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Preface

The *Petroleum Marketing Monthly* (PMM) provides information and statistical data on a variety of crude oils and refined petroleum products. The publication presents statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the f.o.b. and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Refined petroleum product sales data include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. The 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.
- Beginning with the November 2017 data release, due to the increase of crude oil activity in the North Dakota region, EIA replaced the North Dakota Sweet Crude Stream on the EIA-182, Domestic Crude Oil First Purchase Report with the predominant North Dakota Bakken Crude Stream to provide an accurate price estimate for an important high volume crude stream regularly traded in domestic crude oil markets.

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Highlights

Crude oil

- September monthly average crude oil prices mostly increased from August levels. The average domestic crude oil first purchase price rose 91 cents (1.5%), to \$63.55 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil increased \$1.51 (2.5%) to \$62.45 per barrel, while the average landed cost of foreign crude oil fell 19 cents (0.3%), to \$63.42 per barrel.
- The average refiner acquisition cost for domestic crude oil climbed \$1.59 (2.3%), to \$71.04 per barrel. The average cost of imported crude oil increased 94 cents (1.4%), to \$66.42 per barrel. The composite refiner acquisition cost for crude oil rose \$1.47 (2.2%), to \$69.15 per barrel.

Petroleum products

Motor gasoline

- Prices for refiner sales of motor gasoline rose in September. The average retail price increased 0.4 cent to \$2.428 per gallon, while the average wholesale price rose 1.8 cents to \$2.136 per gallon.
- Sales of finished motor gasoline by refiners fell in September. Total sales declined 10.0 million gallons per day (2.9%) to an average of 329.9 million gallons per day. Retail sales dropped 1.0 million gallons per day (3.9%), while wholesales fell 9.0 million gallons per day (2.9%). DTW sales accounted for 7.2% of wholesales, while rack and bulk sales made up 85.4% and 7.4%, 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 6.3 cents to \$2.390 per gallon, while the average wholesale price climbed 7.9 cents to \$2.282 per gallon. The average wholesale price for No. 2 fuel oil rose 10.0 cents to \$2.214 per gallon.
- Refiner sales of No. 2 ultra-low sulfur diesel decreased 4.4 million gallons per day (2.6%) to 165.8 million gallons per day in September. Retail sales declined 400,000 gallons per day (3.1%), while wholesales fell 4.0 million gallons per day (2.5%).

Residual Fuel Oil

- Monthly average prices for refiner sales of residual fuel oil increased during September. The wholesale price for low-sulfur residual fuel oil rose 2.1 cents to \$1.520 per gallon. The price for high-sulfur residual fuel oil increased 1.4 cents to \$1.694 per gallon at retail, while the wholesale price rose 0.9 cent to \$1.561 per gallon.
- Refiner residual fuel oil sales increased to 11.4 million gallons per day in September. Retail sales rose 400,000 per day (12.5%), while wholesales increased 200,000 gallons per day (2.6%).

Other products

- Refiner prices for the remaining surveyed products generally rose during September. Propane and kerosene-type jet fuel prices increased in both the retail and wholesale categories, while prices for kerosene fell at retail, but increased at wholesale. Aviation gasoline and No. 1 distillate prices increased at the wholesale level.
- Refiner sales of kerosene-type jet fuel and propane fell at both the retail and wholesale levels during September, while kerosene sales show the opposite trend. Aviation gasoline sales fell at wholesale, while No. 1 distillate sales rose in the same category.

