Independent Statistics & Analysis

U.S. Energy Information Administration

Petroleum Marketing Monthly

December 2016

This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

Preface

The *Petroleum Marketing Monthly* (PMM) provides information and statistical data on a variety of crude oils and refined petroleum products. The publication presents statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the f.o.b. and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Refined petroleum product sales data include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. The Office of Petroleum and Biofuels Statistics, U.S. Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the Petroleum Marketing Monthly.

Scope of data

The data within the *Petroleum Marketing Monthly* are compiled from five Energy Information Administration (EIA) survey forms. The crude oil statistics are calculated from data collected on the following three survey forms: Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

The statistics on petroleum product sales prices and volumes are derived from Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

The data presented in Tables 45 to 47 are derived from aggregations of data from Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Sections

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

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

The publication highlights salient statistics for the United States in the Summary Statistics section. More detailed geographic coverage occurs in the other four sections. Geographic coverage for crude oil includes country of origin for foreign crude and Petroleum Administration for Defense (PAD) Districts and individual States for domestic crude oil. Geographic coverage of the petroleum products includes PAD Districts and individual States.

Detailed statistics for crude oil, including the price of imported crude oil by country of origin, by gravity, and by crude stream, can be found in the Crude Oil Prices section.

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

Notes on the tables

- For the crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States

includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.

- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use state abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- Sales of leaded gasoline are a component of averages and totals prior to October 1993.
- References to "Refiners" include gas plant operators (see the Glossary for definition of "Gas plant operators").
- "Prime supplier" refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category "Retail outlet" refers to any company-operated outlet selling gasoline, on-highway diesel fuel, or propane for on-highway vehicle use (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).
- Beginning with the February 2007 data release, EIA revised the table formats and content for the *Petroleum Marketing Monthly* (*PMM*) to eliminate oxygenated gasoline as a separate category and to revise the categories of diesel fuel (i.e., ultra-low sulfur, low sulfur, and high sulfur). In conjunction with these changes, the Total columns in certain PMM tables have been eliminated to help ensure that sensitive data reported to EIA by individual survey respondents may not be closely estimated using the aggregates published by EIA. Refer to the Product Guide for new table numbers.
- As of January 2012, EIA changed the methodology used to calculate the initial price estimates for refiner acquisition costs of crude oil. The price estimate for domestic crude oil comes from a regression model based on West Texas Intermediate (WTI) crude oil spot market prices. The price estimate for imported crude oil comes from a regression model that uses a basket of world crude oil prices. The composite price estimate is a weighted average of the domestic and imported prices based on refinery receipts data found in the *Petroleum Supply Annual*.
- Final revisions to 2010 and 2011 monthly and annual values in Tables 1, 1A, and 18-27 were added to the *Petroleum Marketing Monthly* in the March 2013 issue.
- As of the March 2016 data release, January and February 2016 OPEC and Non-OPEC crude oil prices in Tables 21 and 22 were revised to include Indonesia in OPEC and exclude it from Non-OPEC.

Contents

Preface iii
Highlights vii
Summary Statistics 1
Crude Oil Prices 29
Prices of Petroleum Products 44
Volume of Petroleum Products 57
Prime Supplier Sales Volumes of Petroleum Products for Local Consumption 91

Tables

Table HL1. U.S. refiner prices and volumes of petroleum products viii

Summary Statistics

Table 1. Crude oil prices.... 2
Table 1A. Refiner acquisition cost of crude oil by PAD Districts 4
Table 2. U.S. refiner prices of petroleum products to end users.... 6
Table 3. U.S. refiner volumes of petroleum products to end users 8
Table 4. U.S. refiner prices of petroleum products for resale.... 10
Table 5. U.S. refiner volumes of petroleum sales for resale....12
Table 6. U.S. refiner motor gasoline prices by grade and sales type 14
Table 7. U.S. refiner motor gasoline volumes by grade and sales type.... 16
Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type.... 18
Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type 20
Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type 22
Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type 24
Table 16. U.S. refiner residual fuel oil prices....26
Table 17. U.S. refiner residual fuel oil volumes 27

Crude Oil Prices

Table 18. Domestic crude oil first purchase prices....30
Table 19. Domestic crude oil first purchase prices for selected crude streams 33
Table 20. Domestic crude oil first purchase prices by API gravity 34
Table 21. F.O.B.[a] costs of imported crude oil by selected country 35
Table 22. Landed costs of imported crude oil by selected country 36
Table 23. F.O.B.[a] costs of imported crude oil by API gravity 37
Table 24. Landed costs of imported crude oil by API gravity....38
Table 25. Percentages of imported crude oil by API gravity....39
Table 26. F.O.B.[a] costs of imported crude oil for selected crude streams.... 40
Table 27. Landed costs of imported crude oil for selected crude streams 41

Prices of Petroleum Products

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state....45
Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state.... 49
Table 33. Refiner prices of distillate fuels by PAD District and state 53

Volume of Petroleum Products

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state 58
Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state 66
Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state 78
Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state....82
Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state 86
Table 44. Refiner residual fuel oil and no. 4 fuel volumes by PAD District 90

Prime Supplier Sales Volumes of Petroleum Products for Local Consumption

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state.... 92
Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state 100
Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state....104

Figures

Figure 1. Crude oil prices....3
Figure 2. U.S. Refiner retail petroleum product prices 7
Figure 3. U.S. Refiner retail petroleum product volumes 9
Figure 4. U.S. Refiner wholesale petroleum product prices 11
Figure 5. U.S. Refiner wholesale petroleum product volumes....13
Figure 7. U.S. Refiner residual fuel oil prices and volumes 28

Highlights

Crude oil

- Monthly average crude oil prices show mixed changes in September. The average domestic crude oil first purchase price rose 8 cents (0.2%), to $40.54 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil fell 4 cents (0.1%) to $38.18 per barrel. The average landed cost of foreign crude oil decreased 12 cents (0.3%), to $39.99 per barrel.
- The average refiner acquisition cost for domestic crude oil rose 36 cents (0.8%), to $44.54 per barrel. The average cost of imported crude oil declined 39 cents (0.9%), to $40.82 per barrel. The composite refiner acquisition cost for crude oil increased 4 cents (0.1%), to $42.74 per barrel.

Petroleum products

Motor gasoline

- September monthly average prices for refiner sales of motor gasoline rose from August levels. The average retail price rose 3.4 cents to $1.788 per gallon, while the average wholesale price increased 0.6 cent to $1.514 per gallon.
- Refiner sales of finished motor gasoline fell in September. Total sales declined 7.1 million gallons per day (2.1%) to an average of 334.2 million gallons per day. Retail sales decreased 100,000 gallons per day (0.4%), while wholesales fell 7.0 million gallons per day (2.2%). DTW sales accounted for 7.6% of wholesales, while rack and bulk sales made up 85.0% and 7.5%, respectively.

No. 2 distillate

- Monthly average prices for refiner sales of No. 2 distillates increased in September. The average price for No. 2 diesel fuel sold to end users rose 2.5 cents to $1.602 per gallon, while the average wholesale price increased 3.1 cents to $1.471 per gallon. The average wholesale price for No. 2 fuel oil climbed 3.4 cents to $1.341 per gallon.
- Refiner sales of No. 2 ultra-low sulfur diesel fuel dropped in September. Retail sales fell 400,000 gallons per day (3.0%), while wholesales decreased 700,000 gallons per day (0.5%).

Residual Fuel Oil

- Monthly average prices for residual fuel oil sold by refiners climbed in September. The wholesale price for low-sulfur residual fuel oil rose 1.0 cent to 85.2 cents per gallon. Prices for high-sulfur residual fuel oil increased 13.3 cents to $1.057 per gallon at retail, while the wholesale price rose 4.0 cents to 85.1 cents per gallon.
- Sales of residual fuel oil by refiners were mixed in September. Retail sales rose 400,000 gallons per day (9.1%), while wholesales declined 1.0 million gallons per day (12.3%).

Other products

- Changes in monthly average prices for refiner sales of the remaining surveyed products varied in September. Propane and kerosene-type jet fuel prices increased at both the retail and wholesale levels. No. 1 distillate prices also rose at retail, but fell at wholesale. The wholesale price for aviation gasoline increased, while the price for kerosene eased in the same sales category.
- Refiner sales of products included in this section show mixed trends in September. Propane sales fell at both the retail and wholesale levels, while sales of No. 1 distillate did the opposite. Kerosene-type jet fuel sales declined at the retail, but rose at wholesale. Aviation gasoline and kerosene sales fell at the wholesale level.

Table HL1. U.S. refiner prices and volumes of petroleum products

prices: dollars per gallon excluding taxes, volumes: million gallons per day

	Sales to end users						Sales for resale					
	September 2016		August 2016		September 2015		September 2016		August 2016		September 2015	
Products	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	1.788	26.4	1.754	26.5	1.920	25.7	1.514	307.8	1.508	314.8	1.609	303.7
Conventional	1.708	16.9	1.682	17.1	1.785	16.4	1.480	208.6	1.487	214.4	1.553	206.7
Regular	1.660	14.8	1.636	14.9	1.743	14.4	1.441	186.1	1.449	191.0	1.508	184.5
Midgrade	1.906	0.9	1.866	0.9	1.985	0.9	1.629	1.8	1.635	1.9	1.725	2.0
Premium	2.137	1.2	2.099	1.2	2.158	1.2	1.817	20.8	1.812	21.4	1.946	20.2
Reformulated	1.931	9.5	1.885	9.5	2.155	9.4	1.585	99.2	1.553	100.4	1.728	97.0
Regular	1.838	6.9	1.796	6.8	2.058	6.9	1.531	82.5	1.502	83.2	1.666	81.0
Midgrade	2.076	1.0	2.018	1.0	2.358	0.9	1.687	1.0	1.641	1.1	1.847	1.1
Premium	2.228	1.7	2.172	1.6	2.472	1.5	1.860	15.7	1.807	16.2	2.052	14.9
Aviation gasoline	W	W	W	W	W	W	2.506	0.4	2.405	0.6	2.586	0.5
Kerosene-type jet fuel	1.389	31.8	1.330	32.7	1.465	33.2	1.366	32.0	1.313	31.8	1.443	30.0
Propane (consumer grade)	0.507	6.3	0.460	6.9	0.468	5.2	0.494	28.4	0.453	29.2	0.469	32.1
Kerosene	W	W	W	W	2.996	0.0	1.402	1.0	1.408	1.5	1.509	1.1
No. 1 distillate	1.977	0.0	1.890	0.0	W	W	1.743	0.5	1.759	0.2	1.902	0.5
No. 2 distillate	1.603	13.3	1.578	13.7	1.694	13.4	1.467	148.3	1.437	146.1	1.549	156.2
No. 2 fuel oil	1.805	0.1	NA	0.1	1.949	0.1	1.341	5.2	1.307	3.8	1.438	3.7
No. 2 diesel fuel	1.602	13.2	1.577	13.6	1.693	13.3	1.471	143.1	1.440	142.3	1.551	152.5
Ultra low sulfur	1.605	12.9	1.578	13.3	1.699	12.6	1.475	139.2	1.441	139.9	1.554	150.0
Low sulfur	W	W	W	W	W	W	W	W	W	W	W	W
High sulfur	W	W	W	W	W	W	W	W	W	W	W	W
No. 4 fuel[a]	W	W	W	W	W	W	W	W	W	W	1.123	0.1
Residential fuel oil	1.074	4.8	0.990	4.4	1.107	4.5	0.851	7.1	0.815	8.1	0.852	8.1
Sulfur content not > 1%	W	W	W	W	W	W	0.852	0.5	0.842	0.9	0.819	0.9
Sulfur content > 1%	1.057	W	0.924	W	1.063	W	0.851	6.6	0.811	7.2	0.856	7.2

NA = Not available.

- = No data reported.

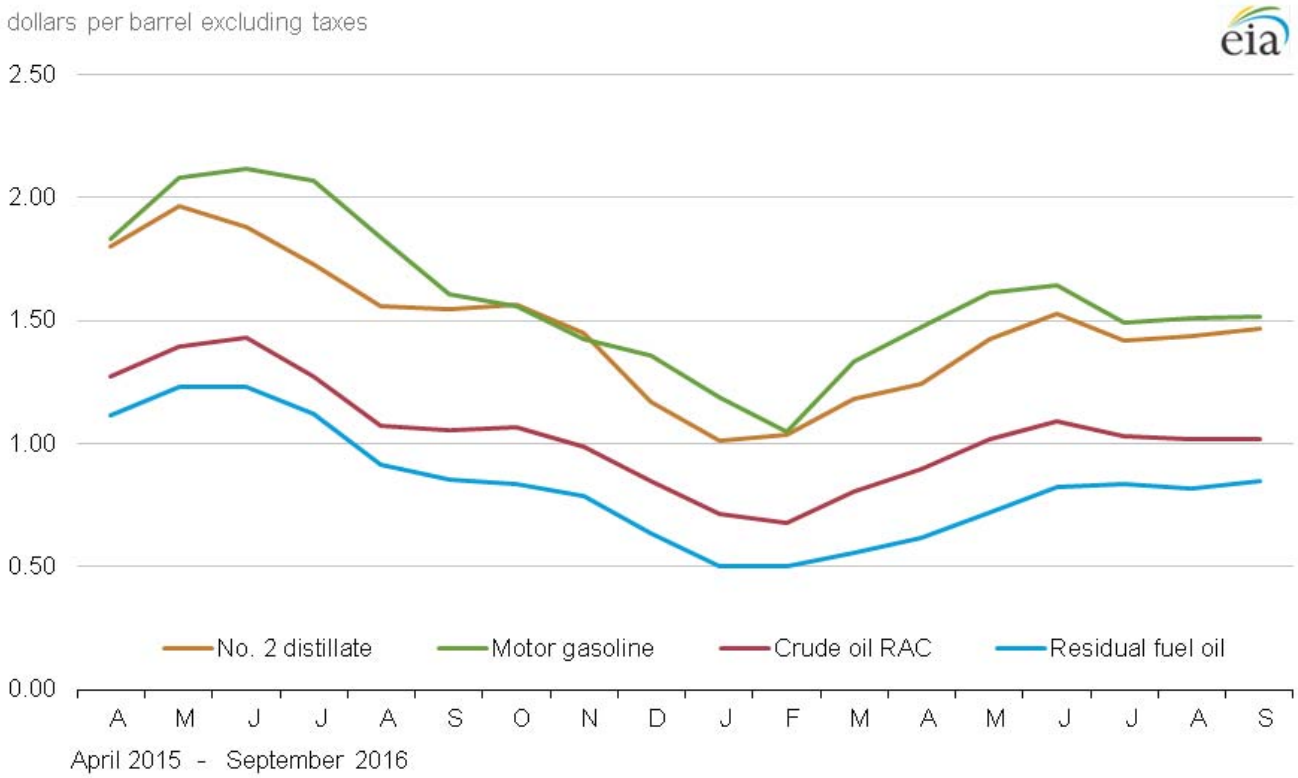
W = Withheld to avoid disclosure of individual company data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2013 are final. Total volumes may not equal the sum of the components due to rounding

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

Figure HL1. Crude oil and petroleum product wholesale prices



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

Summary Statistics

Table 1. Crude oil prices

dollars per barrel

Year month	Domestic first purchase prices	Average F.O.B.[a] cost of crude oil imports[b]	Average landed cost of crude oil imports[b]	Refiner acquisition cost of crude oil		
				Domestic	Imported	Composite
1996 average	18.46	19.32	20.31	20.77	20.64	20.71
1997 average	17.23	16.94	18.11	19.61	18.53	19.04
1998 average	10.87	10.76	11.84	13.18	12.04	12.52
1999 average	15.56	16.47	17.23	17.90	17.26	17.51
2000 average	26.72	26.27	27.53	29.11	27.70	28.26
2001 average	21.84	20.46	21.82	24.33	22.00	22.95
2002 average	22.51	22.63	23.91	24.65	23.71	24.10
2003 average	27.56	25.86	27.69	29.82	27.71	28.53
2004 average	36.77	33.75	36.07	38.97	35.90	36.98
2005 average	50.28	47.60	49.29	52.94	48.86	50.24
2006 average	59.69	57.03	59.11	62.62	59.02	60.24
2007 average	66.52	66.36	67.97	69.65	67.04	67.94
2008 average	94.04	90.32	93.33	98.47	92.77	94.74
2009 average	56.35	57.78	60.23	59.49	59.17	59.29
2010 average	74.71	74.19	76.50	78.01	75.86	76.69
2011 average	95.73	101.66	102.92	100.71	102.63	101.87
2012 average	94.52	99.78	101.00	100.72	101.09	100.93
2013 average	95.99	96.56	96.99	102.91	98.11	100.49
2014						
January	89.57	90.93	90.97	97.21	89.71	93.58
February	96.86	92.76	95.38	102.35	96.10	99.36
March	96.17	93.05	95.54	102.61	97.13	100.09
April	96.49	94.15	96.51	102.53	97.33	100.15
May	95.74	96.16	97.99	102.40	98.46	100.61
June	98.68	97.57	99.27	104.21	100.26	102.51
July	96.70	93.79	96.59	103.21	98.75	101.22
August	90.72	89.28	91.53	97.60	93.23	95.61
September	86.87	85.26	87.31	94.62	89.38	92.26
October	78.84	76.73	80.13	86.73	82.75	84.99
November	71.07	67.48	70.94	76.67	74.34	75.66
December	54.86	50.01	54.86	63.26	57.36	60.70
2014 average	87.39	85.65	88.16	94.05	89.56	92.02
2015						
January	43.06	40.16	44.42	48.90	44.74	47.00
February	44.35	43.94	47.32	50.23	47.18	48.92
March	42.66	43.64	47.25	48.60	47.22	47.99
April	49.30	48.42	52.00	54.86	51.62	53.51
May	54.38	54.05	57.17	59.48	57.51	58.65
June	55.88	53.83	56.73	61.06	58.89	60.12
July	47.70	45.88	49.79	54.15	52.42	53.40
August	39.98	37.17	41.39	46.30	43.23	44.97
September	41.60	36.90	40.02	46.68	41.12	44.38
October	42.34	37.21	40.38	47.02	42.03	44.77
November	38.19	33.56	37.13	43.30	39.05	41.43
December	32.26	28.23	31.56	37.76	33.16	35.63
2015 average	44.39	41.91	45.38	49.94	46.38	48.39
2016						
January	27.02	23.56	27.34	32.17	27.48	29.99
February	25.51	24.68	26.97	30.30	26.61	28.53
March	31.87	29.73	31.99	35.31	32.21	33.82
April	35.59	32.76	35.42	39.30	35.90	37.71
May	41.02	38.32	40.73	44.77	40.88	42.88
June	43.96	41.92	43.55	47.57	44.13	45.96
July	40.70	R38.76	R41.03	44.88	41.48	43.26
August	40.46	R38.22	R40.11	44.18	41.21	42.70
September	40.54	38.18	39.99	R44.54	R40.82	R42.74
October [c]	NA	NA	NA	E48.19	E43.61	E46.23

NA = Not available.

E = Estimated data.

R = Revised data.

[a] Free on Board. See Glossary.

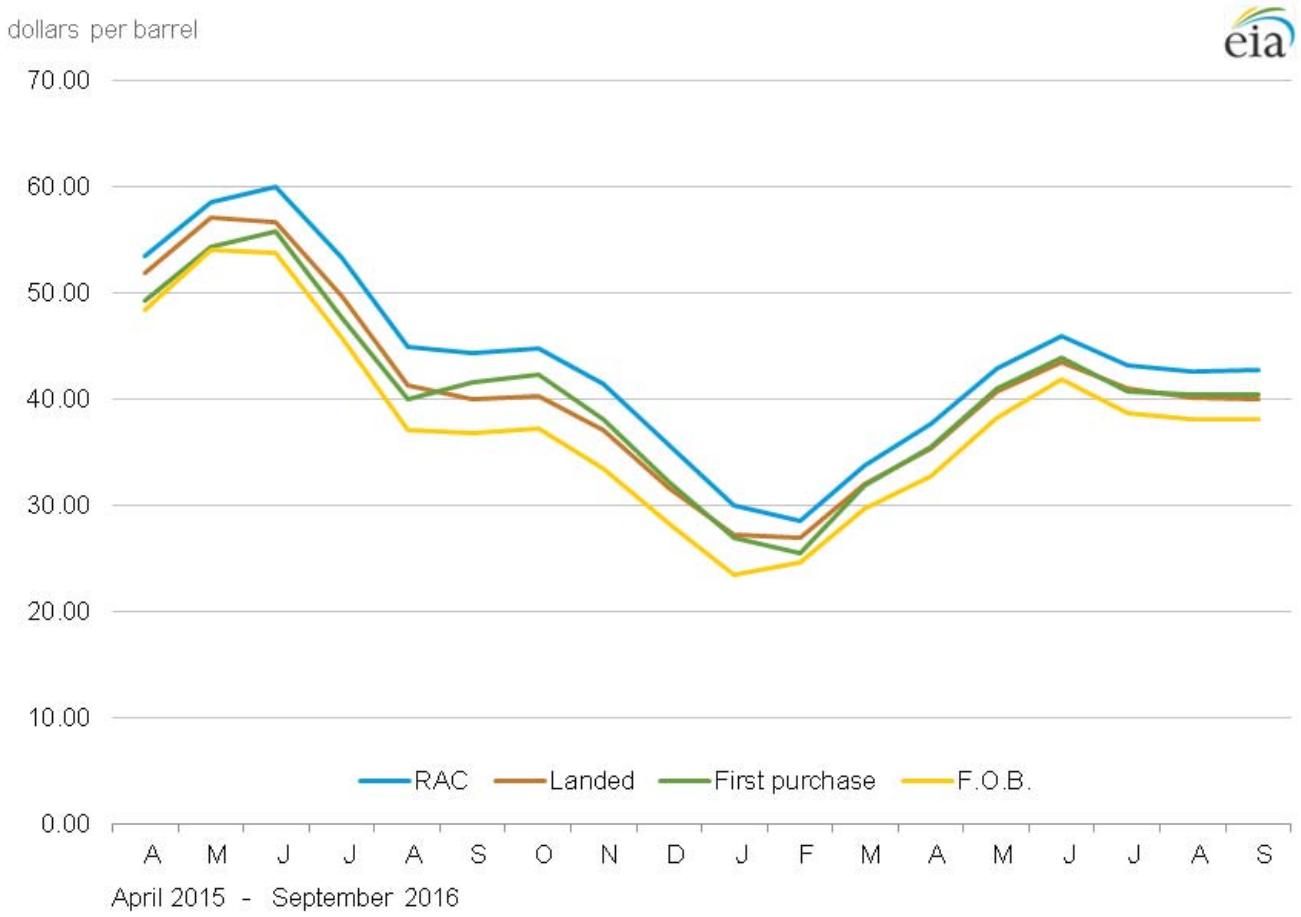
[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

[c] Data are initial estimates calculated using regression models based on past and present values, spot prices and other internally computed data. For an explanation of estimation methodology, see the Preface.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values for Domestic First Purchase Price and Refiner Acquisition Cost for the current 2 months, and for Average F.O.B. and Average Landed Costs, for the current 3 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: Domestic first purchase prices -- See "Source" from Table 18. Crude oil imports costs -- See "Sources" from Table 21. Refiner acquisition costs -- U.S. Energy Information Administration, Form EIA-14, "Refiners' Monthly Cost Report."

Figure 1. Crude oil prices



Sources: U.S. Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."
Note: RAC stands for refiner acquisition cost.

Table 1A. Refiner acquisition cost of crude oil by PAD Districts

dollars per barrel

	U.S.			PAD District 1			PAD District 2		
Year month	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	38.97	35.90	36.98	40.75	38.29	38.34	40.80	35.63	38.38
2005	52.94	48.86	50.24	56.89	53.29	53.35	54.57	46.11	50.75
2006	62.62	59.02	60.24	66.92	63.53	63.60	63.66	55.19	59.70
2007	69.65	67.04	67.94	70.62	72.48	72.44	71.10	62.17	66.90
2008	98.47	92.77	94.74	100.30	96.90	96.97	100.98	88.45	94.93
2009	59.49	59.17	59.29	59.64	61.68	61.63	60.00	57.00	58.64
2010	78.01	75.86	76.69	75.90	80.03	79.91	78.85	72.24	75.92
2011	100.71	102.63	101.87	98.88	111.53	111.01	96.81	89.15	93.18
2012	100.72	101.09	100.93	104.45	112.27	111.50	95.04	83.90	89.44
2013	102.91	98.11	100.49	106.98	106.74	106.80	100.63	85.43	93.26
2014									
January	97.21	89.71	93.58	100.42	102.14	101.37	94.25	75.58	85.08
February	102.35	96.10	99.36	103.88	103.59	103.70	100.25	86.43	93.41
March	102.61	97.13	100.09	105.77	104.36	104.97	101.08	89.49	95.30
April	102.53	97.33	100.15	105.99	105.62	105.78	100.89	88.05	94.49
May	102.40	98.46	100.61	107.90	105.64	106.55	101.81	90.09	96.17
June	104.21	100.26	102.51	110.16	106.10	107.74	103.68	93.44	98.83
July	103.21	98.75	101.22	108.38	103.98	105.88	102.42	91.08	96.89
August	97.60	93.23	95.61	101.00	99.21	100.00	95.90	83.12	89.64
September	94.62	89.38	92.26	97.36	93.81	95.36	92.63	81.62	87.44
October	86.73	82.75	84.99	89.89	86.65	88.23	84.53	77.78	81.15
November	76.67	74.34	75.66	80.36	78.20	79.16	77.52	71.24	74.55
December	63.26	57.36	60.70	64.70	64.38	64.54	61.41	52.59	57.03
2014	94.05	89.56	92.02	96.95	96.51	96.70	93.08	81.66	87.51
2015									
January	48.90	44.74	47.00	52.45	50.72	51.64	48.86	41.14	44.51
February	50.23	47.18	48.92	53.37	51.94	52.67	49.56	42.32	45.88
March	48.60	47.22	47.99	51.93	51.95	51.94	47.30	41.44	44.47
April	54.86	51.62	53.51	58.93	55.18	57.13	52.79	46.13	49.74
May	59.48	57.51	58.65	62.95	59.39	61.11	58.11	52.92	55.68
June	61.06	58.89	60.12	63.62	60.58	61.83	59.76	56.42	58.24
July	54.15	52.42	53.40	54.90	57.54	56.49	52.90	50.43	51.73
August	46.30	43.23	44.97	46.69	49.04	48.17	44.94	39.14	42.15
September	46.68	41.12	44.38	47.77	45.58	46.66	46.43	35.66	41.47
October	47.02	42.03	44.77	49.84	44.26	46.53	47.11	38.97	43.48
November	43.30	39.05	41.43	45.46	44.13	44.64	43.78	36.25	40.16
December	37.76	33.16	35.63	39.41	39.07	39.19	37.92	30.62	34.29
2015	49.94	46.38	48.39	52.60	50.40	51.37	49.33	42.70	46.13
2016									
January	32.17	27.48	29.99	33.12	31.44	32.02	32.47	25.60	28.85
February	30.30	26.61	28.53	32.90	30.86	31.36	30.65	24.00	27.01
March	35.31	32.21	33.82	39.12	36.17	36.91	36.37	29.60	32.80
April	39.30	35.90	37.71	43.85	39.19	40.32	40.29	34.08	37.04
May	44.77	40.88	42.88	49.14	43.95	45.24	46.03	38.48	42.47
June	47.57	44.13	45.96	50.67	47.17	48.12	49.34	41.86	45.81
July	44.88	41.48	43.26	48.37	45.03	45.61	45.70	39.13	42.60
August	44.18	41.21	42.70	48.18	45.15	45.63	45.57	38.43	42.10
September	R44.54	R40.82	R42.74	47.53	44.41	45.11	45.59	37.75	41.81

See footnotes at end of table.

Table 1A. Refiner acquisition cost of crude oil by PAD Districts (cont.)

dollars per barrel

	PAD District 3			PAD District 4			PAD District 5		
Year month	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	39.28	34.79	35.87	39.98	35.93	37.81	36.81	38.20	37.30
2005	53.17	47.77	48.99	53.50	48.54	50.89	50.61	50.77	50.67
2006	63.17	58.34	59.54	60.80	56.17	58.45	60.90	61.44	61.15
2007	70.58	66.34	67.48	65.79	60.81	63.43	67.47	69.42	68.34
2008	100.39	91.86	94.11	91.49	88.56	90.12	94.53	96.30	95.35
2009	60.61	59.21	59.64	56.30	56.53	56.39	57.79	60.07	58.78
2010	78.73	75.67	76.65	73.56	70.77	72.37	76.56	78.23	77.34
2011	103.24	104.78	104.24	89.34	84.87	87.61	103.83	105.68	104.73
2012	104.32	105.18	104.83	86.83	80.80	84.63	103.03	106.43	104.69
2013	104.64	101.42	103.02	88.96	80.75	85.21	103.82	105.12	104.40
2014									
January	98.26	93.60	96.04	84.71	70.60	77.56	99.66	97.31	98.56
February	103.83	98.18	101.27	93.44	85.64	89.56	101.78	102.10	101.92
March	102.94	97.51	100.64	92.10	85.43	88.81	104.64	105.09	104.85
April	103.17	98.54	101.14	92.35	86.57	89.88	103.66	105.41	104.39
May	101.83	100.02	101.04	93.61	88.77	91.38	105.20	104.47	104.90
June	104.46	101.44	103.27	97.35	92.05	95.47	104.01	105.62	104.70
July	103.31	100.39	102.12	93.51	88.16	91.08	104.45	104.84	104.63
August	98.43	95.66	97.30	86.93	81.17	84.23	98.57	99.88	99.25
September	95.99	90.90	93.90	84.40	79.99	82.32	94.21	95.76	94.97
October	88.64	82.95	86.43	77.06	74.99	76.13	83.74	88.93	86.17
November	76.34	74.03	75.40	71.32	68.05	69.87	76.79	79.13	77.77
December	65.71	57.54	62.45	52.13	49.62	50.98	59.00	63.01	60.72
2014	94.67	90.84	93.06	84.63	78.73	81.93	94.45	96.13	95.22
2015									
January	49.11	45.46	47.62	41.14	36.20	38.77	48.61	49.03	48.80
February	50.01	48.09	49.24	45.05	39.66	42.52	51.99	52.78	52.31
March	49.02	48.33	48.74	42.43	38.15	40.32	49.09	52.78	50.77
April	55.40	52.56	54.30	47.72	44.57	46.25	55.81	57.47	56.53
May	59.46	58.41	59.07	54.42	50.62	52.61	61.54	62.65	62.07
June	61.68	58.84	60.58	54.68	55.25	54.94	61.35	62.34	61.83
July	54.86	51.58	53.67	48.76	48.19	48.48	54.37	55.50	54.95
August	47.15	42.87	45.65	40.16	35.58	37.87	46.08	47.52	46.85
September	46.71	41.31	44.82	42.08	32.48	37.12	47.67	47.09	47.37
October	46.86	41.33	44.65	43.98	37.26	40.39	47.30	46.74	47.01
November	43.14	38.25	41.31	40.49	34.01	37.16	43.28	43.29	43.28
December	37.94	32.18	35.54	34.68	28.70	31.54	37.06	37.35	37.20
2015	50.16	46.49	48.75	44.77	39.73	42.28	50.30	50.91	50.59
2016									
January	32.48	26.96	30.31	29.77	23.46	26.50	30.82	30.56	30.69
February	30.23	26.16	28.53	28.49	20.75	24.75	30.09	30.80	30.43
March	34.37	31.61	33.17	36.04	27.85	32.35	36.59	36.03	36.32
April	38.65	34.49	37.05	39.41	33.72	36.59	39.69	39.66	39.67
May	43.96	39.63	42.13	44.71	36.54	40.77	45.13	45.37	45.27
June	47.03	43.73	45.68	47.33	39.53	43.74	46.45	47.18	46.85
July	44.82	40.91	43.23	44.15	37.09	40.78	43.45	44.35	43.95
August	44.23	40.99	42.78	38.63	37.08	37.94	43.13	43.37	43.26
September	44.11	40.77	42.67	43.71	36.49	40.22	44.40	44.05	44.21

R = Revised data.

Notes: - U.S. is defined as the 50 states, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. Values reflect the PAD District in which the crude oil is intended to be refined. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-14, "Refiners' Monthly Cost Report," January 2004 to present."

Table 2. U.S. refiner prices of petroleum products to end users

dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate: No. 2 diesel fuel	No. 2 distillate: No. 2 fuel oil	No. 2 distillate: Average	No. 4 fuel[a]	Residual fuel oil
1985	0.912	1.201	0.796	0.717	1.030	0.880	0.789	0.849	0.799	0.773	0.610
1986	0.624	1.011	0.529	0.745	0.790	0.620	0.478	0.560	0.491	0.489	0.343
1987	0.669	0.907	0.543	0.701	0.770	0.604	0.551	0.581	0.556	0.513	0.423
1988	0.673	0.891	0.513	0.714	0.738	0.564	0.500	0.544	0.507	0.461	0.334
1989	0.756	0.995	0.592	0.615	0.709	0.661	0.585	0.587	0.585	0.512	0.385
1990	0.883	1.120	0.766	0.745	0.923	0.819	0.725	0.734	0.726	0.622	0.444
1991	0.797	1.047	0.652	0.730	0.838	0.740	0.648	0.665	0.650	0.580	0.340
1992	0.787	1.027	0.610	0.643	0.788	0.666	0.619	0.627	0.620	0.526	0.336
1993	0.759	0.990	0.580	0.673	0.754	0.666	0.602	0.602	0.602	0.501	0.337
1994	0.738	0.957	0.534	0.530	0.660	0.640	0.554	0.572	0.556	0.501	0.352
1995	0.765	1.005	0.540	0.492	0.589	0.620	0.560	0.562	0.560	0.505	0.392
1996	0.847	1.116	0.651	0.605	0.740	0.726	0.681	0.673	0.680	0.603	0.455
1997	0.839	1.128	0.613	0.552	0.745	0.689	0.642	0.636	0.642	0.565	0.423
1998	0.673	0.975	0.452	0.405	0.501	0.551	0.494	0.482	0.492	0.428	0.305
1999	0.781	1.059	0.543	0.458	0.605	0.621	0.584	0.558	0.580	0.474	0.374
2000	1.106	1.306	0.899	0.603	1.123	0.988	0.935	0.927	0.934	0.769	0.602
2001	1.032	1.323	0.775	0.506	1.045	0.902	0.842	0.829	0.840	0.679	0.531
2002	0.947	1.288	0.721	0.419	0.990	0.828	0.762	0.737	0.759	0.657	0.569
2003	1.156	1.493	0.872	0.577	1.224	1.017	0.944	0.933	0.942	0.856	0.698
2004	1.435	1.819	1.207	0.839	1.160	1.262	1.243	1.173	1.235	1.017	0.739
2005	1.829	2.231	1.735	1.089	1.957	1.832	1.786	1.705	1.777	W	1.048
2006	2.128	2.682	1.998	1.358	2.244	2.137	2.096	1.982	2.091	W	1.218
2007	2.345	2.849	2.165	1.489	2.263	2.286	2.267	2.241	2.266	W	1.374
2008	2.775	3.273	3.052	1.892	3.283	2.983	3.150	2.986	3.143	W	1.964
2009	1.888	2.442	1.704	1.220	2.675	2.141	1.834	1.962	1.840	W	1.341
2010	2.301	3.028	2.201	1.481	3.063	2.705	2.314	2.462	2.318	W	1.713
2011	3.050	3.803	3.054	1.709	3.616	3.467	3.117	3.193	3.119	W	2.401
2012	3.154	3.971	3.104	1.139	3.843	3.580	3.202	3.358	3.206	W	2.592
2013	3.049	3.932	2.979	1.028	3.842	3.483	3.122	3.335	3.126	W	2.482
2014	2.855	3.986	2.772	1.097	W	3.117	2.923	3.329	2.924	W	2.325
2015											
January	1.673	W	1.633	0.566	W	1.925	1.819	NA	1.823	-	1.264
February	1.858	W	1.747	0.671	W	2.027	1.979	2.204	1.981	-	1.376
March	2.054	W	1.766	0.619	W	NA	1.962	2.141	1.963	-	1.465
April	2.058	W	1.739	0.575	W	W	1.939	NA	1.941	W	1.516
May	2.322	W	1.979	0.465	W	W	2.090	2.308	2.092	W	1.543
June	2.374	W	1.855	0.393	W	W	2.021	2.321	2.022	W	1.549
July	2.338	W	1.694	0.405	W	W	1.913	2.207	1.914	W	1.363
August	2.218	W	1.516	0.387	W	W	1.737	2.046	1.739	W	1.207
September	1.920	W	1.465	0.468	2.996	W	1.693	1.949	1.694	W	1.107
October	1.849	W	1.473	0.479	W	1.774	1.702	NA	1.703	-	1.094
November	1.711	W	1.424	0.447	W	NA	1.603	1.814	1.606	-	1.043
December	1.604	W	1.232	0.422	W	NA	1.365	1.695	1.368	-	0.919
2015	2.003	W	1.629	0.481	W	1.822	1.819	2.016	1.821	W	1.285
2016											
January	1.505	W	1.038	0.377	W	NA	1.198	1.450	1.201	W	0.710
February	1.332	W	1.032	0.409	W	NA	1.185	1.407	1.187	-	0.632
March	1.552	W	1.133	0.481	W	1.610	1.317	1.555	1.318	-	0.693
April	1.725	W	1.187	0.472	W	1.706	1.386	1.631	1.388	W	0.782
May	1.869	W	1.342	0.533	W	W	1.555	1.733	1.555	-	0.922
June	1.961	W	1.464	0.514	W	2.041	1.661	1.861	1.662	W	0.983
July	1.804	W	1.393	0.491	W	1.911	1.577	1.814	1.578	W	1.030
August	1.754	W	1.330	0.460	W	1.890	1.577	NA	1.578	W	0.990
September	1.788	W	1.389	0.507	W	1.977	1.602	1.805	1.603	W	1.074

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

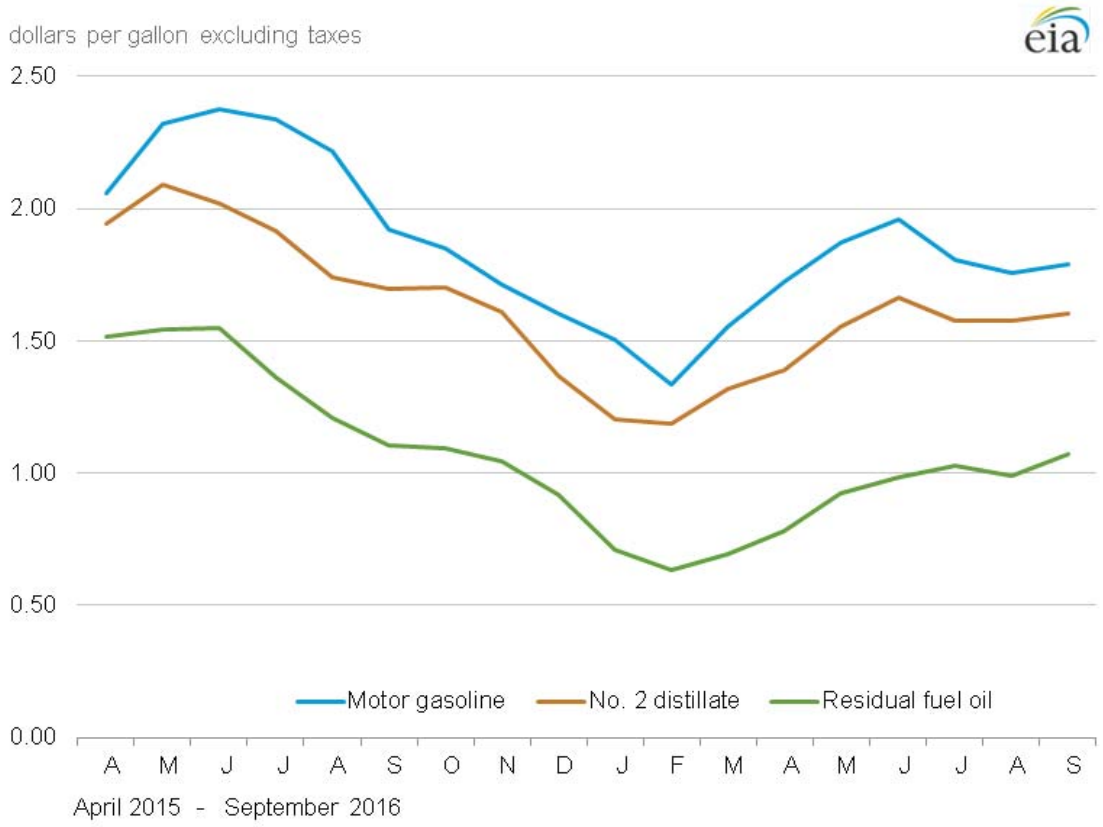
R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

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

Figure 2. U.S. Refiner retail petroleum product prices



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

Table 3. U.S. refiner volumes of petroleum products to end users

million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate: No. 2 diesel fuel	No. 2 distillate: No. 2 fuel oil	No. 2 distillate: Average	No. 4 fuel[a]	Residual fuel oil
1985	57.5	0.3	34.6	3.7	0.3	0.5	25.0	5.0	29.9	0.5	25.2
1986	61.2	0.3	35.1	3.4	0.3	0.4	24.4	4.4	28.8	0.7	31.6
1987	61.0	0.2	36.8	3.8	0.3	0.4	24.1	4.5	28.5	0.8	29.0
1988	61.0	0.2	38.2	4.3	0.3	0.4	24.5	4.6	29.1	1.1	30.2
1989	61.2	0.2	40.1	2.8	0.3	0.5	24.3	4.5	28.8	0.9	30.4
1990	60.3	0.2	39.9	2.7	0.2	0.5	22.2	3.6	25.9	0.8	25.9
1991	61.2	0.2	38.5	3.1	0.2	0.5	21.1	3.2	24.4	0.7	24.0
1992	59.0	0.2	39.8	3.8	0.2	0.5	21.5	3.1	24.6	0.6	22.4
1993	57.2	0.2	41.7	3.5	0.2	0.4	20.8	2.9	23.8	0.6	17.2
1994	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
1995	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
1996	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
1997	61.1	0.2	49.7	3.2	0.3	0.4	22.0	3.0	25.0	0.3	13.4
1998	63.3	0.2	48.9	3.1	0.4	0.4	21.1	3.2	24.3	0.3	14.4
1999	62.0	0.1	47.0	3.6	0.2	0.3	21.1	3.0	24.1	0.3	13.9
2000	60.9	0.2	49.3	2.9	0.2	0.3	22.6	2.8	25.4	0.3	13.1
2001	62.0	0.1	49.7	3.6	0.2	0.3	22.9	3.0	26.0	0.4	14.8
2002	63.6	0.1	49.1	2.6	0.1	0.3	19.6	3.0	22.6	0.4	10.4
2003	63.8	0.1	44.0	2.5	0.1	0.3	16.7	2.7	19.5	0.3	10.7
2004	58.4	0.1	46.4	2.7	0.5	0.2	16.9	2.4	19.3	0.3	10.2
2005	59.0	0.1	45.2	3.2	0.1	0.3	17.0	2.1	19.1	W	10.4
2006	60.0	0.1	42.1	2.7	0.1	0.2	24.2	1.2	25.4	W	10.4
2007	57.7	0.1	40.1	3.3	0.1	0.2	23.6	0.8	24.3	W	10.9
2008	55.1	0.1	39.9	2.7	NA	0.1	19.9	0.9	20.8	W	8.4
2009	49.8	0.2	38.0	3.7	NA	0.1	16.9	0.9	17.8	W	8.5
2010	44.7	0.1	34.8	3.9	0.0	0.1	15.3	0.4	15.8	W	7.6
2011	39.0	0.1	33.3	4.5	0.0	0.1	13.4	0.4	13.8	W	6.4
2012	29.7	0.1	32.5	5.6	0.0	0.1	12.2	0.3	12.5	W	5.5
2013	24.7	0.0	31.4	5.3	0.0	0.1	11.5	0.2	11.7	W	5.2
2014	21.6	0.0	31.3	4.9	W	0.1	11.9	0.1	11.9	W	4.6
2015											
January	24.2	W	30.9	5.3	W	0.2	12.8	0.1	13.0	-	3.6
February	24.6	W	32.4	5.6	W	0.2	13.0	0.1	13.1	-	3.7
March	24.8	W	31.3	4.3	W	NA	12.9	0.1	13.0	-	3.5
April	25.4	W	33.4	4.3	W	W	12.5	0.1	12.6	W	4.6
May	25.9	W	34.9	6.4	W	W	11.7	0.1	11.8	W	3.9
June	26.0	W	36.1	5.8	W	W	13.1	0.0	13.1	W	4.6
July	26.3	W	36.1	6.3	W	W	12.8	0.0	12.8	W	3.6
August	26.0	W	34.8	7.8	W	W	12.9	0.1	13.0	W	4.3
September	25.7	W	33.2	5.2	0.0	W	13.3	0.1	13.4	W	4.5
October	25.9	W	32.6	4.2	W	0.1	12.6	0.2	12.7	-	3.7
November	25.2	W	32.5	5.9	W	NA	12.4	0.1	12.5	-	4.4
December	25.3	W	33.0	5.7	W	NA	11.7	0.1	11.8	-	4.0
2015	25.5	W	33.4	5.6	W	0.1	12.6	0.1	12.7	W	4.0
2016											
January	24.4	W	31.0	8.6	W	NA	12.1	0.1	12.2	W	4.1
February	25.2	W	28.5	7.4	W	NA	12.6	0.1	12.8	-	3.9
March	25.2	W	30.8	6.1	W	0.1	12.2	0.1	12.3	-	4.1
April	25.9	W	30.6	5.8	W	0.1	12.1	0.1	12.1	W	4.2
May	26.0	W	30.9	5.5	W	W	12.5	0.1	12.5	-	3.9
June	26.7	W	32.7	6.0	W	0.0	12.5	0.1	12.6	W	3.8
July	26.3	W	32.1	4.2	W	0.0	12.6	0.0	12.6	W	4.3
August	26.5	W	R32.7	6.9	W	0.0	R13.6	0.1	13.7	W	4.4
September	26.4	W	31.8	6.3	W	0.0	13.2	0.1	13.3	W	4.8

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

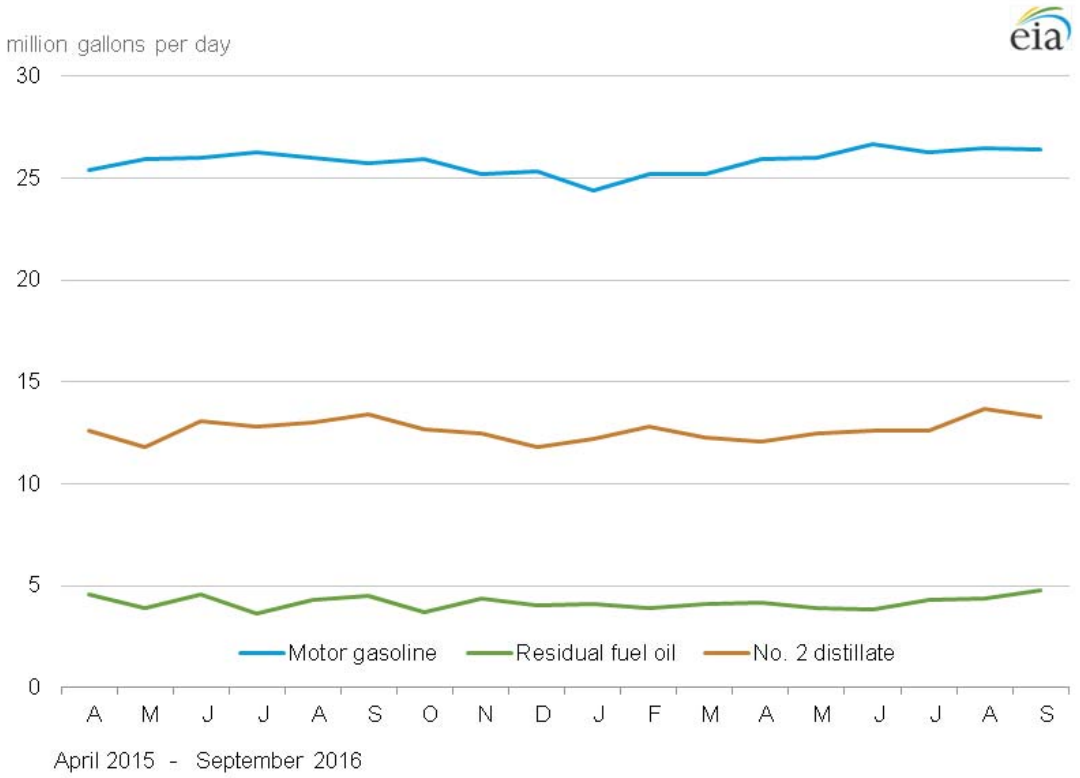
R = Revised data.

