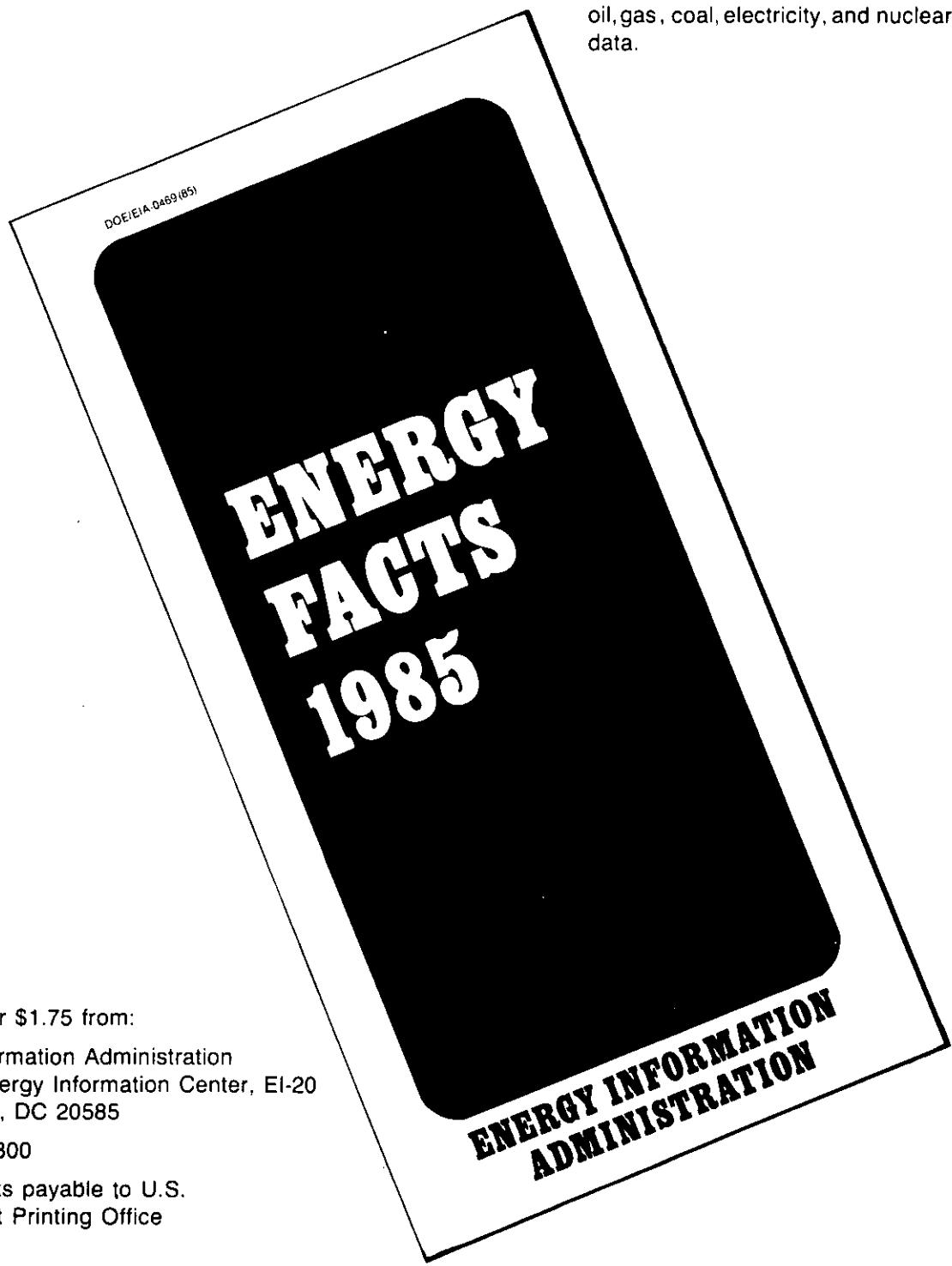
First Sales of Petroleum Products for Consumption		
PMM Table Number	PMA Volume 1 Table Number	PMA Volume 2 Table Number
67	45	32
68	46	33
69	47	34

<sup>1</sup> Volumes in the "Petroleum Marketing Annual" are expressed in thousands of gallons per day, while volumes in the "Petroleum Marketing Monthly" are expressed in thousands of gallons.



# HERE ARE THE FACTS!

A quick reference to U.S. and international  
oil, gas, coal, electricity, and nuclear energy  
data.



Available for \$1.75 from:

Energy Information Administration  
National Energy Information Center, EI-20  
Washington, DC 20585  
(202) 252-8800

Make checks payable to U.S.  
Government Printing Office

**Energy Information Administration**

Forrestal Building, El-22  
Washington, DC 20585



**OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300**

**FIRST CLASS MAIL**

FIRST CLASS MAIL  
POSTAGE & FEES PAID  
U.S. DEPT. OF ENERGY  
PERMIT NO. G 20