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

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

Products	Sales to end users						Sales for resale					
	September 2018		August 2018		September 2017		September 2018		August 2018		September 2017	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	2.428	24.4	2.421	25.4	2.154	24.6	2.136	305.5	2.118	314.5	1.826	302.5
Conventional	2.313	14.9	2.314	15.6	2.059	15.2	2.091	207.6	2.079	213.2	1.786	206.1
Regular	2.263	13.2	2.264	13.8	2.011	13.4	2.056	186.2	2.041	190.3	1.748	184.5
Midgrade	2.536	0.8	2.535	0.8	2.273	0.8	2.266	1.4	2.254	1.5	1.954	1.5
Premium	2.796	1.0	2.798	1.0	2.514	1.1	2.409	20.0	2.403	21.4	2.128	20.1
Reformulated	2.610	9.5	2.593	9.7	2.309	9.3	2.230	97.9	2.200	101.3	1.911	96.4
Regular	2.511	7.0	2.499	7.2	2.213	6.9	2.179	81.7	2.153	84.7	1.857	80.1
Midgrade	2.791	0.9	2.764	1.0	2.473	0.9	2.360	0.7	2.301	0.7	2.021	0.8
Premium	2.953	1.5	2.925	1.6	2.640	1.5	2.494	15.6	2.445	15.9	2.184	15.5
Aviation gasoline	W	W	W	W	W	W	3.122	0.4	3.085	0.5	2.893	0.5
Kerosene-type jet fuel	2.256	32.1	2.183	33.3	1.795	30.4	2.214	40.2	2.148	43.3	1.771	39.6
Propane (consumer grade)	1.062	3.7	0.989	4.4	0.895	4.9	0.951	20.8	0.907	21.9	0.864	27.2
Kerosene	3.189	0.0	3.272	0.0	2.703	0.0	2.246	1.8	2.169	1.2	1.809	0.8
No. 1 distillate	W	W	W	W	2.382	0.1	2.549	0.4	2.485	0.2	2.207	0.3
No. 2 distillate	2.391	13.4	2.327	13.4	1.959	12.4	2.280	161.1	2.201	162.7	1.841	155.6
No. 2 fuel oil	NA	NA	2.499	0.0	2.044	0.1	2.214	4.7	2.114	3.3	1.668	5.5
No. 2 diesel fuel	2.390	13.3	2.327	13.4	1.959	12.4	2.282	156.4	2.203	159.4	1.847	150.2
Ultra low sulfur	2.400	12.7	2.330	13.1	1.963	12.0	2.284	153.1	2.205	157.1	1.854	145.8
Low sulfur	W	W	W	W	W	W	W	W	W	W	1.617	3.4
High sulfur	W	W	W	W	W	W	W	W	W	W	1.627	1.0
No. 4 fuel[a]	-	-	-	-	W	W	W	W	W	W	W	W
Residential fuel oil	1.761	3.6	1.764	3.2	1.314	4.1	1.560	7.8	1.549	7.6	1.138	7.8
Sulfur content not > 1%	W	W	W	W	W	W	1.520	0.2	1.499	0.5	1.150	0.7
Sulfur content > 1%	1.694	W	1.680	W	1.295	W	1.561	7.6	1.552	7.1	1.137	7.2

NA = Not available.

- = No data reported.

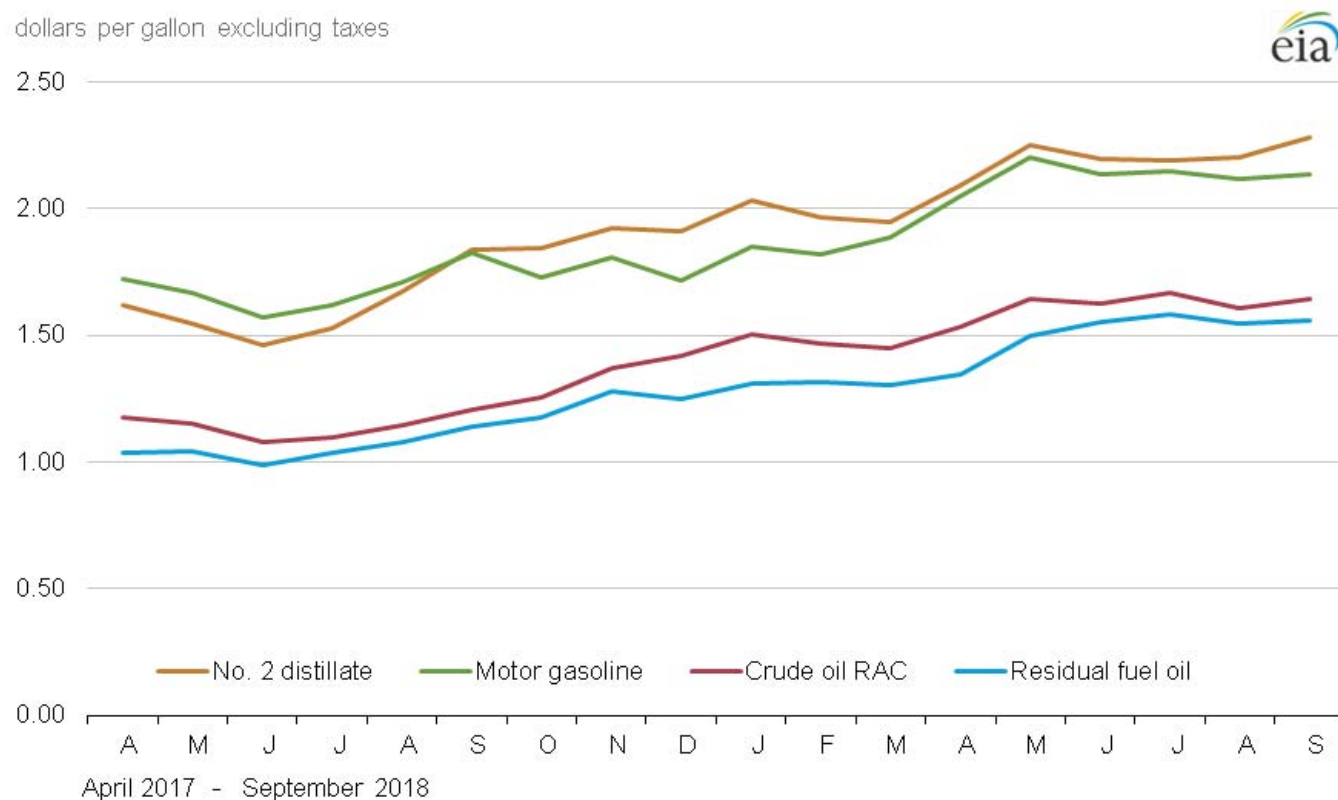
W = Withheld to avoid disclosure of individual company data.