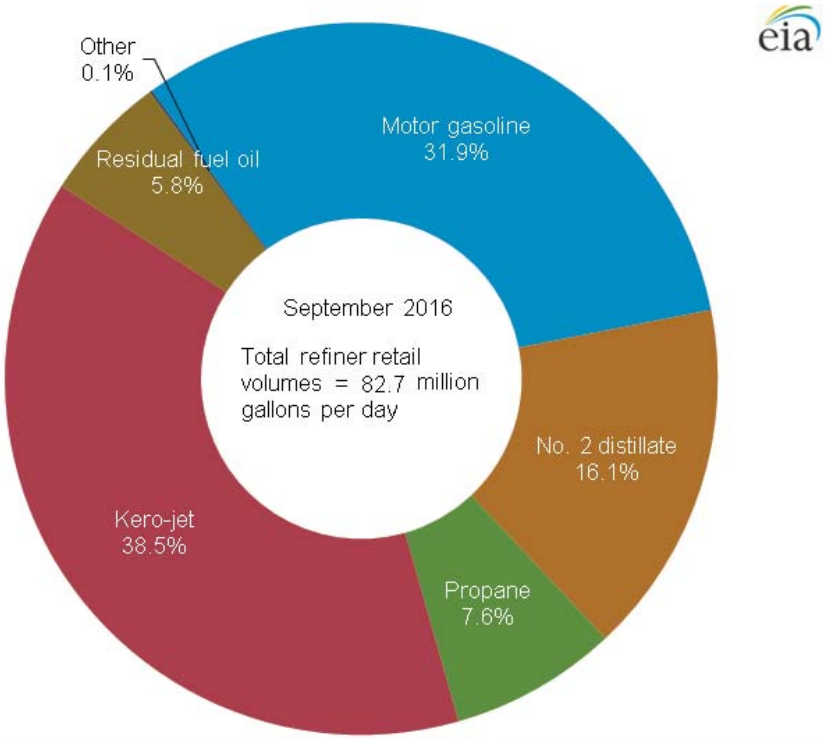
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Figure 3. U.S. Refiner retail petroleum product volumes





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

Table 4. U.S. refiner prices of petroleum products for resale

dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate: No. 2 diesel fuel	No. 2 distillate: No. 2 fuel oil	No. 2 distillate: Average	No. 4 fuel[a]	Residual fuel oil
1985	0.835	1.130	0.794	0.398	0.874	0.863	0.772	0.776	0.774	0.672	0.577
1986	0.531	0.912	0.495	0.290	0.606	0.579	0.452	0.486	0.470	0.409	0.305
1987	0.589	0.859	0.538	0.252	0.592	0.599	0.534	0.527	0.531	0.462	0.385
1988	0.577	0.850	0.495	0.240	0.549	0.549	0.473	0.473	0.473	0.425	0.300
1989	0.654	0.950	0.583	0.247	0.669	0.668	0.567	0.565	0.566	0.480	0.360
1990	0.786	1.063	0.773	0.386	0.839	0.838	0.694	0.697	0.695	0.590	0.413
1991	0.699	1.001	0.650	0.349	0.723	0.730	0.615	0.622	0.618	0.556	0.314
1992	0.677	0.991	0.605	0.328	0.632	0.652	0.591	0.579	0.585	0.495	0.308
1993	0.626	0.965	0.577	0.351	0.604	0.646	0.570	0.544	0.559	0.488	0.293
1994	0.599	0.933	0.534	0.324	0.618	0.615	0.529	0.506	0.522	0.462	0.317
1995	0.626	0.975	0.539	0.344	0.580	0.625	0.538	0.511	0.530	0.463	0.363
1996	0.713	1.055	0.646	0.461	0.714	0.751	0.659	0.639	0.653	0.603	0.420
1997	0.700	1.065	0.613	0.416	0.653	0.723	0.606	0.590	0.602	0.551	0.387
1998	0.526	0.912	0.450	0.288	0.465	0.513	0.444	0.422	0.439	0.383	0.280
1999	0.645	1.007	0.533	0.342	0.550	0.634	0.546	0.493	0.536	0.430	0.354
2000	0.963	1.330	0.880	0.595	0.969	1.019	0.898	0.886	0.896	0.778	0.566
2001	0.886	1.256	0.763	0.540	0.821	0.883	0.784	0.756	0.779	0.697	0.476
2002	0.828	1.146	0.716	0.431	0.752	0.805	0.724	0.694	0.718	0.663	0.530
2003	1.002	1.288	0.871	0.607	0.955	1.033	0.883	0.881	0.882	0.793	0.661
2004	1.288	1.627	1.208	0.751	1.271	1.289	1.187	1.125	1.178	1.033	0.681
2005	1.670	2.076	1.723	0.933	1.757	1.801	1.737	1.623	1.720	1.377	0.971
2006	1.969	2.490	1.961	1.031	2.007	2.044	2.012	1.834	1.991	1.395	1.136
2007	2.182	2.758	2.171	1.194	2.249	2.430	2.203	2.072	2.190	1.551	1.350
2008	2.586	3.342	3.020	1.437	2.851	2.712	2.994	2.745	2.970	2.157	1.866
2009	1.767	2.480	1.719	0.921	1.844	2.050	1.713	1.657	1.707	1.561	1.342
2010	2.165	2.874	2.185	1.212	2.299	2.573	2.214	2.147	2.208	W	1.697
2011	2.867	3.739	3.014	1.467	3.065	3.223	3.034	2.907	3.025	2.801	2.336
2012	2.929	3.919	3.080	1.033	3.163	3.349	3.109	3.031	3.103	W	2.457
2013	2.812	3.869	2.953	1.048	3.084	3.340	3.028	2.966	3.025	2.767	2.278
2014	2.618	3.687	2.763	1.165	2.882	3.213	2.812	2.741	2.809	2.333	2.044
2015											
January	1.366	2.324	1.612	0.713	1.900	1.979	1.616	1.669	1.620	1.150	1.023
February	1.637	2.529	1.722	0.748	2.233	2.161	1.861	1.850	1.860	1.355	1.126
March	1.770	2.801	1.731	0.689	2.098	2.246	1.815	1.847	1.817	1.337	1.126
April	1.835	2.827	1.709	0.566	1.800	2.276	1.805	1.740	1.803	1.403	1.114
May	2.080	3.050	1.933	0.475	1.929	2.429	1.973	1.852	1.969	1.460	1.234
June	2.121	3.259	1.813	0.404	1.871	2.359	1.881	1.813	1.880	1.498	1.233
July	2.072	3.217	1.655	0.405	1.701	2.195	1.729	1.654	1.728	1.380	1.122
August	1.838	2.980	1.479	0.402	1.494	2.005	1.562	1.461	1.559	1.133	0.918
September	1.609	2.586	1.443	0.469	1.509	1.902	1.551	1.438	1.549	1.123	0.852
October	1.558	2.475	1.451	0.524	1.555	1.896	1.572	1.411	1.563	W	0.836
November	1.426	2.385	1.400	0.505	1.554	1.836	1.456	1.356	1.449	W	0.787
December	1.356	2.252	1.207	0.499	1.275	1.516	1.176	1.126	1.173	0.953	0.633
2015	1.726	2.764	1.592	0.555	1.735	1.957	1.667	1.565	1.663	1.215	0.996
2016											
January	1.187	2.122	1.022	0.460	1.183	1.263	1.015	0.976	1.012	0.739	0.499
February	1.046	1.908	1.017	0.470	1.155	1.278	1.043	0.948	1.035	W	0.504
March	1.335	2.230	1.100	0.497	1.208	1.413	1.189	1.070	1.182	0.861	0.558
April	1.476	2.457	1.155	0.458	1.193	1.491	1.251	1.113	1.244	0.957	0.616
May	1.613	2.528	1.311	0.511	1.327	1.736	1.432	1.291	1.426	1.046	0.723
June	1.643	2.591	1.428	0.497	1.445	1.864	1.531	1.404	1.527	1.136	0.825
July	1.490	2.505	1.354	0.476	1.297	1.749	1.426	1.305	1.421	W	0.835
August	1.508	2.405	1.313	R0.453	1.408	1.759	1.440	1.307	1.437	W	0.815
September	1.514	2.506	1.366	0.494	1.402	1.743	1.471	1.341	1.467	W	0.851

W = Withheld to avoid disclosure of individual company data.

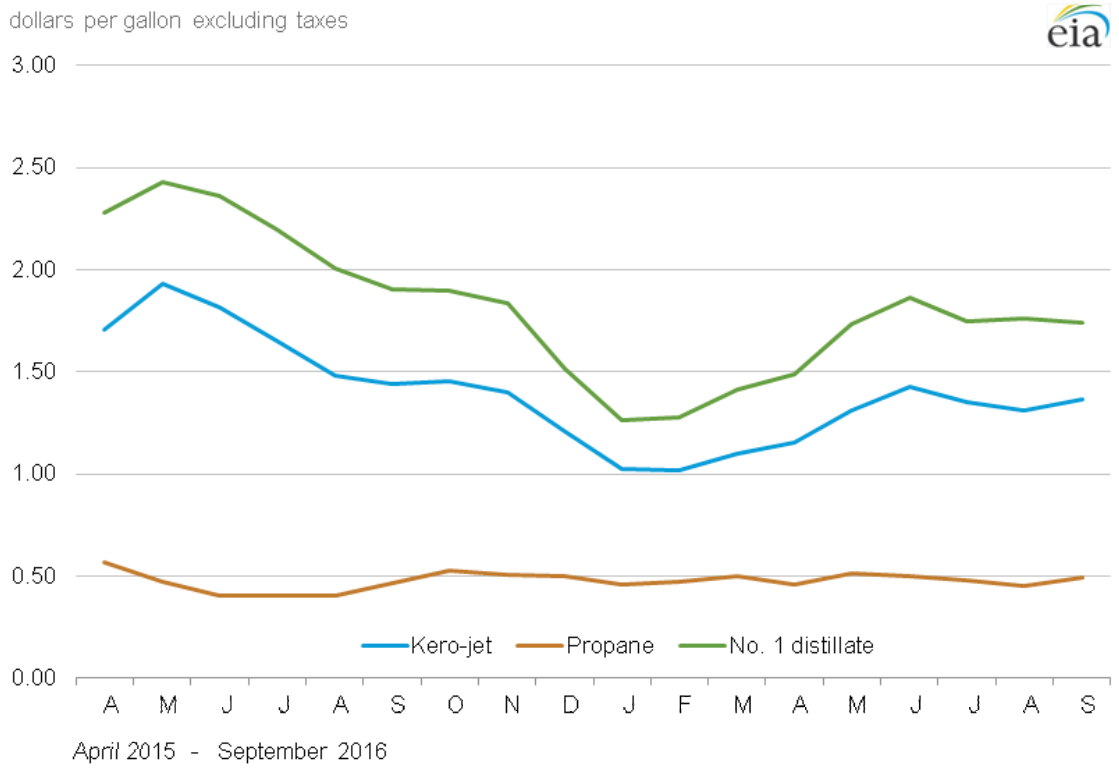
R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

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

Figure 4. U.S. Refiner wholesale petroleum product prices



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

Table 5. U.S. refiner volumes of petroleum sales for resale

million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate: No. 2 diesel fuel	No. 2 distillate: No. 2 fuel oil	No. 2 distillate: Average	No. 4 fuel[a]	Residual fuel oil
1985	256.9	0.7	7.6	29.2	2.4	2.7	43.3	53.9	97.3	1.2	19.9
1986	257.2	0.7	9.2	26.3	2.4	2.5	46.4	53.8	100.3	1.2	18.6
1987	257.2	0.8	10.1	27.0	2.3	2.0	44.3	49.3	93.6	1.5	16.9
1988	263.7	0.7	10.0	27.7	2.7	2.6	47.8	50.1	97.9	1.2	18.9
1989	260.7	0.7	8.6	25.9	2.7	2.7	50.7	46.7	97.5	1.2	21.0
1990	264.8	0.7	8.8	25.5	2.2	2.4	51.9	45.9	97.8	0.8	17.9
1991	261.3	0.7	8.7	25.4	2.1	2.4	51.5	46.9	98.3	0.4	17.8
1992	265.4	0.7	8.0	26.7	2.2	2.3	50.8	48.9	99.7	0.4	15.2
1993	266.9	0.6	8.3	27.9	2.3	2.3	58.0	43.6	101.7	0.4	12.6
1994	276.7	0.7	9.1	28.4	2.5	1.9	72.4	32.9	105.3	0.4	12.8
1995	288.8	0.6	9.9	30.6	2.4	1.7	75.9	31.0	106.9	0.3	13.6
1996	293.6	0.6	11.5	32.9	2.7	1.8	83.7	33.1	116.8	0.3	13.8
1997	292.7	0.6	11.3	32.2	2.5	1.6	88.7	31.2	119.9	0.2	11.5
1998	300.4	0.6	12.2	32.7	2.2	1.4	91.9	27.3	119.2	0.1	15.4
1999	306.9	0.7	15.2	33.6	2.4	1.7	95.5	24.3	119.9	0.2	11.5
2000	304.4	0.6	15.7	34.8	2.3	1.5	98.8	23.3	122.1	0.2	10.5
2001	305.2	0.6	14.3	35.0	2.2	1.4	101.3	25.2	126.4	0.1	10.3
2002	311.8	0.6	12.1	32.9	2.0	1.3	100.8	23.6	124.4	0.1	8.8
2003	311.6	0.5	12.2	36.5	2.3	1.2	108.9	20.9	129.8	0.1	6.7
2004	316.4	0.6	12.7	40.3	2.1	1.3	116.5	19.6	136.1	NA	5.9
2005	321.8	0.5	15.2	35.1	2.0	1.4	118.7	20.6	139.3	NA	4.7
2006	315.6	0.5	15.2	39.4	1.4	1.3	123.2	16.7	139.9	0.3	6.5
2007	319.8	0.5	16.6	41.7	1.4	0.9	135.3	14.5	149.8	0.3	8.2
2008	306.4	0.4	16.5	34.2	1.0	1.0	138.7	14.9	153.6	0.2	9.5
2009	307.4	0.4	15.2	31.8	1.3	1.0	128.0	15.1	143.1	0.1	9.8
2010	312.0	0.4	20.3	28.3	1.4	0.9	135.5	11.5	147.0	W	10.7
2011	296.3	0.4	23.0	28.6	1.2	1.0	134.6	10.7	145.3	0.1	12.2
2012	294.7	0.4	23.5	27.6	1.2	0.8	136.9	10.7	147.6	W	8.8
2013	291.0	0.4	26.4	34.9	1.3	1.0	142.9	7.7	150.6	0.1	9.0
2014	289.2	0.4	27.5	32.9	1.4	1.4	146.3	7.0	153.3	0.1	8.0
2015											
January	281.3	0.3	26.0	45.6	2.0	3.2	141.1	10.9	152.0	0.2	6.5
February	292.0	0.4	26.9	46.6	1.3	3.0	142.6	10.4	153.0	0.1	7.7
March	292.8	0.4	28.4	33.4	0.8	1.1	142.8	7.4	150.2	0.1	7.8
April	302.2	0.5	29.5	29.4	0.8	0.4	150.3	4.6	154.9	0.2	7.6
May	300.0	0.4	27.3	25.0	0.7	0.2	143.9	4.5	148.3	0.1	8.0
June	305.0	0.4	29.8	25.1	1.5	0.2	155.8	2.7	158.5	0.1	8.9
July	305.1	0.6	29.4	23.2	1.3	0.2	151.2	3.0	154.3	0.2	8.3
August	304.1	0.5	29.1	25.9	1.6	0.2	148.6	3.7	152.4	0.1	9.1
September	303.7	0.5	30.0	32.1	1.1	0.5	152.5	3.7	156.2	0.1	8.1
October	299.8	0.6	27.0	28.5	1.1	1.1	149.9	9.0	158.9	W	8.2
November	298.2	0.3	29.6	30.7	1.0	2.0	139.3	10.0	149.3	W	8.0
December	299.9	0.3	30.3	34.8	1.3	2.2	140.0	10.6	150.6	0.1	8.9
2015	298.7	0.4	28.6	31.6	1.2	1.2	146.5	6.7	153.2	0.2	8.1
2016											
January	285.3	0.3	29.3	45.5	1.6	2.4	130.5	12.3	142.8	0.2	9.3
February	295.0	0.4	28.6	43.8	1.5	1.7	132.9	12.8	145.7	W	9.3
March	303.8	0.4	28.5	29.1	0.6	0.7	137.7	8.5	146.2	0.2	9.2
April	302.5	0.6	28.2	26.1	0.8	0.3	137.4	7.7	145.1	0.2	9.0
May	305.8	0.4	29.7	27.4	0.9	0.1	137.5	6.8	144.3	0.1	9.9
June	314.9	0.5	30.9	25.5	0.7	0.1	138.6	4.8	143.4	0.1	8.9
July	315.9	0.5	31.2	24.1	0.9	0.1	131.3	4.9	136.3	W	7.6
August	R314.8	0.6	31.8	R29.2	1.5	0.2	R142.3	3.8	R146.1	W	8.1
September	307.8	0.4	32.0	28.4	1.0	0.5	143.1	5.2	148.3	W	7.1

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

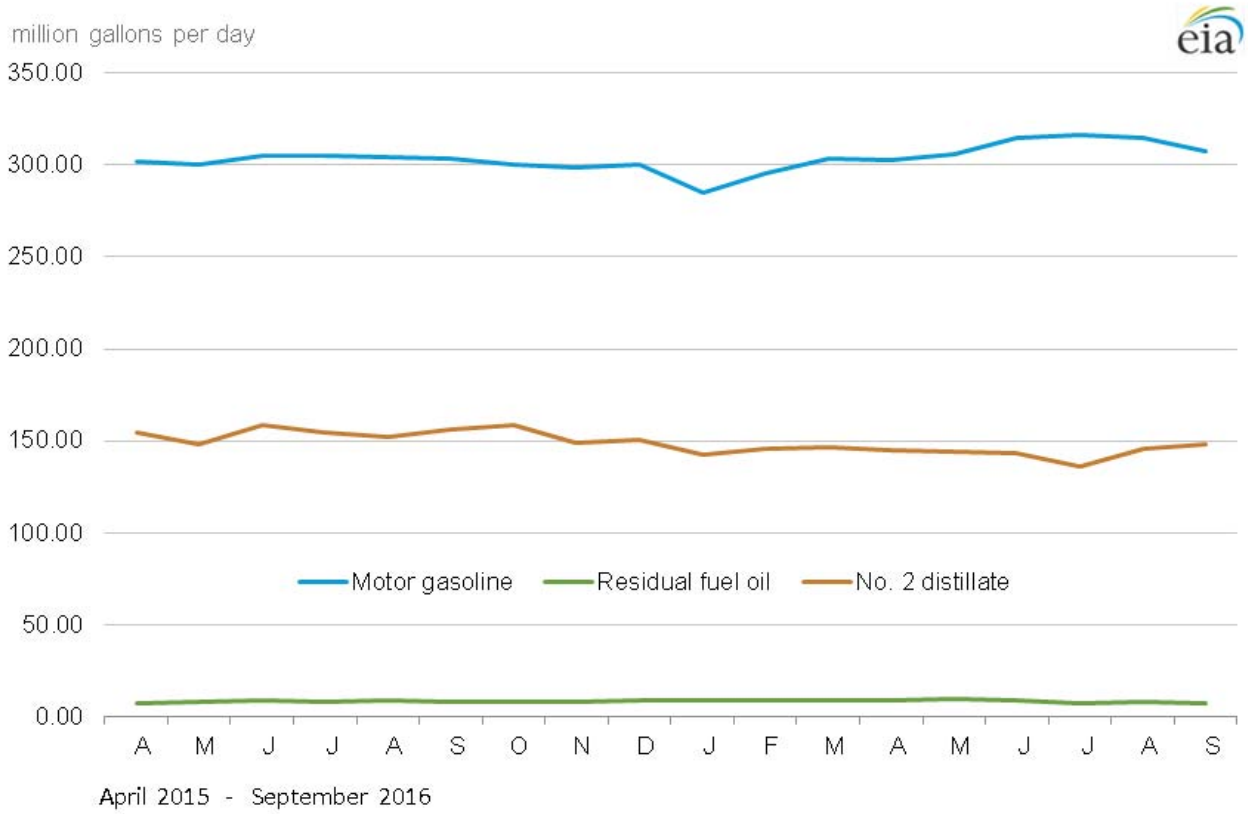
R = Revised data.

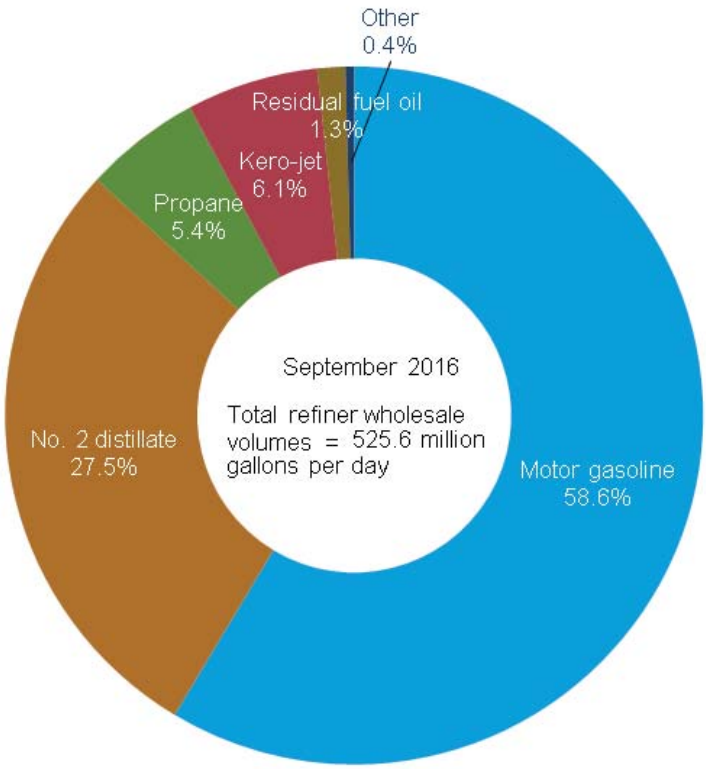
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Figure 5. U.S. Refiner wholesale petroleum product volumes





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

Table 6. U.S. refiner motor gasoline prices by grade and sales type

dollars per gallon excluding taxes

	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1985	0.925	0.917	-	-	-	0.843	-	-	-	-	-	-
1986	0.624	0.616	-	-	-	0.522	-	-	-	-	-	-
1987	0.659	0.650	-	-	-	0.569	-	-	-	-	-	-
1988	0.649	0.641	-	-	-	0.548	-	-	-	-	-	-
1989	0.720	0.714	-	-	-	0.618	0.796	0.793	-	-	-	0.686
1990	0.853	0.849	-	-	-	0.758	0.923	0.921	-	-	-	0.814
1991	0.764	0.761	-	-	-	0.672	0.847	0.843	-	-	-	0.733
1992	0.746	0.743	-	-	-	0.645	0.831	0.827	-	-	-	0.708
1993	0.716	0.712	-	-	-	0.593	0.810	0.805	-	-	-	0.660
1994	0.695	0.689	0.646	0.547	0.502	0.566	0.791	0.785	0.704	0.584	NA	0.638
1995	0.723	0.717	0.682	0.576	0.534	0.593	0.813	0.808	0.737	0.619	NA	0.670
1996	0.812	0.807	0.770	0.672	0.622	0.685	0.901	0.896	0.824	0.709	NA	0.759
1997	0.803	0.798	0.764	0.656	0.615	0.673	0.898	0.895	0.822	0.694	0.711	0.749
1998	0.634	0.630	0.596	0.481	0.449	0.499	0.731	0.728	0.655	0.521	NA	0.576
1999	0.747	0.742	0.730	0.605	0.542	0.620	0.838	0.835	0.784	0.639	NA	0.696
2000	1.077	1.073	1.042	0.927	0.873	0.942	1.171	1.168	1.099	0.960	-	1.013
2001	1.000	0.997	0.977	0.848	0.786	0.865	1.103	1.100	1.042	0.888	-	0.945
2002	0.915	0.912	0.886	0.801	0.735	0.806	1.013	1.010	0.968	0.839	-	0.885
2003	1.127	1.123	1.134	0.965	0.888	0.981	1.222	1.218	1.196	1.004	-	1.061
2004	1.407	1.404	1.414	1.257	1.182	1.269	1.503	1.499	1.469	1.296	-	1.340
2005	1.805	1.802	1.765	1.653	1.568	1.654	1.896	1.893	1.821	1.681	-	1.708
2006	2.102	2.099	2.082	1.944	1.866	1.950	2.216	2.213	2.157	1.987	-	2.016
2007	2.318	2.315	2.278	2.161	2.074	2.161	2.440	2.438	2.351	2.226	-	2.245
2008	2.752	2.748	2.702	2.558	2.525	2.570	2.880	2.879	2.775	2.588	-	2.610
2009	1.860	1.856	1.866	1.744	1.668	1.747	1.998	1.997	1.957	1.762	-	1.784
2010	2.275	2.270	2.261	2.144	2.073	2.146	2.416	2.416	2.357	2.168	-	2.185
2011	3.028	3.021	2.961	2.846	2.762	2.847	3.165	3.165	3.057	2.880	-	2.893
2012	3.132	3.118	3.086	2.892	2.836	2.904	3.291	3.290	3.194	2.906	-	2.925
2013	3.029	3.010	2.907	2.769	2.747	2.779	3.200	3.199	3.038	2.862	-	2.876
2014	2.832	2.811	2.767	2.574	2.520	2.584	3.031	3.030	2.903	2.716	-	2.738
2015												
January	1.618	1.616	1.547	1.318	1.302	1.332	1.858	1.859	1.671	1.440	-	1.468
February	1.809	1.807	1.861	1.589	1.535	1.604	2.026	2.025	2.025	1.710	-	1.748
March	1.990	1.987	2.198	1.696	1.698	1.732	2.281	2.279	2.303	1.834	-	1.889
April	1.996	1.995	2.164	1.771	1.746	1.796	2.264	2.262	2.310	1.903	-	1.950
May	2.253	2.252	2.604	1.999	1.953	2.037	2.563	2.560	2.741	2.135	-	2.199
June	2.317	2.315	2.451	2.051	2.002	2.075	2.571	2.569	2.594	2.202	-	2.244
July	2.267	2.266	2.645	1.971	1.983	2.017	2.595	2.593	2.802	2.157	-	2.222
August	2.149	2.147	2.358	1.742	1.695	1.781	2.470	2.469	2.479	1.942	-	1.998
September	1.847	1.845	2.018	1.530	1.450	1.556	2.177	2.176	2.171	1.718	-	1.768
October	1.787	1.785	1.856	1.491	1.406	1.510	2.056	2.056	2.051	1.674	-	1.717
November	1.644	1.643	1.756	1.354	1.340	1.380	1.919	1.919	1.921	1.522	-	1.569
December	1.531	1.530	1.730	1.282	1.260	1.310	1.837	1.836	1.922	1.444	-	1.502
2015	1.939	1.938	2.105	1.654	1.604	1.681	2.225	2.224	2.252	1.824	-	1.872
2016												
January	1.426	1.426	1.648	1.101	1.148	1.142	1.760	1.759	1.794	1.257	-	1.321
February	1.257	1.256	1.351	0.977	0.985	1.003	1.555	1.554	1.499	1.118	-	1.165
March	1.487	1.485	1.638	1.273	1.198	1.291	1.745	1.744	1.808	1.441	-	1.486
April	1.658	1.656	1.757	1.412	1.336	1.431	1.927	1.926	1.886	1.574	-	1.612
May	1.806	1.806	1.805	1.559	1.455	1.568	2.047	2.046	1.928	1.716	-	1.741
June	1.901	1.900	1.866	1.585	1.513	1.598	2.123	2.121	1.996	1.749	-	1.776
July	1.729	1.729	1.781	1.421	1.411	1.444	2.025	2.024	1.893	1.592	-	1.627
August	1.687	1.687	R1.643	1.458	1.390	1.465	1.945	1.944	1.781	1.619	-	1.637
September	1.716	1.716	1.759	1.449	1.438	1.469	1.996	1.995	1.895	1.617	-	1.650

See footnotes at end of table.

Table 6. U.S. refiner motor gasoline prices by grade and sales type (cont.)

dollars per gallon excluding taxes

	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1985	1.030	1.023	-	-	-	0.922	0.921	0.912	-	-	-	0.835
1986	0.748	0.737	-	-	-	0.610	0.632	0.624	-	-	-	0.531
1987	0.790	0.784	-	-	-	0.671	0.678	0.669	-	-	-	0.589
1988	0.794	0.788	-	-	-	0.672	0.681	0.673	-	-	-	0.577
1989	0.874	0.868	-	-	-	0.749	0.763	0.756	-	-	-	0.654
1990	0.990	0.985	-	-	-	0.874	0.888	0.883	-	-	-	0.786
1991	0.912	0.907	-	-	-	0.792	0.800	0.797	-	-	-	0.699
1992	0.920	0.914	-	-	-	0.774	0.792	0.787	-	-	-	0.677
1993	0.896	0.889	-	-	-	0.722	0.765	0.759	-	-	-	0.626
1994	0.873	0.865	0.787	0.640	0.556	0.695	0.744	0.738	0.693	0.567	0.509	0.599
1995	0.897	0.890	0.822	0.673	0.583	0.722	0.771	0.765	0.729	0.598	0.540	0.626
1996	0.979	0.972	0.897	0.762	0.669	0.803	0.853	0.847	0.809	0.690	0.627	0.713
1997	0.979	0.973	0.895	0.749	0.658	0.792	0.844	0.839	0.803	0.674	0.620	0.700
1998	0.811	0.805	0.726	0.573	0.489	0.617	0.678	0.673	0.636	0.500	0.454	0.526
1999	0.912	0.906	0.851	0.687	0.585	0.726	0.785	0.781	0.765	0.621	0.549	0.645
2000	1.250	1.242	1.174	1.017	0.927	1.055	1.111	1.106	1.074	0.940	0.879	0.963
2001	1.181	1.175	1.112	0.936	0.830	0.980	1.035	1.032	1.009	0.862	0.791	0.886
2002	1.094	1.088	1.030	0.899	0.800	0.928	0.949	0.947	0.922	0.816	0.741	0.828
2003	1.312	1.305	1.269	1.064	0.955	1.113	1.160	1.156	1.164	0.978	0.893	1.002
2004	1.603	1.596	1.553	1.361	1.274	1.408	1.439	1.435	1.442	1.270	1.187	1.288
2005	2.000	1.992	1.901	1.760	1.696	1.789	1.833	1.829	1.791	1.664	1.576	1.670
2006	2.326	2.320	2.231	2.093	1.988	2.117	2.131	2.128	2.110	1.959	1.873	1.969
2007	2.558	2.552	2.460	2.339	2.209	2.357	2.349	2.345	2.311	2.180	2.080	2.182
2008	2.971	2.965	2.846	2.718	2.689	2.746	2.778	2.775	2.726	2.572	2.532	2.586
2009	2.128	2.122	2.059	1.941	1.816	1.958	1.892	1.888	1.899	1.761	1.675	1.767
2010	2.543	2.536	2.446	2.334	2.187	2.346	2.306	2.301	2.293	2.162	2.078	2.165
2011	3.291	3.283	3.139	3.047	2.873	3.049	3.058	3.050	2.990	2.864	2.769	2.867
2012	3.413	3.400	3.273	3.149	3.102	3.163	3.168	3.154	3.117	2.916	2.861	2.929
2013	3.320	3.307	3.108	3.076	3.010	3.075	3.068	3.049	2.942	2.801	2.774	2.812
2014	3.152	3.138	2.941	2.878	2.783	2.880	2.876	2.855	2.800	2.606	2.548	2.618
2015												
January	2.012	2.008	1.741	1.615	1.481	1.625	1.674	1.673	1.588	1.350	1.317	1.366
February	2.178	2.174	2.078	1.881	1.728	1.900	1.861	1.858	1.906	1.620	1.550	1.637
March	2.456	2.449	2.386	2.021	1.910	2.066	2.057	2.054	2.236	1.731	1.716	1.770
April	2.434	2.429	2.378	2.105	1.932	2.130	2.060	2.058	2.208	1.808	1.765	1.835
May	2.744	2.738	2.809	2.354	2.176	2.402	2.324	2.322	2.645	2.038	1.974	2.080
June	2.722	2.717	2.660	2.439	2.356	2.464	2.376	2.374	2.494	2.094	2.030	2.121
July	2.756	2.751	2.873	2.422	2.452	2.480	2.340	2.338	2.691	2.023	2.025	2.072
August	2.627	2.621	2.560	2.214	2.035	2.247	2.221	2.218	2.400	1.796	1.731	1.838
September	2.343	2.337	2.229	1.969	1.746	1.991	1.922	1.920	2.063	1.581	1.475	1.609
October	2.228	2.222	2.093	1.889	1.680	1.904	1.851	1.849	1.907	1.536	1.437	1.558
November	2.113	2.109	1.982	1.741	1.505	1.756	1.713	1.711	1.805	1.398	1.359	1.426
December	2.039	2.034	1.979	1.667	1.459	1.695	1.605	1.604	1.784	1.325	1.281	1.356
2015	2.392	2.386	2.312	2.035	1.845	2.061	2.006	2.003	2.148	1.696	1.627	1.726
2016												
January	1.963	1.958	1.873	1.473	1.309	1.519	1.506	1.505	1.696	1.143	1.164	1.187
February	1.760	1.757	1.578	1.322	1.140	1.346	1.333	1.332	1.402	1.016	1.005	1.046
March	1.938	1.935	1.892	1.633	1.421	1.656	1.554	1.552	1.694	1.314	1.218	1.335
April	2.121	2.119	1.999	1.779	1.526	1.788	1.727	1.725	1.809	1.454	1.366	1.476
May	2.242	2.240	2.043	1.928	1.658	1.925	1.871	1.869	1.857	1.602	1.479	1.613
June	2.319	2.316	2.109	1.956	1.753	1.962	1.962	1.961	1.919	1.628	1.540	1.643
July	2.225	2.223	2.005	1.788	1.576	1.801	1.804	1.804	1.831	1.467	1.428	1.490
August	2.143	2.141	1.878	1.813	1.575	1.810	1.755	1.754	R1.696	1.501	1.404	1.508
September	2.192	2.189	1.999	1.827	1.592	1.836	1.789	1.788	1.813	1.493	1.454	1.514

NA = Not available.

- = No data reported.

R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

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

Table 7. U.S. refiner motor gasoline volumes by grade and sales type

million gallons per day

	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1985	26.2	29.9	-	-	-	119.7	-	-	-	-	-	-
1986	30.9	34.7	-	-	-	127.0	-	-	-	-	-	-
1987	32.7	36.1	-	-	-	141.9	-	-	-	-	-	-
1988	34.2	37.3	-	-	-	153.6	-	-	-	-	-	-
1989	34.3	36.8	-	-	-	155.7	4.9	5.1	-	-	-	16.4
1990	36.7	38.8	-	-	-	174.5	7.4	7.6	-	-	-	23.1
1991	38.4	40.4	-	-	-	180.9	7.9	8.2	-	-	-	23.7
1992	36.5	38.4	-	-	-	182.2	8.9	9.2	-	-	-	27.5
1993	35.6	37.2	-	-	-	184.0	8.7	8.9	-	-	-	27.7
1994	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
1995	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
1996	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
1997	40.5	42.4	46.2	135.7	33.9	215.8	9.7	10.0	12.1	16.3	NA	28.4
1998	41.7	43.2	44.4	138.9	37.1	220.3	10.1	10.3	11.1	16.3	NA	27.4
1999	41.6	43.0	45.6	147.5	34.5	227.6	9.9	10.1	10.5	16.1	NA	26.6
2000	43.6	45.0	47.5	159.3	32.4	239.3	8.6	8.7	8.8	14.2	-	23.0
2001	45.0	46.3	47.2	163.2	33.0	243.5	8.3	8.4	7.8	13.3	-	21.1
2002	46.2	47.4	46.9	163.0	39.2	249.2	8.3	8.5	7.4	13.4	-	20.8
2003	47.3	48.6	43.5	171.4	40.1	255.0	7.8	7.9	5.5	13.1	-	18.6
2004	44.5	45.8	41.1	182.1	42.2	265.4	6.4	6.5	4.4	12.7	-	17.0
2005	46.4	47.5	37.5	189.8	45.8	273.2	5.9	6.0	3.2	13.5	-	16.7
2006	48.2	49.4	34.8	196.0	40.8	271.7	5.5	5.5	2.4	11.7	-	14.1
2007	47.0	47.8	34.0	195.7	46.8	276.6	5.0	5.0	2.0	11.7	-	13.7
2008	45.6	46.6	32.5	192.7	43.7	268.8	4.1	4.2	1.5	11.0	-	12.5
2009	40.5	42.2	32.4	196.8	39.3	268.5	3.5	3.5	1.3	10.2	-	11.5
2010	36.6	38.1	29.0	202.2	41.4	272.5	3.0	3.1	0.9	9.9	-	10.8
2011	32.1	33.5	24.9	204.9	30.5	260.2	2.5	2.5	0.7	8.5	-	9.2
2012	23.6	25.2	22.4	209.3	25.8	257.5	1.9	1.9	0.6	8.3	-	8.9
2013	19.3	20.9	22.7	209.2	22.3	254.2	1.6	1.6	0.6	6.7	-	7.2
2014	16.7	18.2	18.9	216.9	18.9	254.8	1.4	1.4	0.4	3.1	-	3.5
2015												
January	19.8	20.1	17.2	210.9	19.4	247.5	1.6	1.6	0.3	2.5	-	2.9
February	20.2	20.5	18.1	218.4	21.2	257.7	1.7	1.7	0.4	2.6	-	3.0
March	20.3	20.6	18.3	219.1	20.4	257.9	1.7	1.7	0.4	2.7	-	3.1
April	20.7	21.1	18.2	226.1	20.7	265.0	1.7	1.7	0.4	2.8	-	3.2
May	21.2	21.5	18.0	225.5	19.3	262.8	1.8	1.8	0.4	3.0	-	3.3
June	21.3	21.6	18.3	230.9	18.0	267.2	1.8	1.8	0.4	3.0	-	3.3
July	21.5	21.8	18.0	232.1	16.9	267.0	1.8	1.8	0.3	3.0	-	3.3
August	21.2	21.5	18.3	228.4	18.5	265.2	1.8	1.8	0.3	2.9	-	3.2
September	21.0	21.3	18.0	225.2	22.4	265.5	1.8	1.8	0.3	2.7	-	3.1
October	21.2	21.5	18.0	227.1	16.8	262.0	1.8	1.8	0.3	2.6	-	3.0
November	20.5	20.8	17.7	222.8	20.1	260.6	1.7	1.7	0.3	2.5	-	2.9
December	20.6	20.9	17.9	222.9	21.9	262.6	1.7	1.8	0.3	2.5	-	2.8
2015	20.8	21.1	18.0	224.2	19.6	261.8	1.7	1.8	0.3	2.7	-	3.1
2016												
January	19.9	20.2	17.2	214.4	18.2	249.8	1.7	1.7	0.3	2.4	-	2.8
February	20.4	20.7	18.0	222.4	16.7	257.0	1.8	1.8	0.3	2.4	-	2.7
March	20.5	20.7	18.1	224.8	23.1	266.0	1.8	1.8	0.3	2.4	-	2.8
April	21.0	21.3	18.4	228.7	16.0	263.1	1.8	1.8	0.3	2.5	-	2.9
May	21.1	21.3	18.3	228.6	19.1	266.0	1.8	1.8	0.3	2.6	-	3.0
June	21.7	21.9	18.2	235.5	20.4	274.1	1.9	1.9	0.3	2.7	-	3.1
July	21.4	21.6	18.0	232.3	22.7	273.0	1.9	1.9	0.3	2.7	-	3.0
August	21.5	21.7	18.4	R233.9	21.8	274.1	1.9	1.9	0.3	2.7	-	3.0
September	21.4	21.6	18.0	229.9	20.6	268.5	1.9	1.9	0.3	2.5	-	2.8

See footnotes at end of table.

Table 7. U.S. refiner motor gasoline volumes by grade and sales type (cont.)

million gallons per day

	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1985	9.2	10.0	-	-	-	38.0	50.5	57.5	-	-	-	256.9
1986	9.0	9.8	-	-	-	45.1	54.2	61.2	-	-	-	257.2
1987	11.2	11.6	-	-	-	53.0	55.7	61.0	-	-	-	257.2
1988	13.8	14.5	-	-	-	62.4	56.7	61.0	-	-	-	263.7
1989	13.5	14.2	-	-	-	60.8	57.5	61.2	-	-	-	260.7
1990	11.2	11.7	-	-	-	53.7	57.4	60.3	-	-	-	264.8
1991	10.5	10.9	-	-	-	48.3	58.4	61.2	-	-	-	261.3
1992	10.3	10.7	-	-	-	51.7	56.4	59.0	-	-	-	265.4
1993	10.3	10.6	-	-	-	52.8	54.9	57.2	-	-	-	266.9
1994	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
1995	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
1996	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
1997	8.4	8.8	16.9	27.6	4.0	48.5	58.7	61.1	75.1	179.6	38.0	292.7
1998	9.6	9.9	17.4	30.9	4.3	52.7	61.4	63.3	73.0	186.1	41.4	300.4
1999	8.7	8.9	16.1	31.0	5.7	52.7	60.2	62.0	72.2	194.6	40.2	306.9
2000	6.9	7.1	13.0	24.4	4.7	42.1	59.1	60.9	69.4	197.9	37.1	304.4
2001	7.1	7.3	12.3	24.6	3.7	40.6	60.4	62.0	67.4	201.1	36.7	305.2
2002	7.5	7.8	12.5	25.2	4.1	41.8	62.1	63.6	66.9	201.7	43.3	311.8
2003	7.1	7.3	10.8	23.9	3.3	38.1	62.2	63.8	59.8	208.4	43.4	311.6
2004	5.9	6.1	9.4	22.3	2.3	34.0	56.9	58.4	54.8	217.1	44.5	316.4
2005	5.2	5.4	8.0	20.9	3.0	31.9	57.5	59.0	48.7	224.2	48.9	321.8
2006	4.9	5.1	7.1	20.3	2.4	29.7	58.6	60.0	44.3	228.0	43.2	315.6
2007	4.7	4.8	6.9	20.2	2.4	29.5	56.7	57.7	43.0	227.6	49.2	319.8
2008	4.2	4.3	5.9	17.1	1.9	25.0	53.9	55.1	39.9	220.8	45.7	306.4
2009	4.0	4.1	6.3	19.1	2.1	27.4	48.0	49.8	39.9	226.1	41.4	307.4
2010	3.4	3.5	5.7	20.9	2.1	28.7	43.1	44.7	35.7	232.9	43.5	312.0
2011	2.9	3.0	4.6	20.3	2.0	26.9	37.5	39.0	30.1	233.7	32.5	296.3
2012	2.5	2.6	4.2	21.6	2.6	28.4	28.0	29.7	27.2	239.2	28.4	294.7
2013	2.2	2.3	4.3	22.7	2.6	29.6	23.0	24.7	27.6	238.6	24.8	291.0
2014	1.9	2.0	4.2	24.4	2.3	30.9	19.9	21.6	23.5	244.5	21.2	289.2
2015												
January	2.5	2.5	4.4	24.7	1.8	30.9	23.9	24.2	21.9	238.2	21.1	281.3
February	2.5	2.5	4.5	25.1	1.8	31.4	24.3	24.6	22.9	246.1	23.0	292.0
March	2.5	2.5	4.5	25.5	1.8	31.8	24.4	24.8	23.1	247.3	22.3	292.8
April	2.6	2.6	4.6	27.2	2.3	34.0	25.0	25.4	23.1	256.1	23.0	302.2
May	2.6	2.6	4.4	27.5	2.0	33.9	25.5	25.9	22.7	256.0	21.3	300.0
June	2.6	2.6	4.5	28.3	1.6	34.4	25.7	26.0	23.2	262.2	19.5	305.0
July	2.6	2.7	4.4	28.7	1.7	34.8	26.0	26.3	22.7	263.9	18.5	305.1
August	2.7	2.7	4.6	28.9	2.2	35.7	25.7	26.0	23.2	260.2	20.7	304.1
September	2.7	2.7	4.7	28.4	2.0	35.1	25.4	25.7	23.0	256.3	24.4	303.7
October	2.6	2.7	4.7	28.0	2.1	34.9	25.6	25.9	23.1	257.8	19.0	299.8
November	2.6	2.7	4.7	27.5	2.5	34.7	24.8	25.2	22.7	252.9	22.6	298.2
December	2.6	2.7	4.7	27.2	2.6	34.5	25.0	25.3	22.9	252.5	24.5	299.9
2015	2.6	2.6	4.5	27.3	2.0	33.8	25.1	25.5	22.9	254.2	21.6	298.7
2016												
January	2.5	2.6	4.6	26.1	2.1	32.8	24.1	24.4	22.1	243.0	20.2	285.3
February	2.7	2.7	5.0	27.8	2.5	35.3	24.9	25.2	23.3	252.6	19.1	295.0
March	2.7	2.7	4.9	27.7	2.3	35.0	25.0	25.2	23.4	255.0	25.4	303.8
April	2.7	2.8	5.0	28.6	3.0	36.5	25.6	25.9	23.7	259.8	19.0	302.5
May	2.8	2.8	5.0	29.2	2.5	36.8	25.7	26.0	23.7	260.4	21.7	305.8
June	2.8	2.9	5.0	30.1	2.6	37.7	26.4	26.7	23.6	268.3	23.0	314.9
July	2.8	2.9	5.0	32.3	2.7	40.0	26.1	26.3	23.3	267.3	25.3	315.9
August	2.9	2.9	5.2	30.6	1.9	37.6	26.2	26.5	23.9	R267.2	23.7	R314.8
September	2.9	2.9	5.0	29.1	2.4	36.5	26.2	26.4	23.4	261.5	23.0	307.8

NA = Not available.

- = No data reported.