[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 2017 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
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 average	87.39	85.65	88.16	94.05	89.56	92.02
2015 average	44.39	41.91	45.38	49.94	46.38	48.39
2016 average	38.29	36.37	38.56	42.41	38.75	40.66
2017						
January	48.19	44.62	47.05	51.81	48.12	49.99
February	49.41	45.91	48.08	53.15	49.38	51.24
March	46.39	44.09	46.26	50.60	46.53	48.65
April	47.23	43.60	46.00	51.34	47.47	49.47
May	45.19	43.92	46.15	49.58	47.21	48.47
June	42.17	41.34	43.85	46.26	44.03	45.25
July	43.42	42.09	44.82	47.59	44.76	46.27
August	44.96	44.18	46.93	48.76	47.62	48.22
September	47.17	46.50	49.80	51.07	50.46	50.78
October	49.12	47.22	51.11	53.71	51.40	52.67
November	55.19	52.11	56.10	58.92	56.30	57.75
December	56.98	53.68	56.96	61.10	57.44	59.53
2017 average	48.05	45.58	48.50	52.05	49.12	50.68
2018						
January	62.25	55.73	58.19	66.08	59.39	63.13
February	61.20	53.42	56.73	64.68	57.94	61.71
March	60.68	53.35	56.32	64.03	56.75	60.80
April	63.50	58.53	60.61	67.14	61.25	64.42
May	66.16	62.95	65.15	71.31	66.08	69.00
June	62.80	63.09	65.48	69.55	66.85	68.31
July	67.00	R62.35	R65.43	73.31	66.77	70.28
August	R62.64	R60.94	R63.61	R69.45	R65.48	R67.68
September	63.55	62.45	63.42	R71.04	R66.42	R69.15
October[c]	NA	NA	NA	E72.04	E63.61	E68.14

NA = Not available.

E = Estimated data.

R = Revised data.

[a] Free on Board. See Glossary.