R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type

dollars per gallon excluding taxes

	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.687	0.681	0.636	0.545	0.500	0.558	0.784	0.778	0.694	NA	NA	0.627
1995	0.710	0.704	0.651	0.570	0.525	0.573	0.800	0.794	0.711	0.610	NA	0.637
1996	0.797	0.791	0.743	0.665	0.607	0.664	0.884	0.878	0.801	0.700	NA	0.726
1997	0.781	0.775	0.719	0.649	0.600	0.648	0.874	0.869	0.783	0.685	W	0.708
1998	0.611	0.606	0.551	0.473	0.439	0.473	0.704	0.700	0.613	0.511	W	0.533
1999	0.710	0.706	0.676	0.595	0.520	0.590	0.802	0.799	0.734	0.628	-	0.650
2000	1.045	1.040	0.994	0.913	0.844	0.909	1.136	1.133	1.052	0.945	-	0.964
2001	0.961	0.958	0.914	0.835	0.761	0.830	1.058	1.055	0.984	0.872	-	0.889
2002	0.893	0.891	0.836	0.791	0.723	0.782	0.985	0.981	0.906	0.829	-	0.839
2003	1.081	1.078	1.040	0.952	0.871	0.942	1.173	1.168	1.108	0.994	-	1.006
2004	1.368	1.364	1.325	1.244	1.170	1.234	1.454	1.450	1.391	1.287	-	1.296
2005	1.780	1.776	1.709	1.643	1.555	1.629	1.861	1.857	1.781	1.675	-	1.682
2006	2.062	2.060	2.054	1.925	1.864	1.918	2.166	2.164	2.134	1.972	-	1.980
2007	2.292	2.289	2.242	2.153	2.065	2.138	2.392	2.390	2.298	2.222	-	2.225
2008	2.717	2.714	2.698	2.560	2.513	2.555	2.829	2.829	2.734	2.581	-	2.586
2009	1.825	1.821	1.817	1.735	1.657	1.723	1.936	1.936	1.877	1.751	-	1.755
2010	2.244	2.239	2.244	2.139	2.065	2.128	2.361	2.361	2.336	2.160	-	2.164
2011	2.998	2.989	2.916	2.834	2.751	2.825	3.105	3.104	3.033	2.869	-	2.872
2012	3.076	3.060	2.999	2.867	2.816	2.864	3.202	3.202	3.117	2.886	-	2.890
2013	2.975	2.954	2.797	2.745	2.724	2.745	3.110	3.110	2.947	2.850	-	2.852
2014	2.775	2.753	2.706	2.558	2.502	2.556	2.932	2.931	2.858	2.703	-	2.711
2015												
January	1.554	1.554	1.439	1.305	1.286	1.306	1.748	1.750	1.639	1.431	-	1.442
February	1.737	1.735	1.671	1.564	W	1.562	1.893	1.891	1.882	1.677	-	1.687
March	1.852	1.851	1.949	1.662	1.683	1.670	2.034	2.031	2.121	1.793	-	1.810
April	1.882	1.883	1.942	1.731	1.710	1.734	2.067	2.065	2.124	1.856	-	1.870
May	2.096	2.097	2.244	1.950	1.906	1.953	2.285	2.283	2.451	2.081	-	2.099
June	2.221	2.220	2.271	2.023	W	2.025	2.396	2.393	2.462	2.178	-	2.192
July	2.123	2.124	2.279	1.919	W	1.929	2.327	2.325	2.466	2.105	-	2.122
August	2.020	2.018	2.066	1.708	1.666	1.712	2.230	2.229	2.316	1.919	-	1.939
September	1.744	1.743	1.768	1.512	W	1.508	1.984	1.985	2.078	1.706	-	1.725
October	1.722	1.721	1.590	1.478	W	1.473	1.922	1.923	1.933	1.665	-	1.679
November	1.562	1.562	1.549	1.333	W	1.336	1.768	1.768	1.811	1.500	-	1.518
December	1.430	1.431	1.489	1.251	1.235	1.255	1.648	1.648	1.750	1.399	-	1.419
2015	1.833	1.833	1.858	1.625	1.575	1.625	2.033	2.032	2.090	1.794	-	1.809
2016												
January	1.304	1.305	1.296	1.073	W	1.083	1.524	1.524	1.578	1.221	-	1.241
February	1.167	1.167	1.103	0.960	W	0.964	1.377	1.376	1.349	1.098	-	1.112
March	1.413	1.412	1.329	1.248	1.175	1.242	1.602	1.601	1.558	1.408	-	1.416
April	1.577	1.576	1.459	1.383	1.310	1.379	1.782	1.781	1.653	1.548	-	1.554
May	1.749	1.749	1.604	1.543	1.425	1.535	1.951	1.950	1.743	1.707	-	1.709
June	1.855	1.854	1.658	1.562	1.493	1.558	2.043	2.041	1.802	1.735	-	1.738
July	1.648	1.649	1.604	1.408	1.392	1.411	1.891	1.890	1.765	1.589	-	1.599
August	1.636	1.636	R1.529	1.455	W	1.449	1.865	1.866	1.681	1.633	-	1.635
September	1.659	1.660	1.620	1.439	W	1.441	1.905	1.906	1.770	1.620	-	1.629

See footnotes at end of table.

Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type (cont.)

dollars per gallon excluding taxes

	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.863	0.855	0.778	0.638	0.555	0.682	0.736	0.729	0.683	0.565	0.507	0.589
1995	0.877	0.868	0.790	0.665	0.568	0.684	0.753	0.746	0.693	0.590	0.530	0.598
1996	0.960	0.951	0.869	0.755	0.645	0.767	0.834	0.827	0.778	0.682	0.610	0.685
1997	0.954	0.946	0.856	0.742	0.641	0.753	0.819	0.813	0.756	0.666	0.604	0.668
1998	0.783	0.776	0.684	W	0.474	0.576	0.652	0.647	0.589	0.491	0.442	0.494
1999	0.872	0.865	0.801	0.679	0.558	0.681	0.748	0.743	0.711	0.611	0.525	0.609
2000	1.211	1.201	1.120	1.002	0.897	1.005	1.076	1.071	1.023	0.926	0.849	0.925
2001	1.129	1.123	1.042	0.922	0.806	0.923	0.992	0.989	0.943	0.848	0.765	0.845
2002	1.064	1.058	0.978	0.889	0.788	0.886	0.924	0.921	0.867	0.806	0.729	0.798
2003	1.253	1.245	1.178	1.051	0.925	1.050	1.109	1.105	1.067	0.965	0.874	0.957
2004	1.544	1.534	1.466	1.347	1.248	1.348	1.391	1.387	1.348	1.257	1.174	1.247
2005	1.966	1.954	1.857	1.747	1.652	1.746	1.801	1.797	1.732	1.654	1.560	1.641
2006	2.274	2.265	2.215	2.070	1.981	2.071	2.084	2.082	2.077	1.940	1.869	1.933
2007	2.502	2.494	2.415	2.328	2.181	2.317	2.313	2.309	2.267	2.172	2.070	2.156
2008	2.928	2.921	2.851	2.726	2.650	2.726	2.736	2.733	2.716	2.573	2.518	2.568
2009	2.062	2.054	2.014	1.927	1.802	1.918	1.845	1.841	1.843	1.750	1.664	1.738
2010	2.489	2.478	2.443	2.329	2.172	2.318	2.264	2.259	2.270	2.155	2.069	2.143
2011	3.230	3.219	3.105	3.035	2.864	3.018	3.016	3.008	2.939	2.851	2.758	2.841
2012	3.316	3.299	3.194	3.116	3.094	3.116	3.098	3.083	3.024	2.887	2.843	2.886
2013	3.231	3.213	3.011	3.059	3.004	3.049	2.997	2.977	2.825	2.775	2.755	2.774
2014	3.063	3.043	2.901	2.885	2.794	2.875	2.800	2.778	2.736	2.589	2.535	2.587
2015												
January	1.908	1.901	1.648	1.615	1.480	1.604	1.587	1.586	1.475	1.335	1.302	1.335
February	2.062	2.054	W	1.854	1.702	1.842	1.765	1.763	1.709	1.591	1.538	1.588
March	2.214	2.207	2.157	1.986	1.880	1.983	1.885	1.884	1.984	1.692	1.700	1.700
April	2.244	2.239	2.156	2.071	1.895	2.055	1.916	1.917	1.979	1.764	1.730	1.766
May	2.459	2.454	2.473	2.308	2.128	2.298	2.131	2.131	2.285	1.985	1.928	1.987
June	2.577	2.570	W	2.432	2.349	2.428	2.254	2.253	2.311	2.064	2.008	2.065
July	2.508	2.504	W	2.375	2.415	2.382	2.160	2.161	2.319	1.965	1.991	1.975
August	2.407	2.401	2.302	2.203	2.016	2.189	2.058	2.057	2.109	1.759	1.707	1.763
September	2.166	2.158	W	1.968	1.713	1.946	1.786	1.785	1.812	1.559	1.449	1.553
October	2.124	2.114	W	1.885	1.648	1.860	1.760	1.759	1.637	1.519	1.413	1.513
November	1.977	1.970	W	1.725	1.471	1.697	1.602	1.601	1.591	1.372	1.326	1.373
December	1.866	1.860	1.726	1.630	1.410	1.609	1.471	1.472	1.532	1.288	1.254	1.290
2015	2.216	2.210	2.085	2.016	1.812	1.999	1.869	1.869	1.899	1.663	1.599	1.663
2016												
January	1.737	1.733	W	1.441	1.272	1.428	1.345	1.346	1.337	1.109	1.137	1.117
February	1.593	1.590	W	1.315	1.132	1.297	1.209	1.209	1.143	0.995	0.991	0.998
March	1.812	1.808	1.548	1.612	1.381	1.586	1.451	1.450	1.369	1.283	1.194	1.276
April	1.995	1.992	1.674	1.763	1.489	1.726	1.617	1.617	1.498	1.421	1.339	1.416
May	2.174	2.170	1.809	1.935	1.630	1.898	1.791	1.790	1.641	1.583	1.451	1.573
June	2.275	2.270	1.862	1.955	1.723	1.926	1.895	1.894	1.696	1.602	1.522	1.597
July	2.122	2.119	1.812	1.787	1.549	1.764	1.696	1.697	1.643	1.451	1.410	1.452
August	2.103	2.099	W	1.837	1.559	1.812	1.682	1.682	R1.566	1.495	1.393	1.487
September	2.142	2.137	W	1.846	1.566	1.817	1.707	1.708	1.658	1.480	1.440	1.480

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey sytem. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent. Sales to end users - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

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

Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type

million gallons per day

	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	29.7	31.2	36.1	113.5	22.8	172.4	7.6	7.8	10.1	14.6	0.1	24.8
1995	24.0	25.3	19.4	105.1	26.0	150.5	6.0	6.3	5.1	13.6	0.1	18.7
1996	24.1	25.4	17.8	108.5	27.1	153.4	5.7	5.9	4.4	12.9	NA	17.3
1997	25.0	26.4	16.4	110.9	26.4	153.7	5.7	5.9	3.9	12.7	W	16.6
1998	25.4	26.6	13.7	112.0	28.8	154.5	6.0	6.1	3.4	12.5	W	15.8
1999	25.0	26.0	13.4	117.4	24.9	155.8	5.9	6.0	3.1	12.2	-	15.3
2000	26.0	27.1	12.8	125.7	23.9	162.4	4.9	5.0	2.3	10.8	-	13.1
2001	26.6	27.4	12.0	128.5	24.0	164.5	4.6	4.7	1.9	10.2	-	12.0
2002	27.2	28.0	11.3	127.9	31.0	170.2	4.7	4.8	1.6	10.4	-	11.9
2003	27.5	28.3	10.3	131.1	32.4	173.8	4.3	4.4	1.2	10.0	-	11.2
2004	26.5	27.3	9.7	136.7	36.1	182.5	3.5	3.6	0.9	9.8	-	10.8
2005	27.4	28.3	9.0	140.1	36.4	185.5	3.1	3.2	0.7	10.8	-	11.5
2006	28.9	29.8	7.3	143.7	37.4	188.4	2.9	2.9	0.5	9.3	-	9.7
2007	29.6	30.2	7.4	150.3	43.0	200.7	2.6	2.6	0.5	10.3	-	10.8
2008	28.9	29.8	7.1	144.5	39.5	191.1	2.1	2.2	0.4	9.9	-	10.3
2009	26.5	27.8	6.6	147.0	35.9	189.5	1.9	1.9	0.3	9.1	-	9.4
2010	24.9	26.2	5.9	147.6	37.1	190.7	1.7	1.7	0.2	8.7	-	8.9
2011	21.3	22.4	5.4	147.3	26.3	179.0	1.3	1.3	0.1	7.4	-	7.5
2012	14.4	15.7	5.0	149.0	21.7	175.8	0.9	0.9	0.1	7.2	-	7.4
2013	11.6	13.0	6.2	149.9	18.8	174.9	0.7	0.7	0.1	5.7	-	5.8
2014	11.1	12.5	4.3	154.9	16.8	176.0	0.6	0.6	0.1	2.1	-	2.3
2015												
January	13.4	13.6	3.7	150.4	17.2	171.2	0.8	0.8	0.1	1.8	-	1.9
February	13.5	13.8	W	156.1	W	179.1	0.8	0.8	0.1	1.8	-	1.9
March	13.6	13.8	3.9	156.9	17.6	178.4	0.8	0.8	0.1	1.9	-	2.0
April	14.0	14.3	3.9	162.8	17.5	184.2	0.8	0.8	0.1	2.0	-	2.1
May	14.3	14.6	3.9	162.0	16.4	182.3	0.9	0.9	0.1	2.1	-	2.2
June	14.3	14.6	W	165.5	W	184.6	0.9	0.9	0.1	2.1	-	2.2
July	14.6	14.9	W	167.9	W	186.1	0.9	0.9	0.1	2.1	-	2.2
August	14.2	14.5	4.0	163.8	15.5	183.3	0.9	0.9	0.1	2.0	-	2.1
September	14.1	14.4	W	161.3	W	184.5	0.9	0.9	0.1	1.9	-	2.0
October	14.2	14.5	W	162.3	W	180.4	0.9	0.9	0.1	1.8	-	1.9
November	13.9	14.1	W	159.6	W	180.2	0.8	0.8	0.1	1.8	-	1.9
December	14.0	14.2	4.1	159.7	18.9	182.7	0.8	0.8	0.1	1.7	-	1.8
2015	14.0	14.3	3.9	160.7	16.8	181.4	0.8	0.8	0.1	1.9	-	2.0
2016												
January	13.5	13.8	W	153.0	W	172.2	0.8	0.8	0.1	1.7	-	1.8
February	14.0	14.2	W	158.9	W	176.8	0.8	0.9	0.1	1.7	-	1.8
March	14.0	14.2	4.1	161.9	20.0	186.0	0.9	0.9	0.1	1.7	-	1.8
April	14.4	14.6	4.2	164.0	13.5	181.7	0.9	0.9	0.1	1.7	-	1.8
May	14.4	14.6	4.2	163.6	15.4	183.3	0.9	0.9	0.1	1.8	-	1.9
June	14.7	14.9	4.2	168.5	16.4	189.1	0.9	0.9	0.1	1.9	-	2.0
July	14.6	14.8	4.2	167.0	18.9	190.2	0.9	0.9	0.1	1.9	-	2.0
August	14.7	14.9	W	R167.8	W	R191.0	0.9	0.9	0.1	1.8	-	1.9
September	14.5	14.8	W	164.5	W	186.1	0.9	0.9	0.1	1.7	-	1.8

See footnotes at end of table.

Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type (cont.)

million gallons per day

	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	8.5	8.9	16.5	28.0	2.8	47.2	45.8	47.9	62.7	156.0	25.8	244.5
1995	6.2	6.4	7.7	25.1	2.9	35.6	36.2	38.0	32.1	143.8	28.9	204.8
1996	4.9	5.1	5.8	22.5	2.5	30.8	34.7	36.5	28.1	143.8	29.6	201.5
1997	4.8	5.0	5.1	21.9	2.5	29.5	35.4	37.2	25.4	145.6	28.9	199.8
1998	5.5	5.7	4.7	W	2.7	31.9	36.9	38.5	21.8	148.9	31.5	202.2
1999	5.0	5.2	4.3	24.1	3.8	32.2	35.9	37.2	20.8	153.7	28.7	203.3
2000	3.7	3.9	3.1	18.6	2.8	24.5	34.7	35.9	18.2	155.1	26.7	200.0
2001	3.7	3.8	2.8	18.7	2.7	24.1	35.0	36.0	16.7	157.4	26.7	200.7
2002	3.8	4.0	2.6	19.1	3.0	24.7	35.8	36.8	15.5	157.4	34.0	206.9
2003	3.4	3.5	2.1	17.5	2.4	21.9	35.1	36.3	13.6	158.6	34.8	207.0
2004	2.6	2.8	1.6	15.8	1.7	19.2	32.6	33.7	12.3	162.3	37.8	212.4
2005	2.3	2.4	1.4	14.4	1.9	17.7	32.8	33.8	11.0	165.4	38.2	214.6
2006	2.1	2.2	1.1	13.9	1.7	16.6	33.9	35.0	8.8	166.8	39.1	214.7
2007	2.1	2.2	1.1	14.4	2.0	17.4	34.3	35.0	9.0	175.0	44.9	228.9
2008	1.8	1.9	0.9	11.7	1.5	14.2	32.9	33.9	8.4	166.2	41.0	215.6
2009	1.7	1.8	0.9	12.9	1.8	15.6	30.0	31.5	7.8	169.0	37.7	214.5
2010	1.5	1.6	0.8	13.5	1.7	15.9	28.2	29.5	6.9	169.8	38.8	215.5
2011	1.2	1.3	0.7	12.6	1.8	15.1	23.8	25.1	6.2	167.3	28.1	201.6
2012	1.0	1.1	0.7	13.2	2.4	16.2	16.3	17.7	5.8	169.5	24.1	199.4
2013	0.8	0.9	0.8	14.0	2.4	17.2	13.1	14.5	7.1	169.6	21.2	197.9
2014	0.7	0.8	0.7	15.1	2.1	17.9	12.5	14.0	5.1	172.1	18.9	196.2
2015												
January	1.0	1.0	0.7	15.1	1.6	17.4	15.1	15.4	4.5	167.2	18.8	190.5
February	1.0	1.0	W	15.2	W	17.6	15.3	15.6	4.7	173.2	20.7	198.6
March	1.0	1.0	0.7	15.7	1.6	18.0	15.4	15.7	4.7	174.5	19.2	198.4
April	1.1	1.1	0.7	16.8	2.1	19.6	15.9	16.2	4.7	181.6	19.6	205.9
May	1.1	1.1	0.7	17.0	1.8	19.6	16.3	16.6	4.7	181.1	18.3	204.0
June	1.1	1.1	W	17.7	W	19.9	16.3	16.6	4.9	185.2	16.5	206.6
July	1.1	1.2	W	18.3	W	20.5	16.7	17.0	5.0	188.2	15.6	208.8
August	1.1	1.2	0.8	18.1	2.0	20.9	16.2	16.6	4.9	183.9	17.5	206.2
September	1.1	1.2	W	17.6	W	20.2	16.1	16.4	4.7	180.8	21.1	206.7
October	1.1	1.1	W	17.1	W	19.9	16.2	16.5	4.8	181.3	16.1	202.2
November	1.1	1.1	W	16.8	W	19.9	15.8	16.1	4.9	178.2	18.9	202.0
December	1.1	1.1	0.8	16.6	2.3	19.7	15.9	16.2	5.0	178.0	21.2	204.2
2015	1.1	1.1	0.7	16.8	1.8	19.4	15.9	16.2	4.8	179.4	18.6	202.8
2016												
January	1.1	1.1	W	16.0	W	18.6	15.4	15.7	4.8	170.7	17.0	192.5
February	1.1	1.1	W	16.9	W	19.6	15.9	16.2	4.9	177.4	15.8	198.2
March	1.1	1.2	0.8	17.0	2.0	19.9	16.0	16.2	5.0	180.6	22.0	207.7
April	1.2	1.2	0.8	17.6	2.6	21.0	16.4	16.7	5.1	183.3	16.1	204.5
May	1.2	1.2	0.9	18.0	2.2	21.1	16.4	16.7	5.2	183.5	17.7	206.3
June	1.2	1.2	0.9	18.6	2.3	21.8	16.8	17.0	5.2	189.0	18.7	212.9
July	1.2	1.3	0.9	20.9	2.4	24.2	16.8	17.0	5.1	189.8	21.4	216.3
August	1.2	1.2	W	18.9	W	21.4	16.8	17.1	5.2	188.5	20.6	R214.4
September	1.2	1.2	W	17.8	W	20.8	16.7	16.9	5.1	184.0	19.6	208.6

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. Sales to end users Year month Sales for resale - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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

Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type

dollars per gallon excluding taxes

	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.764	0.758	0.720	0.569	0.543	0.638	0.879	0.873	0.770	0.628	W	0.728
1995	0.749	0.744	0.707	0.605	0.573	0.650	0.836	0.833	0.753	0.651	-	0.723
1996	0.834	0.830	0.788	0.698	0.677	0.738	0.924	0.921	0.837	0.741	W	0.809
1997	0.830	0.828	0.787	0.682	0.668	0.731	0.928	0.925	0.840	0.725	W	0.807
1998	0.668	0.665	0.616	0.509	0.484	0.557	0.769	0.767	0.673	0.553	W	0.638
1999	0.804	0.800	0.752	0.642	0.601	0.686	0.895	0.892	0.807	0.676	NA	0.767
2000	1.126	1.123	1.058	0.978	0.953	1.012	1.219	1.217	1.114	1.014	-	1.085
2001	1.059	1.056	1.001	0.893	0.856	0.938	1.166	1.163	1.061	0.942	-	1.027
2002	0.946	0.944	0.906	0.834	0.779	0.861	1.052	1.050	0.988	0.875	-	0.958
2003	1.196	1.192	1.168	1.006	0.962	1.069	1.293	1.290	1.224	1.047	-	1.165
2004	1.472	1.470	1.447	1.299	1.248	1.353	1.572	1.570	1.494	1.340	-	1.436
2005	1.850	1.848	1.787	1.682	1.619	1.711	1.945	1.944	1.834	1.726	-	1.789
2006	2.166	2.164	2.097	2.002	1.885	2.030	2.275	2.274	2.170	2.078	-	2.129
2007	2.362	2.360	2.288	2.186	2.175	2.221	2.490	2.489	2.368	2.256	-	2.316
2008	2.812	2.810	2.703	2.553	2.642	2.607	2.934	2.934	2.788	2.652	-	2.721
2009	1.927	1.925	1.878	1.770	1.782	1.806	2.066	2.066	1.981	1.855	-	1.914
2010	2.342	2.339	2.265	2.159	2.141	2.188	2.485	2.485	2.362	2.229	-	2.280
2011	3.089	3.085	2.973	2.874	2.831	2.895	3.233	3.233	3.062	2.954	-	2.990
2012	3.219	3.212	3.111	2.956	2.947	2.988	3.372	3.372	3.213	3.047	-	3.098
2013	3.110	3.101	2.948	2.830	2.869	2.856	3.268	3.268	3.066	2.939	-	2.979
2014	2.946	2.938	2.784	2.614	2.663	2.647	3.111	3.111	2.920	2.746	-	2.788
2015												
January	1.748	1.747	1.577	1.348	1.431	1.391	1.958	1.958	1.684	1.461	-	1.515
February	1.955	1.954	1.913	1.650	W	1.697	2.143	2.142	2.081	1.784	-	1.857
March	2.268	2.266	2.266	1.781	1.792	1.869	2.503	2.503	2.377	1.932	-	2.040
April	2.233	2.231	2.224	1.873	1.946	1.938	2.450	2.450	2.386	2.013	-	2.101
May	2.579	2.578	2.703	2.122	2.223	2.227	2.826	2.826	2.865	2.263	-	2.396
June	2.515	2.513	2.502	2.121	W	2.187	2.736	2.736	2.650	2.260	-	2.346
July	2.574	2.572	2.751	2.108	W	2.221	2.862	2.862	2.956	2.279	-	2.418
August	2.414	2.412	2.440	1.826	1.841	1.934	2.701	2.701	2.550	1.990	-	2.106
September	2.059	2.058	2.086	1.576	W	1.666	2.358	2.358	2.211	1.745	-	1.847
October	1.920	1.919	1.931	1.522	W	1.593	2.181	2.181	2.101	1.694	-	1.786
November	1.815	1.814	1.817	1.406	W	1.480	2.057	2.057	1.971	1.572	-	1.663
December	1.744	1.743	1.801	1.358	1.418	1.437	2.011	2.011	2.000	1.544	-	1.652
2015	2.159	2.158	2.174	1.728	1.775	1.807	2.404	2.404	2.321	1.892	-	1.989
2016												
January	1.688	1.687	1.752	1.170	W	1.274	1.981	1.981	1.893	1.341	-	1.468
February	1.450	1.449	1.422	1.019	W	1.090	1.721	1.721	1.564	1.164	-	1.260
March	1.646	1.644	1.728	1.339	1.347	1.407	1.881	1.881	1.918	1.519	-	1.615
April	1.832	1.831	1.845	1.485	1.475	1.548	2.064	2.064	1.985	1.635	-	1.719
May	1.928	1.927	1.864	1.598	1.581	1.642	2.135	2.135	2.011	1.736	-	1.799
June	1.998	1.997	1.929	1.643	1.591	1.688	2.195	2.195	2.090	1.781	-	1.848
July	1.905	1.904	1.834	1.453	1.503	1.519	2.152	2.152	1.955	1.600	-	1.678
August	1.797	1.796	1.677	1.466	W	1.502	2.018	2.018	1.830	1.590	-	1.641
September	1.839	1.838	1.800	1.475	W	1.531	2.076	2.076	1.957	1.611	-	1.687

See footnotes at end of table.

Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type (cont.)

dollars per gallon excluding taxes

	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.966	0.958	0.861	0.677	0.558	0.777	0.831	0.824	0.771	0.599	0.547	0.687
1995	0.929	0.924	0.841	0.704	0.616	0.785	0.808	0.803	0.756	0.632	0.582	0.696
1996	1.002	0.998	0.910	0.791	0.709	0.859	0.882	0.878	0.828	0.720	0.682	0.774
1997	1.005	1.003	0.910	0.775	0.686	0.853	0.876	0.874	0.825	0.703	0.671	0.767
1998	0.847	0.845	0.741	W	0.516	0.680	0.717	0.714	0.657	0.529	0.489	0.593
1999	0.966	0.963	0.870	0.717	0.639	0.798	0.845	0.841	0.788	0.658	0.608	0.718
2000	1.297	1.291	1.189	1.064	0.972	1.125	1.164	1.160	1.092	0.993	0.957	1.039
2001	1.239	1.234	1.133	0.983	0.890	1.065	1.100	1.096	1.034	0.909	0.859	0.966
2002	1.124	1.119	1.046	0.930	0.832	0.991	0.987	0.985	0.944	0.851	0.785	0.891
2003	1.366	1.362	1.292	1.099	1.028	1.201	1.233	1.229	1.197	1.021	0.969	1.097
2004	1.655	1.652	1.574	1.399	1.348	1.489	1.510	1.507	1.474	1.313	1.257	1.378
2005	2.031	2.029	1.912	1.791	1.766	1.847	1.883	1.881	1.812	1.697	1.635	1.733
2006	2.369	2.367	2.239	2.149	2.004	2.183	2.202	2.200	2.125	2.020	1.906	2.055
2007	2.601	2.599	2.468	2.367	2.346	2.415	2.404	2.402	2.322	2.208	2.192	2.250
2008	3.003	3.001	2.845	2.700	2.826	2.772	2.845	2.843	2.728	2.569	2.659	2.629
2009	2.177	2.174	2.067	1.968	1.899	2.011	1.971	1.969	1.913	1.793	1.791	1.834
2010	2.587	2.584	2.446	2.343	2.247	2.380	2.386	2.383	2.299	2.182	2.150	2.215
2011	3.334	3.331	3.145	3.067	2.940	3.090	3.132	3.128	3.003	2.898	2.837	2.921
2012	3.478	3.473	3.288	3.201	3.175	3.225	3.265	3.259	3.143	2.986	2.961	3.020
2013	3.371	3.365	3.132	3.103	3.071	3.110	3.160	3.152	2.982	2.866	2.882	2.892
2014	3.206	3.202	2.949	2.867	2.642	2.886	3.005	2.996	2.818	2.648	2.661	2.682
2015												
January	2.080	2.080	1.758	1.615	1.486	1.652	1.825	1.824	1.617	1.385	1.435	1.431
February	2.254	2.254	W	1.922	W	1.976	2.023	2.022	1.957	1.688	1.662	1.740
March	2.616	2.615	2.429	2.076	2.124	2.173	2.348	2.346	2.301	1.822	1.817	1.916
April	2.567	2.566	2.420	2.162	2.228	2.231	2.309	2.308	2.267	1.915	1.967	1.984
May	2.954	2.953	2.877	2.429	2.592	2.545	2.664	2.662	2.740	2.166	2.248	2.276
June	2.825	2.825	W	2.450	W	2.513	2.587	2.585	2.544	2.168	2.150	2.237
July	2.947	2.946	W	2.505	W	2.622	2.661	2.660	2.795	2.165	2.208	2.283
August	2.792	2.792	2.612	2.232	2.200	2.329	2.503	2.501	2.477	1.886	1.866	1.996
September	2.472	2.472	W	1.972	W	2.052	2.157	2.155	2.128	1.634	1.645	1.728
October	2.302	2.302	W	1.895	W	1.962	2.008	2.007	1.979	1.577	1.566	1.651
November	2.209	2.209	W	1.765	W	1.836	1.907	1.905	1.864	1.459	1.524	1.537
December	2.162	2.161	2.029	1.725	1.868	1.809	1.841	1.840	1.854	1.412	1.456	1.497
2015	2.516	2.516	2.357	2.066	2.145	2.144	2.242	2.240	2.214	1.777	1.799	1.860
2016												
January	2.126	2.125	W	1.524	W	1.638	1.792	1.790	1.796	1.221	1.307	1.331
February	1.878	1.878	W	1.333	W	1.408	1.554	1.553	1.471	1.066	1.074	1.143
March	2.029	2.028	1.960	1.668	1.712	1.749	1.737	1.736	1.783	1.388	1.377	1.463
April	2.215	2.215	2.064	1.804	1.779	1.873	1.921	1.921	1.895	1.533	1.514	1.601
May	2.293	2.293	2.091	1.915	1.855	1.960	2.012	2.011	1.917	1.645	1.602	1.694
June	2.351	2.351	2.160	1.957	1.992	2.011	2.079	2.078	1.983	1.690	1.619	1.740
July	2.304	2.304	2.045	1.788	1.824	1.856	1.999	1.998	1.884	1.504	1.524	1.574
August	2.172	2.172	W	1.772	W	1.807	1.885	1.885	1.732	1.513	1.479	1.553
September	2.228	2.228	W	1.797	W	1.860	1.931	1.931	1.855	1.523	1.537	1.585

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

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

Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type

million gallons per day

	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.6	0.6	2.1	1.6	0.6	4.3	0.2	0.2	0.7	0.3	W	1.0
1995	7.8	8.1	20.7	W	W	43.3	3.0	3.1	7.4	3.1	-	10.5
1996	10.7	11.1	26.1	20.5	8.0	54.6	3.3	3.4	7.9	3.3	W	11.3
1997	13.4	13.8	28.0	21.7	7.6	57.3	3.6	3.7	7.9	3.1	W	11.0
1998	14.3	14.5	28.6	23.0	8.3	59.9	3.7	3.8	7.4	3.1	W	10.5
1999	14.5	14.8	29.8	26.1	9.6	65.5	3.6	3.7	7.0	3.1	NA	10.2
2000	15.5	15.9	32.1	29.1	8.5	69.6	3.3	3.4	6.2	2.6	-	8.8
2001	16.3	16.7	32.7	30.0	9.0	71.7	3.3	3.3	5.7	2.2	-	7.9
2002	16.9	17.2	33.1	30.4	8.2	71.7	3.3	3.3	5.6	2.1	-	7.6
2003	17.7	18.0	30.9	35.1	7.6	73.6	3.1	3.1	4.1	2.0	-	6.1
2004	16.2	16.5	29.5	39.7	6.1	75.3	2.6	2.6	3.3	2.0	-	5.2
2005	17.1	17.4	27.5	43.5	9.5	80.4	2.6	2.6	2.5	1.8	-	4.2
2006	17.7	18.0	26.8	45.7	3.4	75.9	2.5	2.5	1.9	1.5	-	3.4
2007	17.4	17.6	26.7	45.4	3.8	75.9	2.4	2.4	1.6	1.3	-	2.9
2008	16.6	16.9	25.4	48.1	4.2	77.7	2.0	2.0	1.1	1.1	-	2.2
2009	14.0	14.3	25.8	49.8	3.4	79.0	1.7	1.7	1.0	1.1	-	2.1
2010	11.7	11.9	23.1	54.5	4.2	81.9	1.3	1.3	0.7	1.2	-	1.9
2011	10.8	11.1	19.5	57.6	4.2	81.3	1.2	1.2	0.5	1.1	-	1.6
2012	9.2	9.5	17.4	60.3	4.0	81.7	1.0	1.0	0.5	1.0	-	1.5
2013	7.6	7.9	16.5	59.3	3.5	79.3	0.9	0.9	0.4	1.0	-	1.4
2014	5.5	5.7	14.6	62.0	2.1	78.8	0.7	0.7	0.3	0.9	-	1.2
2015												
January	6.5	6.5	13.5	60.6	2.2	76.3	0.9	0.9	0.2	0.8	-	1.0
February	6.7	6.7	W	62.3	W	78.6	0.9	0.9	0.3	0.8	-	1.1
March	6.7	6.7	14.4	62.2	2.8	79.5	0.9	0.9	0.3	0.8	-	1.1
April	6.7	6.8	14.3	63.3	3.2	80.8	0.9	0.9	0.3	0.8	-	1.1
May	6.9	6.9	14.1	63.6	2.8	80.6	0.9	0.9	0.2	0.9	-	1.1
June	7.0	7.0	W	65.5	W	82.6	0.9	0.9	0.2	0.9	-	1.1
July	6.9	6.9	W	64.3	W	80.9	0.9	0.9	0.2	0.9	-	1.1
August	7.0	7.0	14.3	64.7	3.0	81.9	0.9	0.9	0.2	0.9	-	1.2
September	6.9	6.9	W	63.8	W	81.0	0.9	0.9	0.2	0.8	-	1.1
October	6.9	7.0	W	64.8	W	81.6	0.9	0.9	0.2	0.8	-	1.0
November	6.6	6.6	W	63.2	W	80.4	0.9	0.9	0.2	0.8	-	1.0
December	6.6	6.6	13.8	63.2	3.0	79.9	0.9	0.9	0.2	0.8	-	1.0
2015	6.8	6.8	14.1	63.5	2.8	80.3	0.9	0.9	0.2	0.8	-	1.1
2016												
January	6.4	6.4	W	61.4	W	77.6	0.9	0.9	0.2	0.7	-	1.0
February	6.5	6.5	W	63.5	W	80.2	0.9	0.9	0.2	0.7	-	1.0
March	6.5	6.5	14.0	62.9	3.1	80.1	0.9	0.9	0.2	0.7	-	1.0
April	6.7	6.7	14.2	64.7	2.5	81.4	0.9	0.9	0.2	0.8	-	1.0
May	6.7	6.8	14.1	64.9	3.7	82.7	1.0	1.0	0.2	0.8	-	1.0
June	7.0	7.0	14.0	67.0	4.0	85.0	1.0	1.0	0.2	0.8	-	1.1
July	6.8	6.8	13.8	65.2	3.7	82.8	1.0	1.0	0.2	0.8	-	1.1
August	6.8	6.8	W	66.1	W	83.2	1.0	1.0	0.2	0.8	-	1.1
September	6.9	6.9	W	65.4	W	82.5	1.0	1.0	0.2	0.8	-	1.0

See footnotes at end of table.

Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type (cont.)

million gallons per day

	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
Year month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.2	0.2	1.2	0.5	0.2	1.9	1.0	1.0	4.0	2.4	0.8	7.2
1995	3.1	3.2	12.0	W	W	18.9	14.0	14.4	40.1	25.9	6.6	72.6
1996	3.1	3.2	11.7	5.3	1.5	18.6	17.0	17.6	45.7	29.2	9.6	84.5
1997	3.4	3.5	11.5	5.3	1.5	18.2	20.3	21.0	47.4	30.1	9.1	86.6
1998	3.8	3.9	12.2	W	1.6	19.8	21.8	22.2	48.2	32.0	9.9	90.1
1999	3.4	3.5	11.4	6.3	1.9	19.6	21.5	22.0	48.2	35.6	11.5	95.2
2000	3.0	3.1	9.6	5.4	1.9	16.8	21.9	22.4	47.9	37.0	10.4	95.2
2001	3.2	3.2	9.2	5.4	1.1	15.7	22.7	23.3	47.7	37.6	10.0	95.3
2002	3.4	3.5	9.5	5.6	1.1	16.3	23.6	24.1	48.2	38.0	9.3	95.6
2003	3.5	3.6	8.5	5.9	1.0	15.3	24.2	24.7	43.5	43.0	8.6	95.1
2004	3.1	3.1	7.4	6.0	0.6	14.1	21.9	22.3	40.2	47.7	6.7	94.6
2005	2.8	2.8	6.5	6.0	1.2	13.6	22.6	22.9	36.4	51.2	10.6	98.3
2006	2.7	2.7	5.9	5.9	0.7	12.5	22.9	23.2	34.6	53.1	4.1	91.8
2007	2.6	2.7	5.8	5.9	0.4	12.1	22.4	22.7	34.0	52.6	4.3	90.9
2008	2.4	2.4	5.0	5.4	0.4	10.8	21.0	21.3	31.5	54.6	4.6	90.8
2009	2.3	2.3	5.3	6.1	0.3	11.8	17.9	18.3	32.1	57.1	3.7	92.9
2010	1.9	1.9	4.9	7.4	0.4	12.7	14.9	15.2	28.8	63.1	4.7	96.5
2011	1.7	1.7	3.9	7.7	0.2	11.8	13.7	13.9	23.9	66.4	4.4	94.7
2012	1.5	1.5	3.5	8.4	0.3	12.1	11.7	12.0	21.4	69.7	4.3	95.4
2013	1.4	1.4	3.5	8.7	0.2	12.4	9.9	10.2	20.5	69.0	3.7	93.1
2014	1.2	1.2	3.5	9.4	0.2	13.0	7.5	7.7	18.4	72.3	2.3	93.0
2015												
January	1.5	1.5	3.7	9.7	0.2	13.5	8.8	8.8	17.5	71.0	2.4	90.8
February	1.5	1.5	W	9.8	W	13.7	9.0	9.1	18.2	73.0	2.3	93.4
March	1.5	1.5	3.7	9.8	0.2	13.8	9.1	9.1	18.4	72.9	3.1	94.3
April	1.5	1.5	3.8	10.4	0.3	14.4	9.1	9.2	18.4	74.5	3.4	96.4
May	1.5	1.5	3.6	10.5	0.2	14.3	9.3	9.3	18.0	74.9	3.1	96.0
June	1.5	1.5	W	10.6	W	14.6	9.4	9.5	18.3	76.9	3.1	98.3
July	1.5	1.5	W	10.5	W	14.2	9.3	9.3	17.8	75.6	2.9	96.3
August	1.5	1.5	3.8	10.7	0.2	14.8	9.4	9.4	18.3	76.3	3.2	97.9
September	1.5	1.5	W	10.8	W	14.9	9.3	9.4	18.2	75.5	3.3	97.0
October	1.5	1.5	W	10.9	W	15.0	9.4	9.4	18.2	76.5	2.9	97.6
November	1.5	1.5	W	10.7	W	14.8	9.0	9.1	17.8	74.7	3.7	96.2
December	1.5	1.5	4.0	10.6	0.3	14.8	9.0	9.1	18.0	74.6	3.2	95.8
2015	1.5	1.5	3.8	10.4	0.2	14.4	9.2	9.2	18.1	74.7	3.0	95.8
2016												
January	1.5	1.5	W	10.1	W	14.2	8.7	8.7	17.3	72.2	3.2	92.8
February	1.6	1.6	W	10.9	W	15.6	9.0	9.0	18.4	75.1	3.3	96.8
March	1.6	1.6	4.1	10.7	0.3	15.1	9.0	9.0	18.4	74.3	3.4	96.2
April	1.6	1.6	4.1	11.0	0.4	15.5	9.2	9.2	18.6	76.5	2.9	98.0
May	1.6	1.6	4.2	11.2	0.3	15.7	9.3	9.3	18.5	77.0	4.0	99.5
June	1.6	1.6	4.1	11.5	0.3	15.9	9.6	9.7	18.4	79.3	4.3	102.0
July	1.6	1.6	4.1	11.4	0.3	15.8	9.3	9.4	18.2	77.5	4.0	99.7
August	1.6	1.6	W	11.6	W	16.2	9.4	9.5	18.7	78.6	3.1	100.4
September	1.7	1.7	W	11.3	W	15.7	9.5	9.5	18.3	77.5	3.3	99.2

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 16. U.S. refiner residual fuel oil prices

dollars per gallon excluding taxes

	Sulfur less than or equal to 1%		Sulfur greater than 1%		Average	
Year month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1985	0.644	0.610	0.582	0.560	0.610	0.577
1986	0.372	0.328	0.317	0.289	0.343	0.305
1987	0.447	0.412	0.396	0.362	0.423	0.385
1988	0.372	0.333	0.300	0.271	0.334	0.300
1989	0.436	0.407	0.344	0.331	0.385	0.360
1990	0.505	0.472	0.400	0.372	0.444	0.413
1991	0.402	0.364	0.306	0.292	0.340	0.314
1992	0.389	0.351	0.312	0.286	0.336	0.308
1993	0.397	0.337	0.303	0.256	0.337	0.293
1994	0.401	0.345	0.330	0.287	0.352	0.317
1995	0.436	0.383	0.377	0.338	0.392	0.363
1996	0.526	0.456	0.433	0.389	0.455	0.420
1997	0.488	0.415	0.403	0.366	0.423	0.387
1998	0.354	0.299	0.287	0.269	0.305	0.280
1999	0.405	0.382	0.362	0.329	0.374	0.354
2000	0.708	0.627	0.566	0.512	0.602	0.566
2001	0.642	0.523	0.492	0.428	0.531	0.476
2002	0.640	0.546	0.544	0.508	0.569	0.530
2003	0.804	0.728	0.651	0.588	0.698	0.661
2004	0.835	0.764	0.692	0.601	0.739	0.681
2005	1.168	1.115	0.974	0.842	1.048	0.971
2006	1.342	1.202	1.173	1.085	1.218	1.136
2007	1.436	1.406	1.350	1.314	1.374	1.350
2008	2.144	1.918	1.889	1.843	1.964	1.866
2009	1.413	1.337	1.306	1.344	1.341	1.342
2010	1.920	1.756	1.619	1.679	1.713	1.697
2011	2.736	2.389	2.257	2.316	2.401	2.336
2012	3.025	2.548	2.433	2.429	2.592	2.457
2013	2.883	2.363	2.353	2.249	2.482	2.278
2014	2.694	2.153	2.221	1.996	2.325	2.044
2015						
January	NA	0.936	1.192	1.038	1.264	1.023
February	NA	1.150	1.342	1.124	1.376	1.126
March	NA	1.093	1.436	1.131	1.465	1.126
April	1.704	1.124	1.465	1.114	1.516	1.114
May	NA	1.198	1.443	1.242	1.543	1.234
June	W	1.175	1.474	1.239	1.549	1.233
July	W	1.080	1.245	1.130	1.363	1.122
August	W	0.797	1.150	0.928	1.207	0.918
September	W	0.819	1.063	0.856	1.107	0.852
October	NA	0.812	1.041	0.840	1.094	0.836
November	W	0.766	1.001	0.791	1.043	0.787
December	W	0.552	0.861	0.639	0.919	0.633
2015	1.529	0.971	1.227	0.999	1.285	0.996
2016						
January	W	0.477	0.641	0.502	0.710	0.499
February	NA	0.475	0.606	0.508	0.632	0.504
March	NA	0.582	0.672	0.555	0.693	0.558
April	W	0.633	0.734	0.614	0.782	0.616
May	W	0.729	0.868	0.722	0.922	0.723
June	W	0.850	0.911	0.823	0.983	0.825
July	W	0.876	0.948	0.834	1.030	0.835
August	W	0.842	0.924	0.811	0.990	0.815
September	W	0.852	1.057	0.851	1.074	0.851

NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

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

Table 17. U.S. refiner residual fuel oil volumes

million gallons per day

	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total	
Year month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1985	11.4	7.0	13.8	12.9	25.2	19.9
1986	15.2	7.9	16.4	10.7	31.6	18.6
1987	15.1	7.8	13.9	9.1	29.0	16.9
1988	14.2	8.7	15.9	10.3	30.2	18.9
1989	13.4	7.9	17.0	13.1	30.4	21.0
1990	11.1	7.4	14.9	10.5	25.9	17.9
1991	8.6	5.6	15.5	12.2	24.0	17.8
1992	7.1	5.2	15.3	10.0	22.4	15.2
1993	6.2	5.7	11.1	6.9	17.2	12.6
1994	4.2	6.6	9.3	6.2	13.5	12.8
1995	2.9	7.7	8.7	5.9	11.6	13.6
1996	3.1	6.3	9.8	7.4	12.9	13.8
1997	3.2	4.8	10.3	6.7	13.4	11.5
1998	3.9	5.7	10.5	9.6	14.4	15.4
1999	3.9	5.3	10.0	6.2	13.9	11.5
2000	3.3	4.9	9.8	5.6	13.1	10.5
2001	3.8	5.2	11.0	5.1	14.8	10.3
2002	2.7	5.1	7.8	3.7	10.4	8.8
2003	3.3	3.5	7.4	3.2	10.7	6.7
2004	3.4	2.9	6.8	3.0	10.2	5.9
2005	4.0	2.2	6.4	2.5	10.4	4.7
2006	2.8	2.8	7.6	3.6	10.4	6.5
2007	3.1	3.2	7.8	5.0	10.9	8.2
2008	2.5	2.9	5.9	6.6	8.4	9.5
2009	2.8	2.9	5.7	6.9	8.5	9.8
2010	2.4	2.6	5.2	8.1	7.6	10.7
2011	1.9	3.4	4.5	8.8	6.4	12.2
2012	1.5	2.1	4.0	6.8	5.5	8.8
2013	1.3	2.3	3.9	6.7	5.2	9.0
2014	1.0	2.4	3.6	5.6	4.6	8.0
2015						
January	NA	1.0	3.1	5.5	3.6	6.5
February	NA	0.7	3.1	7.0	3.7	7.7
March	NA	1.0	3.2	6.8	3.5	7.8
April	1.0	0.6	3.6	7.0	4.6	7.6
May	NA	1.4	3.0	6.6	3.9	8.0
June	W	0.9	W	8.0	4.6	8.9
July	W	1.2	W	7.1	3.6	8.3
August	W	0.7	W	8.4	4.3	9.1
September	W	0.9	W	7.2	4.5	8.1
October	NA	1.2	2.9	7.0	3.7	8.2
November	W	1.2	W	6.8	4.4	8.0
December	W	0.6	W	8.3	4.0	8.9
2015	0.8	0.9	3.3	7.1	4.0	8.1
2016						
January	W	1.0	W	8.3	4.1	9.3
February	NA	1.2	3.4	8.2	3.9	9.3
March	NA	0.7	3.3	8.5	4.1	9.2
April	W	1.2	W	7.8	4.2	9.0
May	W	1.3	W	8.6	3.9	9.9
June	W	0.6	W	8.3	3.8	8.9
July	W	0.3	W	7.4	4.3	7.6
August	W	0.9	W	7.2	4.4	8.1
September	W	0.5	W	6.6	4.8	7.1

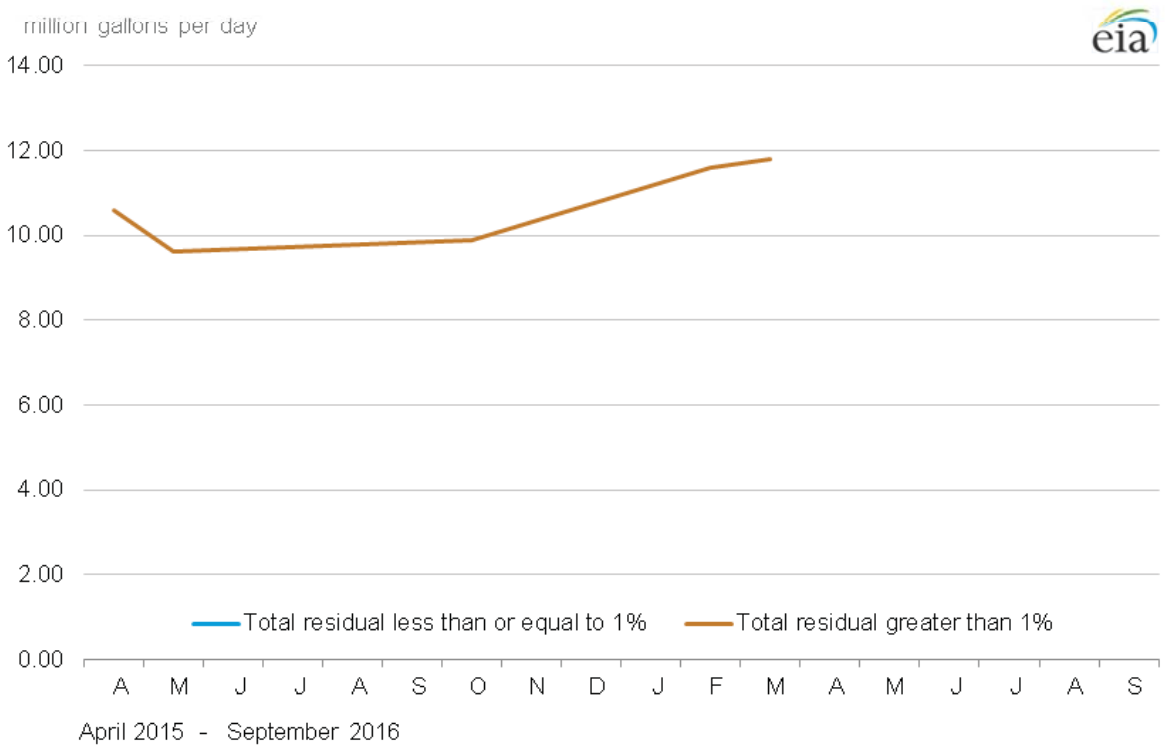
NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Figure 7. U.S. Refiner residual fuel oil prices and volumes



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

Crude Oil Prices

Table 18. Domestic crude oil first purchase prices

dollars per barrel

	U.S. Average		PAD District 1				PAD District 2						
Year month	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
1996	18.46	19.41	20.82	20.95	20.99	19.59	20.33	20.86	20.67	20.47	20.24	20.32	19.57
1997	17.23	17.92	19.25	18.49	18.79	17.56	18.60	19.11	18.73	18.63	17.97	18.75	18.10
1998	10.87	11.51	13.21	13.66	13.67	11.95	12.29	12.78	12.49	12.19	11.67	12.39	11.50
1999	15.56	16.38	17.36	18.65	18.49	16.46	17.27	17.37	17.31	17.08	16.68	16.63	17.21
2000	26.72	27.48	28.12	28.78	28.80	27.12	28.49	28.14	27.91	28.16	26.47	28.12	27.97
2001	21.84	22.77	23.98	24.19	24.82	22.35	23.95	23.76	23.46	23.56	22.53	22.69	23.67
2002	22.51	23.33	23.94	24.28	24.86	22.55	24.05	23.84	23.43	23.61	22.49	23.68	23.62
2003	27.56	28.47	29.12	28.91	29.60	28.06	29.24	29.10	28.38	28.68	27.21	29.18	28.63
2004	36.77	37.63	39.08	39.40	39.48	38.38	39.40	38.74	38.18	39.18	36.82	39.14	38.42
2005	50.28	51.02	53.84	54.64	54.57	53.75	53.33	51.20	51.02	53.41	49.45	53.67	52.38
2006	59.69	60.22	63.99	63.51	64.02	63.07	60.48	59.70	59.31	60.74	58.33	60.89	57.77
2007	66.52	67.04	69.00	69.46	70.00	67.27	67.16	65.66	65.47	66.85	63.60	66.87	62.78
2008	94.04	94.72	96.60	W	96.76	95.07	92.51	93.48	91.92	92.08	90.87	95.75	87.99
2009	56.35	56.65	56.56	W	56.96	55.77	55.00	55.47	55.65	54.41	55.24	56.39	50.93
2010	74.71	75.04	71.74	W	69.80	70.74	72.45	73.18	72.82	72.43	70.63	74.91	69.65
2011	95.73	95.35	90.77	W	87.16	86.56	89.38	88.73	88.15	88.52	86.00	92.40	85.48
2012	94.52	94.11	91.19	W	88.41	87.16	86.29	88.74	88.62	87.85	87.02	90.91	84.95
2013	95.99	96.00	92.45	W	89.84	91.26	91.64	92.94	93.04	91.85	91.17	96.50	87.44
2014													
January	89.57	89.27	85.56	W	83.51	86.00	85.76	89.79	89.86	88.75	87.16	89.57	84.18
February	96.86	96.97	90.65	W	88.00	90.49	93.29	95.21	95.21	94.37	93.44	95.64	90.17
March	96.17	96.26	91.27	W	88.18	92.82	93.16	95.47	95.30	94.68	93.75	95.89	90.36
April	96.49	96.48	92.78	W	90.17	94.27	94.63	96.92	96.79	96.29	96.64	97.58	91.86
May	95.74	95.72	91.77	W	89.00	93.68	94.76	96.72	96.49	95.97	96.18	98.68	91.55
June	98.68	98.59	94.27	W	91.68	95.21	98.00	99.93	99.69	99.36	99.54	101.89	94.73
July	96.70	96.77	91.60	W	90.15	91.20	94.75	97.44	97.30	96.62	97.26	99.22	91.99
August	90.72	90.77	84.77	W	83.77	82.62	89.38	91.31	91.16	90.11	91.25	93.22	85.04
September	86.87	86.85	83.88	W	84.48	80.07	85.00	88.14	98.27	86.91	87.89	W	82.14
October	78.84	79.07	73.01	W	72.24	71.17	77.41	79.71	79.78	78.52	79.88	82.59	73.64
November	71.07	71.35	63.42	W	62.53	61.32	68.91	70.82	71.09	69.73	71.34	72.02	64.88
December	54.86	55.38	46.03	W	45.31	43.91	52.09	54.33	54.75	53.36	55.13	54.69	49.51
2014	87.39	87.45	82.20	W	80.07	82.46	85.01	87.66	87.88	86.80	86.61	89.46	82.82
2015													
January	43.06	43.29	34.35	W	34.07	31.81	39.72	43.37	43.57	42.18	44.25	43.18	38.30
February	44.35	44.43	35.46	W	33.87	34.44	43.00	45.66	46.08	44.92	46.88	46.33	41.18
March	42.66	42.80	32.49	W	32.20	29.57	40.24	42.66	43.09	41.66	44.06	43.11	38.20
April	49.30	49.38	41.47	W	41.19	38.14	46.97	48.82	49.38	47.70	50.15	50.41	44.71
May	54.38	54.53	46.58	W	46.03	43.75	52.11	54.24	54.59	53.13	55.24	55.42	50.24
June	55.88	56.01	47.23	W	46.95	43.82	53.90	54.61	54.85	53.73	55.60	55.79	50.61
July	47.70	47.82	41.03	W	44.50	35.77	45.74	46.54	47.46	45.51	48.28	47.60	42.47
August	39.98	40.20	32.48	W	37.82	26.62	36.70	38.46	39.13	37.48	39.95	39.52	34.32
September	41.60	41.74	36.31	W	40.28	31.95	38.93	40.64	40.93	39.76	41.82	42.12	36.84
October	42.34	42.57	36.90	W	40.71	32.17	40.57	41.77	42.20	40.83	42.81	44.19	37.90
November	38.19	38.45	32.96	W	36.09	30.23	37.49	38.21	38.62	37.34	39.16	40.68	34.62
December	32.26	32.62	27.45	W	31.65	24.17	31.45	32.94	33.41	31.78	33.71	35.69	29.31
2015	44.39	44.58	37.65	W	38.98	33.72	42.44	43.97	44.51	43.16	45.38	45.38	40.10
2016													
January	27.02	27.39	22.06	W	26.37	18.94	25.85	27.90	28.47	26.72	28.80	29.56	24.26
February	25.51	25.83	20.70	W	25.27	17.38	24.06	26.12	26.31	25.19	27.73	28.35	22.83
March	31.87	32.13	29.80	W	33.03	25.64	31.44	33.25	33.18	32.64	34.18	35.43	30.58
April	35.59	35.82	29.39	W	35.93	23.80	35.19	36.49	36.50	35.45	37.23	41.33	33.70
May	41.02	41.24	38.97	W	40.70	36.44	40.73	42.30	42.16	41.46	42.89	47.05	39.61
June	43.96	44.35	40.49	W	43.94	35.98	43.70	44.18	44.26	43.44	45.44	49.20	41.46
July	40.70	41.16	37.24	W	40.58	34.34	40.32	40.71	40.99	39.88	41.45	45.11	38.24
August	40.46	40.83	37.38	W	40.51	34.14	39.68	40.75	40.82	39.77	41.53	45.16	38.28
September	40.54	40.91	38.57	W	40.67	35.49	39.85	40.78	40.85	39.85	41.73	45.59	38.34

See footnotes at end of table.

Table 18. Domestic crude oil first purchase prices (cont.)

dollars per barrel

	PAD District 2 (cont.)				PAD District 3							
Year month	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	Federal Offshore Gulf
1996	19.46	19.96	20.60	19.56	20.29	20.24	18.67	20.88	18.95	20.79	20.31	20.03
1997	17.63	17.77	19.05	17.80	18.69	18.58	17.58	19.22	16.94	19.02	18.66	18.63
1998	11.39	12.20	12.73	12.29	12.19	12.08	11.10	12.59	10.33	12.36	12.28	12.03
1999	16.70	16.41	17.77	16.86	17.07	16.71	15.89	17.73	15.42	17.46	17.29	16.66
2000	28.19	27.49	29.08	28.18	28.22	27.63	26.98	29.03	26.23	28.80	28.60	27.59
2001	23.55	22.55	24.68	23.89	23.43	23.18	21.82	24.51	21.13	23.72	23.41	23.29
2002	24.15	22.61	24.49	23.96	23.74	23.39	21.50	24.84	22.11	24.11	23.77	23.49
2003	29.27	28.18	29.72	28.94	29.08	28.97	26.57	30.52	27.46	29.52	29.13	28.72
2004	39.30	38.27	39.95	38.40	38.41	38.79	36.67	40.48	37.03	39.25	38.79	37.07
2005	52.38	53.47	54.46	50.65	51.96	53.26	50.86	54.05	49.58	52.84	52.61	49.78
2006	56.69	62.89	63.11	51.85	61.49	63.16	58.67	64.23	59.35	61.74	61.31	60.80
2007	65.30	68.09	69.31	62.78	68.37	71.10	64.25	71.63	68.65	68.94	68.30	67.40
2008	88.68	96.43	96.15	87.42	97.64	96.71	90.91	100.89	94.60	96.23	96.85	99.10
2009	53.75	56.35	56.56	50.75	57.77	55.25	53.07	59.18	58.29	57.08	57.40	58.22
2010	70.26	73.68	75.18	69.04	76.57	75.54	71.01	78.25	76.41	75.64	76.23	77.06
2011	88.74	90.79	90.94	87.08	96.79	105.99	87.61	106.20	100.43	90.93	91.99	105.65
2012	84.06	92.87	89.97	83.10	96.11	104.81	89.39	105.97	100.80	88.01	92.50	105.95
2013	90.22	94.89	94.25	89.28	97.53	103.10	92.98	105.18	100.44	92.13	95.80	103.29
2014												
January	82.70	87.36	90.81	81.51	90.01	91.34	87.75	96.45	93.23	88.63	90.40	88.11
February	91.68	92.40	96.40	93.89	98.39	100.04	93.65	104.87	100.34	94.46	97.40	101.81
March	91.17	92.98	96.84	91.94	97.28	98.14	93.95	103.28	99.65	93.08	95.89	102.01
April	92.37	94.51	98.82	91.33	97.06	98.94	95.22	103.94	100.05	91.43	95.94	101.18
May	92.94	93.38	98.35	93.45	95.82	96.61	94.23	102.29	98.83	91.17	94.73	99.36
June	96.25	96.37	101.72	94.85	98.81	100.41	97.38	105.47	102.32	94.79	98.16	100.91
July	92.51	94.04	99.24	91.92	97.80	98.27	94.89	103.37	100.18	93.94	96.56	101.65
August	87.66	87.34	93.47	84.71	91.58	94.24	88.51	98.16	94.87	84.42	89.39	99.17
September	83.45	83.18	87.84	82.12	87.90	90.81	81.31	94.32	92.08	79.82	86.16	94.35
October	75.64	74.96	81.46	74.04	80.38	81.96	77.39	85.19	83.26	74.10	78.30	87.47
November	67.26	65.53	72.83	67.23	72.81	72.51	69.25	76.53	74.68	67.32	70.46	80.98
December	50.51	48.78	55.81	50.41	57.41	57.12	52.58	59.36	56.88	54.25	54.69	66.27
2014	82.89	83.95	89.25	82.78	88.43	89.73	85.23	94.13	90.81	83.44	87.02	93.33
2015												
January	37.52	35.42	44.36	40.04	45.23	43.24	41.41	46.64	45.21	42.63	43.43	51.57
February	41.31	37.20	46.94	43.61	45.21	44.00	44.57	48.92	47.49	44.37	44.66	46.61
March	38.77	35.31	43.46	40.76	43.81	42.51	41.94	47.36	45.47	42.11	42.89	47.12
April	46.08	43.94	48.92	47.04	50.57	50.89	48.45	54.91	52.88	48.19	49.82	53.23
May	51.08	49.23	54.44	52.23	55.68	55.46	53.46	60.12	57.81	53.98	55.21	57.33
June	53.41	50.76	55.42	53.48	57.16	56.38	53.36	60.99	58.57	54.77	56.15	61.02
July	45.21	40.56	47.69	46.21	48.71	47.89	45.71	51.52	49.06	47.29	48.15	50.43
August	35.67	31.73	39.49	38.09	41.64	39.82	36.99	43.09	40.60	39.98	40.16	46.21
September	37.78	34.90	41.67	39.64	42.96	41.98	39.71	45.53	43.02	43.03	42.99	42.66
October	39.78	36.27	42.64	41.03	43.61	42.06	40.64	45.90	43.44	43.81	43.55	43.54
November	36.98	32.98	39.16	37.89	39.06	36.51	36.89	40.77	38.54	38.63	38.79	39.94
December	30.67	28.21	33.16	30.46	33.23	32.08	31.50	34.77	32.79	31.98	32.36	35.88
2015	41.42	38.40	44.96	42.73	45.61	44.55	43.04	48.43	46.81	44.40	44.95	47.67
2016												
January	24.80	22.66	27.84	24.32	28.15	26.95	26.11	29.50	27.69	27.36	27.36	30.54
February	22.72	22.22	26.40	23.34	26.56	25.39	24.66	28.10	26.13	26.48	26.47	26.75
March	30.35	30.64	33.09	30.56	32.38	31.96	32.30	34.98	33.13	32.83	33.01	30.14
April	34.54	31.45	36.45	33.60	36.19	35.79	35.07	38.81	36.78	36.06	36.56	34.99
May	39.47	40.19	42.71	39.60	41.52	41.58	40.80	44.53	42.52	42.04	42.52	38.48
June	42.80	43.41	45.33	42.48	44.94	44.90	42.75	47.30	44.78	44.91	45.35	43.64
July	39.58	39.59	41.80	38.72	41.82	40.79	38.99	43.21	41.16	41.17	41.62	42.54
August	38.53	39.24	41.63	38.66	R41.39	40.46	38.81	43.00	40.94	R41.07	41.44	41.29
September	38.70	39.89	41.71	38.86	41.39	40.57	38.80	43.07	41.03	41.23	41.55	40.94

See footnotes at end of table.

Table 18. Domestic crude oil first purchase prices (cont.)

dollars per barrel

	PAD District 4					PAD District 5				
Year month	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore CA
1996	19.85	20.47	18.89	21.10	19.56	15.73	15.32	18.43	16.72	13.82
1997	17.80	19.03	17.00	18.57	17.41	15.06	14.84	17.43	15.78	12.97
1998	11.38	12.56	11.28	12.52	10.70	8.80	8.47	11.55	9.55	6.99
1999	16.79	17.37	16.54	17.69	16.47	13.10	12.46	17.44	14.08	11.78
2000	27.60	28.85	27.82	28.53	26.89	24.16	23.62	28.23	24.82	23.32
2001	22.73	24.82	23.16	24.09	21.55	19.03	18.18	23.30	20.11	18.38
2002	23.01	25.29	22.76	23.87	21.96	20.39	19.37	24.47	21.87	19.03
2003	28.09	30.71	28.66	28.88	26.63	24.97	23.78	28.48	26.43	24.25
2004	37.34	40.38	38.53	39.35	35.10	33.69	33.03	38.76	34.47	32.23
2005	50.65	55.34	52.66	53.98	45.63	47.03	47.05	54.19	47.08	43.48
2006	57.38	63.80	56.69	59.70	53.25	57.03	56.86	64.10	57.34	53.37
2007	62.54	67.04	64.64	62.48	58.34	64.24	63.69	69.60	65.07	59.39
2008	88.23	90.80	89.96	86.58	86.07	90.16	90.10	95.04	90.47	85.68
2009	52.16	52.33	52.96	50.22	52.30	55.23	54.41	W	56.11	53.59
2010	69.72	72.75	70.24	68.09	68.10	73.29	72.33	W	74.51	69.80
2011	85.64	88.26	88.61	82.53	83.45	100.39	98.79	W	102.50	96.01
2012	82.91	85.78	82.98	82.73	80.70	101.33	98.70	W	104.10	97.04
2013	87.16	90.10	88.73	84.79	85.30	99.08	95.79	W	102.53	91.40
2014										
January	81.70	84.37	80.27	81.32	80.27	95.10	93.17	W	97.41	86.54
February	88.26	86.84	91.29	85.73	89.54	98.74	95.41	W	102.16	91.16
March	88.83	90.68	90.05	85.40	88.44	98.63	94.91	W	101.99	91.74
April	89.66	92.39	90.15	86.28	88.92	99.32	96.59	W	102.27	91.61
May	90.00	91.55	90.97	86.22	89.97	99.00	96.08	W	102.01	90.78
June	92.08	92.45	92.82	89.45	92.49	102.02	100.11	W	104.08	92.99
July	89.49	91.23	89.66	86.34	89.17	98.18	95.34	W	100.58	89.75
August	83.71	86.74	82.98	81.82	82.30	92.35	89.71	W	94.62	83.42
September	80.78	83.59	79.59	78.25	80.01	88.22	87.15	W	89.84	78.90
October	73.87	76.15	72.58	70.79	73.54	77.18	75.43	W	79.17	68.22
November	67.38	68.68	65.46	66.00	67.52	68.69	66.80	W	70.11	59.16
December	50.12	50.89	47.69	51.72	49.69	50.61	46.73	W	53.77	42.59
2014	80.92	82.48	80.54	79.04	80.54	89.30	86.41	W	92.14	80.55
2015										
January	37.74	38.53	36.91	38.04	37.17	41.49	39.32	W	42.93	32.04
February	40.07	39.84	39.99	38.69	40.85	44.85	43.03	W	47.02	35.65
March	39.44	38.68	37.38	46.04	38.32	43.10	40.44	W	44.95	34.68
April	45.38	44.75	45.26	47.87	44.96	49.19	48.06	W	50.81	41.17
May	49.59	49.20	50.06	47.65	50.60	54.40	51.76	W	56.91	47.26
June	51.20	50.17	52.07	49.40	52.51	55.59	53.38	W	57.25	W
July	44.39	44.05	44.21	43.26	45.14	47.61	45.53	W	49.17	W
August	34.91	34.97	34.89	33.78	35.33	39.29	35.53	W	41.66	W
September	36.94	38.12	36.88	35.87	36.40	41.17	39.15	W	42.87	W
October	38.92	39.75	38.92	36.71	39.09	40.52	38.70	W	42.20	W
November	35.76	36.81	36.08	34.23	35.49	36.41	34.30	W	38.38	W
December	30.01	31.21	29.89	29.88	29.19	30.07	26.92	W	32.95	W
2015	40.58	40.51	40.38	40.69	40.64	43.58	41.11	W	45.63	37.62
2016										
January	24.42	24.17	23.92	26.10	24.13	24.57	21.65	W	27.15	W
February	23.93	23.18	22.16	28.06	23.45	23.42	20.89	W	25.75	W
March	30.86	31.64	29.68	32.68	29.89	30.56	28.12	W	32.89	W
April	34.19	35.40	33.38	33.38	33.68	33.97	32.02	W	35.69	W
May	39.74	41.31	38.90	38.42	39.16	39.59	37.81	W	41.31	W
June	42.95	44.07	41.90	42.01	42.69	40.17	37.90	W	42.12	W
July	39.67	41.59	38.35	38.29	39.07	36.36	33.32	W	38.76	W
August	39.22	41.23	37.45	38.26	38.53	R37.46	34.27	W	R40.05	W
September	39.41	40.61	37.50	39.06	39.07	37.78	34.47	W	40.47	W

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

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

Table 19. Domestic crude oil first purchase prices for selected crude streams

dollars per barrel

Year month	Alaska North Slope	California Kern River	California Midway-Sunset	Heavy Louisiana Sweet	Louisiana Light Sweet	Mars Blend	West Texas Intermediate	West Texas Sour	Wyoming Sweet
1996	15.32	15.97	15.70	-	-	-	20.96	19.49	-
1997	14.84	15.02	14.88	-	-	-	19.27	17.77	-
1998	8.47	8.59	8.48	-	-	-	12.89	11.50	-
1999	12.46	14.02	12.22	-	-	-	17.78	16.66	-
2000	23.62	23.88	23.56	-	-	-	29.16	27.66	-
2001	18.18	19.03	19.50	-	-	-	24.62	22.10	-
2002	19.37	19.80	22.81	-	-	-	24.33	23.23	-
2003	23.78	25.24	26.67	-	-	-	29.60	28.18	30.11
2004	33.03	33.42	33.74	37.78	40.24	34.53	39.55	37.29	39.52
2005	47.05	44.67	45.93	51.61	51.95	46.13	53.90	50.72	53.94
2006	56.86	55.05	54.59	63.41	64.04	57.35	63.16	59.03	60.52
2007	63.69	62.14	61.62	70.00	72.93	63.37	69.59	65.56	64.79
2008	90.10	87.27	86.92	103.96	104.51	93.40	97.39	95.31	89.30
2009	54.41	53.94	53.00	58.61	61.26	57.21	57.27	56.63	51.68
2010	72.33	72.80	72.26	78.16	79.28	75.43	76.63	75.03	70.43
2011	98.79	103.14	100.96	106.74	108.48	105.30	92.18	90.77	87.42
2012	98.70	103.41	103.05	106.77	107.53	105.03	91.36	87.94	84.81
2013	95.79	101.33	101.02	105.73	106.32	100.80	95.26	92.51	90.10
2014									
January	93.17	96.00	94.96	96.73	89.39	91.99	90.21	89.55	86.53
February	95.41	100.89	99.88	105.38	104.77	101.11	96.71	95.69	92.80
March	94.91	100.44	99.63	103.09	103.07	100.60	94.65	94.33	91.81
April	96.59	101.28	100.30	102.45	103.26	100.08	94.68	93.46	92.07
May	96.08	100.68	99.46	101.40	102.00	97.26	93.53	92.62	92.44
June	100.11	103.03	101.87	102.96	104.88	99.79	97.40	96.48	94.38
July	95.34	99.38	98.05	103.76	103.08	99.86	95.67	95.35	91.18
August	89.71	93.13	91.99	100.00	98.31	95.54	87.67	85.86	84.78
September	87.15	89.12	87.92	95.84	95.53	93.28	83.51	83.58	81.66
October	75.43	78.35	77.15	87.72	86.41	84.57	76.99	75.66	74.43
November	66.80	69.41	68.01	89.09	78.17	85.47	69.63	69.68	68.99
December	46.73	52.85	51.58	65.53	62.03	65.79	54.89	56.49	50.86
2014	86.41	90.38	89.34	95.53	94.37	92.50	85.90	85.66	82.19
2015									
January	39.32	41.97	40.79	50.41	48.48	48.22	43.25	44.06	38.71
February	43.03	46.13	44.95	47.99	48.64	44.90	44.76	45.56	41.67
March	40.44	44.28	43.17	49.05	47.53	45.35	43.00	43.38	38.72
April	48.06	50.32	48.22	54.66	54.87	55.90	49.12	49.59	45.97
May	51.76	55.26	54.54	59.83	59.84	56.27	54.50	55.62	51.35
June	53.38	56.53	55.31	62.74	61.14	61.07	55.48	56.75	52.63
July	45.53	48.18	47.00	45.87	52.31	51.65	47.79	49.93	45.51
August	35.53	40.85	39.85	45.22	44.30	43.76	40.13	41.61	36.68
September	39.15	42.92	40.65	43.57	45.02	40.47	42.78	44.38	38.82
October	38.70	41.31	40.33	45.13	42.33	41.32	43.46	45.28	40.49
November	34.30	37.43	36.32	40.45	40.48	37.03	38.82	39.84	37.63
December	26.92	31.80	30.33	35.60	34.92	32.90	32.23	32.99	30.93
2015	41.11	44.71	43.81	47.83	47.91	46.27	44.58	45.78	41.77
2016									
January	21.65	26.39	24.98	30.14	29.26	27.73	27.32	28.66	25.36
February	20.89	24.58	23.07	28.27	27.36	23.93	26.52	27.48	25.09
March	28.12	31.85	31.35	33.12	34.04	28.54	32.75	33.67	32.31
April	32.02	34.66	34.11	37.79	37.78	32.97	36.19	36.63	35.94
May	37.81	40.15	39.20	42.27	43.19	37.12	42.18	42.34	41.89
June	37.90	40.44	39.12	46.40	46.25	41.60	44.98	45.30	44.57
July	33.32	37.10	37.22	43.12	42.93	40.20	41.24	41.68	40.99
August	34.27	39.46	R38.61	42.71	42.23	39.14	41.16	41.53	40.83
September	34.47	39.45	38.53	42.60	42.14	38.70	41.36	40.88	41.21

- = No data reported.

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

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

Table 20. Domestic crude oil first purchase prices by API gravity

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 or greater
1996	16.01	18.61	15.35	19.97	20.23	20.91
1997	15.44	16.27	14.87	18.38	18.62	19.26
1998	9.22	9.62	8.50	12.03	12.17	12.80
1999	14.00	15.30	12.50	16.92	17.18	17.64
2000	24.42	25.64	23.64	28.10	28.36	29.09
2001	19.53	19.59	18.18	23.31	23.99	24.43
2002	21.08	20.80	19.39	23.62	23.94	24.26
2003	25.82	25.56	23.80	28.77	29.21	29.66
2004	33.38	35.02	33.21	37.24	39.33	39.97
2005	45.01	46.33	47.09	50.81	53.14	54.06
2006	54.96	57.89	56.18	60.78	61.83	61.86
2007	62.00	64.94	62.83	67.14	69.29	69.17
2008	87.10	91.01	89.55	98.41	96.69	94.95
2009	54.05	55.66	54.30	57.66	56.93	56.66
2010	72.40	75.04	71.78	76.22	76.03	74.48
2011	101.30	103.07	97.12	99.65	94.54	91.87
2012	102.79	101.56	96.64	98.48	93.12	91.01
2013	99.40	100.70	94.13	99.11	96.24	94.76
2014						
January	93.98	96.24	91.42	92.71	90.01	87.95
February	98.33	101.22	94.36	100.74	97.23	95.85
March	98.98	100.83	93.77	99.62	95.56	95.01
April	98.87	101.98	95.35	98.83	95.71	95.91
May	98.28	101.50	95.06	97.33	94.67	95.25
June	100.49	103.84	98.96	100.14	98.07	98.53
July	96.90	100.13	94.13	99.79	96.02	95.93
August	90.57	93.95	88.18	94.03	88.81	90.33
September	86.68	88.00	86.13	90.89	84.85	85.80
October	76.09	79.34	75.11	82.87	77.72	78.17
November	67.34	70.91	66.56	77.34	70.35	70.14
December	50.48	54.60	46.60	61.48	54.91	53.32
2014	87.83	91.05	85.48	90.95	86.56	86.12
2015						
January	39.71	43.76	38.68	48.02	43.13	40.87
February	43.58	47.53	42.55	46.40	44.82	43.58
March	42.35	44.43	40.02	46.14	42.85	41.39
April	47.96	51.00	47.49	52.96	49.34	48.87
May	54.11	57.30	51.45	57.21	54.69	54.04
June	56.18	57.25	53.28	59.88	55.73	55.41
July	47.95	49.38	45.38	47.99	47.99	46.86
August	40.76	41.02	35.09	43.65	40.15	38.18
September	42.34	42.74	38.20	42.93	42.52	40.81
October	41.25	42.49	38.34	44.48	43.00	41.79
November	37.26	38.86	33.90	39.32	38.94	37.79
December	31.39	34.15	26.70	34.00	32.56	31.65
2015	43.88	45.71	40.73	46.82	44.67	43.65
2016						
January	26.13	27.33	21.54	28.96	27.31	26.41
February	24.37	25.95	20.75	26.67	26.41	24.81
March	31.93	33.32	27.70	31.90	32.98	31.97
April	34.72	35.99	31.68	35.92	36.51	35.82
May	40.00	41.97	37.41	40.94	42.41	41.44
June	40.44	43.04	37.93	44.51	45.16	44.46
July	37.34	39.42	33.47	41.82	41.55	40.97
August	39.18	R40.46	34.17	41.22	41.40	40.44
September	39.39	40.76	34.40	40.88	41.55	40.68

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

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

Table 21. F.O.B.[a] costs of imported crude oil by selected country

dollars per barrel

	Selected countries									
Year month	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Persian Gulf[b]	Total OPEC[c]	Non OPEC
1996	20.71	21.33	19.14	21.27	19.28	19.43	17.73	19.22	18.94	19.65
1997	18.81	18.85	16.72	19.43	15.16	18.59	15.33	15.24	16.26	17.51
1998	12.11	12.56	10.49	12.97	8.87	12.52	9.31	9.09	10.20	11.21
1999	17.46	17.20	15.89	17.32	17.65	19.14	14.33	17.15	15.90	16.84
2000	27.90	29.04	25.39	28.70	24.62	27.21	24.45	24.72	25.56	26.77
2001	23.25	24.25	18.89	24.85	18.98	23.30	18.01	18.89	19.73	21.04
2002	24.09	24.64	21.60	25.38	23.92	24.50	20.13	23.38	22.18	22.93
2003	28.22	28.89	24.83	29.40	25.03	28.76	23.81	25.17	25.36	26.21
2004	37.26	37.73	31.55	38.71	34.08	37.30	31.78	33.08	33.95	33.58
2005	52.48	51.89	43.00	55.95	47.96	54.48	46.39	47.21	49.60	45.79
2006	62.23	59.77	52.91	65.69	56.09	66.03	55.80	56.02	59.18	55.35
2007	67.80	67.93	61.35	76.64	W	69.96	64.10	69.93	69.58	62.69
2008	95.66	91.17	84.61	102.06	93.03	96.33	88.06	91.44	93.15	87.15
2009	57.07	57.90	56.47	64.61	57.87	65.63	55.58	59.53	58.53	57.16
2010	78.18	72.56	72.46	80.83	76.44	W	70.30	75.65	75.23	73.24
2011	111.82	100.21	100.90	115.35	107.08	-	97.23	106.47	105.34	98.49
2012	111.23	106.43	101.84	114.51	106.65	-	100.15	105.45	104.39	95.71
2013	107.71	101.24	98.40	110.06	101.16	W	97.52	100.62	100.57	93.67
2014										
January	W	95.84	89.30	-	99.21	-	89.69	98.44	94.85	87.56
February	W	96.04	91.77	-	102.26	-	92.88	100.70	97.51	89.73
March	W	W	91.38	W	101.25	-	92.27	100.67	97.19	90.59
April	W	98.61	93.22	W	99.76	-	95.26	99.02	99.15	90.49
May	W	98.75	95.31	-	100.58	-	96.67	98.89	98.29	94.58
June	W	99.03	98.20	-	104.95	-	98.19	102.49	100.67	95.67
July	W	100.11	94.65	-	105.25	-	92.45	103.81	97.43	91.37
August	W	92.38	91.17	-	99.74	-	89.22	98.95	93.30	86.68
September	W	86.08	88.50	-	94.98	-	83.20	93.59	88.39	83.11
October	W	72.47	79.79	-	85.77	-	74.19	85.04	79.29	75.20
November	W	70.25	71.87	-	W	-	65.55	W	71.14	65.49
December	W	50.95	53.20	-	W	-	45.33	60.65	52.49	48.59
2014	W	80.75	86.55	W	95.60	-	84.51	94.03	89.76	82.95
2015										
January	-	42.49	41.19	-	48.14	-	37.99	52.21	42.64	38.89
February	W	50.79	48.12	W	47.92	-	45.85	47.70	47.31	42.43
March	W	47.25	46.89	-	50.64	-	43.51	49.75	45.54	42.63
April	W	54.95	50.49	-	58.95	-	49.03	53.33	50.55	47.41
May	W	56.30	56.80	-	61.80	-	51.99	59.55	54.95	53.59
June	W	56.42	56.78	-	58.31	-	50.34	58.57	54.06	53.70
July	W	46.62	50.71	-	W	-	44.44	50.42	46.61	45.55
August	W	42.35	40.40	-	43.38	-	35.47	43.01	38.21	36.62
September	W	W	40.50	-	44.50	-	36.23	43.87	39.81	35.06
October	W	41.56	40.18	-	42.51	-	37.77	40.68	39.33	36.02
November	-	W	36.16	-	39.87	-	31.68	38.17	33.98	33.30
December	W	28.98	30.12	W	34.75	-	24.91	33.79	29.35	27.57
2015	W	47.52	44.90	W	47.53	-	40.73	46.95	43.25	41.19
2016										
January	W	W	24.12	W	26.24	-	20.73	25.73	25.05	22.45
February	W	24.91	24.50	37.83	27.46	-	22.57	26.58	27.01	23.35
March	35.33	30.47	29.01	W	34.14	-	27.15	32.32	31.35	28.40
April	W	33.57	30.79	W	37.13	-	29.07	35.67	34.08	31.95
May	W	39.00	39.04	W	42.44	W	36.65	40.55	40.51	37.05
June	49.56	41.64	42.27	48.79	45.16	-	39.33	43.77	43.73	40.22
July	45.00	36.91	39.99	W	42.11	-	35.69	40.91	39.61	R38.09
August	W	R36.80	R38.57	W	42.48	-	R37.56	40.44	R40.34	R36.78
September	W	W	38.46	W	42.31	-	36.93	40.35	39.70	37.14

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary.

[b] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[c] Includes Algeria, Angola (January 2007-present), Ecuador (January 2008-present), Gabon (July 2016-present), Indonesia (1996-2008 and January 2016-present), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 22. Landed costs of imported crude oil by selected country

dollars per barrel

	Selected countries										
Year month	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Persian Gulf[a]	Total OPEC[b]	Non OPEC
1996	21.86	19.94	22.02	19.64	21.95	20.49	20.88	18.59	20.45	20.14	20.47
1997	20.24	17.63	19.71	17.30	20.64	17.52	20.64	16.35	17.44	17.73	18.45
1998	13.37	11.62	13.26	11.04	14.14	11.16	13.55	10.16	11.18	11.46	12.22
1999	18.37	17.54	18.09	16.12	17.63	17.48	18.26	15.58	17.37	16.94	17.51
2000	29.57	26.69	29.68	26.03	30.04	26.58	29.26	26.05	26.77	27.29	27.80
2001	25.13	20.72	25.88	19.37	26.55	20.98	25.32	19.81	20.73	21.52	22.17
2002	25.43	22.98	25.28	22.09	26.45	24.77	26.35	21.93	24.13	23.83	23.97
2003	30.14	26.76	30.55	25.48	31.07	27.50	30.62	25.70	27.54	27.70	27.68
2004	39.62	34.51	39.03	32.25	40.95	37.11	39.28	33.79	36.53	36.84	35.29
2005	54.31	44.73	53.42	43.47	57.55	50.31	55.28	47.87	49.68	51.36	47.31
2006	64.85	53.90	62.13	53.76	68.26	59.19	67.44	57.37	58.92	61.21	57.14
2007	71.27	60.38	70.91	62.31	78.01	70.78	72.47	66.13	69.83	71.14	63.96
2008	98.18	90.00	93.43	85.97	104.83	94.75	96.95	90.76	93.59	95.49	90.59
2009	61.32	57.60	58.50	57.35	68.01	62.14	63.87	57.78	62.15	61.90	58.58
2010	80.61	72.80	74.25	72.86	83.14	79.29	80.29	72.43	78.60	78.28	74.68
2011	114.05	89.92	102.57	101.21	116.43	108.83	118.45	100.14	108.01	107.84	98.64
2012	114.95	84.24	107.07	102.45	116.88	108.15	W	101.58	107.74	107.56	95.05
2013	110.81	84.41	103.00	99.06	112.87	102.60	111.23	99.34	102.53	102.98	91.99
2014											
January	W	78.21	97.87	90.85	-	101.30	-	92.53	100.18	98.30	84.91
February	110.96	87.98	98.59	92.92	W	102.62	W	95.33	101.54	100.41	91.27
March	107.52	89.40	98.71	92.44	W	102.15	-	94.63	101.68	100.36	92.15
April	108.70	89.01	99.68	94.01	W	102.48	W	97.08	102.07	101.81	91.99
May	W	91.77	101.24	96.12	W	103.03	-	98.35	102.03	101.54	94.96
June	W	93.03	102.61	99.36	-	104.11	W	99.78	102.78	102.39	97.01
July	W	90.27	101.68	95.61	-	103.01	W	94.12	102.39	100.17	94.03
August	103.69	83.93	95.70	92.07	-	98.80	-	91.64	99.98	97.19	88.15
September	99.49	81.27	91.03	89.25	-	93.39	-	84.78	93.81	91.07	85.08
October	90.74	76.38	80.37	80.42	W	79.85	W	75.72	83.84	82.50	78.56
November	80.21	66.85	73.37	73.18	W	72.72	-	67.59	75.10	73.17	69.65
December	61.33	50.82	56.17	53.54	W	58.56	W	47.86	62.29	58.35	52.75
2014	99.25	81.30	88.29	87.48	102.16	94.91	W	86.88	95.30	93.10	84.67
2015											
January	W	40.45	45.47	41.68	W	50.12	-	40.08	53.01	48.17	42.31
February	W	42.39	53.40	48.29	W	52.44	-	47.93	52.20	51.44	44.86
March	W	41.71	51.25	47.62	W	55.23	W	45.90	54.30	51.13	44.82
April	W	46.67	57.48	52.13	-	59.92	W	52.17	56.99	55.39	49.79
May	60.84	54.06	59.92	57.32	W	62.06	W	53.78	60.92	59.11	55.97
June	61.45	55.42	58.21	57.46	W	58.40	-	52.43	58.17	56.79	56.69
July	53.22	47.98	51.58	51.25	W	51.62	-	46.74	51.93	50.45	49.42
August	54.02	38.29	43.87	41.94	-	45.24	W	38.75	45.70	43.17	40.41
September	53.46	35.29	42.87	40.71	W	44.89	-	37.91	44.94	43.31	37.82
October	47.49	37.64	42.37	40.67	W	42.09	W	39.55	41.81	41.57	39.41
November	47.56	35.67	39.70	36.73	W	39.62	-	33.79	39.43	37.86	36.68
December	38.54	30.25	32.50	30.54	W	34.13	W	26.73	34.33	32.60	30.91
2015	51.73	41.99	49.53	45.51	54.70	49.78	W	42.87	49.43	47.44	44.09
2016											
January	34.83	26.21	26.23	24.82	W	31.07	-	21.64	30.92	28.98	26.25
February	33.04	24.61	26.32	25.19	39.44	31.86	W	23.49	30.69	29.49	25.42
March	36.68	29.40	33.38	29.65	42.86	36.19	W	28.70	34.60	33.87	30.39
April	40.91	34.18	36.71	31.91	W	39.75	-	31.20	38.00	36.78	34.42
May	49.14	38.43	42.28	39.67	W	43.46	W	38.14	42.56	42.48	39.55
June	49.06	41.97	43.88	42.50	51.05	45.90	-	40.04	44.70	44.70	42.65
July	47.04	R39.41	40.90	40.30	48.46	R43.80	W	37.00	R42.73	R41.75	40.48
August	R49.28	R37.85	R40.78	R39.22	R50.20	R42.90	W	R38.66	R42.00	R41.95	R39.00
September	46.15	37.95	43.36	38.91	W	43.41	-	38.09	41.98	41.48	39.22

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[b] Includes Algeria, Angola (January 2007-present), Ecuador (January 2008-present), Gabon (July 2016-present), Indonesia (1996-2008 and January 2016-present), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 23. F.O.B.[a] costs of imported crude oil by API gravity

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1996	16.01	17.26	19.90	20.04	21.20	21.00	21.59
1997	13.12	14.94	17.49	17.61	19.37	19.88	19.77
1998	7.00	8.95	10.77	11.73	12.91	13.12	12.92
1999	12.13	14.49	17.07	17.33	18.03	18.81	17.00
2000	21.81	23.75	26.49	27.09	28.77	29.55	29.89
2001	16.17	17.23	21.84	21.60	23.84	24.80	25.72
2002	18.78	20.51	23.48	24.20	24.92	25.20	25.16
2003	21.88	24.09	25.65	27.49	28.67	29.35	28.64
2004	28.95	30.53	33.65	35.57	38.51	39.90	39.26
2005	40.54	41.52	49.26	50.82	54.65	56.47	52.83
2006	50.19	51.62	58.25	60.27	64.36	66.43	64.85
2007	56.69	60.14	69.31	71.44	73.46	74.27	70.10
2008	81.25	83.07	96.68	94.56	98.17	102.32	100.20
2009	54.76	54.36	56.30	59.78	63.63	62.10	63.32
2010	69.51	69.72	76.73	77.48	79.45	79.43	81.04
2011	94.66	94.15	103.09	107.24	111.37	114.28	112.74
2012	96.07	94.35	104.28	103.99	106.59	110.99	119.48
2013	93.91	91.27	100.20	101.44	104.26	108.78	103.41
2014							
January	86.93	83.49	93.15	98.22	97.42	102.57	W
February	90.67	85.80	96.82	101.40	101.98	W	-
March	89.67	86.02	98.15	101.97	104.46	103.28	-
April	92.76	87.73	100.07	101.07	104.15	W	-
May	95.39	91.32	98.08	101.36	104.94	110.48	-
June	95.80	92.70	102.70	103.39	109.94	W	-
July	90.57	88.94	98.17	102.70	102.15	W	W
August	87.37	84.81	95.61	97.30	98.08	95.08	-
September	81.86	81.15	91.02	91.93	94.44	W	-
October	72.91	73.63	83.56	82.96	86.00	W	-
November	64.88	64.56	69.33	73.47	75.64	W	-
December	44.92	46.81	60.73	57.74	56.26	W	-
2014	82.40	80.16	92.53	93.77	94.26	99.49	W
2015							
January	36.12	37.19	40.56	48.26	44.79	-	-
February	43.24	40.73	51.51	47.81	49.30	-	-
March	41.68	40.74	47.13	49.07	50.01	W	-
April	47.47	44.71	52.40	55.26	54.20	W	-
May	50.76	50.63	57.31	61.11	60.60	-	-
June	51.61	51.06	56.49	58.88	60.35	W	W
July	43.79	43.36	48.56	51.62	54.06	W	-
August	34.73	34.10	38.43	44.65	44.58	-	-
September	34.74	32.70	41.60	44.02	44.32	-	W
October	35.75	34.14	40.94	44.34	46.13	-	-
November	30.81	31.02	34.68	40.92	42.87	W	-
December	25.06	24.39	31.91	35.43	36.94	-	-
2015	40.07	38.33	47.33	47.85	49.98	54.59	W
2016							
January	20.34	20.28	25.86	27.81	31.02	-	W
February	22.26	21.01	27.87	28.75	31.81	-	W
March	26.57	26.35	30.41	35.27	36.02	-	43.97
April	29.03	29.59	36.10	37.76	40.99	W	W
May	35.85	35.32	40.01	45.82	44.77	-	W
June	39.85	37.92	43.98	46.85	46.52	48.02	W
July	R35.86	R35.44	40.31	42.71	R45.54	47.25	W
August	R36.67	R34.24	R40.91	R41.94	R44.06	44.74	W
September	36.58	33.91	43.58	42.45	44.37	W	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 24. Landed costs of imported crude oil by API gravity

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1996	17.18	18.11	20.53	20.87	21.74	21.71	22.28
1997	14.42	15.79	18.57	18.42	20.34	21.09	20.85
1998	8.19	9.73	11.81	12.31	13.73	14.40	14.38
1999	13.40	15.30	17.33	17.81	18.18	19.22	18.48
2000	23.49	24.71	27.60	27.91	29.99	30.37	31.10
2001	17.66	18.14	23.29	22.21	24.86	26.59	26.49
2002	20.59	21.33	24.40	24.91	25.73	26.49	25.96
2003	23.87	25.15	27.78	28.78	29.95	30.73	30.90
2004	30.96	31.92	35.99	37.94	39.82	41.25	41.59
2005	42.20	42.24	49.94	52.18	54.95	58.38	56.43
2006	51.84	52.62	59.38	61.88	64.80	68.44	66.78
2007	59.01	60.64	68.95	72.03	73.17	75.68	73.57
2008	85.39	84.76	97.30	96.83	99.90	103.68	99.23
2009	56.38	55.68	61.28	62.43	64.80	64.82	63.90
2010	71.54	71.07	78.35	79.64	81.25	81.09	82.17
2011	96.89	93.32	106.06	108.76	110.93	115.40	113.24
2012	97.49	91.32	105.92	107.23	107.27	112.70	115.67
2013	95.87	88.35	101.63	102.97	104.39	110.66	105.88
2014							
January	88.49	80.07	96.77	99.49	96.09	106.41	W
February	94.95	86.87	98.77	102.96	100.62	106.10	W
March	93.24	87.49	99.78	102.89	102.86	104.29	W
April	95.83	88.31	101.12	102.81	102.92	111.19	W
May	96.41	91.10	102.57	103.18	104.26	110.50	W
June	98.51	93.45	101.68	104.16	109.58	111.80	W
July	93.60	90.52	100.94	103.89	105.20	102.75	W
August	88.72	85.78	98.72	99.39	97.31	97.58	W
September	83.96	82.69	93.68	93.04	94.51	89.01	W
October	76.17	76.02	83.55	85.38	87.35	83.14	-
November	68.63	67.78	72.58	75.59	76.43	74.50	W
December	49.52	50.87	60.87	61.55	57.66	59.85	-
2014	85.31	81.44	93.64	95.20	94.50	100.17	100.25
2015							
January	40.03	39.79	52.17	50.77	47.48	53.39	W
February	45.77	43.20	51.82	51.89	51.56	48.84	-
March	45.13	42.48	51.32	52.91	50.05	51.66	-
April	50.79	47.45	55.10	57.95	54.76	53.56	-
May	54.00	52.93	58.54	62.19	62.56	W	-
June	54.56	54.32	57.64	59.85	61.64	62.71	W
July	47.27	47.50	51.18	53.06	54.59	54.54	-
August	38.84	37.49	42.89	47.05	48.15	W	-
September	37.30	35.30	43.82	46.06	45.39	W	W
October	38.40	37.27	41.77	44.08	46.40	W	W
November	34.27	33.76	38.97	41.62	45.33	45.46	W
December	29.10	27.95	36.64	35.93	39.34	43.39	W
2015	43.20	41.14	49.58	50.16	50.78	54.54	51.70
2016							
January	22.58	23.84	28.81	32.26	33.96	W	W
February	24.13	23.07	29.89	31.52	32.78	W	W
March	28.88	28.55	34.07	36.42	36.45	W	46.17
April	31.16	31.97	38.03	39.58	41.82	42.79	W
May	38.32	37.95	44.04	44.45	45.26	47.93	W
June	40.90	40.39	44.61	47.16	48.13	50.67	W
July	R37.91	R37.94	R42.92	R44.37	R47.85	48.61	W
August	R38.22	R36.29	R43.40	R43.55	R45.68	R46.60	W
September	37.78	36.27	44.18	44.27	46.14	47.00	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 25. Percentages of total imported crude oil by API gravity

percent by interval

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1996	4.58	20.88	14.69	32.92	23.51	1.95	1.47
1997	6.05	21.88	13.33	34.43	21.28	1.77	1.27
1998	5.84	20.29	13.99	35.62	20.81	1.88	1.57
1999	4.76	17.78	14.18	36.54	21.46	3.72	1.57
2000	6.21	18.88	13.41	36.90	19.83	3.44	1.35
2001	7.97	20.78	11.60	36.10	19.63	2.71	1.21
2002	8.28	22.29	11.44	35.28	18.29	2.67	1.75
2003	8.29	24.25	9.97	35.60	17.19	2.70	1.99
2004	11.13	23.70	8.18	34.57	17.68	2.10	2.64
2005	11.94	22.83	10.20	31.87	16.92	3.68	2.55
2006	13.04	23.28	11.18	28.22	15.73	5.82	2.74
2007	11.72	23.12	11.18	28.86	16.71	5.57	2.84
2008	13.22	23.50	11.51	30.42	14.64	4.24	2.47
2009	14.08	26.11	7.78	29.74	13.76	5.65	2.88
2010	15.13	26.01	5.35	30.73	14.35	5.57	2.86
2011	17.20	27.47	6.02	30.64	13.42	3.58	1.68
2012	16.66	29.77	8.41	28.31	12.84	3.36	0.65
2013	16.20	33.87	8.74	29.98	9.67	1.28	0.27
2014							
January	18.22	31.26	8.08	33.63	7.74	W	W
February	14.59	37.06	8.29	33.78	5.57	W	W
March	17.75	34.80	9.52	30.10	6.65	W	W
April	14.40	36.41	9.18	31.60	6.71	W	W
May	17.80	33.53	13.23	27.28	7.11	W	W
June	19.31	36.54	12.24	24.58	6.06	W	W
July	18.47	38.77	9.95	25.50	6.77	W	W
August	20.99	39.45	11.15	20.00	7.76	W	W
September	21.17	38.60	11.29	19.85	8.77	W	W
October	20.75	36.05	7.04	26.57	8.96	0.62	-
November	21.89	38.01	7.18	23.83	8.59	W	W
December	16.87	40.86	9.99	26.09	5.54	0.66	-
2014	18.49	36.73	9.78	26.96	7.19	0.75	0.11
2015							
January	16.01	41.24	7.33	27.28	7.14	W	W
February	15.02	41.48	10.70	24.13	8.33	0.35	-
March	20.31	36.19	10.31	27.60	4.57	1.02	-
April	20.36	37.95	11.27	24.61	5.66	0.14	-
May	18.26	34.55	9.80	28.26	W	W	-
June	24.33	32.26	9.67	25.44	6.81	W	W
July	20.21	37.46	8.62	24.09	8.84	0.78	-
August	23.42	36.61	W	24.31	7.75	W	-
September	22.05	35.89	8.69	25.82	7.37	W	W
October	18.60	38.33	7.98	28.55	6.42	W	W
November	18.22	40.95	7.08	26.93	6.57	W	W
December	17.11	43.82	4.57	26.79	7.52	W	W
2015	19.51	38.05	8.63	26.17	7.15	0.43	0.06
2016							
January	14.71	40.07	8.07	28.10	7.60	W	W
February	17.17	40.06	6.89	27.08	7.43	W	W
March	15.82	40.58	6.44	28.91	7.03	W	W
April	15.37	40.60	5.96	26.65	8.75	W	W
May	15.79	44.06	8.63	21.40	7.77	W	W
June	16.03	37.92	10.60	22.94	7.74	W	W
July	R16.36	R39.08	R10.74	R23.39	R7.66	W	W
August	R20.62	R36.33	R8.15	R22.43	R10.25	W	W
September	18.62	41.44	6.71	20.48	11.31	W	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 26. F.O.B.[a] costs of imported crude oil for selected crude streams

dollars per barrel

Year quarter month	Canadian Lloydminster	Iraqi Basrah Light	Mexican Mayan	Nigerian Qua Iboe	Venezuelan Merey
2004	29.31	-	30.11	-	-
2005	35.13	-	40.69	-	-
2006	44.55	-	51.29	-	-
2007	48.54	-	59.96	-	-
2008	79.33	-	82.99	-	-
2009	50.11	62.98	55.07	65.60	59.89
2010	64.41	74.36	70.36	82.66	70.26
2011	78.41	104.51	98.27	115.82	98.73
2012	77.01	103.17	99.81	115.85	102.04
2013	75.61	99.28	96.87	W	99.26
2014					
January	W	95.18	87.17	-	W
February	77.47	W	90.01	-	W
March	80.29	W	90.13	W	W
1st quarter average	77.01	96.51	89.11	W	W
April	82.01	W	93.03	-	W
May	W	95.87	94.89	-	97.79
June	W	99.94	97.86	-	W
2nd quarter average	82.13	97.41	95.37	-	98.37
July	W	100.80	94.33	-	W
August	-	W	91.10	-	W
September	W	90.98	88.13	-	W
3rd quarter average	W	96.16	91.23	-	W
October	W	83.93	78.85	-	W
November	-	-	71.43	-	W
December	W	W	52.52	-	W
4th quarter average	W	75.60	67.51	-	W
2014	75.42	92.96	85.83	W	89.86
2015					
January	W	W	40.11	-	W
February	W	-	47.31	-	48.13
March	W	W	45.67	-	45.61
1st quarter average	W	W	44.26	-	44.61
April	W	49.72	49.53	-	49.85
May	W	W	55.16	-	W
June	W	W	56.63	-	W
2nd quarter average	W	52.99	53.57	-	54.93
July	W	W	50.53	-	W
August	W	-	40.55	-	W
September	-	W	39.50	-	W
3rd quarter average	W	W	43.64	-	W
October	-	W	39.14	-	W
November	-	W	35.36	-	W
December	-	W	28.74	W	W
4th quarter average	-	W	34.73	W	W
2015	W	47.59	43.49	W	43.82
2016					
January	-	24.24	24.21	W	W
February	-	W	24.84	W	W
March	-	W	29.22	-	W
1st quarter average	-	26.69	26.05	W	W
April	-	W	30.95	W	W
May	-	W	39.08	W	38.57
June	-	W	42.43	-	42.02
2nd quarter average	-	W	37.45	W	38.53
July	-	W	40.25	-	40.28
August	-	W	38.76	-	R39.02
September	-	W	38.62	-	39.08
3rd quarter average	-	39.54	39.26	-	39.38