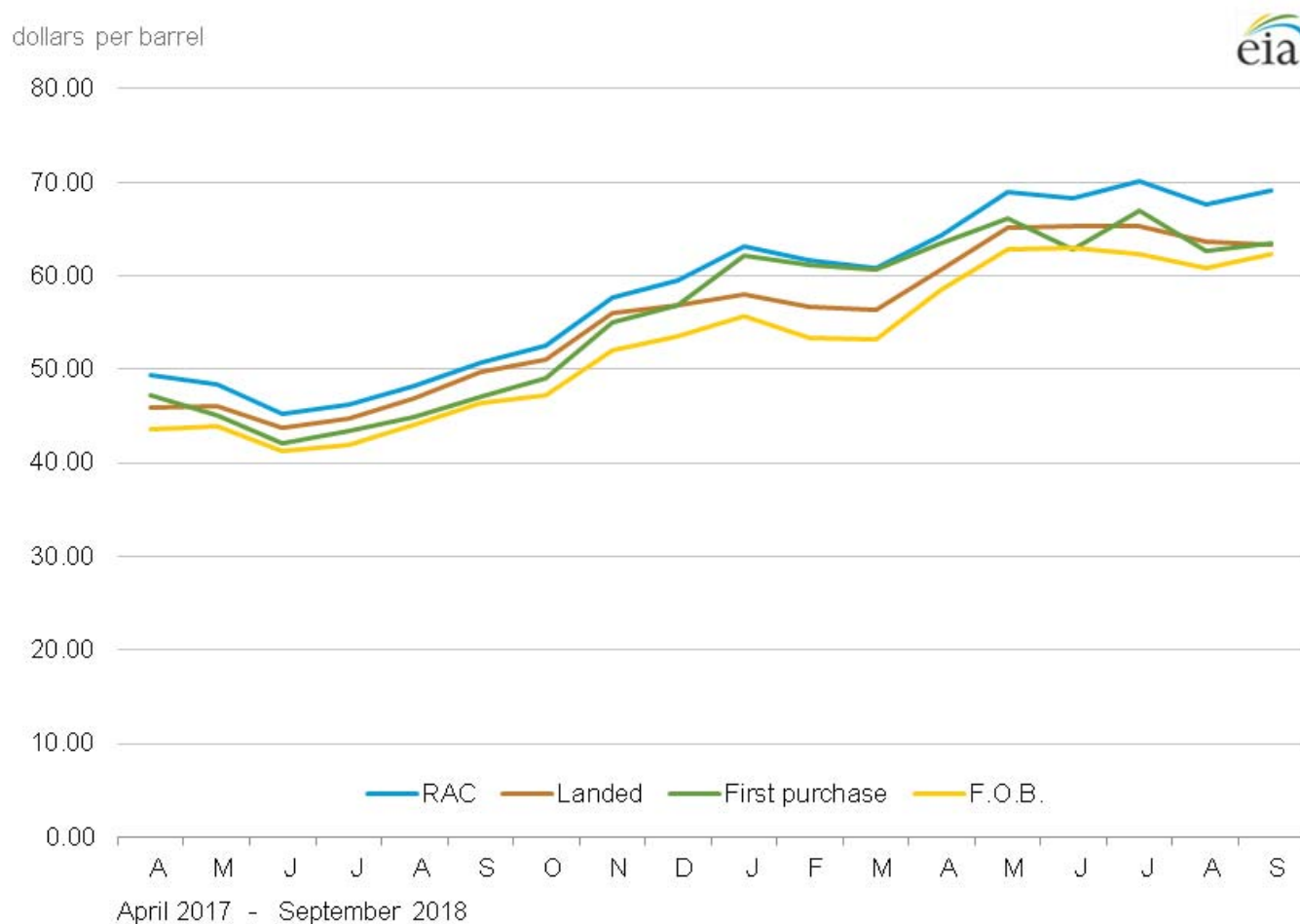
[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

[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 November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. 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 2017 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