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Effective January 2009, selected crude streams were discontinued and new crude steams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 27. Landed costs of imported crude oil for selected crude streams

dollars per barrel

Year quarter month	Algerian Saharan Blend	Brazilian Marlim	Canadian Bow River Heavy	Canadian Light Sour Blend	Canadian Lloydminster
2004	-	-	30.88	-	30.54
2005	-	-	39.22	-	37.59
2006	-	-	48.38	-	46.96
2007	-	-	52.36	-	50.94
2008	-	-	84.29	-	82.50
2009	65.95	58.94	55.71	59.12	53.44
2010	81.78	76.63	68.92	76.56	68.13
2011	115.82	107.13	82.02	96.52	82.24
2012	114.02	114.32	77.19	87.82	81.33
2013	113.45	108.43	76.88	90.59	79.34
2014					
January	-	W	68.90	80.93	71.67
February	-	-	84.26	91.25	80.63
March	-	-	82.31	94.88	84.03
1st quarter average	-	W	78.71	88.20	79.06
April	-	-	82.85	93.79	86.06
May	-	-	85.93	97.06	85.05
June	-	W	89.46	100.46	90.85
2nd quarter average	-	W	85.85	96.66	86.41
July	-	W	87.58	97.24	91.55
August	-	W	78.67	88.70	89.92
September	-	-	78.67	86.44	89.53
3rd quarter average	-	W	81.85	89.52	90.54
October	-	W	74.96	80.27	78.73
November	-	W	67.16	68.32	W
December	-	-	49.21	52.01	W
4th quarter average	-	W	63.22	66.05	63.85
2014	-	93.08	76.90	85.10	81.87
2015					
January	-	W	35.54	44.11	W
February	-	W	39.38	45.40	40.02
March	-	-	38.53	45.13	43.08
1st quarter average	-	W	37.94	44.85	43.09
April	-	-	43.05	51.51	41.52
May	-	W	49.96	57.72	44.60
June	W	-	54.33	57.62	W
2nd quarter average	W	W	48.87	56.24	47.98
July	-	W	46.98	50.29	W
August	-	-	33.33	44.39	W
September	-	-	30.50	42.33	W
3rd quarter average	-	W	37.08	45.99	W
October	-	W	36.11	43.83	W
November	-	-	31.42	44.27	W
December	-	W	26.11	37.58	W
4th quarter average	-	W	31.39	42.37	W
2015	W	47.77	38.90	47.18	38.51
2016					
January	W	W	21.81	29.17	W
February	-	-	20.43	28.12	W
March	W	-	28.79	34.53	W
1st quarter average	W	W	24.28	30.06	W
April	-	-	30.15	38.30	W
May	W	-	35.84	42.53	W
June	W	-	39.70	46.22	W
2nd quarter average	W	-	36.48	42.16	W
July	W	-	36.70	44.75	W
August	W	-	34.94	R42.99	W
September	-	W	34.66	42.50	W
3rd quarter average	W	W	35.44	43.39	W

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.)

dollars per barrel

Year quarter month	Ecuadorian Oriente	Ecuadorian Napo	Iraqi Basrah Light	Mexican Mayan	Nigerian Bonny Light
2004	36.34	-	-	31.01	41.16
2005	46.42	-	-	41.54	57.12
2006	56.75	-	-	52.04	69.29
2007	64.57	-	-	60.93	77.90
2008	87.25	-	-	84.29	108.46
2009	56.97	48.74	64.38	56.03	68.30
2010	75.48	72.97	77.96	70.87	84.10
2011	101.74	97.91	106.67	98.81	116.95
2012	105.50	101.53	106.93	100.29	117.70
2013	104.14	100.01	102.70	97.43	W
2014					
January	98.85	94.03	96.74	88.29	-
February	101.73	99.31	98.18	91.06	-
March	W	100.36	100.65	90.78	-
1st quarter average	100.97	97.19	98.43	90.04	-
April	104.56	W	100.42	93.76	-
May	104.00	W	100.45	95.68	-
June	105.36	101.91	101.06	98.83	-
2nd quarter average	104.46	100.75	100.67	96.19	-
July	100.36	101.61	101.97	95.10	-
August	97.73	92.87	100.68	91.78	-
September	92.39	88.43	94.12	88.80	-
3rd quarter average	96.30	94.26	98.91	91.86	-
October	85.17	83.44	90.49	79.19	-
November	71.01	W	W	72.26	-
December	58.52	W	73.33	52.88	W
4th quarter average	70.37	72.13	83.49	68.15	W
2014	91.65	93.11	96.95	86.49	W
2015					
January	46.44	W	66.83	40.70	-
February	51.98	W	W	47.69	-
March	50.68	45.89	W	46.42	-
1st quarter average	49.51	44.66	60.44	44.80	-
April	54.79	W	49.93	51.18	-
May	60.87	-	55.30	56.00	W
June	60.38	56.96	56.75	56.70	W
2nd quarter average	58.79	55.92	53.24	54.47	66.10
July	54.90	W	54.12	51.25	-
August	45.21	W	W	42.29	-
September	45.10	41.06	46.17	39.99	-
3rd quarter average	48.62	42.48	50.53	44.39	-
October	45.33	40.83	41.74	39.72	-
November	40.56	W	38.67	36.05	-
December	34.83	26.47	35.18	29.28	W
4th quarter average	40.43	35.41	39.39	35.21	W
2015	49.65	41.84	49.50	44.08	59.92
2016					
January	28.35	26.72	30.55	25.03	W
February	28.24	28.25	27.65	25.46	-
March	35.40	30.07	33.26	29.82	-
1st quarter average	31.19	28.06	30.47	26.83	W
April	38.81	33.81	34.37	31.81	-
May	42.31	39.83	43.44	39.77	-
June	45.43	43.22	43.60	42.81	-
2nd quarter average	42.15	39.55	40.55	38.08	-
July	42.50	R38.82	R43.53	40.49	-
August	R41.19	38.42	40.68	R39.39	-
September	42.44	39.25	40.82	39.03	-
3rd quarter average	42.05	38.79	41.91	39.67	-

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.)

dollars per barrel

Year quarter month	Nigerian Qua Iboe	Saudi Arabian Light	Saudi Arabian Medium	Saudi Arabian Berri	Venezuelan Merey
2004	-	38.01	36.34	-	-
2005	-	52.92	48.92	-	-
2006	-	60.51	58.10	-	-
2007	-	71.62	70.09	-	-
2008	-	94.38	91.46	-	-
2009	68.26	63.10	61.87	59.72	60.15
2010	84.44	79.65	78.13	81.14	71.59
2011	117.02	109.43	107.12	110.77	100.36
2012	116.48	108.93	106.83	110.03	103.28
2013	112.47	103.44	101.44	107.00	100.69
2014					
January	-	101.94	99.77	103.52	W
February	-	104.36	100.30	W	W
March	W	103.81	100.87	W	W
1st quarter average	W	103.28	100.35	103.86	W
April	-	102.53	102.15	104.43	W
May	-	102.92	102.88	105.28	99.60
June	-	106.38	102.08	109.66	W
2nd quarter average	-	103.57	102.36	106.05	100.10
July	-	105.51	101.74	109.18	W
August	-	100.24	98.17	104.01	W
September	-	94.71	91.16	98.66	W
3rd quarter average	-	99.35	98.28	102.65	W
October	-	83.36	76.92	89.12	W
November	-	77.88	70.05	79.15	W
December	-	59.88	61.39	W	W
4th quarter average	-	72.95	70.79	80.78	W
2014	W	96.83	94.47	96.68	91.73
2015					
January	-	50.32	50.36	48.87	W
February	-	52.19	51.84	54.93	50.43
March	-	54.29	55.42	W	47.50
1st quarter average	-	52.51	52.97	53.62	46.64
April	-	60.47	58.31	W	52.11
May	-	64.06	60.34	W	W
June	-	59.88	56.99	W	W
2nd quarter average	-	61.34	58.52	W	57.02
July	-	52.08	51.47	53.96	W
August	-	45.49	44.58	47.02	W
September	-	45.63	43.42	49.25	W
3rd quarter average	-	47.47	46.99	49.89	W
October	-	42.07	41.44	48.22	W
November	-	40.40	37.13	45.59	W
December	W	35.37	32.36	W	W
4th quarter average	W	39.55	36.92	45.64	W
2015	W	50.00	48.66	52.83	45.77
2016					
January	W	30.95	31.18	W	W
February	W	31.66	31.36	33.68	W
March	-	36.80	35.39	36.48	30.21
1st quarter average	W	33.11	33.09	34.54	26.18
April	W	40.26	38.92	41.25	W
May	W	44.02	41.76	47.00	39.92
June	-	46.72	44.48	47.42	42.92
2nd quarter average	W	43.60	41.67	45.29	39.49
July	-	R44.18	R42.76	R46.66	41.62
August	-	R42.92	R41.84	R44.72	R39.95
September	-	W	42.65	44.56	40.30
3rd quarter average	-	43.71	42.43	45.02	40.51

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Effective January 2009, selected crude streams were discontinued and new crude steams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Prices of Petroleum Products

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state

dollars per gallon excluding taxes

	Regular			Midgrade			Premium			All grades		
	Sales to end users			Sales to end users			Sales to end users			Sales to end users		
Geographic area month	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
United States												
September 2016	1.716	1.690	1.469	1.996	NA	1.650	2.192	1.878	1.836	1.789	1.719	1.514
August 2016	1.687	1.678	1.465	1.945	NA	1.637	2.143	1.897	1.810	1.755	1.708	1.508
September 2015	1.847	1.711	1.556	2.177	NA	1.768	2.343	NA	1.991	1.922	1.737	1.609
PAD District 1												
September 2016	1.595	1.467	1.407	1.841	W	1.559	2.055	W	1.748	1.663	1.549	1.449
August 2016	1.547	1.445	1.406	1.802	W	1.573	2.018	W	1.752	1.617	1.498	1.449
September 2015	1.620	1.524	1.457	1.867	W	1.630	2.071	W	1.897	1.686	NA	1.511
Subdistrict 1A												
September 2016	W	W	1.453	W	-	1.547	W	W	1.771	W	W	1.491
August 2016	W	W	1.453	W	-	1.547	W	-	1.779	W	W	1.494
September 2015	W	W	1.513	W	-	1.686	W	-	1.977	W	W	1.568
Connecticut												
September 2016	-	W	1.453	-	-	1.566	-	W	1.799	-	W	1.501
August 2016	-	W	1.454	-	-	1.567	-	-	1.805	-	W	1.506
September 2015	W	W	1.515	W	-	1.692	W	-	2.007	W	W	1.586
Maine												
September 2016	-	-	1.484	-	-	W	-	-	W	-	-	1.504
August 2016	-	-	1.479	-	-	W	-	-	W	-	-	1.503
September 2015	-	-	1.579	-	-	W	-	-	W	-	-	1.604
Massachusetts												
September 2016	W	-	1.440	W	-	1.529	W	-	1.721	W	-	1.480
August 2016	W	-	1.441	W	-	1.504	W	-	1.737	W	-	1.485
September 2015	W	-	1.518	W	-	1.668	W	-	1.908	W	-	1.573
New Hampshire												
September 2016	W	-	W	W	-	-	W	-	W	W	-	W
August 2016	W	-	W	W	-	-	W	-	W	W	-	W
September 2015	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
September 2016	W	-	W	W	-	W	W	-	W	W	-	W
August 2016	W	-	W	W	-	W	W	-	W	W	-	W
September 2015	W	-	W	W	-	W	W	-	W	W	-	W
Vermont												
September 2016	-	-	1.455	-	-	W	-	-	1.688	-	-	1.477
August 2016	-	-	1.433	-	-	W	-	-	1.673	-	-	1.461
September 2015	-	-	1.557	-	-	W	-	-	W	-	-	1.589
Subdistrict 1B												
September 2016	1.613	W	1.411	1.843	W	1.522	2.039	W	1.681	1.692	W	1.446
August 2016	1.583	W	1.406	1.819	W	1.538	2.017	W	1.691	1.664	W	1.444
September 2015	1.621	W	1.473	1.876	-	1.621	2.068	W	1.894	1.704	W	1.526
Delaware												
September 2016	W	-	1.429	W	-	1.518	W	-	1.598	W	-	1.449
August 2016	W	-	1.420	W	-	1.504	W	-	1.614	W	-	1.441
September 2015	W	-	1.494	W	-	1.673	W	-	1.850	W	-	1.537
District of Columbia												
September 2016	-	-	-	-	-	-	-	-	-	-	-	-
August 2016	-	-	-	-	-	-	-	-	-	-	-	-
September 2015	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
September 2016	-	W	1.400	-	W	1.493	-	W	1.671	-	W	1.440
August 2016	-	W	1.412	-	W	1.527	-	W	1.705	-	W	1.455
September 2015	-	W	1.451	-	-	1.571	-	W	1.816	-	W	1.502
New Jersey												
September 2016	W	-	1.389	W	-	1.521	W	-	1.621	W	-	1.419
August 2016	W	-	1.381	W	-	1.519	W	-	1.628	W	-	1.413
September 2015	W	W	1.458	W	-	1.646	W	-	1.873	W	W	1.510
New York												
September 2016	1.635	-	1.442	1.860	-	1.640	2.050	-	1.755	1.715	-	1.494
August 2016	1.625	-	1.430	1.856	-	1.640	2.047	-	1.750	1.708	-	1.484
September 2015	1.610	-	1.521	1.883	-	1.729	2.073	-	1.961	1.701	-	1.592
Pennsylvania												
September 2016	W	-	1.412	W	-	1.529	W	-	1.674	W	-	1.435
August 2016	W	-	1.409	W	-	1.543	W	-	1.688	W	-	1.434
September 2015	W	-	1.454	W	-	1.631	W	-	1.885	W	-	1.489

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)

dollars per gallon excluding taxes

	Regular			Midgrade			Premium			All grades		
	Sales to end users			Sales to end users			Sales to end users			Sales to end users		
Geographic area month	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
Subdistrict 1C												
September 2016	W	1.470	1.399	W	NA	1.574	W	W	1.793	W	1.554	1.444
August 2016	W	1.451	1.399	W	W	1.588	W	W	1.788	W	1.506	1.446
September 2015	W	1.518	1.441	W	W	1.629	W	W	1.890	W	NA	1.496
Florida												
September 2016	W	1.477	1.422	W	NA	1.641	W	W	1.810	W	1.486	1.471
August 2016	W	1.500	1.441	W	W	1.660	W	W	1.823	W	1.506	1.490
September 2015	W	W	1.460	W	-	1.690	W	-	1.905	W	W	1.520
Georgia												
September 2016	W	W	1.393	W	-	1.537	W	-	1.828	W	W	1.439
August 2016	W	W	1.377	W	-	1.530	W	-	1.808	W	W	1.426
September 2015	W	W	1.447	W	-	1.591	W	-	1.891	W	W	1.499
North Carolina												
September 2016	W	W	1.381	W	-	1.577	W	-	1.783	W	W	1.425
August 2016	W	W	1.369	W	-	1.581	W	-	1.757	W	W	1.414
September 2015	W	W	1.423	W	-	1.622	W	W	1.894	W	W	1.475
South Carolina												
September 2016	W	W	1.387	W	NA	1.585	W	-	1.789	W	W	1.425
August 2016	W	-	1.359	W	NA	1.573	W	-	1.743	W	NA	1.398
September 2015	W	-	1.418	W	W	1.629	W	-	1.890	W	W	1.467
Virginia												
September 2016	W	-	1.386	W	-	1.509	W	-	1.732	W	-	1.431
August 2016	W	-	1.406	W	-	1.557	W	W	1.752	W	W	1.452
September 2015	1.685	W	1.432	1.939	-	1.587	2.151	-	1.853	1.760	W	1.487
West Virginia												
September 2016	W	-	1.419	W	-	1.582	W	-	1.876	W	-	1.446
August 2016	W	-	1.432	W	-	1.596	W	-	1.869	W	-	1.459
September 2015	W	-	1.499	W	-	1.715	W	-	1.991	W	-	1.532
PAD District 2												
September 2016	1.665	NA	1.440	1.928	W	1.616	2.184	W	1.941	1.706	NA	1.482
August 2016	1.675	NA	1.492	1.920	W	1.657	2.173	W	1.956	1.714	NA	1.534
September 2015	1.790	1.641	1.556	2.002	W	1.765	2.221	NA	2.135	1.824	1.665	1.607
Illinois												
September 2016	W	1.631	1.453	W	-	1.631	W	-	2.047	W	1.631	1.513
August 2016	W	NA	1.523	W	-	1.701	W	-	2.109	W	NA	1.582
September 2015	NA	NA	1.624	NA	-	1.833	NA	-	2.275	NA	NA	1.692
Indiana												
September 2016	W	W	1.409	W	-	1.653	W	-	1.957	W	W	1.450
August 2016	W	W	1.462	W	-	1.703	W	-	2.010	W	W	1.504
September 2015	W	W	1.568	W	-	1.852	W	-	2.227	W	W	1.619
Iowa												
September 2016	-	W	1.440	-	-	1.629	-	-	1.933	-	W	1.492
August 2016	-	W	1.489	-	-	1.648	-	-	1.881	-	W	1.535
September 2015	-	W	1.538	-	-	1.755	-	-	2.128	-	W	1.611
Kansas												
September 2016	W	W	1.415	W	W	1.626	-	-	1.827	W	W	1.447
August 2016	W	W	1.492	W	W	1.698	-	-	1.842	W	W	1.519
September 2015	W	W	1.499	W	W	1.738	-	-	1.991	W	W	1.535
Kentucky												
September 2016	W	W	1.480	W	-	1.650	W	W	1.952	W	W	1.512
August 2016	W	W	1.491	W	-	1.672	W	W	1.962	W	W	1.522
September 2015	W	W	1.577	W	-	1.767	W	-	2.119	W	W	1.614
Michigan												
September 2016	W	W	1.482	W	-	1.724	W	NA	2.075	W	W	1.521
August 2016	W	W	1.554	W	-	1.819	W	NA	2.166	W	W	1.598
September 2015	W	W	1.596	W	-	1.845	W	W	2.263	W	W	1.640
Minnesota												
September 2016	W	W	1.435	W	W	1.559	W	W	1.796	W	W	1.468
August 2016	W	W	1.503	W	W	1.599	W	W	1.778	W	W	1.533
September 2015	W	W	1.558	W	W	1.730	W	-	2.038	W	W	1.602
Missouri												
September 2016	-	W	1.423	-	-	1.622	-	-	1.872	-	W	1.457
August 2016	-	-	1.480	-	-	1.661	-	-	1.878	-	-	1.510
September 2015	-	W	1.502	-	-	1.738	-	-	2.004	-	W	1.541

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)

dollars per gallon excluding taxes

	Regular			Midgrade			Premium			All grades		
	Sales to end users			Sales to end users			Sales to end users			Sales to end users		
Geographic area month	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
PAD District 2 (cont.)												
Nebraska												
September 2016	W	W	1.438	W	-	1.643	W	-	1.916	W	W	1.490
August 2016	W	W	1.486	W	-	1.664	W	-	1.869	W	W	1.527
September 2015	W	W	1.536	W	-	1.725	W	W	2.130	W	W	1.605
North Dakota												
September 2016	W	W	1.538	W	W	1.666	W	W	2.013	W	W	1.585
August 2016	W	W	1.557	W	W	1.678	W	W	1.996	W	W	1.607
September 2015	W	W	1.663	W	W	1.797	W	W	2.182	W	W	1.713
Ohio												
September 2016	W	W	1.417	W	-	1.653	W	W	1.997	W	W	1.461
August 2016	W	W	1.491	W	-	1.738	W	W	2.066	W	W	1.535
September 2015	W	W	1.549	W	-	1.811	W	W	2.194	W	W	1.600
Oklahoma												
September 2016	W	W	1.448	W	-	1.625	W	-	1.834	W	W	1.485
August 2016	W	W	1.488	W	-	1.644	W	-	1.774	W	W	1.521
September 2015	W	W	1.532	W	-	1.763	W	-	1.988	W	W	1.583
South Dakota												
September 2016	W	W	1.449	W	W	1.614	W	-	1.962	W	W	1.497
August 2016	W	W	1.469	W	W	1.596	W	-	1.886	W	W	1.516
September 2015	W	NA	1.577	W	W	1.759	W	-	2.170	W	W	1.639
Tennessee												
September 2016	W	W	1.408	W	-	1.543	W	W	1.762	W	W	1.439
August 2016	W	W	1.400	W	-	1.558	W	NA	1.753	W	W	1.434
September 2015	W	W	1.428	W	-	1.589	W	W	1.834	W	W	1.465
Wisconsin												
September 2016	W	W	1.448	W	-	1.629	W	W	2.021	W	W	1.497
August 2016	W	W	1.503	W	-	1.670	W	W	2.040	W	W	1.553
September 2015	W	1.773	1.635	W	-	1.878	W	W	2.398	W	1.791	1.696
PAD District 3												
September 2016	1.622	1.542	1.395	1.873	W	1.526	2.065	NA	1.653	1.676	1.590	1.422
August 2016	1.592	1.529	1.419	1.856	NA	1.567	2.053	NA	1.697	1.647	1.595	1.445
September 2015	1.777	1.641	1.432	2.083	W	1.578	2.234	NA	1.761	1.833	1.660	1.463
Alabama												
September 2016	W	W	1.394	W	NA	1.702	W	W	1.868	W	W	1.438
August 2016	W	W	1.377	W	W	1.689	W	W	1.838	W	W	1.419
September 2015	W	W	1.425	W	-	1.696	W	W	1.904	W	W	1.471
Arkansas												
September 2016	W	-	1.408	W	-	1.582	W	-	1.805	W	-	1.439
August 2016	W	-	1.456	W	-	1.615	W	-	1.798	W	-	1.484
September 2015	W	-	1.499	W	-	1.684	W	-	1.928	W	-	1.532
Louisiana												
September 2016	-	NA	1.397	-	-	1.490	-	-	1.589	-	NA	1.420
August 2016	-	W	1.417	-	-	1.538	-	-	1.693	-	W	1.440
September 2015	-	-	1.403	-	-	1.521	-	-	1.776	-	-	1.426
Mississippi												
September 2016	W	W	1.416	W	NA	1.539	W	-	1.694	W	W	1.451
August 2016	W	W	1.387	W	W	1.541	W	-	1.590	W	W	1.411
September 2015	W	W	1.425	W	-	1.565	W	-	1.707	W	W	1.464
New Mexico												
September 2016	1.732	W	1.465	1.903	W	1.636	2.079	W	1.828	1.785	W	1.512
August 2016	1.718	W	1.537	1.893	W	1.701	2.056	W	1.870	1.770	W	1.581
September 2015	2.077	W	1.628	W	W	1.807	W	W	1.992	W	W	1.674
Texas												
September 2016	W	1.583	1.390	W	W	1.477	W	-	1.627	W	1.599	1.413
August 2016	W	W	1.421	W	W	1.531	W	W	1.686	W	W	1.445
September 2015	W	1.688	1.427	W	W	1.540	W	W	1.735	W	1.703	1.457

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)

dollars per gallon excluding taxes

	Regular			Midgrade			Premium			All grades		
	Sales to end users			Sales to end users			Sales to end users			Sales to end users		
Geographic area month	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
PAD District 4												
September 2016	1.832	1.751	1.532	1.985	W	1.701	2.234	NA	1.872	1.913	1.770	1.595
August 2016	1.796	1.750	1.518	1.951	W	1.700	2.227	W	1.857	1.881	1.783	1.582
September 2015	2.221	2.009	1.733	2.358	W	1.848	2.553	W	2.060	2.287	2.050	1.792
Colorado												
September 2016	1.750	NA	1.507	1.974	W	1.672	2.273	W	1.925	1.873	1.839	1.582
August 2016	1.706	W	1.513	1.932	W	1.677	2.231	W	1.925	1.829	1.866	1.588
September 2015	2.164	1.915	1.583	2.334	W	1.727	2.554	W	1.971	2.253	1.947	1.653
Idaho												
September 2016	W	W	1.610	W	W	1.767	W	W	1.852	W	W	1.647
August 2016	W	W	1.619	W	W	1.825	W	W	1.857	W	W	1.657
September 2015	W	W	1.889	W	W	NA	W	W	2.097	W	W	1.920
Montana												
September 2016	W	W	1.647	W	W	1.798	W	W	2.085	W	W	1.725
August 2016	W	W	1.554	W	W	1.712	W	W	1.997	W	W	1.641
September 2015	W	W	1.745	W	-	1.872	W	W	2.101	W	W	1.807
Utah												
September 2016	W	W	1.505	W	W	1.738	W	W	1.734	W	1.591	1.557
August 2016	W	W	1.475	W	W	1.714	W	W	1.700	W	W	1.525
September 2015	NA	W	1.958	NA	W	2.127	NA	-	2.166	NA	W	2.004
Wyoming												
September 2016	W	W	1.461	W	-	1.658	W	-	1.844	W	W	1.520
August 2016	W	-	1.468	W	-	1.707	W	-	1.862	W	-	1.531
September 2015	W	W	1.666	W	-	1.853	W	-	2.057	W	W	1.720
PAD District 5												
September 2016	2.050	1.819	1.686	2.189	NA	1.841	2.316	2.005	1.951	2.118	1.839	1.736
August 2016	1.973	1.754	1.555	2.103	1.918	1.715	2.233	1.969	1.815	2.039	1.776	1.605
September 2015	2.373	NA	1.829	2.572	NA	2.021	2.660	NA	2.112	2.448	NA	1.880
Alaska												
September 2016	W	W	W	W	W	W	W	W	2.135	W	W	W
August 2016	W	W	W	W	W	W	W	W	2.075	W	W	W
September 2015	W	W	W	W	-	W	W	W	2.427	W	W	W
Arizona												
September 2016	W	W	1.521	W	W	1.618	W	W	1.765	W	W	1.550
August 2016	W	W	1.457	W	W	1.581	W	W	1.716	W	W	1.487
September 2015	W	W	1.613	W	W	1.717	W	W	1.888	W	W	1.646
California												
September 2016	W	1.841	1.736	W	-	1.877	W	-	1.990	W	1.841	1.789
August 2016	W	1.676	1.592	W	W	1.731	W	-	1.841	W	1.684	1.645
September 2015	W	2.069	1.960	W	-	2.093	W	-	2.200	W	2.069	2.008
Hawaii												
September 2016	W	W	W	W	W	W	W	-	W	W	W	W
August 2016	W	W	W	W	W	W	W	-	W	W	W	W
September 2015	W	W	W	W	W	W	W	W	W	W	W	W
Nevada												
September 2016	W	W	1.594	W	-	1.696	W	W	1.801	W	1.813	1.638
August 2016	W	W	1.481	W	-	1.608	W	W	1.700	W	1.729	1.529
September 2015	NA	W	1.947	NA	-	2.246	NA	W	2.204	NA	W	2.001
Oregon												
September 2016	2.035	-	1.629	2.197	-	1.799	2.312	-	1.916	2.077	-	1.667
August 2016	1.956	-	1.487	2.090	-	1.660	2.194	-	1.762	1.994	-	1.523
September 2015	NA	-	1.525	2.327	-	1.691	2.440	-	1.790	2.218	-	1.556
Washington												
September 2016	2.037	W	1.653	2.177	W	1.847	2.298	W	1.933	2.085	W	1.702
August 2016	1.907	W	1.515	2.033	W	1.717	2.157	W	1.807	1.953	W	1.563
September 2015	2.012	W	1.533	2.154	W	1.696	2.270	W	1.820	2.057	W	1.578

- = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] Sales to "other end users" are all end-user sales that were not made through company-operated retail outlets, e.g., sales to agricultural customers or utilities.
Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.
Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
September 2016	W	2.506	1.389	1.366	W	1.402
August 2016	W	2.405	1.330	1.313	W	1.408
September 2015	W	2.586	1.465	1.443	2.996	1.509
PAD District 1						
September 2016	W	2.469	1.404	1.388	W	W
August 2016	W	2.432	1.340	1.333	W	1.499
September 2015	W	2.497	1.476	1.472	2.818	1.670
Subdistrict 1A						
September 2016	-	W	1.490	1.461	W	-
August 2016	W	W	1.366	NA	W	-
September 2015	W	W	1.550	1.540	W	-
Connecticut						
September 2016	-	-	W	W	-	-
August 2016	-	-	W	W	-	-
September 2015	-	-	W	W	-	-
Maine						
September 2016	-	W	W	W	-	-
August 2016	W	W	W	W	-	-
September 2015	W	W	W	W	-	-
Massachusetts						
September 2016	-	-	W	W	W	-
August 2016	-	-	W	NA	W	-
September 2015	-	-	W	W	W	-
New Hampshire						
September 2016	-	-	W	W	W	-
August 2016	-	-	W	W	W	-
September 2015	-	-	W	-	-	-
Rhode Island						
September 2016	-	-	W	W	W	-
August 2016	-	-	W	W	W	-
September 2015	-	-	W	W	-	-
Vermont						
September 2016	-	-	W	W	-	-
August 2016	-	-	W	W	-	-
September 2015	-	-	W	-	-	-
Subdistrict 1B						
September 2016	W	W	1.389	1.380	W	W
August 2016	W	W	1.330	1.332	W	1.486
September 2015	-	W	1.468	1.468	2.705	1.635
Delaware						
September 2016	-	-	-	W	W	W
August 2016	-	-	-	W	W	-
September 2015	-	-	-	W	-	-
District of Columbia						
September 2016	-	-	-	-	-	-
August 2016	-	-	-	-	-	-
September 2015	-	-	-	-	-	-
Maryland						
September 2016	-	-	W	1.403	-	W
August 2016	-	-	W	1.292	-	W
September 2015	-	-	W	W	-	W
New Jersey						
September 2016	-	-	1.372	1.378	W	-
August 2016	-	-	1.332	1.323	W	1.479
September 2015	-	-	1.458	1.467	W	1.606
New York						
September 2016	W	W	W	1.406	W	W
August 2016	W	W	W	1.384	W	W
September 2015	-	W	W	1.492	W	W
Pennsylvania						
September 2016	W	W	W	1.382	W	W
August 2016	-	W	W	1.350	W	1.749
September 2015	-	W	W	1.472	3.054	W

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
September 2016	W	2.416	1.415	1.397	W	W
August 2016	W	2.366	1.357	1.311	W	W
September 2015	W	2.421	1.493	1.463	W	W
Florida						
September 2016	-	2.340	1.427	NA	W	-
August 2016	-	2.291	1.385	1.304	W	-
September 2015	-	2.334	1.502	1.464	-	-
Georgia						
September 2016	W	2.535	W	1.413	-	-
August 2016	W	W	W	1.335	-	-
September 2015	W	W	1.427	1.443	-	W
North Carolina						
September 2016	W	W	W	W	W	W
August 2016	W	W	W	1.320	W	W
September 2015	W	W	W	1.460	W	W
South Carolina						
September 2016	-	-	W	1.408	W	W
August 2016	-	-	W	W	W	W
September 2015	-	-	W	1.452	-	-
Virginia						
September 2016	-	W	1.387	1.407	-	W
August 2016	-	W	1.303	1.345	-	W
September 2015	-	W	1.495	W	-	W
West Virginia						
September 2016	-	-	W	W	W	-
August 2016	-	-	W	W	W	-
September 2015	-	-	W	W	W	-
PAD District 2						
September 2016	W	2.635	1.407	1.372	W	1.913
August 2016	W	2.569	1.342	1.348	W	1.864
September 2015	W	2.754	1.458	1.437	W	2.159
Illinois						
September 2016	-	W	1.442	W	W	W
August 2016	W	W	1.393	1.402	W	W
September 2015	W	W	1.463	W	W	W
Indiana						
September 2016	-	-	1.390	1.438	W	W
August 2016	-	-	1.330	NA	W	W
September 2015	-	-	1.426	1.505	W	W
Iowa						
September 2016	-	-	W	W	-	-
August 2016	-	-	W	1.377	-	W
September 2015	-	-	W	W	-	W
Kansas						
September 2016	W	W	W	W	-	W
August 2016	W	W	W	W	-	W
September 2015	W	W	W	W	-	W
Kentucky						
September 2016	-	W	W	1.373	W	W
August 2016	-	W	W	1.246	W	W
September 2015	W	W	1.449	1.424	W	W
Michigan						
September 2016	-	-	1.381	1.356	W	W
August 2016	-	-	W	1.302	W	W
September 2015	-	-	W	1.404	W	W
Minnesota						
September 2016	W	W	1.398	W	W	W
August 2016	W	W	1.336	W	W	1.676
September 2015	W	W	1.446	W	-	W
Missouri						
September 2016	W	-	W	W	-	-
August 2016	W	W	W	W	-	-
September 2015	W	W	W	W	-	W

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
September 2016	W	-	W	1.473	-	-
August 2016	W	-	W	1.419	-	-
September 2015	W	-	W	W	-	-
North Dakota						
September 2016	-	-	W	W	-	W
August 2016	-	-	W	W	-	-
September 2015	-	-	W	W	-	W
Ohio						
September 2016	W	-	1.408	1.317	W	W
August 2016	W	-	1.310	W	W	W
September 2015	-	W	1.439	W	W	W
Oklahoma						
September 2016	W	W	W	1.393	-	W
August 2016	W	-	W	1.346	-	W
September 2015	W	-	W	1.483	-	W
South Dakota						
September 2016	-	-	W	1.409	-	-
August 2016	-	-	W	1.367	-	-
September 2015	-	-	1.659	W	-	-
Tennessee						
September 2016	-	W	W	1.399	W	W
August 2016	W	W	W	1.322	W	W
September 2015	W	W	W	1.454	-	W
Wisconsin						
September 2016	-	-	W	W	W	W
August 2016	-	-	W	NA	W	W
September 2015	-	-	W	W	-	W
PAD District 3						
September 2016	W	2.240	1.371	1.342	-	1.350
August 2016	W	2.210	1.313	1.271	-	1.378
September 2015	W	2.326	1.442	1.411	-	1.408
Alabama						
September 2016	W	W	1.356	1.407	-	W
August 2016	-	W	1.316	NA	-	W
September 2015	W	W	1.457	1.457	-	W
Arkansas						
September 2016	-	-	W	W	-	-
August 2016	W	W	W	W	-	-
September 2015	W	-	W	W	-	-
Louisiana						
September 2016	W	2.323	1.347	1.331	-	W
August 2016	-	2.239	1.286	1.252	-	W
September 2015	-	2.326	1.400	1.405	-	W
Mississippi						
September 2016	-	W	1.335	1.349	-	W
August 2016	-	W	1.313	1.253	-	-
September 2015	-	W	1.387	1.399	-	-
New Mexico						
September 2016	W	-	W	W	-	-
August 2016	W	-	W	W	-	-
September 2015	W	-	W	1.544	-	-
Texas						
September 2016	W	W	1.380	1.346	-	W
August 2016	W	W	1.316	1.282	-	W
September 2015	W	2.325	1.452	1.418	-	W

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
September 2016	W	W	1.442	1.421	-	-
August 2016	W	W	1.380	1.357	-	-
September 2015	W	W	1.506	1.563	-	-
Colorado						
September 2016	W	-	1.432	1.409	-	-
August 2016	W	-	1.350	1.351	-	-
September 2015	W	-	1.464	1.518	-	-
Idaho						
September 2016	-	-	W	1.544	-	-
August 2016	-	-	W	1.479	-	-
September 2015	-	-	W	1.659	-	-
Montana						
September 2016	W	W	W	W	-	-
August 2016	W	W	W	W	-	-
September 2015	W	W	W	W	-	-
Utah						
September 2016	W	W	1.433	1.422	-	-
August 2016	W	W	1.371	1.336	-	-
September 2015	-	W	1.515	1.608	-	-
Wyoming						
September 2016	-	-	W	1.433	-	-
August 2016	-	-	W	W	-	-
September 2015	-	-	W	W	-	-
PAD District 5						
September 2016	W	2.659	1.379	1.376	-	W
August 2016	W	2.386	1.325	1.324	-	W
September 2015	W	2.722	1.478	1.472	-	W
Alaska						
September 2016	W	W	W	W	-	-
August 2016	W	W	W	W	-	-
September 2015	W	W	NA	NA	-	-
Arizona						
September 2016	W	W	1.421	1.411	-	-
August 2016	W	W	1.370	1.342	-	-
September 2015	W	W	1.498	1.494	-	-
California						
September 2016	-	2.625	1.359	1.364	-	W
August 2016	-	W	1.306	1.314	-	W
September 2015	-	2.677	1.457	1.464	-	W
Hawaii						
September 2016	-	W	W	W	-	-
August 2016	-	W	W	W	-	-
September 2015	-	W	W	W	-	-
Nevada						
September 2016	-	-	W	W	-	-
August 2016	-	-	W	W	-	-
September 2015	-	-	W	W	-	-
Oregon						
September 2016	-	2.706	1.421	1.411	-	-
August 2016	-	2.604	1.343	1.342	-	-
September 2015	-	2.749	1.497	W	-	-
Washington						
September 2016	-	NA	1.355	1.376	-	-
August 2016	-	NA	1.297	1.328	-	-
September 2015	-	W	1.472	1.472	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

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

Table 33. Refiner prices of distillate fuels by PAD District and state

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
September 2016	1.977	1.743	1.603	1.467	W	W
August 2016	1.890	1.759	1.578	1.437	W	W
September 2015	W	1.902	1.694	1.549	W	1.123
PAD District 1						
September 2016	W	W	1.672	1.439	-	-
August 2016	W	1.826	1.627	1.418	-	-
September 2015	-	W	1.737	1.526	-	-
Subdistrict 1A						
September 2016	-	W	1.762	1.449	-	-
August 2016	-	W	1.754	1.430	-	-
September 2015	-	W	1.927	1.588	-	-
Connecticut						
September 2016	-	-	W	1.438	-	-
August 2016	-	-	W	1.419	-	-
September 2015	-	-	W	1.558	-	-
Maine						
September 2016	-	W	-	1.474	-	-
August 2016	-	W	-	1.445	-	-
September 2015	-	-	-	1.795	-	-
Massachusetts						
September 2016	-	-	W	1.478	-	-
August 2016	-	-	W	1.459	-	-
September 2015	-	-	1.959	1.596	-	-
New Hampshire						
September 2016	-	W	W	W	-	-
August 2016	-	-	W	W	-	-
September 2015	-	-	W	W	-	-
Rhode Island						
September 2016	-	-	W	W	-	-
August 2016	-	-	W	W	-	-
September 2015	-	-	W	1.554	-	-
Vermont						
September 2016	-	W	W	W	-	-
August 2016	-	W	W	W	-	-
September 2015	-	W	W	W	-	-
Subdistrict 1B						
September 2016	W	W	1.642	1.417	-	-
August 2016	W	1.810	1.599	1.393	-	-
September 2015	-	W	1.740	1.516	-	-
Delaware						
September 2016	-	-	1.617	1.362	-	-
August 2016	-	-	1.503	1.371	-	-
September 2015	-	-	W	1.542	-	-
District of Columbia						
September 2016	-	-	-	W	-	-
August 2016	-	-	-	W	-	-
September 2015	-	-	-	W	-	-
Maryland						
September 2016	-	-	W	1.429	-	-
August 2016	-	-	W	1.416	-	-
September 2015	-	-	W	1.519	-	-
New Jersey						
September 2016	-	-	1.648	1.413	-	-
August 2016	-	-	1.625	1.369	-	-
September 2015	-	-	1.715	1.500	-	-
New York						
September 2016	-	W	1.737	1.464	-	-
August 2016	-	W	1.680	1.437	-	-
September 2015	-	W	1.802	1.573	-	-
Pennsylvania						
September 2016	W	W	1.593	1.414	-	-
August 2016	W	W	1.541	1.403	-	-
September 2015	-	W	1.756	1.514	-	-

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
September 2016	-	W	1.683	1.467	-	-
August 2016	-	W	1.637	1.443	-	-
September 2015	-	W	1.731	1.530	-	-
Florida						
September 2016	-	-	1.629	1.493	-	-
August 2016	-	-	1.587	1.479	-	-
September 2015	-	-	1.679	1.573	-	-
Georgia						
September 2016	-	W	1.663	1.461	-	-
August 2016	-	W	1.635	1.431	-	-
September 2015	-	W	1.684	1.503	-	-
North Carolina						
September 2016	-	-	1.692	1.452	-	-
August 2016	-	-	1.638	1.419	-	-
September 2015	-	-	1.718	1.505	-	-
South Carolina						
September 2016	-	-	W	1.463	-	-
August 2016	-	-	W	1.442	-	-
September 2015	-	-	W	1.504	-	-
Virginia						
September 2016	-	-	1.675	1.443	-	-
August 2016	-	-	1.651	1.424	-	-
September 2015	-	-	1.718	1.508	-	-
West Virginia						
September 2016	-	-	W	1.473	-	-
August 2016	-	-	W	1.434	-	-
September 2015	-	-	W	1.597	-	-
PAD District 2						
September 2016	1.967	1.729	1.601	1.495	-	W
August 2016	NA	1.743	1.574	1.474	-	W
September 2015	NA	1.908	1.700	1.624	-	W
Illinois						
September 2016	W	W	W	1.473	-	-
August 2016	W	W	W	1.473	-	-
September 2015	W	W	1.828	1.599	-	-
Indiana						
September 2016	-	W	W	1.477	-	-
August 2016	-	W	W	1.434	-	-
September 2015	-	W	W	1.642	-	-
Iowa						
September 2016	-	1.674	1.587	1.544	-	-
August 2016	-	1.613	1.609	1.521	-	-
September 2015	-	1.842	1.690	1.668	-	-
Kansas						
September 2016	-	1.645	W	1.495	-	-
August 2016	-	1.610	W	1.472	-	-
September 2015	-	1.761	W	1.619	-	-
Kentucky						
September 2016	W	W	W	1.495	-	W
August 2016	-	W	W	1.477	-	W
September 2015	-	W	W	1.611	-	W
Michigan						
September 2016	W	W	W	1.474	-	-
August 2016	W	W	W	1.488	-	-
September 2015	NA	NA	W	1.642	-	-
Minnesota						
September 2016	1.808	1.686	1.635	1.552	-	-
August 2016	1.795	1.623	1.606	1.518	-	-
September 2015	W	1.884	1.761	1.741	-	-
Missouri						
September 2016	-	W	NA	1.499	-	-
August 2016	-	-	W	1.475	-	-
September 2015	-	W	W	1.622	-	-

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
September 2016	-	1.734	W	1.532	-	-
August 2016	-	1.661	W	1.508	-	-
September 2015	-	1.985	W	1.665	-	-
North Dakota						
September 2016	W	1.662	W	1.590	-	-
August 2016	-	1.578	W	1.499	-	-
September 2015	W	1.745	W	1.635	-	-
Ohio						
September 2016	-	W	1.620	1.469	-	-
August 2016	-	W	1.616	1.453	-	-
September 2015	-	W	1.732	1.601	-	-
Oklahoma						
September 2016	-	-	W	1.474	-	-
August 2016	-	-	W	1.448	-	-
September 2015	-	-	W	1.594	-	-
South Dakota						
September 2016	W	1.697	W	1.571	-	-
August 2016	W	1.705	W	1.534	-	-
September 2015	-	1.913	2.106	1.703	-	-
Tennessee						
September 2016	-	-	1.658	1.469	-	-
August 2016	-	-	1.648	1.448	-	-
September 2015	-	-	1.675	1.521	-	-
Wisconsin						
September 2016	W	1.681	1.728	1.527	-	-
August 2016	W	W	1.701	1.512	-	-
September 2015	W	1.940	1.883	1.716	-	-
PAD District 3						
September 2016	-	W	1.501	1.416	-	W
August 2016	-	W	1.490	1.377	-	W
September 2015	-	-	1.537	1.461	-	W
Alabama						
September 2016	-	-	1.567	1.437	-	-
August 2016	-	-	1.564	1.413	-	-
September 2015	-	-	1.580	1.485	-	-
Arkansas						
September 2016	-	-	W	1.483	-	-
August 2016	-	-	W	1.444	-	-
September 2015	-	-	W	1.543	-	-
Louisiana						
September 2016	-	W	W	1.390	-	-
August 2016	-	W	1.564	1.359	-	-
September 2015	-	-	W	1.439	-	-
Mississippi						
September 2016	-	-	1.517	1.428	-	-
August 2016	-	-	W	1.376	-	-
September 2015	-	-	1.512	1.470	-	-
New Mexico						
September 2016	-	-	1.572	1.470	-	-
August 2016	-	-	1.508	1.411	-	-
September 2015	-	-	1.623	1.512	-	-
Texas						
September 2016	-	-	1.464	1.421	-	W
August 2016	-	-	1.463	1.377	-	W
September 2015	-	-	1.519	1.462	-	W

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)

dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
September 2016	W	1.918	1.605	1.587	W	-
August 2016	W	1.943	1.581	1.533	W	-
September 2015	W	1.948	1.721	1.607	W	-
Colorado						
September 2016	-	1.794	1.606	1.537	-	-
August 2016	-	1.865	1.571	1.483	-	-
September 2015	-	1.879	1.808	1.625	-	-
Idaho						
September 2016	W	2.117	1.777	1.635	-	-
August 2016	NA	W	1.751	1.599	-	-
September 2015	W	2.077	1.938	1.624	-	-
Montana						
September 2016	W	1.928	NA	1.689	-	-
August 2016	W	1.948	W	1.591	-	-
September 2015	W	1.882	1.789	1.601	-	-
Utah						
September 2016	-	W	1.640	1.569	W	-
August 2016	-	W	1.582	1.521	W	-
September 2015	-	W	1.671	1.585	W	-
Wyoming						
September 2016	-	1.881	1.522	1.576	-	-
August 2016	-	W	1.505	1.542	-	-
September 2015	-	1.960	1.638	1.602	-	-
PAD District 5						
September 2016	W	1.719	1.662	1.534	-	-
August 2016	W	1.737	1.638	1.492	-	-
September 2015	W	1.884	1.772	1.621	-	-
Alaska						
September 2016	W	W	W	W	-	-
August 2016	W	W	W	W	-	-
September 2015	W	1.928	2.236	W	-	-
Arizona						
September 2016	-	-	1.624	1.488	-	-
August 2016	-	-	1.481	1.408	-	-
September 2015	-	-	1.629	1.539	-	-
California						
September 2016	-	-	1.621	1.568	-	-
August 2016	-	-	1.577	1.488	-	-
September 2015	-	-	1.707	1.627	-	-
Hawaii						
September 2016	-	-	W	W	-	-
August 2016	-	-	1.702	W	-	-
September 2015	-	-	W	W	-	-
Nevada						
September 2016	-	-	W	1.535	-	-
August 2016	-	-	1.640	1.473	-	-
September 2015	-	-	1.721	1.647	-	-
Oregon						
September 2016	-	W	NA	1.446	-	-
August 2016	-	-	1.776	1.509	-	-
September 2015	-	W	W	1.610	-	-
Washington						
September 2016	W	W	1.697	1.474	-	-
August 2016	-	W	1.721	1.507	-	-
September 2015	-	1.629	1.846	1.611	-	-

- = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] Includes sales of No. 2 fuel oil and diesel fuels.
[b] Includes No. 4 fuel oil and No. 4 diesel fuel.
Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.
Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Volume of Petroleum Products

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state

thousand gallons per day

	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States										
September 2016	21,400.1	21,627.5	18,003.8	229,919.4	20,611.9	1,882.0	1,896.4	322.5	2,453.3	-
August 2016	21,502.0	21,748.3	18,403.6	233,912.2	21,813.8	1,885.3	1,899.4	333.9	2,672.6	-
September 2015	20,962.3	21,274.1	17,959.1	225,174.9	22,375.1	1,777.1	1,786.3	336.1	2,736.6	-
PAD District 1										
September 2016	7,027.2	7,040.1	W	66,232.0	W	611.7	616.1	W	W	-
August 2016	7,048.2	7,066.2	W	68,890.3	W	619.5	623.6	W	W	-
September 2015	7,076.0	7,082.5	W	W	3,010.8	600.3	603.3	W	W	-
Subdistrict 1A										
September 2016	W	W	W	4,275.5	W	W	W	W	W	-
August 2016	W	W	W	W	W	W	W	W	W	-
September 2015	W	W	W	W	W	W	W	W	W	-
Connecticut										
September 2016	-	W	W	2,086.8	W	-	-	W	W	-
August 2016	-	W	W	2,107.1	W	-	-	W	W	-
September 2015	W	W	W	W	W	W	W	W	W	-
Maine										
September 2016	-	-	-	586.1	-	-	-	-	W	-
August 2016	-	-	-	641.9	-	-	-	-	W	-
September 2015	-	-	-	579.4	-	-	-	-	W	-
Massachusetts										
September 2016	W	W	W	W	-	W	W	-	5.9	-
August 2016	W	W	W	W	-	W	W	-	7.5	-
September 2015	W	W	-	870.6	-	W	W	-	7.3	-
New Hampshire										
September 2016	W	W	W	W	-	W	W	-	-	-
August 2016	W	W	W	W	-	W	W	-	-	-
September 2015	W	W	-	W	-	W	W	-	-	-
Rhode Island										
September 2016	W	W	W	W	W	W	W	-	W	-
August 2016	W	W	W	740.0	W	W	W	-	W	-
September 2015	W	W	W	W	W	W	W	-	W	-
Vermont										
September 2016	-	-	W	W	-	-	-	-	W	-
August 2016	-	-	W	W	-	-	-	-	W	-
September 2015	-	-	-	85.7	-	-	-	-	W	-
Subdistrict 1B										
September 2016	3,175.6	3,176.7	W	21,987.5	W	349.5	349.8	W	W	-
August 2016	3,229.7	3,231.5	W	W	W	354.3	354.5	W	W	-
September 2015	3,228.2	3,228.9	W	20,740.6	W	342.6	342.6	W	W	-
Delaware										
September 2016	W	W	-	976.8	-	W	W	-	14.5	-
August 2016	W	W	-	1,013.4	-	W	W	-	22.4	-
September 2015	W	W	-	907.4	-	W	W	-	13.7	-
District of Columbia										
September 2016	-	-	-	-	-	-	-	-	-	-
August 2016	-	-	-	-	-	-	-	-	-	-
September 2015	-	-	-	-	-	-	-	-	-	-
Maryland										
September 2016	-	W	W	W	W	-	W	-	83.5	-
August 2016	-	W	W	W	W	-	W	-	85.0	-
September 2015	-	W	W	W	W	-	-	-	94.7	-
New Jersey										
September 2016	W	W	W	6,988.8	W	W	W	W	W	-
August 2016	W	W	W	W	185.9	W	W	W	W	-
September 2015	W	W	W	6,642.5	W	W	W	W	W	-
New York										
September 2016	1,934.8	1,934.8	W	5,038.3	W	221.4	221.4	W	W	-
August 2016	1,948.0	1,948.0	W	5,186.3	W	223.8	223.8	W	W	-
September 2015	1,971.8	1,971.8	W	4,943.0	W	218.6	218.6	W	W	-
Pennsylvania										
September 2016	W	W	-	W	W	W	W	-	37.0	-
August 2016	W	W	-	W	W	W	W	-	37.7	-
September 2015	W	W	-	W	W	W	W	-	39.1	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)

thousand gallons per day

	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States										
September 2016	2,872.9	2,895.0	5,044.3	29,128.1	2,356.7	26,155.1	26,418.9	23,370.6	261,500.7	22,968.6
August 2016	2,860.7	2,885.3	5,190.8	30,582.8	1,862.4	26,248.0	26,532.9	23,928.4	267,167.5	23,676.1
September 2015	2,654.4	2,687.3	4,663.6	28,400.1	2,047.5	25,393.8	25,747.8	22,958.9	256,311.7	24,422.8
PAD District 1										
September 2016	946.5	946.7	W	W	W	8,585.5	8,602.9	W	75,825.3	W
August 2016	943.5	943.6	W	W	W	8,611.2	8,633.4	W	79,220.0	W
September 2015	934.4	934.6	W	W	124.0	8,610.7	8,620.4	W	W	3,134.7
Subdistrict 1A										
September 2016	W	W	W	W	-	W	W	W	4,993.3	W
August 2016	W	W	W	W	-	W	W	W	5,191.2	W
September 2015	W	W	W	W	-	W	W	W	W	W
Connecticut										
September 2016	-	W	W	W	-	-	W	W	2,483.1	W
August 2016	-	-	W	W	-	-	W	W	2,513.8	W
September 2015	W	W	W	W	-	W	W	W	2,421.1	W
Maine										
September 2016	-	-	W	37.6	-	-	-	W	W	-
August 2016	-	-	W	48.1	-	-	-	W	W	-
September 2015	-	-	-	W	-	-	-	-	625.8	-
Massachusetts										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	W	W	-	W	W	W	W	-
September 2015	W	W	-	138.3	-	W	W	-	1,016.2	-
New Hampshire										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	W	W	-	W	W	W	W	-
September 2015	W	W	-	W	-	W	W	-	W	-
Rhode Island										
September 2016	W	W	W	W	-	W	W	W	W	W
August 2016	W	W	W	W	-	W	W	W	896.4	W
September 2015	W	W	W	W	-	W	W	W	W	W
Vermont										
September 2016	-	-	W	W	-	-	-	W	W	-
August 2016	-	-	W	W	-	-	-	W	W	-
September 2015	-	-	-	W	-	-	-	-	91.7	-
Subdistrict 1B										
September 2016	577.5	577.5	W	W	W	4,102.6	4,104.0	W	25,356.9	W
August 2016	588.5	588.6	W	3,208.1	W	4,172.5	4,174.5	W	25,364.1	W
September 2015	575.2	575.3	W	W	124.0	4,146.0	4,146.8	W	23,901.6	W
Delaware										
September 2016	W	W	-	124.7	-	W	W	-	1,116.0	-
August 2016	W	W	-	119.5	-	W	W	-	1,155.2	-
September 2015	W	W	-	117.5	-	W	W	-	1,038.7	-
District of Columbia										
September 2016	-	-	-	-	-	-	-	-	-	-
August 2016	-	-	-	-	-	-	-	-	-	-
September 2015	-	-	-	-	-	-	-	-	-	-
Maryland										
September 2016	-	W	-	W	W	-	W	W	W	W
August 2016	-	W	-	W	W	-	W	W	4,396.3	W
September 2015	-	W	-	W	W	-	W	W	4,289.9	W
New Jersey										
September 2016	W	W	W	W	-	W	W	W	8,066.1	W
August 2016	W	W	W	W	-	W	W	W	W	185.9
September 2015	W	W	W	W	-	W	W	W	7,662.9	W
New York										
September 2016	369.5	369.5	W	W	W	2,525.6	2,525.6	W	5,873.9	W
August 2016	377.7	377.7	W	W	W	2,549.5	2,549.5	W	6,069.5	W
September 2015	371.3	371.3	W	779.5	W	2,561.7	2,561.7	W	W	167.0
Pennsylvania										
September 2016	W	W	-	W	W	W	W	-	W	W
August 2016	W	W	-	W	W	W	W	-	W	W
September 2015	W	W	-	W	W	W	W	-	W	W

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)

thousand gallons per day

	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
September 2016	W	W	W	39,969.0	W	W	W	W	W	-
August 2016	W	W	W	42,530.6	W	W	W	W	W	-
September 2015	W	W	W	40,663.5	W	W	W	W	W	-
Florida										
September 2016	W	W	-	13,481.6	-	W	W	-	126.3	-
August 2016	W	W	-	13,468.2	-	W	W	-	140.1	-
September 2015	W	W	-	12,821.9	-	W	W	-	137.2	-
Georgia										
September 2016	W	114.1	W	7,294.6	W	W	W	W	W	-
August 2016	W	124.4	W	W	W	W	W	W	W	-
September 2015	W	114.2	W	W	-	W	W	W	W	-
North Carolina										
September 2016	W	W	-	W	W	W	W	-	160.2	-
August 2016	W	W	-	W	W	W	W	-	184.0	-
September 2015	W	W	-	W	W	W	W	-	159.0	-
South Carolina										
September 2016	W	W	-	3,952.7	-	W	W	-	48.3	-
August 2016	W	W	-	4,519.0	-	W	W	-	55.8	-
September 2015	W	W	-	4,346.0	-	W	W	-	61.1	-
Virginia										
September 2016	W	W	W	W	-	W	W	-	111.0	-
August 2016	W	W	-	6,969.1	-	W	W	-	126.8	-
September 2015	76.4	76.4	W	W	-	6.9	6.9	-	127.5	-
West Virginia										
September 2016	W	W	-	780.1	-	W	W	-	10.0	-
August 2016	W	W	-	751.5	-	W	W	-	10.8	-
September 2015	W	W	-	634.6	-	W	W	-	9.9	-
PAD District 2										
September 2016	8,589.8	8,705.3	W	W	1,457.9	380.3	384.1	W	W	-
August 2016	8,666.7	8,789.7	W	W	1,693.9	385.6	389.9	W	W	-
September 2015	8,416.3	8,552.0	W	W	1,359.4	372.7	376.4	W	W	-
Illinois										
September 2016	W	W	-	W	W	W	W	-	122.6	-
August 2016	W	W	-	W	W	W	W	-	121.0	-
September 2015	NA	W	-	W	W	NA	NA	-	135.3	-
Indiana										
September 2016	W	W	-	W	W	W	W	-	50.4	-
August 2016	W	W	-	W	W	W	W	-	53.1	-
September 2015	W	W	-	W	W	W	W	-	54.5	-
Iowa										
September 2016	-	W	-	2,618.2	-	-	-	-	64.8	-
August 2016	-	W	-	2,609.9	-	-	-	-	64.8	-
September 2015	-	W	-	2,521.7	-	-	-	-	85.4	-
Kansas										
September 2016	W	W	-	W	W	W	W	-	31.6	-
August 2016	W	W	-	4,396.7	1,050.0	W	W	-	35.4	-
September 2015	W	W	-	W	W	W	W	-	33.1	-
Kentucky										
September 2016	W	W	-	W	W	W	W	-	16.7	-
August 2016	W	W	-	W	W	W	W	-	16.3	-
September 2015	W	W	-	W	W	W	W	-	20.7	-
Michigan										
September 2016	W	W	-	9,664.3	-	W	W	-	23.0	-
August 2016	W	W	-	W	W	W	W	-	26.4	-
September 2015	W	W	-	W	W	W	W	-	27.9	-
Minnesota										
September 2016	W	W	W	5,097.5	W	W	W	W	W	-
August 2016	W	W	W	5,128.1	W	W	W	W	W	-
September 2015	W	W	-	W	W	W	W	-	159.9	-
Missouri										
September 2016	-	W	-	3,492.7	-	-	-	-	18.4	-
August 2016	-	-	-	3,313.8	-	-	-	-	22.3	-
September 2015	-	W	-	3,157.9	-	-	-	-	21.0	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)

thousand gallons per day

	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
September 2016	W	W	W	W	-	W	W	W	45,475.1	W
August 2016	W	W	W	W	-	W	W	W	48,664.6	W
September 2015	W	W	W	W	-	W	W	W	46,670.3	W
Florida										
September 2016	W	W	-	1,863.7	-	W	W	-	15,471.6	-
August 2016	W	W	-	1,933.4	-	W	W	-	15,541.7	-
September 2015	W	W	-	1,935.1	-	W	W	-	14,894.2	-
Georgia										
September 2016	W	W	W	W	-	W	132.4	W	8,199.4	W
August 2016	W	W	W	W	-	W	140.6	W	W	W
September 2015	W	W	W	W	-	W	128.1	W	W	-
North Carolina										
September 2016	W	W	-	953.3	-	W	W	-	W	W
August 2016	W	W	-	1,066.4	-	W	W	-	W	W
September 2015	W	W	-	1,005.8	-	W	W	-	W	W
South Carolina										
September 2016	W	W	-	392.4	-	W	W	-	4,393.4	-
August 2016	W	W	-	479.8	-	W	W	-	5,054.7	-
September 2015	W	W	-	478.8	-	W	W	-	4,885.9	-
Virginia										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	-	1,017.2	-	W	W	-	8,113.0	-
September 2015	11.5	11.5	-	990.6	-	94.7	94.8	W	W	-
West Virginia										
September 2016	W	W	-	46.1	-	W	W	-	836.3	-
August 2016	W	W	-	45.4	-	W	W	-	807.8	-
September 2015	W	W	-	41.3	-	W	W	-	685.7	-
PAD District 2										
September 2016	557.6	568.3	W	6,721.4	W	9,527.8	9,657.7	W	84,692.6	W
August 2016	561.5	572.0	W	7,192.6	W	9,613.8	9,751.7	W	85,748.2	W
September 2015	541.4	550.5	W	6,757.7	W	9,330.4	9,479.0	W	82,854.3	W
Illinois										
September 2016	W	W	-	1,245.2	-	W	W	-	W	W
August 2016	W	W	-	1,247.8	-	W	W	-	W	W
September 2015	NA	NA	-	1,247.0	-	NA	W	-	W	W
Indiana										
September 2016	W	W	-	W	W	W	W	-	W	W
August 2016	W	W	-	W	W	W	W	-	W	W
September 2015	W	W	-	448.7	-	W	W	-	W	W
Iowa										
September 2016	-	-	-	290.6	-	-	W	-	2,973.6	-
August 2016	-	-	-	320.4	-	-	W	-	2,995.0	-
September 2015	-	-	-	333.4	-	-	W	-	2,940.5	-
Kansas										
September 2016	-	-	-	W	W	W	W	-	W	W
August 2016	-	-	-	342.0	81.3	W	W	-	4,774.0	1,131.3
September 2015	-	-	-	W	W	W	W	-	W	W
Kentucky										
September 2016	W	W	-	283.3	-	W	W	-	W	W
August 2016	W	W	-	254.0	-	W	W	-	W	W
September 2015	W	W	-	245.5	-	W	W	-	W	W
Michigan										
September 2016	W	W	-	678.2	-	W	W	-	10,365.5	-
August 2016	W	W	-	745.7	-	W	W	-	W	W
September 2015	W	W	-	665.3	-	W	W	-	W	W
Minnesota										
September 2016	W	W	W	W	W	W	W	W	5,666.1	W
August 2016	W	W	W	W	W	W	W	W	5,807.7	W
September 2015	W	W	-	W	W	W	W	-	W	W
Missouri										
September 2016	-	-	-	274.4	-	-	W	-	3,785.5	-
August 2016	-	-	-	258.0	-	-	-	-	3,594.2	-
September 2015	-	-	-	253.1	-	-	W	-	3,432.0	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)

thousand gallons per day

	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)										
Nebraska										
September 2016	W	W	-	1,586.9	-	W	W	-	30.9	-
August 2016	W	W	-	1,552.7	-	W	W	-	30.1	-
September 2015	W	W	-	1,461.3	-	W	W	-	46.0	-
North Dakota										
September 2016	W	W	W	W	-	W	W	-	29.3	-
August 2016	W	W	W	W	-	W	W	-	29.6	-
September 2015	W	W	-	976.2	-	W	W	-	36.9	-
Ohio										
September 2016	W	W	-	10,046.5	-	W	W	-	59.5	-
August 2016	W	W	-	9,711.7	-	W	W	-	60.1	-
September 2015	W	W	-	9,506.9	-	W	W	-	64.2	-
Oklahoma										
September 2016	W	W	-	4,130.5	588.0	W	W	-	7.3	-
August 2016	W	W	-	4,208.4	210.0	W	W	-	6.9	-
September 2015	W	W	-	W	W	W	W	-	9.7	-
South Dakota										
September 2016	W	W	-	941.4	-	W	W	-	25.7	-
August 2016	W	W	-	1,011.7	-	W	W	-	29.1	-
September 2015	W	W	-	905.4	-	W	W	-	38.1	-
Tennessee										
September 2016	W	786.3	W	W	-	W	W	W	W	-
August 2016	W	796.3	W	W	-	W	W	W	W	-
September 2015	W	788.7	W	W	-	W	W	W	W	-
Wisconsin										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	W	W	-	W	W	W	W	-
September 2015	W	W	-	5,453.3	-	W	W	-	67.0	-
PAD District 3										
September 2016	1,279.1	1,308.8	76.6	47,968.1	13,499.6	112.3	115.6	W	W	-
August 2016	1,309.4	1,341.3	82.2	47,395.8	14,327.0	115.0	117.9	W	W	-
September 2015	1,223.8	1,265.4	96.3	46,654.3	15,095.1	102.4	103.5	W	W	-
Alabama										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	W	4,238.9	W	W	W	W	W	-
September 2015	W	W	W	W	-	W	W	W	W	-
Arkansas										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	W	W	-	W	W	W	W	-
September 2015	W	W	W	W	-	W	W	W	W	-
Louisiana										
September 2016	-	NA	-	W	W	-	-	-	34.3	-
August 2016	-	W	-	W	W	-	-	-	35.5	-
September 2015	-	-	-	5,867.5	2,403.7	-	-	-	47.2	-
Mississippi										
September 2016	W	21.4	-	3,217.5	595.0	W	W	-	30.0	-
August 2016	W	26.3	-	3,275.5	1,988.7	W	W	-	31.9	-
September 2015	W	W	-	W	W	W	W	-	33.0	-
New Mexico										
September 2016	385.0	393.9	W	W	-	54.6	54.8	W	W	-
August 2016	389.2	399.9	W	W	-	54.3	54.7	W	W	-
September 2015	312.1	323.1	W	W	-	W	W	W	W	-
Texas										
September 2016	W	W	W	29,756.1	W	W	40.1	-	236.3	-
August 2016	W	W	W	29,875.3	W	W	39.6	-	241.7	-
September 2015	W	546.0	W	W	W	W	39.5	W	W	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)

thousand gallons per day

	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)										
Nebraska										
September 2016	W	W	-	179.4	-	W	W	-	1,797.2	-
August 2016	W	W	-	174.8	-	W	W	-	1,757.6	-
September 2015	W	W	-	183.9	-	W	W	-	1,691.2	-
North Dakota										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	W	W	-	W	W	W	W	-
September 2015	W	W	-	97.7	-	W	W	-	1,110.8	-
Ohio										
September 2016	W	W	-	W	W	W	W	-	W	W
August 2016	W	W	-	W	W	W	W	-	W	W
September 2015	W	W	-	W	W	W	W	-	W	W
Oklahoma										
September 2016	W	W	-	376.7	111.3	W	W	-	4,514.5	699.3
August 2016	W	W	-	415.6	155.8	W	W	-	4,630.9	365.8
September 2015	W	W	-	W	W	W	W	-	4,589.7	231.0
South Dakota										
September 2016	W	W	-	91.9	-	W	W	-	1,059.0	-
August 2016	W	W	-	124.0	-	W	W	-	1,164.8	-
September 2015	W	W	-	96.1	-	W	W	-	1,039.5	-
Tennessee										
September 2016	W	W	W	W	-	W	911.9	W	W	-
August 2016	W	W	W	W	-	W	916.9	W	W	-
September 2015	W	W	W	W	-	W	907.9	W	W	-
Wisconsin										
September 2016	W	W	W	W	-	W	W	W	W	-
August 2016	W	W	W	W	-	W	W	W	W	-
September 2015	W	W	-	463.0	-	W	W	-	5,983.3	-
PAD District 3										
September 2016	118.4	121.1	W	W	1,478.6	1,509.8	1,545.5	89.2	53,819.8	14,978.2
August 2016	116.8	120.0	W	W	968.7	1,541.2	1,579.3	95.8	53,099.3	15,295.8
September 2015	108.0	113.0	W	W	1,302.3	1,434.1	1,481.9	108.4	52,236.1	16,397.4
Alabama										
September 2016	W	23.1	W	W	-	W	332.3	W	W	-
August 2016	W	23.7	W	W	-	W	W	W	4,692.4	W
September 2015	W	24.0	W	W	-	W	W	W	W	-
Arkansas										
September 2016	W	W	-	250.4	-	W	W	W	W	-
August 2016	W	W	W	W	-	W	W	W	W	-
September 2015	W	W	-	236.3	-	W	W	W	W	-
Louisiana										
September 2016	-	-	-	W	W	-	NA	-	6,737.4	2,329.8
August 2016	-	-	-	W	W	-	W	-	6,211.0	1,589.4
September 2015	-	-	-	522.0	-	-	-	-	6,436.7	2,403.7
Mississippi										
September 2016	W	W	-	W	W	W	23.9	-	W	W
August 2016	W	W	-	W	W	W	29.0	-	W	W
September 2015	W	W	-	W	W	W	W	-	W	W
New Mexico										
September 2016	47.4	47.8	W	W	-	487.0	496.5	W	W	-
August 2016	47.5	48.1	W	W	-	491.0	502.7	W	W	-
September 2015	W	W	W	W	-	W	405.5	W	W	-
Texas										
September 2016	W	W	W	3,766.0	W	W	W	W	33,758.5	W
August 2016	W	W	W	3,644.8	W	W	W	W	33,761.8	W
September 2015	W	46.0	W	3,535.6	W	W	631.5	W	33,146.3	W

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)

thousand gallons per day

	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4										
September 2016	390.7	408.7	W	W	W	82.0	84.3	-	147.4	-
August 2016	410.7	430.6	W	W	W	84.1	85.9	-	162.2	-
September 2015	382.9	400.8	W	W	-	79.2	80.3	-	157.5	-
Colorado										
September 2016	163.5	167.6	W	W	-	46.6	47.4	-	81.6	-
August 2016	165.6	168.8	W	W	-	46.7	48.0	-	87.9	-
September 2015	164.5	174.7	W	W	-	45.5	45.8	-	89.7	-
Idaho										
September 2016	W	W	-	1,369.8	-	W	W	-	7.6	-
August 2016	W	W	-	1,363.5	-	W	W	-	10.3	-
September 2015	W	W	-	1,305.5	-	W	W	-	8.5	-
Montana										
September 2016	W	W	-	1,283.3	-	W	W	-	8.7	-
August 2016	W	W	-	W	W	W	W	-	10.2	-
September 2015	W	W	-	1,247.6	-	W	W	-	11.1	-
Utah										
September 2016	W	W	W	2,656.5	W	W	W	-	38.1	-
August 2016	W	W	W	2,693.2	W	W	W	-	41.5	-
September 2015	NA	W	W	W	-	NA	W	-	28.8	-
Wyoming										
September 2016	W	11.9	-	887.7	-	W	W	-	11.4	-
August 2016	W	W	-	1,003.4	-	W	W	-	12.3	-
September 2015	W	10.9	-	963.8	-	W	W	-	19.3	-
PAD District 5										
September 2016	4,113.4	4,164.6	16,640.8	27,559.9	3,642.5	695.6	696.4	W	W	-
August 2016	4,067.1	4,120.4	17,028.4	28,681.5	3,553.3	681.0	682.0	W	W	-
September 2015	3,863.4	3,973.4	16,803.3	27,327.5	2,909.9	622.5	622.7	W	W	-
Alaska										
September 2016	W	W	83.1	W	W	W	W	W	W	-
August 2016	W	W	87.3	W	W	W	W	W	W	-
September 2015	W	W	W	W	W	W	W	W	5.9	-
Arizona										
September 2016	W	W	W	4,189.5	W	W	W	W	W	-
August 2016	W	W	W	4,119.7	W	W	W	W	W	-
September 2015	W	W	W	4,023.2	W	W	W	W	W	-
California										
September 2016	W	W	12,273.2	14,093.6	2,442.1	W	W	205.9	236.4	-
August 2016	W	W	12,528.8	14,614.4	2,518.2	W	W	213.0	253.9	-
September 2015	W	2,908.2	12,467.2	13,966.1	2,065.3	W	W	226.7	253.2	-
Hawaii										
September 2016	W	W	W	W	W	W	W	W	W	-
August 2016	W	W	W	W	W	W	W	W	W	-
September 2015	W	W	W	W	W	W	W	W	W	-
Nevada										
September 2016	W	W	W	1,253.5	W	W	W	W	W	-
August 2016	W	W	W	1,388.6	W	W	W	W	W	-
September 2015	NA	W	772.0	W	W	NA	NA	W	W	-
Oregon										
September 2016	105.7	105.7	W	2,550.6	W	7.5	7.5	5.8	16.7	-
August 2016	99.4	99.4	W	2,742.0	W	7.4	7.4	W	W	-
September 2015	NA	NA	W	2,529.2	W	6.7	6.7	W	W	-
Washington										
September 2016	262.8	269.6	W	4,848.7	W	29.5	29.8	W	W	-
August 2016	271.9	279.9	1,257.3	W	W	31.1	31.4	W	W	-
September 2015	281.5	288.4	W	4,884.0	W	29.7	29.8	W	W	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)

thousand gallons per day

	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4										
September 2016	80.5	83.8	W	W	W	553.2	576.8	W	13,535.8	W
August 2016	84.5	89.8	W	W	W	579.4	606.4	W	13,921.1	W
September 2015	73.0	75.2	W	W	-	535.2	556.3	W	W	-
Colorado										
September 2016	38.6	38.6	W	W	-	248.7	253.7	W	W	-
August 2016	38.7	38.8	W	W	-	251.1	255.6	W	W	-
September 2015	35.9	36.7	W	W	-	245.9	257.3	W	W	-
Idaho										
September 2016	W	W	-	245.8	-	W	W	-	1,623.1	-
August 2016	W	W	-	248.1	-	W	W	-	1,621.8	-
September 2015	W	W	-	216.2	-	W	W	-	1,530.2	-
Montana										
September 2016	W	W	-	276.2	-	W	W	-	1,568.2	-
August 2016	W	W	-	340.7	-	W	W	-	W	W
September 2015	W	W	-	262.0	-	W	W	-	1,520.7	-
Utah										
September 2016	W	W	W	W	W	W	W	W	W	W
August 2016	W	W	W	739.9	W	W	W	W	3,474.6	W
September 2015	NA	NA	W	W	-	NA	W	W	W	-
Wyoming										
September 2016	W	W	-	157.5	-	W	16.3	-	1,056.6	-
August 2016	W	W	-	184.1	-	W	W	-	1,199.8	-
September 2015	W	W	-	145.3	-	W	15.2	-	1,128.4	-
PAD District 5										
September 2016	1,169.8	1,175.1	4,666.8	W	W	5,978.7	6,036.0	W	33,627.3	W
August 2016	1,154.3	1,159.7	4,794.4	W	W	5,902.4	5,962.1	W	35,178.8	W
September 2015	997.6	1,014.0	4,340.3	W	W	5,483.5	5,610.2	W	32,966.3	W
Alaska										
September 2016	W	W	W	38.4	W	W	W	102.3	W	W
August 2016	W	W	W	38.7	-	W	W	106.8	W	W
September 2015	W	W	W	44.2	-	W	W	W	W	W
Arizona										
September 2016	W	W	180.4	W	W	W	W	W	4,766.8	W
August 2016	W	W	180.8	W	W	W	W	W	4,664.0	W
September 2015	W	W	181.5	W	W	W	W	W	4,581.2	W
California										
September 2016	W	W	3,754.4	3,462.6	258.8	W	W	16,233.4	17,792.6	2,700.9
August 2016	W	W	3,849.5	3,746.9	282.3	W	W	16,591.1	18,615.1	2,800.5
September 2015	W	W	3,489.4	3,188.6	234.4	W	W	16,183.2	17,407.9	2,299.7
Hawaii										
September 2016	W	W	W	W	W	W	W	W	W	W
August 2016	W	W	W	W	W	W	W	W	W	W
September 2015	W	W	W	W	W	W	W	W	W	W
Nevada										
September 2016	W	W	W	W	-	W	W	W	1,594.1	W
August 2016	W	W	W	W	W	W	W	W	1,751.8	W
September 2015	NA	W	203.9	272.2	-	NA	W	W	1,579.6	W
Oregon										
September 2016	15.3	15.3	W	357.9	W	128.5	128.5	W	2,925.1	W
August 2016	15.4	15.4	147.4	W	W	122.2	122.2	W	3,146.0	W
September 2015	13.7	13.7	131.6	W	W	122.3	122.3	W	2,868.6	W
Washington										
September 2016	46.1	46.4	260.7	W	W	338.4	345.7	W	5,818.2	W
August 2016	49.2	49.6	276.2	1,006.5	-	352.1	360.8	W	6,224.9	W
September 2015	46.8	47.0	245.5	W	W	358.0	365.3	W	5,794.3	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state

thousand gallons per day

	Conventional				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
September 2016	16,650.1	16,888.0	5,052.0	183,968.4	19,622.6
August 2016	16,820.1	17,079.3	5,243.9	188,548.4	20,568.1
September 2015	16,072.1	16,386.9	4,727.8	180,810.9	21,148.6
PAD District 1					
September 2016	W	W	W	48,073.0	W
August 2016	W	W	W	50,870.8	W
September 2015	W	W	W	48,560.5	W
Subdistrict 1A					
September 2016	-	-	W	W	-
August 2016	-	-	W	W	-
September 2015	-	-	-	445.8	-
Connecticut					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Maine					
September 2016	-	-	W	W	-
August 2016	-	-	W	W	-
September 2015	-	-	-	W	-
Massachusetts					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
New Hampshire					
September 2016	-	-	W	W	-
August 2016	-	-	W	W	-
September 2015	-	-	-	W	-
Rhode Island					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Vermont					
September 2016	-	-	W	W	-
August 2016	-	-	W	W	-
September 2015	-	-	-	91.7	-
Subdistrict 1B					
September 2016	W	W	W	W	897.9
August 2016	W	W	W	W	1,266.3
September 2015	W	W	W	W	W
Delaware					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
District of Columbia					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Maryland					
September 2016	-	-	-	W	W
August 2016	-	-	-	W	W
September 2015	-	-	W	W	W
New Jersey					
September 2016	-	-	-	-	W
August 2016	-	-	-	-	185.9
September 2015	-	-	-	-	W
New York					
September 2016	W	W	W	2,590.2	W
August 2016	W	W	W	2,746.4	W
September 2015	W	W	W	W	W
Pennsylvania					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	Reformulated				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
September 2016	9,504.9	9,530.8	18,318.5	77,532.5	3,346.0
August 2016	9,427.9	9,453.6	18,684.5	78,619.2	3,108.1
September 2015	9,321.7	9,360.9	18,231.1	75,500.7	3,274.1
PAD District 1					
September 2016	W	W	W	27,752.4	W
August 2016	W	W	W	28,349.1	W
September 2015	W	W	W	W	W
Subdistrict 1A					
September 2016	W	W	W	W	W
August 2016	W	W	W	W	W
September 2015	W	W	W	W	W
Connecticut					
September 2016	-	W	W	2,483.1	W
August 2016	-	W	W	2,513.8	W
September 2015	W	W	W	2,421.1	W
Maine					
September 2016	-	-	-	W	-
August 2016	-	-	-	W	-
September 2015	-	-	-	W	-
Massachusetts					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	-	1,016.2	-
New Hampshire					
September 2016	W	W	-	-	-
August 2016	W	W	-	-	-
September 2015	W	W	-	W	-
Rhode Island					
September 2016	W	W	W	W	W
August 2016	W	W	W	896.4	W
September 2015	W	W	W	W	W
Vermont					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Subdistrict 1B					
September 2016	W	W	W	W	W
August 2016	W	W	W	W	W
September 2015	W	W	W	W	W
Delaware					
September 2016	W	W	-	1,116.0	-
August 2016	W	W	-	1,155.2	-
September 2015	W	W	-	1,038.7	-
District of Columbia					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Maryland					
September 2016	-	W	W	4,045.8	W
August 2016	-	W	W	W	-
September 2015	-	W	-	W	W
New Jersey					
September 2016	W	W	W	8,066.1	-
August 2016	W	W	W	W	-
September 2015	W	W	W	W	-
New York					
September 2016	W	W	W	3,283.7	W
August 2016	W	W	W	3,323.2	W
September 2015	W	W	W	3,041.5	W
Pennsylvania					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	All formulations				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
September 2016	26,155.1	26,418.9	23,370.6	261,500.7	22,968.6
August 2016	26,248.0	26,532.9	23,928.4	267,167.5	23,676.1
September 2015	25,393.8	25,747.8	22,958.9	256,311.7	24,422.8
PAD District 1					
September 2016	8,585.5	8,602.9	W	75,825.3	W
August 2016	8,611.2	8,633.4	W	79,220.0	W
September 2015	8,610.7	8,620.4	W	W	3,134.7
Subdistrict 1A					
September 2016	W	W	W	4,993.3	W
August 2016	W	W	W	5,191.2	W
September 2015	W	W	W	W	W
Connecticut					
September 2016	-	W	W	2,483.1	W
August 2016	-	W	W	2,513.8	W
September 2015	W	W	W	2,421.1	W
Maine					
September 2016	-	-	W	W	-
August 2016	-	-	W	W	-
September 2015	-	-	-	625.8	-
Massachusetts					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	-	1,016.2	-
New Hampshire					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	-	W	-
Rhode Island					
September 2016	W	W	W	W	W
August 2016	W	W	W	896.4	W
September 2015	W	W	W	W	W
Vermont					
September 2016	-	-	W	W	-
August 2016	-	-	W	W	-
September 2015	-	-	-	91.7	-
Subdistrict 1B					
September 2016	4,102.6	4,104.0	W	25,356.9	W
August 2016	4,172.5	4,174.5	W	25,364.1	W
September 2015	4,146.0	4,146.8	W	23,901.6	W
Delaware					
September 2016	W	W	-	1,116.0	-
August 2016	W	W	-	1,155.2	-
September 2015	W	W	-	1,038.7	-
District of Columbia					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Maryland					
September 2016	-	W	W	W	W
August 2016	-	W	W	4,396.3	W
September 2015	-	W	W	4,289.9	W
New Jersey					
September 2016	W	W	W	8,066.1	W
August 2016	W	W	W	W	185.9
September 2015	W	W	W	7,662.9	W
New York					
September 2016	2,525.6	2,525.6	W	5,873.9	W
August 2016	2,549.5	2,549.5	W	6,069.5	W
September 2015	2,561.7	2,561.7	W	W	167.0
Pennsylvania					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	Conventional				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
September 2016	W	W	W	W	W
August 2016	W	3,584.1	W	44,029.6	W
September 2015	3,558.2	3,567.0	W	W	W
Florida					
September 2016	W	W	-	15,471.6	-
August 2016	W	W	-	15,541.7	-
September 2015	W	W	-	14,894.2	-
Georgia					
September 2016	W	132.4	W	8,199.4	W
August 2016	W	140.6	W	W	W
September 2015	W	128.1	W	W	-
North Carolina					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
South Carolina					
September 2016	W	W	-	4,393.4	-
August 2016	W	W	-	5,054.7	-
September 2015	W	W	-	4,885.9	-
Virginia					
September 2016	W	W	-	W	-
August 2016	W	W	-	3,478.0	-
September 2015	W	W	-	W	-
West Virginia					
September 2016	W	W	-	836.3	-
August 2016	W	W	-	807.8	-
September 2015	W	W	-	685.7	-
PAD District 2					
September 2016	W	W	W	72,114.6	W
August 2016	W	W	W	73,038.6	W
September 2015	W	W	W	70,421.7	W
Illinois					
September 2016	W	31.5	-	W	W
August 2016	W	34.9	-	W	W
September 2015	NA	NA	-	W	W
Indiana					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Iowa					
September 2016	-	W	-	2,973.6	-
August 2016	-	W	-	2,995.0	-
September 2015	-	W	-	2,940.5	-
Kansas					
September 2016	W	W	-	W	W
August 2016	W	W	-	4,774.0	1,131.3
September 2015	W	W	-	W	W
Kentucky					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Michigan					
September 2016	W	W	-	10,365.5	-
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Minnesota					
September 2016	W	W	W	5,666.1	W
August 2016	W	W	W	5,807.7	W
September 2015	W	W	-	W	W
Missouri					
September 2016	-	W	-	2,975.5	-
August 2016	-	-	-	W	-
September 2015	-	W	-	2,646.1	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	Reformulated				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
September 2016	-	-	W	W	-
August 2016	-	W	-	4,635.1	-
September 2015	W	W	W	W	-
Florida					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Georgia					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
North Carolina					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
South Carolina					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Virginia					
September 2016	-	-	W	W	-
August 2016	-	W	-	4,635.1	-
September 2015	W	W	W	W	-
West Virginia					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
PAD District 2					
September 2016	W	W	-	12,578.0	-
August 2016	W	W	-	12,709.6	-
September 2015	W	W	-	12,432.7	-
Illinois					
September 2016	W	W	-	8,191.8	-
August 2016	W	W	-	8,264.0	-
September 2015	NA	W	-	8,058.0	-
Indiana					
September 2016	W	W	-	956.7	-
August 2016	W	W	-	963.4	-
September 2015	W	W	-	1,026.3	-
Iowa					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Kansas					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Kentucky					
September 2016	W	W	-	964.4	-
August 2016	W	W	-	W	-
September 2015	W	W	-	908.3	-
Michigan					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Minnesota					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Missouri					
September 2016	-	-	-	810.0	-
August 2016	-	-	-	W	-
September 2015	-	-	-	785.9	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	All formulations				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
September 2016	W	W	W	45,475.1	W
August 2016	W	W	W	48,664.6	W
September 2015	W	W	W	46,670.3	W
Florida					
September 2016	W	W	-	15,471.6	-
August 2016	W	W	-	15,541.7	-
September 2015	W	W	-	14,894.2	-
Georgia					
September 2016	W	132.4	W	8,199.4	W
August 2016	W	140.6	W	W	W
September 2015	W	128.1	W	W	-
North Carolina					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
South Carolina					
September 2016	W	W	-	4,393.4	-
August 2016	W	W	-	5,054.7	-
September 2015	W	W	-	4,885.9	-
Virginia					
September 2016	W	W	W	W	-
August 2016	W	W	-	8,113.0	-
September 2015	94.7	94.8	W	W	-
West Virginia					
September 2016	W	W	-	836.3	-
August 2016	W	W	-	807.8	-
September 2015	W	W	-	685.7	-
PAD District 2					
September 2016	9,527.8	9,657.7	W	84,692.6	W
August 2016	9,613.8	9,751.7	W	85,748.2	W
September 2015	9,330.4	9,479.0	W	82,854.3	W
Illinois					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	NA	W	-	W	W
Indiana					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Iowa					
September 2016	-	W	-	2,973.6	-
August 2016	-	W	-	2,995.0	-
September 2015	-	W	-	2,940.5	-
Kansas					
September 2016	W	W	-	W	W
August 2016	W	W	-	4,774.0	1,131.3
September 2015	W	W	-	W	W
Kentucky					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Michigan					
September 2016	W	W	-	10,365.5	-
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Minnesota					
September 2016	W	W	W	5,666.1	W
August 2016	W	W	W	5,807.7	W
September 2015	W	W	-	W	W
Missouri					
September 2016	-	W	-	3,785.5	-
August 2016	-	-	-	3,594.2	-
September 2015	-	W	-	3,432.0	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	Conventional				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
September 2016	W	W	-	1,797.2	-
August 2016	W	W	-	1,757.6	-
September 2015	W	W	-	1,691.2	-
North Dakota					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	-	1,110.8	-
Ohio					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Oklahoma					
September 2016	W	W	-	4,514.5	699.3
August 2016	W	W	-	4,630.9	365.8
September 2015	W	W	-	4,589.7	231.0
South Dakota					
September 2016	W	W	-	1,059.0	-
August 2016	W	W	-	1,164.8	-
September 2015	W	W	-	1,039.5	-
Tennessee					
September 2016	W	911.9	W	W	-
August 2016	W	916.9	W	W	-
September 2015	W	907.9	W	W	-
Wisconsin					
September 2016	W	60.1	W	W	-
August 2016	63.1	64.1	W	W	-
September 2015	58.7	63.1	-	4,329.1	-
PAD District 3					
September 2016	1,509.8	1,545.5	89.2	37,628.8	14,978.2
August 2016	1,541.2	1,579.3	95.8	37,287.8	15,295.8
September 2015	1,434.1	1,481.9	W	W	W
Alabama					
September 2016	W	332.3	W	W	-
August 2016	W	W	W	4,692.4	W
September 2015	W	W	W	W	-
Arkansas					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	W	W	-
Louisiana					
September 2016	-	NA	-	6,737.4	2,329.8
August 2016	-	W	-	6,211.0	1,589.4
September 2015	-	-	-	6,436.7	2,403.7
Mississippi					
September 2016	W	23.9	-	W	W
August 2016	W	29.0	-	W	W
September 2015	W	W	-	W	W
New Mexico					
September 2016	487.0	496.5	W	W	-
August 2016	491.0	502.7	W	W	-
September 2015	W	405.5	W	W	-
Texas					
September 2016	W	W	W	W	W
August 2016	W	W	W	W	W
September 2015	W	631.5	W	W	NA