Year month	U.S.			PAD District 1			PAD District 2		
	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	94.05	89.56	92.02	96.95	96.51	96.70	93.08	81.66	87.51
2015	49.94	46.38	48.39	52.60	50.40	51.37	49.33	42.70	46.13
2016	42.41	38.75	40.66	44.58	42.54	43.00	43.76	36.19	39.95
2017									
January	51.81	48.12	49.99	55.35	52.87	53.34	52.83	44.53	48.26
February	53.15	49.38	51.24	55.90	52.80	53.29	53.56	46.04	49.59
March	50.60	46.53	48.65	55.85	51.98	52.62	50.84	42.91	46.64
April	51.34	47.47	49.47	54.99	51.26	51.64	51.93	44.10	48.06
May	49.58	47.21	48.47	54.64	50.66	51.17	49.72	44.65	47.27
June	46.26	44.03	45.25	52.47	47.87	48.38	46.39	41.59	44.14
July	47.59	44.76	46.27	54.32	48.41	48.92	47.81	42.13	44.99
August	48.76	47.62	48.22	56.03	50.70	51.02	49.34	44.57	46.95
September	51.07	50.46	50.78	56.14	54.06	54.24	51.08	45.39	48.22
October	53.71	51.40	52.67	58.25	55.31	55.55	53.16	45.71	49.59
November	58.92	56.30	57.75	62.13	60.85	61.00	58.26	50.75	54.69
December	61.10	57.44	59.53	64.57	63.94	64.04	59.64	50.87	55.54
2017	52.05	49.12	50.68	56.98	53.46	53.87	52.03	45.21	48.63
2018									
January	66.08	59.39	63.13	66.24	65.97	66.01	65.21	51.67	58.61
February	64.68	57.94	61.71	66.09	64.96	65.16	63.69	48.42	56.43
March	64.03	56.75	60.80	66.71	65.31	65.63	64.24	47.18	56.31
April	67.14	61.25	64.42	69.95	70.27	70.21	67.21	51.04	59.15
May	71.31	66.08	69.00	71.37	72.17	72.00	70.94	58.27	64.69
June	69.55	66.85	68.31	71.35	72.91	72.62	68.42	59.35	64.14
July	73.31	66.77	70.28	72.72	71.71	71.90	73.40	62.05	67.65
August	R69.45	R65.48	R67.68	72.07	72.03	72.04	69.20	58.09	64.13
September	R71.04	R66.42	R69.15	73.74	75.40	74.83	70.14	54.36	63.22

See footnotes at end of table.

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

dollars per barrel

Year month	PAD District 3			PAD District 4			PAD District 5		
	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	94.67	90.84	93.06	84.63	78.73	81.93	94.45	96.13	95.22
2015	50.16	46.49	48.75	44.77	39.73	42.28	50.30	50.91	50.59
2016	41.97	38.22	40.42	41.48	34.49	38.11	42.10	42.21	42.16
2017									
January	51.15	48.10	49.85	50.68	41.66	46.38	52.87	52.35	52.61
February	52.72	49.73	51.37	52.61	42.82	47.68	53.93	52.71	53.31
March	50.32	46.58	48.77	49.06	40.36	44.87	51.24	50.43	50.83
April	50.98	47.37	49.51	49.19	40.95	45.53	52.31	50.78	51.48
May	49.39	46.88	48.41	48.03	42.03	45.68	50.25	49.78	49.98
June	46.02	43.62	45.11	44.97	40.31	43.17	46.91	46.53	46.72
July	47.24	43.93	45.96	46.30	42.36	44.55	48.78	48.53	48.64
August	48.11	47.46	47.87	48.76	42.63	46.02	50.27	50.44	50.37
September	50.53	51.49	50.87	50.47	43.58	47.34	53.23	53.92	53.62
October	53.35	52.03	52.87	51.66	44.11	48.56	56.57	56.09	56.32
November	58.69	56.47	57.89	56.98	49.24	53.78	61.56	61.45	61.50
December	61.28	58.19	60.23	57.78	48.21	53.79	63.05	62.02	62.54
2017	51.74	49.12	50.73	50.43	43.05	47.19	53.44	52.77	53.08
2018									
January	66.00	61.15	64.23	63.61	47.53	56.04	68.59	66.23	67.50
February	64.83	60.66	63.32	60.99	43.15	53.36	66.70	64.23	65.47
March	63.43	58.65	61.64	61.80	42.31	53.23	66.74	64.27	65.38
April	66.59	63.43	65.39	64.52	45.53	56.14	69.83	67.99	68.89
May	70.66	67.10	69.43	68.34	54.97	63.22	75.58	73.75	74.62
June	69.28	67.69	68.68	65.51	56.58	61.50	74.53	73.54	73.96
July	73.40	67.85	71.29	68.56	57.79	63.67	74.24	70.45	72.15
August	R68.89	65.76	R67.77	R66.53	56.09	R61.96	73.81	R72.11	R72.81
September	70.38	69.92	70.22	69.11	47.78	59.76	75.91	74.03	74.93