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	Reformulated				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
North Dakota					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Ohio					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Oklahoma					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
South Dakota					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Tennessee					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Wisconsin					
September 2016	W	W	-	1,655.1	-
August 2016	W	W	-	W	-
September 2015	W	W	-	1,654.2	-
PAD District 3					
September 2016	-	-	-	16,191.0	-
August 2016	-	-	-	15,811.5	-
September 2015	-	-	W	W	W
Alabama					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Arkansas					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Louisiana					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Mississippi					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
New Mexico					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Texas					
September 2016	-	-	-	W	-
August 2016	-	-	-	W	-
September 2015	-	-	W	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	All formulations				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
September 2016	W	W	-	1,797.2	-
August 2016	W	W	-	1,757.6	-
September 2015	W	W	-	1,691.2	-
North Dakota					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	-	1,110.8	-
Ohio					
September 2016	W	W	-	W	W
August 2016	W	W	-	W	W
September 2015	W	W	-	W	W
Oklahoma					
September 2016	W	W	-	4,514.5	699.3
August 2016	W	W	-	4,630.9	365.8
September 2015	W	W	-	4,589.7	231.0
South Dakota					
September 2016	W	W	-	1,059.0	-
August 2016	W	W	-	1,164.8	-
September 2015	W	W	-	1,039.5	-
Tennessee					
September 2016	W	911.9	W	W	-
August 2016	W	916.9	W	W	-
September 2015	W	907.9	W	W	-
Wisconsin					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	-	5,983.3	-
PAD District 3					
September 2016	1,509.8	1,545.5	89.2	53,819.8	14,978.2
August 2016	1,541.2	1,579.3	95.8	53,099.3	15,295.8
September 2015	1,434.1	1,481.9	108.4	52,236.1	16,397.4
Alabama					
September 2016	W	332.3	W	W	-
August 2016	W	W	W	4,692.4	W
September 2015	W	W	W	W	-
Arkansas					
September 2016	W	W	W	W	-
August 2016	W	W	W	W	-
September 2015	W	W	W	W	-
Louisiana					
September 2016	-	NA	-	6,737.4	2,329.8
August 2016	-	W	-	6,211.0	1,589.4
September 2015	-	-	-	6,436.7	2,403.7
Mississippi					
September 2016	W	23.9	-	W	W
August 2016	W	29.0	-	W	W
September 2015	W	W	-	W	W
New Mexico					
September 2016	487.0	496.5	W	W	-
August 2016	491.0	502.7	W	W	-
September 2015	W	405.5	W	W	-
Texas					
September 2016	W	W	W	33,758.5	W
August 2016	W	W	W	33,761.8	W
September 2015	W	631.5	W	33,146.3	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	Conventional				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
September 2016	553.2	576.8	W	13,535.8	W
August 2016	579.4	606.4	W	13,921.1	W
September 2015	535.2	556.3	W	W	-
Colorado					
September 2016	248.7	253.7	W	W	-
August 2016	251.1	255.6	W	W	-
September 2015	245.9	257.3	W	W	-
Idaho					
September 2016	W	W	-	1,623.1	-
August 2016	W	W	-	1,621.8	-
September 2015	W	W	-	1,530.2	-
Montana					
September 2016	W	W	-	1,568.2	-
August 2016	W	W	-	W	W
September 2015	W	W	-	1,520.7	-
Utah					
September 2016	W	W	W	W	W
August 2016	W	W	W	3,474.6	W
September 2015	NA	W	W	W	-
Wyoming					
September 2016	W	16.3	-	1,056.6	-
August 2016	W	W	-	1,199.8	-
September 2015	W	15.2	-	1,128.4	-
PAD District 5					
September 2016	W	W	W	12,616.1	W
August 2016	W	W	W	13,429.8	W
September 2015	W	1,317.8	W	W	W
Alaska					
September 2016	W	W	102.3	W	W
August 2016	W	W	106.8	W	W
September 2015	W	W	W	W	W
Arizona					
September 2016	W	W	447.6	W	-
August 2016	W	W	W	W	-
September 2015	W	W	W	W	-
California					
September 2016	-	-	-	-	W
August 2016	-	-	-	-	W
September 2015	-	-	-	-	W
Hawaii					
September 2016	W	W	W	W	W
August 2016	W	W	W	W	W
September 2015	W	W	W	W	W
Nevada					
September 2016	W	W	W	1,594.1	W
August 2016	W	W	W	1,751.8	W
September 2015	NA	W	W	1,579.6	W
Oregon					
September 2016	128.5	128.5	W	2,925.1	W
August 2016	122.2	122.2	W	3,146.0	W
September 2015	122.3	122.3	W	2,868.6	W
Washington					
September 2016	338.4	345.7	W	5,818.2	W
August 2016	352.1	360.8	W	6,224.9	W
September 2015	358.0	365.3	W	5,794.3	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	Reformulated				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Colorado					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Idaho					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Montana					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Utah					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Wyoming					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
PAD District 5					
September 2016	W	W	W	21,011.1	W
August 2016	W	W	W	21,749.0	W
September 2015	W	4,292.4	17,176.5	W	W
Alaska					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Arizona					
September 2016	-	W	W	W	W
August 2016	-	W	W	W	W
September 2015	-	W	993.2	W	W
California					
September 2016	W	W	16,233.4	W	W
August 2016	W	W	16,591.1	W	W
September 2015	W	W	16,183.2	17,407.9	W
Hawaii					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Nevada					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Oregon					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-
Washington					
September 2016	-	-	-	-	-
August 2016	-	-	-	-	-
September 2015	-	-	-	-	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)

thousand gallons per day

	All formulations				
	Sales to end users		Sales for resale		
Geographic area month	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
September 2016	553.2	576.8	W	13,535.8	W
August 2016	579.4	606.4	W	13,921.1	W
September 2015	535.2	556.3	W	W	-
Colorado					
September 2016	248.7	253.7	W	W	-
August 2016	251.1	255.6	W	W	-
September 2015	245.9	257.3	W	W	-
Idaho					
September 2016	W	W	-	1,623.1	-
August 2016	W	W	-	1,621.8	-
September 2015	W	W	-	1,530.2	-
Montana					
September 2016	W	W	-	1,568.2	-
August 2016	W	W	-	W	W
September 2015	W	W	-	1,520.7	-
Utah					
September 2016	W	W	W	W	W
August 2016	W	W	W	3,474.6	W
September 2015	NA	W	W	W	-
Wyoming					
September 2016	W	16.3	-	1,056.6	-
August 2016	W	W	-	1,199.8	-
September 2015	W	15.2	-	1,128.4	-
PAD District 5					
September 2016	5,978.7	6,036.0	W	33,627.3	W
August 2016	5,902.4	5,962.1	W	35,178.8	W
September 2015	5,483.5	5,610.2	W	32,966.3	W
Alaska					
September 2016	W	W	102.3	W	W
August 2016	W	W	106.8	W	W
September 2015	W	W	W	W	W
Arizona					
September 2016	W	W	W	4,766.8	W
August 2016	W	W	W	4,664.0	W
September 2015	W	W	W	4,581.2	W
California					
September 2016	W	W	16,233.4	17,792.6	2,700.9
August 2016	W	W	16,591.1	18,615.1	2,800.5
September 2015	W	W	16,183.2	17,407.9	2,299.7
Hawaii					
September 2016	W	W	W	W	W
August 2016	W	W	W	W	W
September 2015	W	W	W	W	W
Nevada					
September 2016	W	W	W	1,594.1	W
August 2016	W	W	W	1,751.8	W
September 2015	NA	W	W	1,579.6	W
Oregon					
September 2016	128.5	128.5	W	2,925.1	W
August 2016	122.2	122.2	W	3,146.0	W
September 2015	122.3	122.3	W	2,868.6	W
Washington					
September 2016	338.4	345.7	W	5,818.2	W
August 2016	352.1	360.8	W	6,224.9	W
September 2015	358.0	365.3	W	5,794.3	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States										
September 2016	W	423.1	31,844.4	32,012.8	W	999.0	48.2	466.3	6,326.4	28,387.0
August 2016	W	613.5	32,731.0	31,754.8	W	1,451.2	38.5	227.2	6,864.3	29,214.3
September 2015	W	516.9	33,201.0	30,025.4	2.2	1,070.4	W	476.8	5,181.2	32,123.1
PAD District 1										
September 2016	W	116.8	5,734.6	7,013.9	W	W	W	W	W	4,532.9
August 2016	W	W	5,519.3	5,853.1	W	251.6	W	W	W	3,979.7
September 2015	W	132.8	5,771.2	5,048.7	W	305.7	-	W	W	4,905.8
Subdistrict 1A										
September 2016	-	W	373.3	277.7	W	-	-	W	W	680.9
August 2016	W	W	397.8	417.4	W	-	-	W	W	521.7
September 2015	W	W	150.1	443.9	W	-	-	W	W	580.2
Connecticut										
September 2016	-	-	W	W	-	-	-	-	-	77.6
August 2016	-	-	W	W	-	-	-	-	-	58.9
September 2015	-	-	W	W	-	-	-	-	-	16.9
Maine										
September 2016	-	W	W	W	-	-	-	W	W	199.9
August 2016	W	W	W	W	-	-	-	W	W	145.4
September 2015	W	W	W	W	-	-	-	-	W	130.0
Massachusetts										
September 2016	-	-	W	W	W	-	-	-	-	97.4
August 2016	-	-	W	357.5	W	-	-	-	-	85.5
September 2015	-	-	W	W	W	-	-	-	-	137.5
New Hampshire										
September 2016	-	-	W	W	W	-	-	W	-	90.0
August 2016	-	-	W	W	W	-	-	-	-	65.1
September 2015	-	-	W	-	-	-	-	-	-	77.0
Rhode Island										
September 2016	-	-	W	W	W	-	-	-	-	W
August 2016	-	-	W	W	W	-	-	-	-	W
September 2015	-	-	W	W	-	-	-	-	-	W
Vermont										
September 2016	-	-	W	W	-	-	-	W	W	W
August 2016	-	-	W	W	-	-	-	W	W	W
September 2015	-	-	W	-	-	-	-	W	-	W
Subdistrict 1B										
September 2016	W	W	3,503.9	4,870.7	W	W	W	W	W	1,656.1
August 2016	W	W	3,591.3	3,846.4	W	W	W	3.9	W	1,502.2
September 2015	-	W	4,379.6	2,783.8	1.3	W	-	W	W	2,070.0
Delaware										
September 2016	-	-	-	W	W	W	-	-	-	W
August 2016	-	-	-	W	W	-	-	-	-	W
September 2015	-	-	-	W	-	-	-	-	-	W
District of Columbia										
September 2016	-	-	-	-	-	-	-	-	-	-
August 2016	-	-	-	-	-	-	-	-	-	-
September 2015	-	-	-	-	-	-	-	-	-	-
Maryland										
September 2016	-	-	W	W	-	W	-	-	-	W
August 2016	-	-	W	W	-	W	-	-	-	W
September 2015	-	-	W	W	-	W	-	-	-	W
New Jersey										
September 2016	-	-	2,176.1	3,825.5	W	-	-	-	-	221.5
August 2016	-	-	2,319.9	2,726.7	W	229.6	-	-	-	214.2
September 2015	-	-	2,942.5	2,147.6	W	213.9	-	-	-	216.5
New York										
September 2016	W	W	W	170.1	W	W	-	W	W	371.2
August 2016	W	W	W	167.3	W	W	-	W	W	280.5
September 2015	-	W	W	121.8	W	W	-	W	W	452.2
Pennsylvania										
September 2016	W	W	W	829.9	W	W	W	W	W	850.0
August 2016	-	W	W	903.7	W	1.1	W	W	W	798.1
September 2015	-	W	W	472.5	0.4	W	-	W	W	1,215.8

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C										
September 2016	W	83.7	1,857.4	1,865.5	W	W	-	W	W	2,195.9
August 2016	W	96.8	1,530.3	1,589.4	W	W	-	W	W	1,955.7
September 2015	W	94.3	1,241.4	1,821.0	W	W	-	W	-	2,255.5
Florida										
September 2016	-	56.0	1,287.4	NA	W	-	-	-	-	367.2
August 2016	-	69.5	961.5	1,194.0	W	-	-	-	-	318.8
September 2015	-	60.8	873.6	1,479.6	-	-	-	-	-	263.4
Georgia										
September 2016	W	12.5	W	56.3	-	-	-	W	-	418.8
August 2016	W	W	W	56.4	-	-	-	W	-	380.6
September 2015	W	W	162.0	79.9	-	W	-	W	-	447.4
North Carolina										
September 2016	W	W	W	W	W	W	-	-	-	723.6
August 2016	W	W	W	125.9	W	W	-	-	-	583.7
September 2015	W	W	W	122.7	W	W	-	-	-	858.3
South Carolina										
September 2016	-	-	W	54.7	W	W	-	-	-	389.9
August 2016	-	-	W	W	W	W	-	-	-	375.0
September 2015	-	-	W	53.5	-	-	-	-	-	398.8
Virginia										
September 2016	-	W	216.7	144.6	-	W	-	-	-	W
August 2016	-	W	211.5	144.1	-	W	-	-	-	W
September 2015	-	W	121.1	W	-	W	-	-	-	192.9
West Virginia										
September 2016	-	-	W	W	W	-	-	-	W	W
August 2016	-	-	W	W	W	-	-	-	W	W
September 2015	-	-	W	W	W	-	-	-	-	94.8
PAD District 2										
September 2016	W	106.3	5,898.8	4,630.8	W	31.5	2.4	149.6	94.0	7,336.8
August 2016	W	138.0	6,244.4	5,692.0	W	W	3.2	82.7	W	6,777.7
September 2015	W	160.6	5,685.6	4,495.5	W	W	NA	157.8	W	8,924.4
Illinois										
September 2016	-	W	1,574.6	W	W	W	W	W	W	1,374.2
August 2016	W	W	1,722.2	1,422.5	W	W	W	W	W	1,139.5
September 2015	W	W	1,332.9	W	W	W	W	W	-	1,382.9
Indiana										
September 2016	-	-	671.1	304.2	W	W	-	W	W	180.9
August 2016	-	-	737.2	451.3	W	W	-	W	W	229.9
September 2015	-	-	661.6	200.8	W	W	-	W	W	361.1
Iowa										
September 2016	-	-	W	W	-	-	-	9.3	W	400.1
August 2016	-	-	W	52.4	-	W	-	10.4	W	321.2
September 2015	-	-	W	W	-	W	-	32.3	W	448.0
Kansas										
September 2016	W	W	W	W	-	W	-	15.8	W	1,856.6
August 2016	W	W	W	W	-	W	-	13.0	W	1,861.5
September 2015	W	W	W	W	-	W	-	15.0	W	3,368.3
Kentucky										
September 2016	-	W	W	439.7	W	W	W	W	-	437.7
August 2016	-	W	W	496.7	W	W	-	W	W	432.9
September 2015	W	W	623.9	432.6	W	W	-	W	-	407.3
Michigan										
September 2016	-	-	152.2	356.1	W	W	W	W	W	466.3
August 2016	-	-	W	542.5	W	W	W	W	W	442.5
September 2015	-	-	W	288.4	W	W	NA	5.4	W	542.4
Minnesota										
September 2016	W	W	262.8	W	W	W	0.5	23.5	W	357.9
August 2016	W	W	449.2	W	W	9.1	0.6	15.5	W	320.5
September 2015	W	W	396.2	W	-	W	W	28.2	W	312.8
Missouri										
September 2016	W	-	W	W	-	-	-	W	W	279.3
August 2016	W	W	W	W	-	-	-	-	-	216.9
September 2015	W	W	W	W	-	W	-	W	-	318.3

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)										
Nebraska										
September 2016	W	-	W	16.0	-	-	-	11.2	W	224.5
August 2016	W	-	W	20.5	-	-	-	4.0	W	202.4
September 2015	W	-	W	W	-	-	-	10.2	W	265.0
North Dakota										
September 2016	-	-	W	W	-	W	W	47.6	W	240.9
August 2016	-	-	W	W	-	-	-	8.6	W	238.7
September 2015	-	-	W	W	-	W	W	31.3	W	247.7
Ohio										
September 2016	W	-	533.6	769.1	W	W	-	W	W	587.6
August 2016	W	-	513.5	W	W	W	-	W	-	569.3
September 2015	-	W	565.6	W	W	W	-	W	W	419.4
Oklahoma										
September 2016	W	W	W	479.1	-	W	-	-	W	178.5
August 2016	W	-	W	699.3	-	W	-	-	W	191.4
September 2015	W	-	W	500.5	-	W	-	-	W	222.7
South Dakota										
September 2016	-	-	W	2.1	-	-	W	10.3	W	137.3
August 2016	-	-	W	6.3	-	-	W	2.3	W	95.9
September 2015	-	-	19.6	W	-	-	-	10.0	W	106.6
Tennessee										
September 2016	-	W	W	146.0	W	W	-	-	-	164.6
August 2016	W	W	W	175.6	W	W	-	-	-	146.6
September 2015	W	W	W	147.0	-	W	-	-	-	132.9
Wisconsin										
September 2016	-	-	W	W	W	W	W	11.4	W	450.4
August 2016	-	-	W	NA	W	W	W	W	W	368.5
September 2015	-	-	W	W	-	W	W	8.1	W	388.8
PAD District 3										
September 2016	W	101.5	6,636.7	12,549.6	-	790.3	-	W	6,149.5	13,800.1
August 2016	W	137.6	6,521.8	10,985.9	-	1,169.0	-	W	6,690.9	15,798.4
September 2015	W	124.0	9,002.1	12,598.2	-	720.7	-	-	5,054.2	15,730.2
Alabama										
September 2016	W	W	228.0	63.1	-	W	-	-	-	180.9
August 2016	-	W	219.9	NA	-	W	-	-	-	157.0
September 2015	W	W	321.3	W	-	W	-	-	-	193.6
Arkansas										
September 2016	-	-	W	W	-	-	-	-	-	W
August 2016	W	W	W	W	-	-	-	-	-	W
September 2015	W	-	W	W	-	-	-	-	W	W
Louisiana										
September 2016	W	5.5	877.8	4,561.5	-	W	-	W	W	345.5
August 2016	-	8.5	774.3	3,430.7	-	W	-	W	W	286.8
September 2015	-	9.8	841.4	5,107.4	-	W	-	-	2,079.3	179.5
Mississippi										
September 2016	-	W	766.1	2,175.0	-	W	-	-	-	221.8
August 2016	-	W	722.3	1,367.4	-	-	-	-	-	296.4
September 2015	-	W	986.5	1,361.1	-	-	-	-	-	178.6
New Mexico										
September 2016	W	-	W	W	-	-	-	-	W	W
August 2016	W	-	W	W	-	-	-	-	W	W
September 2015	W	-	W	55.1	-	-	-	-	W	W
Texas										
September 2016	W	W	4,691.7	5,659.1	-	W	-	-	4,814.6	12,928.0
August 2016	W	W	4,714.9	5,949.5	-	W	-	-	4,509.5	14,951.5
September 2015	W	111.6	6,780.0	6,016.4	-	W	-	-	2,974.6	15,049.8

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4										
September 2016	W	W	1,048.6	971.4	-	-	W	39.4	W	888.9
August 2016	W	W	1,020.0	1,070.9	-	-	W	19.3	W	870.3
September 2015	W	W	1,128.3	560.7	-	-	W	W	W	813.6
Colorado										
September 2016	W	-	376.5	616.1	-	-	-	7.8	W	340.0
August 2016	W	-	327.2	602.8	-	-	-	6.3	W	304.8
September 2015	W	-	400.9	234.2	-	-	-	10.8	W	341.4
Idaho										
September 2016	-	-	W	W	-	-	W	W	W	28.4
August 2016	-	-	W	51.3	-	-	NA	W	W	38.2
September 2015	-	-	W	28.5	-	-	W	2.0	W	25.0
Montana										
September 2016	W	W	W	W	-	-	W	14.5	W	165.3
August 2016	W	W	W	W	-	-	W	6.9	W	124.0
September 2015	W	W	W	W	-	-	W	13.3	W	108.6
Utah										
September 2016	W	W	532.1	250.7	-	-	-	W	W	93.3
August 2016	W	W	486.8	313.7	-	-	-	W	-	102.8
September 2015	-	W	602.1	224.4	-	-	-	W	-	70.0
Wyoming										
September 2016	-	-	W	38.9	-	-	-	10.7	W	261.9
August 2016	-	-	W	W	-	-	-	W	W	300.4
September 2015	-	-	W	W	-	-	-	6.3	W	268.6
PAD District 5										
September 2016	W	W	12,525.8	6,847.1	-	W	W	262.2	W	1,828.3
August 2016	W	190.9	13,425.5	8,152.7	-	W	W	117.9	W	1,788.2
September 2015	W	W	11,613.8	7,322.3	-	W	W	258.0	53.1	1,749.1
Alaska										
September 2016	W	W	W	W	-	-	W	W	W	W
August 2016	W	W	W	W	-	-	W	W	W	W
September 2015	W	W	NA	NA	-	-	W	216.6	W	W
Arizona										
September 2016	W	W	194.0	194.6	-	-	-	-	-	205.2
August 2016	W	W	153.0	210.8	-	-	-	-	W	251.5
September 2015	W	W	129.3	171.2	-	-	-	-	W	177.6
California										
September 2016	-	47.6	7,277.1	5,423.3	-	W	-	-	W	990.2
August 2016	-	W	7,486.4	6,418.9	-	W	-	-	W	917.0
September 2015	-	55.7	6,050.7	5,857.6	-	W	-	-	W	1,103.9
Hawaii										
September 2016	-	W	W	W	-	-	-	-	-	W
August 2016	-	W	W	W	-	-	-	-	-	W
September 2015	-	W	W	W	-	-	-	-	-	W
Nevada										
September 2016	-	-	W	W	-	-	-	-	-	30.6
August 2016	-	-	W	W	-	-	-	-	-	W
September 2015	-	-	W	W	-	-	-	-	-	26.1
Oregon										
September 2016	-	19.6	447.8	48.5	-	-	-	W	W	W
August 2016	-	24.3	543.5	56.1	-	-	-	-	W	W
September 2015	-	17.2	421.5	W	-	-	-	W	W	66.5
Washington										
September 2016	-	NA	1,951.7	201.6	-	-	W	W	W	475.8
August 2016	-	NA	2,426.2	294.7	-	-	-	W	W	465.8
September 2015	-	W	2,224.9	352.3	-	-	-	W	W	349.5

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state

thousand gallons per day

	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
September 2016	12,909.6	139,238.7	W	W	W	W
August 2016	13,293.5	139,905.4	W	W	W	W
September 2015	12,625.7	149,975.2	W	W	W	W
PAD District 1						
September 2016	2,149.5	26,266.6	-	W	-	W
August 2016	2,303.2	25,351.6	-	W	-	W
September 2015	W	26,296.5	-	W	-	W
Subdistrict 1A						
September 2016	31.7	W	-	-	-	-
August 2016	32.4	W	-	-	-	-
September 2015	35.9	W	-	-	-	-
Connecticut						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
Maine						
September 2016	-	W	-	-	-	-
August 2016	-	W	-	-	-	-
September 2015	-	128.8	-	-	-	-
Massachusetts						
September 2016	W	194.5	-	-	-	-
August 2016	W	211.7	-	-	-	-
September 2015	25.4	254.5	-	-	-	-
New Hampshire						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
Rhode Island						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
Vermont						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
Subdistrict 1B						
September 2016	627.3	W	-	W	-	W
August 2016	672.8	W	-	W	-	W
September 2015	W	W	-	W	-	W
Delaware						
September 2016	2.2	W	-	-	-	-
August 2016	3.7	W	-	-	-	-
September 2015	W	W	-	-	-	-
District of Columbia						
September 2016	-	W	-	-	-	-
August 2016	-	W	-	-	-	-
September 2015	-	W	-	-	-	-
Maryland						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
New Jersey						
September 2016	172.5	W	-	W	-	-
August 2016	176.4	W	-	W	-	-
September 2015	186.7	W	-	W	-	-
New York						
September 2016	W	W	-	-	-	W
August 2016	W	W	-	-	-	W
September 2015	W	W	-	-	-	W
Pennsylvania						
September 2016	W	5,594.5	-	-	-	-
August 2016	291.7	4,813.2	-	-	-	-
September 2015	W	5,573.0	-	-	-	-

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)

thousand gallons per day

	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
September 2016	1,490.5	W	-	-	-	-
August 2016	1,598.0	W	-	-	-	-
September 2015	1,417.8	W	-	-	-	-
Florida						
September 2016	526.2	3,981.8	-	-	-	-
August 2016	571.3	3,951.8	-	-	-	-
September 2015	317.5	3,755.4	-	-	-	-
Georgia						
September 2016	155.3	2,309.9	-	-	-	-
August 2016	153.5	2,485.7	-	-	-	-
September 2015	151.6	2,410.4	-	-	-	-
North Carolina						
September 2016	433.3	W	-	-	-	-
August 2016	453.3	W	-	-	-	-
September 2015	510.7	W	-	-	-	-
South Carolina						
September 2016	W	1,127.8	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	1,154.7	-	-	-	-
Virginia						
September 2016	49.5	2,392.7	-	-	-	-
August 2016	50.1	2,384.9	-	-	-	-
September 2015	61.4	2,246.1	-	-	-	-
West Virginia						
September 2016	W	W	-	-	-	-
August 2016	W	629.0	-	-	-	-
September 2015	W	679.1	-	-	-	-
PAD District 2						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
Illinois						
September 2016	W	5,729.5	-	-	-	-
August 2016	W	5,156.9	-	-	-	-
September 2015	264.1	6,084.0	-	-	-	-
Indiana						
September 2016	W	3,528.0	-	-	-	-
August 2016	W	3,559.6	-	-	-	-
September 2015	W	4,246.0	-	-	-	-
Iowa						
September 2016	16.7	2,090.0	-	-	-	-
August 2016	14.8	1,746.2	-	-	-	-
September 2015	24.2	2,137.1	-	-	-	-
Kansas						
September 2016	W	3,131.4	-	-	-	-
August 2016	W	3,172.3	-	-	-	-
September 2015	W	3,600.4	-	-	-	-
Kentucky						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
Michigan						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	2,363.3	-	-	-	-
Minnesota						
September 2016	W	2,475.3	-	-	-	-
August 2016	W	2,553.6	-	-	-	-
September 2015	W	2,621.9	-	-	-	-
Missouri						
September 2016	4.2	1,601.7	-	-	-	-
August 2016	W	1,487.6	-	-	-	-
September 2015	W	1,372.7	-	-	-	-

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)

thousand gallons per day

	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
September 2016	W	1,514.4	-	-	-	-
August 2016	W	1,489.9	-	-	-	-
September 2015	W	1,423.8	-	-	-	-
North Dakota						
September 2016	W	1,445.7	-	-	-	-
August 2016	W	1,753.2	-	-	-	-
September 2015	W	1,878.5	-	-	-	-
Ohio						
September 2016	879.2	4,911.1	-	-	-	-
August 2016	833.5	4,620.5	-	-	-	-
September 2015	857.5	4,720.4	-	-	-	-
Oklahoma						
September 2016	W	4,918.5	-	-	-	-
August 2016	W	4,746.9	-	-	-	-
September 2015	W	6,711.9	-	-	-	-
South Dakota						
September 2016	W	715.8	-	-	-	-
August 2016	W	569.9	-	-	-	-
September 2015	W	679.4	-	-	-	-
Tennessee						
September 2016	435.9	3,090.8	-	-	-	-
August 2016	423.3	3,090.6	-	-	-	-
September 2015	426.2	3,167.2	-	-	-	-
Wisconsin						
September 2016	W	2,110.6	-	-	-	-
August 2016	W	2,084.6	-	-	-	-
September 2015	W	1,984.1	-	-	-	-
PAD District 3						
September 2016	W	45,160.3	W	W	-	W
August 2016	W	45,349.8	W	W	-	W
September 2015	2,365.5	50,301.1	-	W	-	W
Alabama						
September 2016	196.4	1,751.3	-	-	-	-
August 2016	184.5	1,709.2	-	-	-	-
September 2015	157.8	1,788.8	-	-	-	-
Arkansas						
September 2016	W	1,268.3	-	-	-	-
August 2016	W	1,282.9	-	-	-	-
September 2015	W	W	-	-	-	-
Louisiana						
September 2016	NA	W	-	W	-	W
August 2016	363.1	W	-	W	-	W
September 2015	63.6	W	-	W	-	W
Mississippi						
September 2016	105.0	W	-	-	-	-
August 2016	85.5	W	-	-	-	-
September 2015	69.6	W	-	-	-	-
New Mexico						
September 2016	271.7	1,327.7	-	-	-	-
August 2016	289.5	1,293.6	-	-	-	-
September 2015	291.2	1,266.7	-	-	-	-
Texas						
September 2016	1,828.8	26,988.1	W	W	-	W
August 2016	1,827.2	29,932.4	W	W	-	W
September 2015	W	33,864.3	-	W	-	NA

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)

thousand gallons per day

	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
September 2016	W	6,798.2	-	-	-	-
August 2016	W	7,351.9	-	-	-	-
September 2015	W	7,272.5	-	-	-	-
Colorado						
September 2016	263.2	2,204.7	-	-	-	-
August 2016	266.0	2,358.8	-	-	-	-
September 2015	296.2	2,219.4	-	-	-	-
Idaho						
September 2016	W	709.1	-	-	-	-
August 2016	109.2	836.4	-	-	-	-
September 2015	W	887.7	-	-	-	-
Montana						
September 2016	W	1,121.5	-	-	-	-
August 2016	W	1,258.3	-	-	-	-
September 2015	W	1,102.2	-	-	-	-
Utah						
September 2016	W	1,661.5	-	-	-	-
August 2016	W	1,776.5	-	-	-	-
September 2015	W	1,749.3	-	-	-	-
Wyoming						
September 2016	398.1	1,101.4	-	-	-	-
August 2016	340.2	1,122.0	-	-	-	-
September 2015	397.7	1,313.9	-	-	-	-
PAD District 5						
September 2016	W	W	W	-	W	W
August 2016	W	W	W	-	W	W
September 2015	W	W	W	-	W	W
Alaska						
September 2016	W	W	-	-	-	-
August 2016	W	W	-	-	-	-
September 2015	W	W	-	-	-	-
Arizona						
September 2016	377.0	1,171.3	-	-	-	-
August 2016	381.5	1,263.5	-	-	-	-
September 2015	488.3	1,234.4	-	-	-	-
California						
September 2016	1,132.8	W	-	-	-	W
August 2016	1,180.5	W	-	-	-	W
September 2015	W	13,197.5	-	-	W	-
Hawaii						
September 2016	87.1	W	W	-	W	W
August 2016	90.2	W	W	-	W	W
September 2015	W	W	W	-	W	W
Nevada						
September 2016	W	409.9	-	-	-	-
August 2016	W	452.5	-	-	-	-
September 2015	W	527.6	-	-	-	-
Oregon						
September 2016	7.4	2,127.8	-	-	-	-
August 2016	10.1	1,924.4	-	-	-	-
September 2015	12.2	2,248.1	-	-	-	-
Washington						
September 2016	W	3,392.8	-	-	-	-
August 2016	250.3	3,577.0	-	-	-	-
September 2015	W	3,463.3	-	-	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States				
September 2016	73.7	5,205.7	13,300.4	148,265.4
August 2016	110.9	3,750.8	13,662.9	146,059.4
September 2015	55.4	3,690.8	13,352.4	156,206.0
PAD District 1				
September 2016	19.6	3,562.6	2,169.2	29,959.0
August 2016	59.3	2,057.0	2,362.5	27,552.3
September 2015	W	2,532.6	2,101.0	28,950.4
Subdistrict 1A				
September 2016	-	W	31.7	1,266.8
August 2016	-	W	32.4	1,159.7
September 2015	-	W	35.9	1,388.6
Connecticut				
September 2016	-	W	W	363.5
August 2016	-	W	W	327.2
September 2015	-	W	W	463.6
Maine				
September 2016	-	W	-	158.6
August 2016	-	W	-	170.1
September 2015	-	-	-	128.8
Massachusetts				
September 2016	-	-	W	194.5
August 2016	-	-	W	211.7
September 2015	-	-	25.4	254.5
New Hampshire				
September 2016	-	W	W	W
August 2016	-	W	W	W
September 2015	-	-	W	W
Rhode Island				
September 2016	-	W	W	W
August 2016	-	W	W	W
September 2015	-	W	W	493.8
Vermont				
September 2016	-	W	W	W
August 2016	-	W	W	W
September 2015	-	W	W	W
Subdistrict 1B				
September 2016	19.6	3,235.6	646.9	16,019.5
August 2016	59.3	1,802.1	732.1	13,089.1
September 2015	W	2,218.2	647.4	14,975.7
Delaware				
September 2016	-	W	W	W
August 2016	-	W	W	W
September 2015	-	W	W	W
District of Columbia				
September 2016	-	-	-	W
August 2016	-	-	-	W
September 2015	-	-	-	W
Maryland				
September 2016	W	W	W	1,114.9
August 2016	W	W	W	1,173.0
September 2015	W	W	W	1,176.6
New Jersey				
September 2016	-	1,614.8	172.5	6,607.4
August 2016	-	986.4	176.4	5,161.2
September 2015	-	1,211.3	186.7	5,656.0
New York				
September 2016	W	169.7	186.6	1,128.8
August 2016	W	176.6	229.6	1,143.2
September 2015	W	296.6	198.2	1,746.1
Pennsylvania				
September 2016	W	1,037.5	260.8	6,632.0
August 2016	NA	427.6	295.0	5,240.9
September 2015	W	626.2	207.2	6,199.3

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C				
September 2016	-	W	1,490.5	12,672.8
August 2016	-	W	1,598.0	13,303.5
September 2015	-	W	1,417.8	12,586.2
Florida				
September 2016	-	-	526.2	3,981.8
August 2016	-	-	571.3	3,951.8
September 2015	-	-	317.5	3,755.4
Georgia				
September 2016	-	-	155.3	2,309.9
August 2016	-	-	153.5	2,485.7
September 2015	-	-	151.6	2,410.4
North Carolina				
September 2016	-	W	433.3	2,289.0
August 2016	-	W	453.3	2,517.8
September 2015	-	W	510.7	2,340.4
South Carolina				
September 2016	-	-	W	1,127.8
August 2016	-	W	W	1,334.3
September 2015	-	-	W	1,154.7
Virginia				
September 2016	-	-	49.5	2,392.7
August 2016	-	-	50.1	2,384.9
September 2015	-	-	61.4	2,246.1
West Virginia				
September 2016	-	W	W	571.5
August 2016	-	-	W	629.0
September 2015	-	-	W	679.1
PAD District 2				
September 2016	W	W	4,556.2	41,736.1
August 2016	W	W	4,707.5	40,483.8
September 2015	W	W	4,898.4	44,982.8
Illinois				
September 2016	-	-	W	5,729.5
August 2016	-	-	W	5,156.9
September 2015	-	-	264.1	6,084.0
Indiana				
September 2016	-	-	W	3,528.0
August 2016	-	-	W	3,559.6
September 2015	-	-	W	4,246.0
Iowa				
September 2016	-	-	16.7	2,090.0
August 2016	-	-	14.8	1,746.2
September 2015	-	-	24.2	2,137.1
Kansas				
September 2016	-	-	W	3,131.4
August 2016	-	-	W	3,172.3
September 2015	-	-	W	3,600.4
Kentucky				
September 2016	-	W	W	2,169.3
August 2016	-	W	W	2,019.0
September 2015	-	W	W	1,992.1
Michigan				
September 2016	-	W	W	2,303.8
August 2016	-	W	W	2,433.0
September 2015	-	-	W	2,363.3
Minnesota				
September 2016	W	-	267.9	2,475.3
August 2016	W	-	250.5	2,553.6
September 2015	W	-	272.6	2,621.9
Missouri				
September 2016	-	-	4.2	1,601.7
August 2016	-	-	W	1,487.6
September 2015	-	-	W	1,372.7

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)				
Nebraska				
September 2016	-	-	W	1,514.4
August 2016	-	-	W	1,489.9
September 2015	-	-	W	1,423.8
North Dakota				
September 2016	W	-	W	1,445.7
August 2016	W	-	W	1,753.2
September 2015	W	-	W	1,878.5
Ohio				
September 2016	-	-	879.2	4,911.1
August 2016	-	-	833.5	4,620.5
September 2015	-	-	857.5	4,720.4
Oklahoma				
September 2016	-	-	W	4,918.5
August 2016	-	-	W	4,746.9
September 2015	-	-	W	6,711.9
South Dakota				
September 2016	W	-	W	715.8
August 2016	W	-	W	569.9
September 2015	W	-	75.0	679.4
Tennessee				
September 2016	-	-	435.9	3,090.8
August 2016	-	-	423.3	3,090.6
September 2015	-	-	426.2	3,167.2
Wisconsin				
September 2016	W	-	64.7	2,110.6
August 2016	W	-	59.1	2,084.6
September 2015	W	-	72.2	1,984.1
PAD District 3				
September 2016	-	1,534.7	2,815.4	50,087.1
August 2016	-	1,598.9	2,842.1	48,889.6
September 2015	-	W	2,365.5	53,687.0
Alabama				
September 2016	-	-	196.4	1,751.3
August 2016	-	-	184.5	1,709.2
September 2015	-	-	157.8	1,788.8
Arkansas				
September 2016	-	-	W	1,268.3
August 2016	-	-	W	1,282.9
September 2015	-	W	W	1,366.6
Louisiana				
September 2016	-	W	W	14,560.5
August 2016	-	W	363.1	11,017.9
September 2015	-	W	W	12,251.3
Mississippi				
September 2016	-	W	105.0	2,548.7
August 2016	-	W	W	2,606.6
September 2015	-	W	69.6	2,886.5
New Mexico				
September 2016	-	-	271.7	1,327.7
August 2016	-	-	289.5	1,293.6
September 2015	-	-	291.2	1,266.7
Texas				
September 2016	-	629.5	1,843.5	28,630.6
August 2016	-	960.3	1,842.8	30,979.5
September 2015	-	W	1,754.7	34,127.1

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4				
September 2016	W	-	1,284.5	6,798.2
August 2016	W	-	1,218.5	7,351.9
September 2015	W	-	1,265.9	7,272.5
Colorado				
September 2016	-	-	263.2	2,204.7
August 2016	-	-	266.0	2,358.8
September 2015	-	-	296.2	2,219.4
Idaho				
September 2016	W	-	106.4	709.1
August 2016	-	-	W	836.4
September 2015	W	-	93.8	887.7
Montana				
September 2016	W	-	194.9	1,121.5
August 2016	W	-	W	1,258.3
September 2015	W	-	94.1	1,102.2
Utah				
September 2016	W	-	321.8	1,661.5
August 2016	W	-	327.2	1,776.5
September 2015	W	-	384.0	1,749.3
Wyoming				
September 2016	-	-	398.1	1,101.4
August 2016	-	-	340.2	1,122.0
September 2015	-	-	397.7	1,313.9
PAD District 5				
September 2016	W	W	2,475.2	19,684.9
August 2016	W	W	2,532.4	21,781.8
September 2015	W	W	2,721.5	21,313.1
Alaska				
September 2016	W	W	W	W
August 2016	W	W	W	W
September 2015	W	W	280.3	W
Arizona				
September 2016	-	-	377.0	1,171.3
August 2016	-	-	381.5	1,263.5
September 2015	-	-	488.3	1,234.4
California				
September 2016	-	-	1,132.8	12,100.9
August 2016	-	-	1,180.5	13,846.3
September 2015	-	-	1,300.1	13,197.5
Hawaii				
September 2016	-	-	W	W
August 2016	-	-	333.2	W
September 2015	-	-	W	W
Nevada				
September 2016	W	-	W	409.9
August 2016	W	-	146.8	452.5
September 2015	W	-	18.3	527.6
Oregon				
September 2016	-	-	7.4	2,127.8
August 2016	-	-	W	1,924.4
September 2015	-	-	W	2,248.1
Washington				
September 2016	W	-	240.5	3,392.8
August 2016	-	-	250.3	3,577.0
September 2015	W	-	143.2	3,463.3

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 44. Refiner residual fuel oil and no. 4 fuel volumes by PAD District

thousand gallons per day

	Residual fuel oil						No. 4 fuel[a]	
	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total			
Geographic area month	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States								
September 2016	W	522.7	W	6,558.0	4,772.4	7,080.7	W	W
August 2016	W	921.9	W	7,220.0	4,415.2	8,141.9	W	W
September 2015	W	899.6	W	7,243.4	4,546.1	8,143.0	W	141.3
PAD District 1								
September 2016	W	W	W	W	403.0	1,567.4	-	-
August 2016	W	429.8	W	1,794.3	W	2,224.1	-	-
September 2015	W	W	W	W	W	1,624.8	-	-
Subdistrict 1A								
September 2016	-	-	-	-	-	-	-	-
August 2016	-	-	-	-	-	-	-	-
September 2015	-	-	-	-	-	-	-	-
Subdistrict 1B								
September 2016	W	W	W	W	W	1,567.4	-	-
August 2016	W	429.8	W	W	W	W	-	-
September 2015	W	W	W	W	W	1,624.8	-	-
Subdistrict 1C								
September 2016	-	-	W	-	W	-	-	-
August 2016	-	-	W	W	W	W	-	-
September 2015	-	-	-	-	-	-	-	-
PAD District 2								
September 2016	-	-	-	210.7	-	210.7	-	W
August 2016	-	-	-	178.3	-	178.3	-	W
September 2015	-	-	-	188.9	-	188.9	-	W
PAD District 3								
September 2016	-	W	878.2	W	878.2	4,283.6	-	W
August 2016	-	W	W	W	W	5,109.1	-	W
September 2015	-	478.4	W	4,112.4	W	4,590.8	-	W
PAD District 4								
September 2016	-	W	-	W	-	43.6	W	-
August 2016	-	W	-	W	-	W	W	-
September 2015	-	W	-	W	-	NA	W	-
PAD District 5								
September 2016	W	W	W	W	3,491.2	975.3	-	-
August 2016	W	W	W	W	3,380.9	W	-	-
September 2015	W	W	W	W	3,271.3	1,639.7	-	-

- = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.
Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Prime Supplier Sales Volumes of Petroleum Products for Local Consumption

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state

thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
September 2016	218,248.7	107,244.6	325,493.1	4,324.2	2,791.7	7,115.8
August 2016	222,510.2	108,805.0	331,315.1	4,582.1	2,879.9	7,462.0
September 2015	211,362.0	105,716.3	317,078.4	4,436.6	2,724.4	7,161.0
PAD District 1						
September 2016	64,892.3	42,826.6	107,719.1	1,467.0	1,045.4	2,512.4
August 2016	66,921.2	43,641.0	110,562.2	1,594.9	1,136.2	2,731.1
September 2015	63,497.8	41,738.8	105,236.6	1,476.6	1,075.1	2,551.7
Subdistrict 1A						
September 2016	1,951.8	13,720.5	15,672.3	17.5	334.6	352.1
August 2016	2,043.7	13,966.9	16,010.5	21.7	372.8	394.5
September 2015	2,005.1	13,173.9	15,179.0	19.3	316.9	336.2
Connecticut						
September 2016	-	3,538.2	3,538.2	-	NA	NA
August 2016	-	3,599.1	3,599.1	-	97.2	97.2
September 2015	-	3,791.5	3,791.5	-	89.0	89.0
Maine						
September 2016	793.2	1,127.6	1,920.8	4.5	18.9	23.4
August 2016	857.3	1,191.8	2,049.2	6.2	22.7	29.0
September 2015	863.6	995.1	1,858.7	6.4	18.6	25.0
Massachusetts						
September 2016	-	6,489.1	6,489.1	-	160.9	160.9
August 2016	-	6,506.4	6,506.4	-	174.0	174.0
September 2015	-	5,910.3	5,910.3	-	149.8	149.8
New Hampshire						
September 2016	327.6	1,051.9	1,379.5	2.6	23.2	25.8
August 2016	362.8	1,092.7	1,455.5	3.6	29.0	32.6
September 2015	370.7	1,069.6	1,440.3	3.1	22.2	25.2
Rhode Island						
September 2016	-	1,513.7	1,513.7	-	40.7	40.7
August 2016	-	1,576.8	1,576.8	-	49.8	49.8
September 2015	-	1,407.4	1,407.4	-	37.3	37.3
Vermont						
September 2016	831.0	-	831.0	10.4	-	10.4
August 2016	823.5	-	823.5	11.9	-	11.9
September 2015	770.8	-	770.8	9.8	-	9.8
Subdistrict 1B						
September 2016	12,122.7	24,661.6	36,784.1	194.5	601.2	795.6
August 2016	12,139.1	25,144.0	37,283.1	195.5	643.0	838.5
September 2015	11,599.6	24,230.3	35,829.8	182.3	637.1	819.4
Delaware						
September 2016	-	1,121.8	1,121.8	-	17.3	17.3
August 2016	-	1,163.6	1,163.6	-	25.6	25.6
September 2015	-	1,039.4	1,039.4	-	16.3	16.3
District of Columbia						
September 2016	-	147.6	147.6	-	7.5	7.5
August 2016	-	147.3	147.3	-	7.5	7.5
September 2015	-	141.4	141.4	-	9.1	9.1
Maryland						
September 2016	597.5	4,385.2	4,982.7	8.2	90.7	98.9
August 2016	698.6	4,433.0	5,131.6	6.2	95.1	101.3
September 2015	490.2	4,492.7	4,982.9	4.8	110.4	115.1
New Jersey						
September 2016	-	9,479.5	9,479.5	-	165.9	165.9
August 2016	-	9,796.9	9,796.9	-	177.5	177.5
September 2015	-	9,317.7	9,317.7	-	175.2	175.2
New York						
September 2016	6,522.4	7,152.2	13,674.6	89.3	264.0	353.4
August 2016	6,522.2	7,104.3	13,626.5	88.8	281.5	370.3
September 2015	5,941.1	6,884.0	12,825.1	83.2	264.8	348.0
Pennsylvania						
September 2016	5,002.8	2,375.4	7,378.1	96.9	55.8	152.7
August 2016	4,918.3	2,498.9	7,417.2	100.5	55.9	156.4
September 2015	5,168.3	2,355.1	7,523.4	94.4	61.3	155.7

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
September 2016	23,364.9	20,338.1	43,703.1	245,937.7	130,374.3	376,312.1
August 2016	25,112.1	20,829.3	45,941.5	252,204.5	132,514.2	384,718.6
September 2015	22,478.6	18,931.0	41,409.6	238,277.2	127,371.7	365,649.0
PAD District 1						
September 2016	7,188.9	7,217.0	14,405.9	73,548.3	51,089.0	124,637.3
August 2016	7,765.3	7,431.6	15,196.9	76,281.5	52,208.6	128,490.2
September 2015	7,263.5	6,832.1	14,095.6	72,237.8	49,646.0	121,883.8
Subdistrict 1A						
September 2016	169.6	1,884.5	2,054.1	2,138.9	15,939.5	18,078.4
August 2016	204.9	2,014.8	2,219.7	2,270.3	16,354.5	18,624.8
September 2015	168.7	1,712.3	1,881.0	2,193.1	15,203.1	17,396.1
Connecticut						
September 2016	-	523.7	523.7	-	4,152.6	4,152.6
August 2016	-	594.1	594.1	-	4,290.5	4,290.5
September 2015	-	519.4	519.4	-	4,399.9	4,399.9
Maine						
September 2016	68.9	73.0	141.9	866.6	1,219.5	2,086.1
August 2016	87.5	86.7	174.2	951.0	1,301.3	2,252.3
September 2015	73.7	63.3	137.0	943.7	1,077.0	2,020.7
Massachusetts						
September 2016	-	965.8	965.8	-	7,615.9	7,615.9
August 2016	-	978.8	978.8	-	7,659.2	7,659.2
September 2015	-	814.6	814.6	-	6,874.8	6,874.8
New Hampshire						
September 2016	26.4	110.0	136.4	356.6	1,185.1	1,541.7
August 2016	31.0	121.9	152.9	397.4	1,243.6	1,641.1
September 2015	27.7	118.7	146.4	401.5	1,210.5	1,611.9
Rhode Island						
September 2016	-	212.0	212.0	-	1,766.4	1,766.4
August 2016	-	233.3	233.3	-	1,859.9	1,859.9
September 2015	-	196.3	196.3	-	1,641.0	1,641.0
Vermont						
September 2016	74.3	-	74.3	915.7	-	915.7
August 2016	86.5	-	86.5	921.9	-	921.9
September 2015	67.3	-	67.3	847.9	-	847.9
Subdistrict 1B						
September 2016	1,104.3	4,529.5	5,633.8	13,421.4	29,792.1	43,213.6
August 2016	1,191.0	4,559.8	5,750.8	13,525.7	30,346.8	43,872.5
September 2015	1,056.8	4,286.2	5,343.0	12,838.7	29,153.6	41,992.3
Delaware						
September 2016	-	143.8	143.8	-	1,282.8	1,282.8
August 2016	-	137.7	137.7	-	1,326.9	1,326.9
September 2015	-	132.5	132.5	-	1,188.1	1,188.1
District of Columbia						
September 2016	-	34.8	34.8	-	189.8	189.8
August 2016	-	34.8	34.8	-	189.5	189.5
September 2015	-	36.0	36.0	-	186.4	186.4
Maryland						
September 2016	42.6	789.1	831.8	648.4	5,265.0	5,913.4
August 2016	62.5	774.0	836.6	767.3	5,302.2	6,069.5
September 2015	46.0	754.1	800.1	541.0	5,357.1	5,898.1
New Jersey						
September 2016	-	1,528.0	1,528.0	-	11,173.4	11,173.4
August 2016	-	1,545.7	1,545.7	-	11,520.2	11,520.2
September 2015	-	1,435.5	1,435.5	-	10,928.4	10,928.4
New York						
September 2016	610.0	1,656.8	2,266.8	7,221.7	9,073.0	16,294.8
August 2016	663.9	1,679.2	2,343.1	7,274.9	9,064.9	16,339.9
September 2015	555.6	1,565.7	2,121.3	6,579.9	8,714.5	15,294.4
Pennsylvania						
September 2016	451.6	377.0	828.6	5,551.3	2,808.1	8,359.4
August 2016	464.6	388.4	853.0	5,483.5	2,943.2	8,426.6
September 2015	455.2	362.5	817.7	5,717.9	2,778.9	8,496.8

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
September 2016	50,818.0	4,444.6	55,262.6	1,255.0	109.7	1,364.7
August 2016	52,738.5	4,530.1	57,268.5	1,377.6	120.4	1,498.0
September 2015	49,893.1	4,334.6	54,227.6	1,275.0	121.1	1,396.1
Florida						
September 2016	17,292.8	-	17,292.8	328.3	-	328.3
August 2016	17,603.0	-	17,603.0	346.9	-	346.9
September 2015	16,775.3	-	16,775.3	333.5	-	333.5
Georgia						
September 2016	11,084.4	-	11,084.4	329.2	-	329.2
August 2016	11,462.9	-	11,462.9	365.1	-	365.1
September 2015	10,781.6	-	10,781.6	336.9	-	336.9
North Carolina						
September 2016	10,481.6	-	10,481.6	284.8	-	284.8
August 2016	11,045.7	-	11,045.7	325.3	-	325.3
September 2015	10,409.9	-	10,409.9	288.1	-	288.1
South Carolina						
September 2016	6,307.8	-	6,307.8	200.5	-	200.5
August 2016	6,651.0	-	6,651.0	219.9	-	219.9
September 2015	6,185.2	-	6,185.2	200.0	-	200.0
Virginia						
September 2016	3,762.8	4,444.6	8,207.3	79.6	109.7	189.3
August 2016	4,071.0	4,530.1	8,601.0	85.6	120.4	205.9
September 2015	3,969.4	4,334.6	8,303.9	79.4	121.1	200.5
West Virginia						
September 2016	1,888.7	-	1,888.7	32.6	-	32.6
August 2016	1,904.9	-	1,904.9	34.9	-	34.9
September 2015	1,771.8	-	1,771.8	37.1	-	37.1
PAD District 2						
September 2016	80,783.7	14,110.2	94,894.0	1,454.7	249.9	1,704.6
August 2016	81,275.2	14,326.2	95,601.5	1,522.2	253.9	1,776.1
September 2015	78,147.7	13,721.1	91,868.7	1,560.8	233.5	1,794.3
Illinois						
September 2016	4,626.1	7,456.6	12,082.8	88.5	127.5	216.0
August 2016	4,604.4	7,546.0	12,150.4	86.8	127.2	214.0
September 2015	4,459.4	7,163.4	11,622.8	110.8	112.7	223.5
Indiana						
September 2016	7,221.0	1,131.2	8,352.2	115.8	26.5	142.2
August 2016	7,193.5	1,175.0	8,368.5	121.5	27.0	148.5
September 2015	6,852.3	1,116.8	7,969.1	118.7	25.3	144.0
Iowa						
September 2016	3,031.2	-	3,031.2	103.6	-	103.6
August 2016	2,914.7	-	2,914.7	96.9	-	96.9
September 2015	2,648.7	-	2,648.7	112.0	-	112.0
Kansas						
September 2016	4,074.7	-	4,074.7	63.1	-	63.1
August 2016	4,243.5	-	4,243.5	63.6	-	63.6
September 2015	4,111.7	-	4,111.7	61.8	-	61.8
Kentucky						
September 2016	4,271.4	1,112.9	5,384.3	65.3	19.6	84.9
August 2016	4,202.4	1,176.6	5,379.0	67.4	21.3	88.7
September 2015	3,972.1	1,052.8	5,024.9	69.4	20.5	89.9
Michigan						
September 2016	11,889.0	-	11,889.0	92.7	-	92.7
August 2016	11,916.0	-	11,916.0	98.1	-	98.1
September 2015	11,563.5	-	11,563.5	94.6	-	94.6
Minnesota						
September 2016	5,964.3	-	5,964.3	186.7	-	186.7
August 2016	6,135.6	-	6,135.6	202.9	-	202.9
September 2015	5,859.6	-	5,859.6	195.1	-	195.1
Missouri						
September 2016	5,027.8	2,446.7	7,474.5	75.9	46.7	122.6
August 2016	4,894.7	2,466.4	7,361.1	89.1	47.2	136.4
September 2015	4,444.7	2,492.3	6,937.0	74.6	46.6	121.2

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
September 2016	5,915.0	803.0	6,718.0	57,988.1	5,357.2	63,345.3
August 2016	6,369.4	857.0	7,226.4	60,485.5	5,507.4	65,992.8
September 2015	6,038.0	833.7	6,871.6	57,206.1	5,289.3	62,495.3
Florida						
September 2016	2,325.6	-	2,325.6	19,946.6	-	19,946.6
August 2016	2,415.0	-	2,415.0	20,364.9	-	20,364.9
September 2015	2,342.3	-	2,342.3	19,451.1	-	19,451.1
Georgia						
September 2016	1,330.7	-	1,330.7	12,744.3	-	12,744.3
August 2016	1,480.1	-	1,480.1	13,308.1	-	13,308.1
September 2015	1,407.8	-	1,407.8	12,526.3	-	12,526.3
North Carolina						
September 2016	1,186.7	-	1,186.7	11,953.1	-	11,953.1
August 2016	1,283.5	-	1,283.5	12,654.5	-	12,654.5
September 2015	1,146.3	-	1,146.3	11,844.4	-	11,844.4
South Carolina						
September 2016	629.9	-	629.9	7,138.2	-	7,138.2
August 2016	707.7	-	707.7	7,578.6	-	7,578.6
September 2015	678.5	-	678.5	7,063.7	-	7,063.7
Virginia						
September 2016	332.5	803.0	1,135.5	4,174.9	5,357.2	9,532.1
August 2016	369.6	857.0	1,226.5	4,526.1	5,507.4	10,033.5
September 2015	352.3	833.7	1,186.0	4,401.1	5,289.3	9,690.4
West Virginia						
September 2016	109.6	-	109.6	2,031.0	-	2,031.0
August 2016	113.5	-	113.5	2,053.3	-	2,053.3
September 2015	110.8	-	110.8	1,919.6	-	1,919.6
PAD District 2						
September 2016	6,514.4	1,672.8	8,187.1	88,752.7	16,032.9	104,785.7
August 2016	7,069.2	1,687.5	8,756.7	89,866.7	16,267.6	106,134.2
September 2015	6,335.6	1,587.5	7,923.1	86,044.2	15,542.1	101,586.2
Illinois						
September 2016	249.1	1,064.5	1,313.6	4,963.7	8,648.6	13,612.3
August 2016	262.0	1,062.0	1,323.9	4,953.2	8,735.2	13,688.4
September 2015	255.4	994.4	1,249.8	4,825.7	8,270.5	13,096.2
Indiana						
September 2016	482.6	111.4	594.0	7,819.4	1,269.1	9,088.5
August 2016	477.8	115.4	593.2	7,792.9	1,317.4	9,110.3
September 2015	455.8	107.7	563.6	7,426.9	1,249.8	8,676.7
Iowa						
September 2016	339.3	-	339.3	3,474.1	-	3,474.1
August 2016	368.9	-	368.9	3,380.5	-	3,380.5
September 2015	343.8	-	343.8	3,104.5	-	3,104.5
Kansas						
September 2016	328.4	-	328.4	4,466.2	-	4,466.2
August 2016	334.5	-	334.5	4,641.7	-	4,641.7
September 2015	300.8	-	300.8	4,474.3	-	4,474.3
Kentucky						
September 2016	274.6	101.3	375.9	4,611.4	1,233.8	5,845.1
August 2016	270.8	107.7	378.5	4,540.6	1,305.5	5,846.2
September 2015	259.7	95.2	354.8	4,301.1	1,168.5	5,469.6
Michigan						
September 2016	782.2	-	782.2	12,764.0	-	12,764.0
August 2016	866.8	-	866.8	12,880.9	-	12,880.9
September 2015	771.5	-	771.5	12,429.6	-	12,429.6
Minnesota						
September 2016	521.7	-	521.7	6,672.8	-	6,672.8
August 2016	643.1	-	643.1	6,981.6	-	6,981.6
September 2015	504.2	-	504.2	6,558.9	-	6,558.9
Missouri						
September 2016	401.0	222.7	623.7	5,504.8	2,716.0	8,220.8
August 2016	405.0	224.3	629.3	5,388.8	2,737.9	8,126.7
September 2015	350.2	220.4	570.6	4,869.5	2,759.3	7,628.8

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
September 2016	1,966.2	-	1,966.2	54.7	-	54.7
August 2016	2,006.6	-	2,006.6	56.3	-	56.3
September 2015	1,861.8	-	1,861.8	68.2	-	68.2
North Dakota						
September 2016	991.5	-	991.5	37.9	-	37.9
August 2016	1,072.7	-	1,072.7	41.0	-	41.0
September 2015	1,032.4	-	1,032.4	46.6	-	46.6
Ohio						
September 2016	12,474.2	-	12,474.2	187.4	-	187.4
August 2016	12,352.6	-	12,352.6	192.6	-	192.6
September 2015	12,030.9	-	12,030.9	191.1	-	191.1
Oklahoma						
September 2016	4,871.2	-	4,871.2	72.5	-	72.5
August 2016	4,972.7	-	4,972.7	71.4	-	71.4
September 2015	4,953.8	-	4,953.8	74.2	-	74.2
South Dakota						
September 2016	1,086.4	-	1,086.4	32.2	-	32.2
August 2016	1,160.2	-	1,160.2	36.9	-	36.9
September 2015	1,061.1	-	1,061.1	45.2	-	45.2
Tennessee						
September 2016	8,447.8	-	8,447.8	198.2	-	198.2
August 2016	8,552.0	-	8,552.0	209.8	-	209.8
September 2015	8,453.1	-	8,453.1	214.2	-	214.2
Wisconsin						
September 2016	4,841.0	1,962.8	6,803.8	80.2	29.6	109.9
August 2016	5,053.5	1,962.2	7,015.7	87.7	31.2	119.0
September 2015	4,842.6	1,895.7	6,738.4	84.3	28.4	112.7
PAD District 3						
September 2016	43,066.8	15,032.9	58,099.8	664.8	322.2	987.0
August 2016	43,258.3	14,745.3	58,003.6	675.3	313.5	988.8
September 2015	41,477.3	14,693.8	56,171.1	668.0	308.0	975.9
Alabama						
September 2016	6,242.8	-	6,242.8	119.6	-	119.6
August 2016	6,196.0	-	6,196.0	125.6	-	125.6
September 2015	5,675.1	-	5,675.1	117.3	-	117.3
Arkansas						
September 2016	3,713.8	-	3,713.8	55.8	-	55.8
August 2016	3,601.8	-	3,601.8	54.8	-	54.8
September 2015	3,605.2	-	3,605.2	57.2	-	57.2
Louisiana						
September 2016	6,944.7	-	6,944.7	73.2	-	73.2
August 2016	6,612.8	-	6,612.8	71.9	-	71.9
September 2015	6,864.6	-	6,864.6	84.6	-	84.6
Mississippi						
September 2016	4,462.2	-	4,462.2	67.8	-	67.8
August 2016	4,317.5	-	4,317.5	71.6	-	71.6
September 2015	4,452.2	-	4,452.2	71.8	-	71.8
New Mexico						
September 2016	2,338.5	-	2,338.5	90.5	-	90.5
August 2016	2,386.5	-	2,386.5	90.9	-	90.9
September 2015	2,235.4	-	2,235.4	78.7	-	78.7
Texas						
September 2016	19,364.8	15,032.9	34,397.6	257.9	322.2	580.1
August 2016	20,143.6	14,745.3	34,889.0	260.4	313.5	573.9
September 2015	18,644.8	14,693.8	33,338.6	258.5	308.0	566.5

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
September 2016	239.9	-	239.9	2,260.8	-	2,260.8
August 2016	253.9	-	253.9	2,316.9	-	2,316.9
September 2015	236.4	-	236.4	2,166.5	-	2,166.5
North Dakota						
September 2016	101.7	-	101.7	1,131.0	-	1,131.0
August 2016	128.6	-	128.6	1,242.3	-	1,242.3
September 2015	102.4	-	102.4	1,181.5	-	1,181.5
Ohio						
September 2016	928.6	-	928.6	13,590.2	-	13,590.2
August 2016	926.4	-	926.4	13,471.6	-	13,471.6
September 2015	923.4	-	923.4	13,145.3	-	13,145.3
Oklahoma						
September 2016	483.5	-	483.5	5,427.1	-	5,427.1
August 2016	530.3	-	530.3	5,574.4	-	5,574.4
September 2015	432.7	-	432.7	5,460.6	-	5,460.6
South Dakota						
September 2016	116.7	-	116.7	1,235.3	-	1,235.3
August 2016	159.5	-	159.5	1,356.6	-	1,356.6
September 2015	110.2	-	110.2	1,216.6	-	1,216.6
Tennessee						
September 2016	838.3	-	838.3	9,484.3	-	9,484.3
August 2016	937.4	-	937.4	9,699.2	-	9,699.2
September 2015	874.6	-	874.6	9,541.9	-	9,541.9
Wisconsin						
September 2016	426.7	173.0	599.7	5,347.9	2,165.4	7,513.3
August 2016	504.2	178.2	682.4	5,645.5	2,171.6	7,817.1
September 2015	414.4	169.8	584.3	5,341.3	2,094.0	7,435.3
PAD District 3						
September 2016	3,900.4	2,216.7	6,117.1	47,632.1	17,571.8	65,203.8
August 2016	4,096.8	2,107.9	6,204.7	48,030.3	17,166.6	65,197.1
September 2015	3,699.6	2,098.8	5,798.4	45,844.8	17,100.5	62,945.3
Alabama						
September 2016	562.6	-	562.6	6,925.0	-	6,925.0
August 2016	564.0	-	564.0	6,885.7	-	6,885.7
September 2015	511.9	-	511.9	6,304.3	-	6,304.3
Arkansas						
September 2016	306.0	-	306.0	4,075.6	-	4,075.6
August 2016	305.6	-	305.6	3,962.2	-	3,962.2
September 2015	275.0	-	275.0	3,937.4	-	3,937.4
Louisiana						
September 2016	573.8	-	573.8	7,591.7	-	7,591.7
August 2016	543.2	-	543.2	7,228.0	-	7,228.0
September 2015	533.7	-	533.7	7,482.9	-	7,482.9
Mississippi						
September 2016	343.6	-	343.6	4,873.6	-	4,873.6
August 2016	563.5	-	563.5	4,952.5	-	4,952.5
September 2015	368.6	-	368.6	4,892.6	-	4,892.6
New Mexico						
September 2016	322.9	-	322.9	2,751.9	-	2,751.9
August 2016	325.4	-	325.4	2,802.7	-	2,802.7
September 2015	296.0	-	296.0	2,610.0	-	2,610.0
Texas						
September 2016	1,791.5	2,216.7	4,008.2	21,414.1	17,571.8	38,986.0
August 2016	1,795.1	2,107.9	3,903.0	22,199.3	17,166.6	39,366.0
September 2015	1,714.4	2,098.8	3,813.1	20,617.6	17,100.5	37,718.1

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
September 2016	12,475.4	-	12,475.4	340.6	-	340.6
August 2016	12,941.2	-	12,941.2	365.5	-	365.5
September 2015	11,885.5	-	11,885.5	345.0	-	345.0
Colorado						
September 2016	5,256.0	-	5,256.0	151.5	-	151.5
August 2016	5,336.7	-	5,336.7	158.1	-	158.1
September 2015	4,822.8	-	4,822.8	152.9	-	152.9
Idaho						
September 2016	1,754.0	-	1,754.0	27.4	-	27.4
August 2016	1,812.8	-	1,812.8	31.3	-	31.3
September 2015	1,715.2	-	1,715.2	26.7	-	26.7
Montana						
September 2016	1,742.1	-	1,742.1	77.8	-	77.8
August 2016	1,899.8	-	1,899.8	85.4	-	85.4
September 2015	1,685.7	-	1,685.7	80.5	-	80.5
Utah						
September 2016	2,842.8	-	2,842.8	61.8	-	61.8
August 2016	2,983.8	-	2,983.8	66.2	-	66.2
September 2015	2,760.9	-	2,760.9	54.4	-	54.4
Wyoming						
September 2016	880.5	-	880.5	22.1	-	22.1
August 2016	908.0	-	908.0	24.5	-	24.5
September 2015	900.9	-	900.9	30.4	-	30.4
PAD District 5						
September 2016	17,030.1	35,274.8	52,305.0	396.9	1,174.2	1,571.1
August 2016	18,114.1	36,092.6	54,206.6	424.3	1,176.3	1,600.6
September 2015	16,353.6	35,562.8	51,916.3	386.3	1,107.8	1,494.1
Alaska						
September 2016	670.5	-	670.5	W	-	W
August 2016	731.6	-	731.6	W	-	W
September 2015	603.1	-	603.1	NA	-	NA
Arizona						
September 2016	2,647.7	4,522.8	7,170.4	W	W	165.4
August 2016	2,620.1	4,487.4	7,107.5	W	W	158.6
September 2015	W	W	6,641.5	W	W	156.2
California						
September 2016	-	30,752.0	30,752.0	-	W	1,068.3
August 2016	-	31,605.1	31,605.1	-	W	1,076.0
September 2015	-	31,285.5	31,285.5	-	1,010.0	1,010.0
Hawaii						
September 2016	960.8	-	960.8	W	-	W
August 2016	1,020.5	-	1,020.5	W	-	W
September 2015	964.4	-	964.4	85.4	-	85.4
Nevada						
September 2016	2,477.4	-	2,477.4	96.4	-	96.4
August 2016	2,568.2	-	2,568.2	101.1	-	101.1
September 2015	W	W	2,351.1	W	W	80.5
Oregon						
September 2016	3,906.7	-	3,906.7	40.8	-	40.8
August 2016	4,497.8	-	4,497.8	42.4	-	42.4
September 2015	3,869.1	-	3,869.1	40.7	-	40.7
Washington						
September 2016	6,367.0	-	6,367.0	106.1	-	106.1
August 2016	6,676.0	-	6,676.0	123.9	-	123.9
September 2015	6,201.6	-	6,201.6	111.7	-	111.7

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
September 2016	2,696.9	-	2,696.9	15,512.9	-	15,512.9
August 2016	2,855.2	-	2,855.2	16,161.8	-	16,161.8
September 2015	2,419.5	-	2,419.5	14,650.0	-	14,650.0
Colorado						
September 2016	1,125.5	-	1,125.5	6,533.0	-	6,533.0
August 2016	1,151.0	-	1,151.0	6,645.8	-	6,645.8
September 2015	1,009.5	-	1,009.5	5,985.2	-	5,985.2
Idaho						
September 2016	295.1	-	295.1	2,076.5	-	2,076.5
August 2016	310.6	-	310.6	2,154.7	-	2,154.7
September 2015	253.5	-	253.5	1,995.4	-	1,995.4
Montana						
September 2016	332.6	-	332.6	2,152.6	-	2,152.6
August 2016	402.8	-	402.8	2,387.9	-	2,387.9
September 2015	318.4	-	318.4	2,084.6	-	2,084.6
Utah						
September 2016	770.6	-	770.6	3,675.2	-	3,675.2
August 2016	800.6	-	800.6	3,850.6	-	3,850.6
September 2015	674.1	-	674.1	3,489.4	-	3,489.4
Wyoming						
September 2016	173.1	-	173.1	1,075.7	-	1,075.7
August 2016	190.3	-	190.3	1,122.7	-	1,122.7
September 2015	164.0	-	164.0	1,095.3	-	1,095.3
PAD District 5						
September 2016	3,064.4	9,231.8	12,296.2	20,491.5	45,680.8	66,172.2
August 2016	3,325.7	9,602.2	12,928.0	21,864.1	46,871.1	68,735.2
September 2015	2,760.4	8,412.6	11,173.0	19,500.1	45,083.1	64,583.3
Alaska						
September 2016	W	-	W	765.5	-	765.5
August 2016	W	-	W	825.2	-	825.2
September 2015	59.8	-	59.8	672.6	-	672.6
Arizona						
September 2016	W	W	968.5	3,045.1	5,259.3	8,304.3
August 2016	W	W	962.2	3,016.8	5,211.5	8,228.3
September 2015	W	W	887.7	W	W	7,685.4
California						
September 2016	-	W	8,601.2	-	40,421.5	40,421.5
August 2016	-	W	8,978.4	-	41,659.6	41,659.6
September 2015	-	7,810.1	7,810.1	-	40,105.6	40,105.6
Hawaii						
September 2016	W	-	W	1,294.4	-	1,294.4
August 2016	W	-	W	1,376.9	-	1,376.9
September 2015	246.6	-	246.6	1,296.5	-	1,296.5
Nevada						
September 2016	621.6	-	621.6	3,195.5	-	3,195.5
August 2016	645.0	-	645.0	3,314.2	-	3,314.2
September 2015	W	W	541.6	W	W	2,973.2
Oregon						
September 2016	534.3	-	534.3	4,481.8	-	4,481.8
August 2016	646.2	-	646.2	5,186.3	-	5,186.3
September 2015	484.3	-	484.3	4,394.0	-	4,394.0
Washington						
September 2016	1,236.1	-	1,236.1	7,709.2	-	7,709.2
August 2016	1,344.8	-	1,344.8	8,144.7	-	8,144.7
September 2015	1,142.9	-	1,142.9	7,456.2	-	7,456.2

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil: Sulfur less than or equal to 1%	Residual fuel oil: Sulfur greater than 1%	Total residual fuel oil
United States							
September 2016	448.2	58,898.6	40.3	28,321.1	1,658.5	8,982.6	10,641.1
August 2016	628.9	62,722.8	38.6	25,924.1	1,920.9	9,553.5	11,474.5
September 2015	495.3	59,251.0	52.9	27,309.3	1,576.1	10,090.3	11,666.3
PAD District 1							
September 2016	134.5	14,667.8	W	5,583.5	W	W	3,100.6
August 2016	159.1	15,292.8	W	4,478.9	W	W	4,054.6
September 2015	145.0	14,467.8	W	5,706.3	W	W	3,671.4
Subdistrict 1A							
September 2016	20.0	1,680.6	W	1,041.4	W	W	83.7
August 2016	25.4	1,828.4	W	810.3	W	W	74.0
September 2015	25.5	1,094.1	W	901.2	62.9	46.5	109.4
Connecticut							
September 2016	2.2	143.4	-	117.0	W	-	W
August 2016	3.1	180.3	W	87.0	W	-	W
September 2015	3.0	109.0	W	89.5	-	-	-
Maine							
September 2016	W	132.8	W	265.6	W	W	6.8
August 2016	3.7	165.1	W	190.2	W	W	5.1
September 2015	5.1	127.0	W	227.8	W	W	44.2
Massachusetts							
September 2016	9.8	1,263.1	W	236.2	W	W	W
August 2016	12.3	1,325.3	W	205.7	W	W	W
September 2015	11.8	724.1	W	227.3	W	W	52.8
New Hampshire							
September 2016	2.8	41.9	W	255.9	W	W	W
August 2016	3.1	45.5	W	202.5	W	W	W
September 2015	2.9	31.7	W	182.3	W	-	W
Rhode Island							
September 2016	W	67.6	W	22.9	W	-	W
August 2016	W	77.7	W	21.5	W	W	W
September 2015	W	69.5	W	16.3	W	W	W
Vermont							
September 2016	W	31.8	W	143.8	W	-	W
August 2016	W	34.6	W	103.4	W	-	W
September 2015	W	32.8	W	158.0	W	W	W
Subdistrict 1B							
September 2016	31.2	8,639.0	W	1,870.4	449.4	1,654.9	2,104.4
August 2016	36.4	9,140.2	W	1,424.4	659.0	2,374.9	3,034.0
September 2015	36.0	8,473.2	W	2,015.7	285.7	2,496.5	2,782.2
Delaware							
September 2016	W	W	-	W	W	W	W
August 2016	1.5	W	-	W	W	W	W
September 2015	0.7	W	-	W	W	W	W
District of Columbia							
September 2016	-	W	-	W	-	-	-
August 2016	-	W	-	W	-	-	-
September 2015	-	W	-	W	-	-	-
Maryland							
September 2016	5.6	131.1	-	207.1	-	-	-
August 2016	5.4	145.5	-	158.0	-	W	W
September 2015	4.9	119.7	-	226.9	-	W	W
New Jersey							
September 2016	W	3,630.5	-	169.5	157.7	967.4	1,125.1
August 2016	7.4	3,841.3	-	145.7	W	W	1,988.5
September 2015	5.7	3,963.5	W	173.3	W	W	1,449.7
New York							
September 2016	10.6	3,624.9	W	617.5	W	W	620.8
August 2016	11.3	3,865.9	W	470.9	W	W	837.4
September 2015	11.7	3,497.2	W	712.3	W	W	1,041.1
Pennsylvania							
September 2016	9.1	1,239.8	-	747.6	W	78.9	W
August 2016	10.8	1,275.6	-	525.3	W	W	188.9
September 2015	13.1	877.0	-	805.9	W	W	274.2

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil: Sulfur less than or equal to 1%	Residual fuel oil: Sulfur greater than 1%	Total residual fuel oil
Subdistrict 1C							
September 2016	83.4	4,348.2	-	2,671.7	W	W	912.5
August 2016	97.4	4,324.2	-	2,244.3	W	W	946.6
September 2015	83.4	4,900.5	-	2,789.5	W	W	779.7
Florida							
September 2016	45.2	2,185.2	-	533.6	W	W	623.9
August 2016	54.3	1,956.6	-	403.2	W	W	611.7
September 2015	45.0	2,912.3	-	428.8	-	525.0	525.0
Georgia							
September 2016	13.7	514.2	-	423.2	-	W	W
August 2016	12.7	538.5	-	373.5	-	W	W
September 2015	12.2	403.7	-	493.7	W	W	109.9
North Carolina							
September 2016	8.7	245.4	-	871.1	-	W	W
August 2016	12.8	271.9	-	703.9	-	18.1	18.1
September 2015	9.9	351.1	-	1,049.0	-	W	W
South Carolina							
September 2016	6.0	198.3	-	371.5	W	W	W
August 2016	6.8	247.6	-	340.8	-	W	W
September 2015	7.3	224.2	-	384.0	-	W	W
Virginia							
September 2016	8.4	1,183.7	-	355.4	-	W	W
August 2016	9.0	1,286.8	-	291.6	-	W	W
September 2015	7.3	985.8	-	374.0	-	-	-
West Virginia							
September 2016	1.3	21.4	-	116.9	-	-	-
August 2016	1.7	22.8	-	131.3	-	-	-
September 2015	1.6	23.4	-	60.0	-	-	-
PAD District 2							
September 2016	104.8	10,027.4	W	6,709.9	-	W	W
August 2016	134.2	11,260.7	W	5,725.2	-	W	W
September 2015	135.6	10,050.5	W	7,382.2	-	W	W
Illinois							
September 2016	11.3	2,901.6	-	922.3	-	-	-
August 2016	11.5	3,162.5	-	667.6	-	-	-
September 2015	17.4	2,765.0	-	1,085.0	-	-	-
Indiana							
September 2016	8.6	872.9	-	435.6	-	W	W
August 2016	9.3	1,072.4	-	373.7	-	W	W
September 2015	10.5	815.4	-	475.7	-	W	W
Iowa							
September 2016	4.3	94.3	-	611.7	-	-	-
August 2016	8.0	113.8	-	424.1	-	-	-
September 2015	5.5	101.0	-	687.0	-	-	-
Kansas							
September 2016	5.2	137.3	-	462.4	-	-	-
August 2016	8.4	148.3	-	467.6	-	-	-
September 2015	8.9	169.5	-	748.0	-	-	-
Kentucky							
September 2016	3.9	1,155.1	W	264.7	-	W	W
August 2016	4.2	1,193.6	W	246.4	-	W	W
September 2015	5.0	1,063.4	W	328.3	-	W	W
Michigan							
September 2016	10.0	407.0	-	595.0	-	W	W
August 2016	12.6	574.3	-	590.1	-	W	W
September 2015	11.6	350.0	-	579.1	-	W	W
Minnesota							
September 2016	7.5	377.5	-	581.9	-	W	W
August 2016	13.3	605.4	-	506.0	-	-	-
September 2015	11.2	517.4	-	527.2	-	W	W
Missouri							
September 2016	8.0	258.9	-	607.1	-	-	-
August 2016	9.6	342.9	-	442.6	-	-	-
September 2015	10.0	335.1	-	705.8	-	-	-

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil: Sulfur less than or equal to 1%	Residual fuel oil: Sulfur greater than 1%	Total residual fuel oil
PAD District 2 (cont.)							
Nebraska							
September 2016	4.1	130.1	-	249.7	-	-	-
August 2016	4.7	150.3	-	221.3	-	-	-
September 2015	4.4	106.0	-	295.6	-	-	-
North Dakota							
September 2016	5.2	91.4	-	344.6	-	-	-
August 2016	5.8	125.1	-	351.8	-	-	-
September 2015	4.8	95.5	-	256.7	-	-	-
Ohio							
September 2016	11.7	1,093.6	-	478.4	-	-	-
August 2016	16.4	1,175.8	-	390.0	-	-	-
September 2015	17.1	1,314.3	-	478.2	-	-	-
Oklahoma							
September 2016	7.0	913.2	-	188.7	-	-	-
August 2016	7.4	935.2	-	180.8	-	-	-
September 2015	6.8	889.2	W	272.3	-	-	-
South Dakota							
September 2016	2.3	74.6	-	150.2	-	W	W
August 2016	4.2	115.8	-	128.2	-	W	W
September 2015	4.4	75.7	-	139.6	-	W	W
Tennessee							
September 2016	10.0	1,333.7	-	213.5	-	W	W
August 2016	8.7	1,320.2	-	215.4	-	W	W
September 2015	11.2	1,275.3	-	208.8	-	W	W
Wisconsin							
September 2016	5.6	186.1	-	604.0	-	W	W
August 2016	10.0	225.2	-	519.5	-	W	W
September 2015	6.7	177.8	-	595.0	-	W	W
PAD District 3							
September 2016	77.4	13,321.2	-	12,533.5	W	W	2,490.1
August 2016	77.9	12,815.9	-	12,504.1	W	W	2,642.6
September 2015	76.2	13,360.4	-	11,095.5	W	W	3,264.3
Alabama							
September 2016	6.1	308.3	-	211.9	-	75.5	75.5
August 2016	6.7	301.8	-	192.5	-	W	W
September 2015	7.3	393.8	-	232.6	W	104.4	W
Arkansas							
September 2016	5.4	147.2	-	164.8	W	-	W
August 2016	5.5	154.6	-	148.6	-	-	-
September 2015	6.5	120.2	-	177.6	-	-	-
Louisiana							
September 2016	5.5	2,855.7	-	1,702.1	-	578.4	578.4
August 2016	8.6	2,441.6	-	2,489.9	W	W	705.6
September 2015	8.2	3,506.3	-	2,298.4	-	622.3	622.3
Mississippi							
September 2016	5.0	1,658.4	-	207.9	-	W	W
August 2016	4.3	1,334.3	-	259.3	-	W	W
September 2015	5.5	843.9	-	237.3	-	W	W
New Mexico							
September 2016	3.8	127.7	-	146.7	-	-	-
August 2016	6.3	138.6	-	140.1	-	-	-
September 2015	5.3	116.8	-	137.5	-	-	-
Texas							
September 2016	51.7	8,224.0	-	10,100.1	W	W	1,797.5
August 2016	46.5	8,445.0	-	9,273.6	W	W	1,882.3
September 2015	43.4	8,379.3	-	8,012.0	W	W	2,473.6

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil: Sulfur less than or equal to 1%	Residual fuel oil: Sulfur greater than 1%	Total residual fuel oil
PAD District 4							
September 2016	29.4	1,970.8	W	1,029.9	W	-	W
August 2016	42.0	2,159.9	W	964.0	W	-	W
September 2015	34.7	2,031.1	W	912.1	W	-	W
Colorado							
September 2016	10.1	950.2	-	343.4	-	-	-
August 2016	12.1	1,009.9	-	304.8	-	-	-
September 2015	13.2	959.7	-	336.5	-	-	-
Idaho							
September 2016	6.1	98.6	-	99.9	-	-	-
August 2016	10.1	149.5	-	92.0	-	-	-
September 2015	4.8	95.3	-	75.4	-	-	-
Montana							
September 2016	W	100.2	-	243.9	-	-	-
August 2016	6.9	149.2	-	191.9	-	-	-
September 2015	4.6	106.2	-	173.2	-	-	-
Utah							
September 2016	6.5	765.3	W	130.7	-	-	-
August 2016	8.9	770.1	W	126.1	-	-	-
September 2015	8.8	813.8	W	91.6	-	-	-
Wyoming							
September 2016	W	56.6	-	212.0	W	-	W
August 2016	4.0	81.2	-	249.3	W	-	W
September 2015	3.2	56.1	-	235.4	W	-	W
PAD District 5							
September 2016	102.1	18,911.4	-	2,464.3	1,076.8	3,837.3	4,914.1
August 2016	215.7	21,193.5	-	2,251.9	914.7	3,764.4	4,679.1
September 2015	103.8	19,341.3	-	2,213.2	1,076.9	3,512.0	4,588.9
Alaska							
September 2016	W	1,935.8	-	28.7	-	-	-
August 2016	W	2,004.5	-	23.7	-	-	-
September 2015	W	1,998.2	-	W	-	-	-
Arizona							
September 2016	15.2	470.5	-	278.1	-	-	-
August 2016	16.3	495.8	-	287.8	-	-	-
September 2015	15.9	315.9	-	173.2	-	-	-
California							
September 2016	52.9	12,004.7	-	1,279.3	W	W	2,564.5
August 2016	158.1	13,163.5	-	1,146.9	W	W	2,388.5
September 2015	56.1	11,987.5	-	1,314.5	W	W	2,187.6
Hawaii							
September 2016	W	1,168.8	-	W	W	W	1,246.6
August 2016	W	1,496.1	-	W	W	W	W
September 2015	W	1,385.6	-	W	W	W	1,215.8
Nevada							
September 2016	W	663.4	-	W	-	-	-
August 2016	W	692.0	-	W	-	-	-
September 2015	W	567.7	-	63.9	-	-	-
Oregon							
September 2016	12.4	504.4	-	164.4	-	-	-
August 2016	17.9	612.6	-	139.4	-	-	-
September 2015	12.1	527.4	-	156.0	-	W	W
Washington							
September 2016	11.0	2,163.7	-	628.3	-	1,103.0	1,103.0
August 2016	14.0	2,729.0	-	580.1	-	W	W
September 2015	9.1	2,559.1	-	470.7	-	W	W

- = No data reported.
NA = Not available.
W = Withheld to avoid disclosure of individual company data.
[a] Includes No. 4 fuel oil and No. 4 diesel fuel.
Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.
Sources: - U.S. Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state

thousand gallons per day

Geographic area month	Kerosene	No. 1 distillate	No. 2 distillate					Total distillate and kerosene
				No. 2 diesel fuel				
			No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate	
United States								
September 2016	742.5	631.2	4,189.4	158,501.4	W	W	163,762.2	165,176.2
August 2016	783.9	327.8	2,980.3	158,139.0	W	W	162,228.5	163,378.9
September 2015	974.5	761.7	4,719.0	161,735.9	56.4	1,457.4	167,968.5	169,757.7
PAD District 1								
September 2016	116.9	W	3,901.2	38,473.1	-	222.3	42,596.6	42,852.3
August 2016	W	33.5	2,613.6	39,114.8	-	192.7	41,921.1	42,127.8
September 2015	191.4	W	4,494.1	37,796.1	-	244.5	42,534.8	42,844.3
Subdistrict 1A								
September 2016	W	W	1,629.3	W	-	W	5,275.1	5,335.9
August 2016	W	23.3	1,042.7	W	-	W	4,608.3	4,652.0
September 2015	62.6	W	1,888.1	W	-	W	5,604.2	5,722.1
Connecticut								
September 2016	W	W	368.8	742.9	-	-	1,111.7	1,117.9
August 2016	W	W	258.6	751.3	-	-	1,009.9	1,030.6
September 2015	W	W	427.1	860.2	-	-	1,287.3	1,332.2
Maine								
September 2016	33.5	W	369.2	W	-	W	1,036.9	1,072.1
August 2016	10.6	W	202.4	W	-	W	865.8	876.9
September 2015	43.5	W	407.5	W	-	W	1,064.5	1,109.3
Massachusetts								
September 2016	0.9	W	415.3	W	-	W	1,686.2	1,689.0
August 2016	1.6	W	253.9	W	-	W	1,483.2	1,486.4
September 2015	4.4	W	490.7	W	-	W	1,676.4	1,682.8
New Hampshire								
September 2016	6.1	W	189.7	330.6	-	-	520.3	528.3
August 2016	3.5	W	122.5	331.5	-	-	454.1	459.5
September 2015	10.3	W	242.7	397.4	-	-	640.1	651.4
Rhode Island								
September 2016	W	W	163.4	372.0	-	-	535.4	535.9
August 2016	W	-	119.8	W	-	W	492.7	493.2
September 2015	W	W	196.0	W	-	W	578.2	579.1
Vermont								
September 2016	2.8	W	122.9	261.8	-	-	384.7	392.6
August 2016	0.6	W	85.5	217.1	-	-	302.6	305.5
September 2015	3.0	W	124.1	233.6	-	-	357.7	367.3
Subdistrict 1B								
September 2016	48.8	W	2,240.8	13,705.1	-	157.5	16,103.4	16,188.7
August 2016	111.1	W	1,522.3	13,592.7	-	142.1	15,257.1	15,399.9
September 2015	W	9.3	2,534.7	13,551.6	-	172.8	16,259.0	16,371.9
Delaware								
September 2016	W	-	W	240.1	-	W	W	260.5
August 2016	W	-	W	W	-	-	W	290.7
September 2015	W	-	W	356.0	-	W	W	384.4
District of Columbia								
September 2016	-	-	W	W	-	-	45.2	45.2
August 2016	-	-	W	W	-	-	51.8	51.8
September 2015	-	-	W	W	-	-	47.8	47.8
Maryland								
September 2016	W	-	149.6	1,633.1	-	W	W	1,788.5
August 2016	W	-	91.7	1,701.9	-	W	W	1,798.2
September 2015	W	-	199.8	1,746.5	-	W	W	1,952.8
New Jersey								
September 2016	W	-	697.5	3,629.2	-	W	W	4,370.8
August 2016	W	-	325.8	3,534.3	-	W	W	3,953.2
September 2015	W	W	448.2	W	-	W	3,724.4	3,741.6
New York								
September 2016	19.3	W	805.2	W	-	W	4,130.0	4,184.9
August 2016	W	4.0	674.1	W	-	W	3,928.7	4,009.1
September 2015	35.7	W	856.7	W	-	W	4,150.1	4,229.5
Pennsylvania								
September 2016	W	W	570.8	W	-	W	5,513.4	5,538.9
August 2016	W	W	414.0	W	-	W	5,292.3	5,296.8
September 2015	W	W	1,005.5	W	-	W	6,008.4	6,015.8

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Kerosene	No. 1 distillate	No. 2 distillate					Total distillate and kerosene
				No. 2 diesel fuel				
			No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate	
Subdistrict 1C								
September 2016	W	W	31.0	W	-	W	21,218.1	21,327.6
August 2016	W	W	48.6	W	-	W	22,055.8	22,076.0
September 2015	W	W	71.3	W	-	W	20,671.5	20,750.3
Florida								
September 2016	W	W	-	W	-	W	5,747.3	5,747.5
August 2016	W	-	-	5,897.8	-	W	W	5,927.1
September 2015	-	W	-	5,260.2	-	W	W	5,291.7
Georgia								
September 2016	W	W	-	W	-	W	4,603.4	4,605.0
August 2016	W	W	-	W	-	W	4,902.2	4,902.9
September 2015	W	W	-	W	-	W	4,541.3	4,543.3
North Carolina								
September 2016	W	W	W	W	-	-	3,570.0	3,585.5
August 2016	W	W	W	W	-	-	3,685.6	3,696.5
September 2015	W	W	W	W	-	-	3,581.2	3,625.9
South Carolina								
September 2016	W	-	-	2,660.5	-	W	W	2,663.2
August 2016	W	-	W	2,835.7	-	W	W	2,857.7
September 2015	3.6	-	-	W	-	W	2,495.6	2,499.2
Virginia								
September 2016	W	W	21.4	W	-	W	3,633.1	3,722.5
August 2016	W	W	26.2	3,572.8	-	-	3,599.0	3,606.3
September 2015	W	W	61.4	W	-	W	3,613.4	3,637.9
West Virginia								
September 2016	W	W	W	W	-	-	W	1,004.0
August 2016	W	W	2.5	W	-	-	W	1,085.4
September 2015	W	W	W	W	-	-	W	1,152.3
PAD District 2								
September 2016	W	145.2	44.6	W	W	-	51,992.8	52,178.8
August 2016	W	91.3	61.6	50,345.1	W	W	50,476.3	50,603.8
September 2015	W	160.3	79.1	W	W	-	54,857.3	55,066.0
Illinois								
September 2016	0.6	5.7	-	6,363.9	-	-	6,363.9	6,370.1
August 2016	1.6	4.1	-	5,923.8	-	-	5,923.8	5,929.6
September 2015	1.9	4.8	-	6,704.7	-	-	6,704.7	6,711.4
Indiana								
September 2016	W	W	W	W	-	-	4,709.6	4,714.5
August 2016	W	W	W	W	-	-	4,719.3	4,723.0
September 2015	W	W	W	W	-	-	5,400.4	5,408.5
Iowa								
September 2016	1.8	9.6	W	W	-	-	3,146.0	3,157.4
August 2016	1.1	11.3	W	W	-	-	2,749.8	2,762.2
September 2015	W	W	W	W	-	-	3,022.5	3,047.9
Kansas								
September 2016	W	W	-	2,934.7	-	-	2,934.7	2,951.6
August 2016	W	W	-	W	-	-	2,994.9	3,008.5
September 2015	W	W	-	3,319.0	-	-	3,319.0	3,336.7
Kentucky								
September 2016	W	W	W	W	-	-	2,811.4	2,823.3
August 2016	W	-	W	W	-	-	2,697.6	2,707.9
September 2015	W	W	W	W	-	-	2,755.7	2,767.0
Michigan								
September 2016	W	W	W	W	-	-	3,322.8	3,333.8
August 2016	W	W	W	3,222.9	-	W	3,292.5	3,305.5
September 2015	W	W	W	W	-	-	3,345.0	3,356.9
Minnesota								
September 2016	6.7	25.6	W	W	-	-	2,866.0	2,898.3
August 2016	5.5	16.1	W	W	-	-	2,676.0	2,697.6
September 2015	4.0	29.1	W	W	-	-	3,074.3	3,107.4
Missouri								
September 2016	W	W	W	W	-	-	3,663.4	3,664.2
August 2016	W	W	W	W	-	-	3,450.9	3,452.1
September 2015	W	W	W	W	-	-	3,528.8	3,529.7

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Kerosene	No. 1 distillate	No. 2 distillate					Total distillate and kerosene
				No. 2 diesel fuel				
			No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate	
PAD District 2 (cont.)								
Nebraska								
September 2016	-	10.9	W	W	-	-	2,207.8	2,218.7
August 2016	-	4.0	W	W	-	-	2,303.4	2,307.4
September 2015	-	10.1	W	W	-	-	2,148.7	2,158.8
North Dakota								
September 2016	W	W	W	W	-	-	1,933.4	1,972.3
August 2016	W	W	W	W	-	-	2,135.2	2,145.9
September 2015	W	W	W	W	-	-	2,279.7	2,314.3
Ohio								
September 2016	W	W	W	W	W	-	5,769.6	5,779.9
August 2016	W	W	-	W	W	-	5,477.5	5,489.8
September 2015	W	W	W	W	W	-	6,013.7	6,028.6
Oklahoma								
September 2016	W	W	W	W	-	-	4,594.4	4,598.1
August 2016	W	W	W	W	-	-	4,651.5	4,655.4
September 2015	W	W	W	W	-	-	5,620.6	5,626.5
South Dakota								
September 2016	-	12.2	W	W	-	-	1,037.8	1,050.0
August 2016	-	2.8	W	W	-	-	865.2	868.1
September 2015	-	10.8	W	W	-	-	959.4	970.2
Tennessee								
September 2016	W	W	-	3,681.4	-	-	3,681.4	3,684.7
August 2016	W	W	-	3,631.4	-	-	3,631.4	3,633.5
September 2015	W	W	-	3,678.8	-	-	3,678.8	3,686.7
Wisconsin								
September 2016	2.9	8.5	W	W	-	-	2,950.6	2,962.0
August 2016	4.7	5.1	W	W	-	-	2,907.4	2,917.2
September 2015	2.8	6.6	W	W	-	-	3,006.1	3,015.5
PAD District 3								
September 2016	W	W	200.3	37,159.1	W	W	37,587.3	38,161.5
August 2016	W	W	253.6	35,713.8	W	W	36,186.3	36,792.1
September 2015	720.5	-	106.8	38,041.1	W	W	38,367.1	39,087.6
Alabama								
September 2016	W	-	-	2,956.7	-	W	W	2,988.5
August 2016	W	-	-	2,713.6	-	W	W	2,723.5
September 2015	W	-	-	2,775.0	W	W	W	2,809.5
Arkansas								
September 2016	-	-	W	W	-	-	2,112.6	2,112.6
August 2016	-	-	W	W	-	-	2,062.3	2,062.3
September 2015	-	-	W	W	-	-	2,085.9	2,085.9
Louisiana								
September 2016	W	W	W	W	-	W	6,734.9	7,296.1
August 2016	W	W	W	W	-	W	W	6,232.4
September 2015	W	-	-	6,086.2	-	W	W	6,832.0
Mississippi								
September 2016	W	-	-	2,431.8	-	W	W	2,433.8
August 2016	-	-	-	W	-	W	2,181.1	2,181.1
September 2015	-	-	W	W	-	W	2,521.1	2,521.1
New Mexico								
September 2016	W	W	-	1,813.1	-	-	1,813.1	1,813.3
August 2016	-	-	-	1,798.0	-	-	1,798.0	1,798.0
September 2015	W	-	-	W	-	-	W	1,924.9
Texas								
September 2016	2.8	-	160.8	21,214.9	W	W	21,514.3	21,517.1
August 2016	W	W	W	21,465.8	W	W	21,792.5	21,794.8
September 2015	W	-	-	22,755.1	W	149.6	W	22,914.1

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Kerosene	No. 1 distillate	No. 2 distillate					Total distillate and kerosene
			No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
PAD District 4								
September 2016	W	43.1	W	W	-	-	8,894.3	8,937.6
August 2016	-	W	W	W	-	-	9,396.5	9,417.0
September 2015	W	W	W	W	-	-	9,161.3	9,239.4
Colorado								
September 2016	-	7.5	-	2,394.1	-	-	2,394.1	2,401.6
August 2016	-	6.5	-	2,501.1	-	-	2,501.1	2,507.5
September 2015	-	10.8	-	2,220.0	-	-	2,220.0	2,230.8
Idaho								
September 2016	-	3.9	W	W	-	-	1,402.3	1,406.1
August 2016	-	1.7	-	1,540.8	-	-	1,540.8	1,542.5
September 2015	W	W	W	W	-	-	1,552.4	1,556.0
Montana								
September 2016	-	15.3	W	W	-	-	1,732.3	1,747.6
August 2016	-	6.3	W	W	-	-	1,879.0	1,885.3
September 2015	-	46.3	W	W	-	-	1,632.3	1,678.5
Utah								
September 2016	W	5.9	W	W	-	-	1,861.7	1,867.7
August 2016	-	W	W	W	-	-	2,038.2	2,042.8
September 2015	W	10.5	W	W	-	-	1,995.8	2,006.5
Wyoming								
September 2016	-	10.6	-	W	-	-	1,504.0	1,514.6
August 2016	-	1.4	-	W	-	-	1,437.5	1,438.8
September 2015	-	6.8	-	W	-	-	1,760.8	1,767.6
PAD District 5								
September 2016	W	W	W	W	W	588.7	22,691.3	23,046.1
August 2016	8.5	181.6	W	W	W	606.6	24,248.0	24,438.1
September 2015	21.8	450.5	W	W	W	W	23,048.0	23,520.3
Alaska								
September 2016	-	W	W	W	-	W	W	W
August 2016	-	W	W	W	-	W	W	814.6
September 2015	-	382.3	W	454.1	-	W	501.7	884.0
Arizona								
September 2016	-	-	-	2,724.5	-	-	2,724.5	2,724.5
August 2016	-	-	-	2,737.9	-	-	2,737.9	2,737.9
September 2015	-	-	-	2,836.6	-	-	2,836.6	2,836.6
California								
September 2016	W	W	-	W	-	W	11,602.5	11,697.1
August 2016	W	W	-	W	-	W	12,689.9	12,727.1
September 2015	W	W	-	W	-	W	11,890.1	11,940.0
Hawaii								
September 2016	-	-	-	279.8	W	371.1	W	W
August 2016	-	-	-	289.8	W	W	624.7	624.7
September 2015	-	-	-	W	W	522.9	844.4	844.4
Nevada								
September 2016	W	W	W	W	-	-	1,473.4	1,477.0
August 2016	W	W	W	W	-	-	W	1,463.4
September 2015	W	W	W	W	-	-	1,443.8	1,447.4
Oregon								
September 2016	W	W	-	W	-	W	2,337.5	2,345.6
August 2016	W	W	-	2,420.9	-	-	2,420.9	2,421.4
September 2015	W	W	-	W	-	W	2,054.8	2,085.2
Washington								
September 2016	-	4.6	W	3,429.3	-	W	3,485.7	3,490.3
August 2016	-	2.0	-	W	-	W	3,646.9	3,649.0
September 2015	-	6.2	W	3,351.0	-	W	3,476.5	3,482.7

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: - Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil (published on Table 46). - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

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