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 2017 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. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
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	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	1.394	0.507	W	1.977	1.601	1.805	1.602	W	1.076
October	1.819	W	1.506	0.599	W	2.048	1.706	1.941	1.708	W	1.115
November	1.759	W	1.426	0.557	W	2.050	1.599	1.787	1.601	-	1.106
December	1.849	W	1.539	0.666	W	NA	1.718	1.997	1.721	-	1.230
2016	1.730	W	1.319	0.498	W	1.702	1.511	1.716	1.512	W	0.945
2017											
January	1.900	W	1.584	0.774	W	2.138	1.747	NA	1.750	W	1.309
February	1.862	W	1.615	0.814	W	2.190	1.755	2.033	1.757	W	1.291
March	1.904	W	1.554	0.657	W	2.142	1.699	1.909	1.701	W	1.239
April	1.997	W	1.595	0.652	W	W	1.747	2.081	1.748	W	1.201
May	1.963	W	1.492	0.650	2.637	W	1.693	NA	1.694	W	1.213
June	1.906	W	1.434	0.611	2.600	2.018	1.618	1.739	1.618	W	1.195
July	1.871	W	1.478	0.667	2.621	W	1.665	1.728	1.665	-	1.211
August	1.952	W	1.613	0.768	2.579	W	1.792	1.904	1.793	W	1.204
September	2.154	W	1.795	0.895	2.703	2.382	1.959	2.044	1.959	W	1.314
October	2.042	W	1.743	0.972	W	2.452	1.982	2.048	1.983	-	1.304
November	2.122	W	1.831	1.011	W	2.466	2.047	2.134	2.048	-	1.413
December	2.034	W	1.869	1.028	W	2.423	2.037	2.263	2.039	-	1.484
2017	1.976	W	1.629	0.772	W	2.230	1.811	2.010	1.813	W	1.287
2018											
January	2.108	W	2.012	0.971	W	2.506	2.144	2.206	2.145	-	1.507
February	2.127	W	1.970	0.948	W	2.510	2.107	2.365	2.110	-	1.490
March	2.160	W	1.924	0.842	W	2.566	2.076	2.484	2.078	-	1.452
April	2.315	W	2.080	0.839	W	W	2.201	2.486	2.202	-	1.504
May	2.494	W	2.221	0.916	3.219	W	2.368	2.478	2.368	-	1.667
June	2.469	W	2.196	0.883	3.292	W	2.340	2.413	2.341	-	1.731
July	2.442	W	2.176	0.956	W	W	2.316	2.436	2.316	-	1.767
August	R2.421	W	R2.183	R0.989	R3.272	W	R2.327	2.499	R2.327	-	R1.764
September	2.428	W	2.256	1.062	3.189	W	2.390	NA	2.391	-	1.761

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

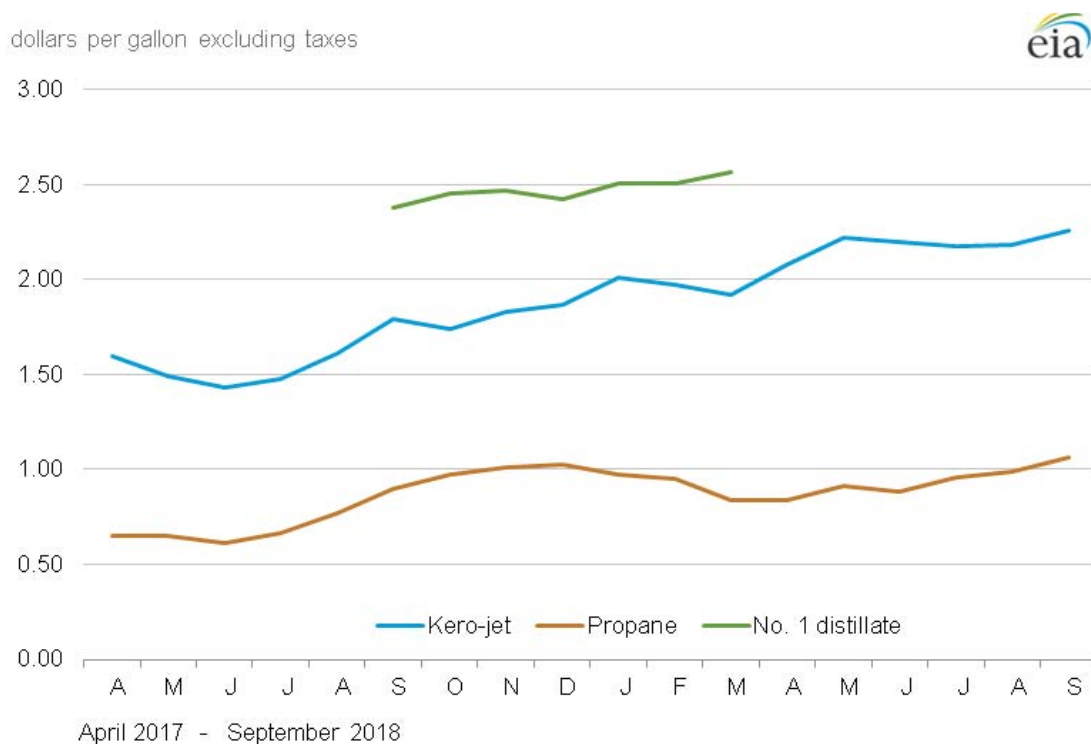
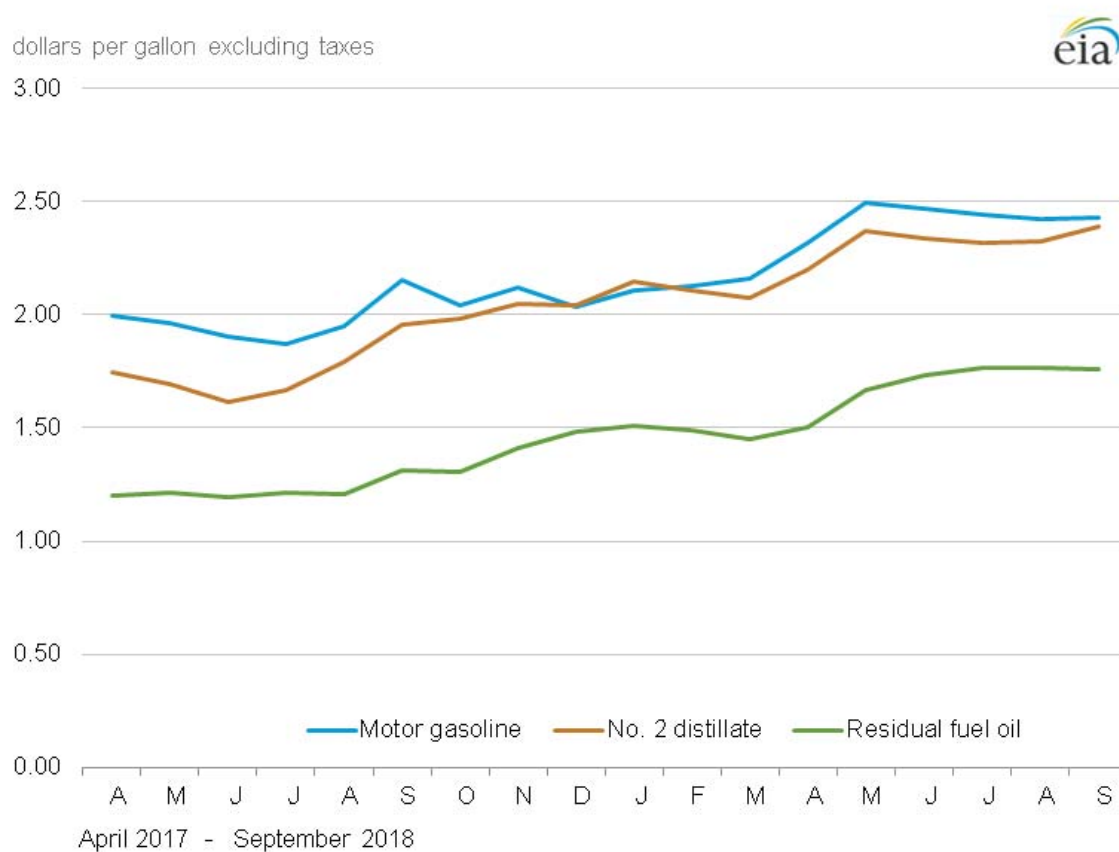
R = Revised data.

[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 2017 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. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
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	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	32.7	6.9	W	0.0	13.6	0.1	13.7	W	4.4
September	26.4	W	32.2	6.3	W	0.0	13.2	0.1	13.3	W	4.7
October	25.9	W	30.2	5.0	W	0.1	13.1	0.1	13.2	W	4.4
November	24.6	W	31.6	5.3	W	0.1	13.2	0.2	13.3	-	4.0
December	24.1	W	31.3	6.4	W	NA	11.9	0.1	12.0	-	4.2
2016	25.6	W	31.2	6.1	W	0.1	12.6	0.1	12.7	W	4.2
2017											
January	22.9	W	28.7	5.7	W	0.1	12.2	NA	12.4	W	3.9
February	23.8	W	30.6	6.4	W	0.1	12.0	0.1	12.1	W	4.4
March	24.5	W	33.1	5.1	W	0.1	12.8	0.1	12.9	W	4.6
April	24.3	W	30.9	5.8	W	W	12.0	0.1	12.0	W	3.8
May	24.9	W	31.6	6.7	0.0	W	12.4	NA	12.5	W	3.8
June	25.7	W	33.2	5.0	0.0	0.0	12.3	0.0	12.3	W	3.7
July	24.8	W	32.7	5.0	0.0	W	12.0	0.1	12.1	-	3.4
August	25.2	W	32.1	5.8	0.0	W	12.7	0.1	12.8	W	3.7
September	24.6	W	30.4	4.9	0.0	0.1	12.4	0.1	12.4	W	4.1
October	24.9	W	29.5	3.9	W	0.1	12.3	0.1	12.4	-	3.5
November	24.3	W	30.4	4.4	W	0.1	12.7	0.2	12.9	-	4.3
December	24.1	W	28.8	3.1	W	0.1	11.4	0.1	11.5	-	4.6
2018											
January	22.5	W	29.1	3.5	W	0.1	11.7	0.3	12.0	-	3.7
February	23.4	W	27.8	3.2	W	0.1	11.8	0.1	12.0	-	3.6
March	24.1	W	31.7	3.4	W	0.1	12.7	0.1	12.8	-	3.6
April	23.8	W	29.9	4.3	W	W	13.0	0.0	13.0	-	3.5
May	24.3	W	32.0	3.0	0.0	W	12.2	0.1	12.3	-	3.2
June	25.1	W	31.3	3.3	0.0	W	11.5	0.1	11.6	-	3.0
July	24.6	W	33.2	3.1	W	W	12.4	0.1	12.4	-	3.5
August	25.4	W	33.3	R4.4	0.0	W	R13.4	0.0	13.4	-	3.2
September	24.4	W	32.1	3.7	0.0	W	13.3	NA	13.4	-	3.6

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

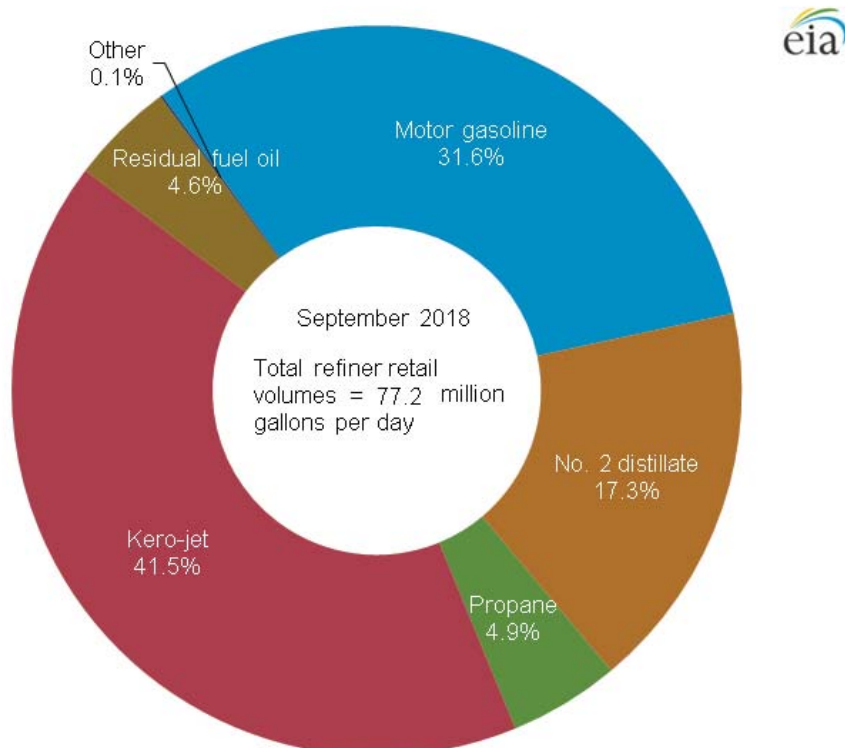
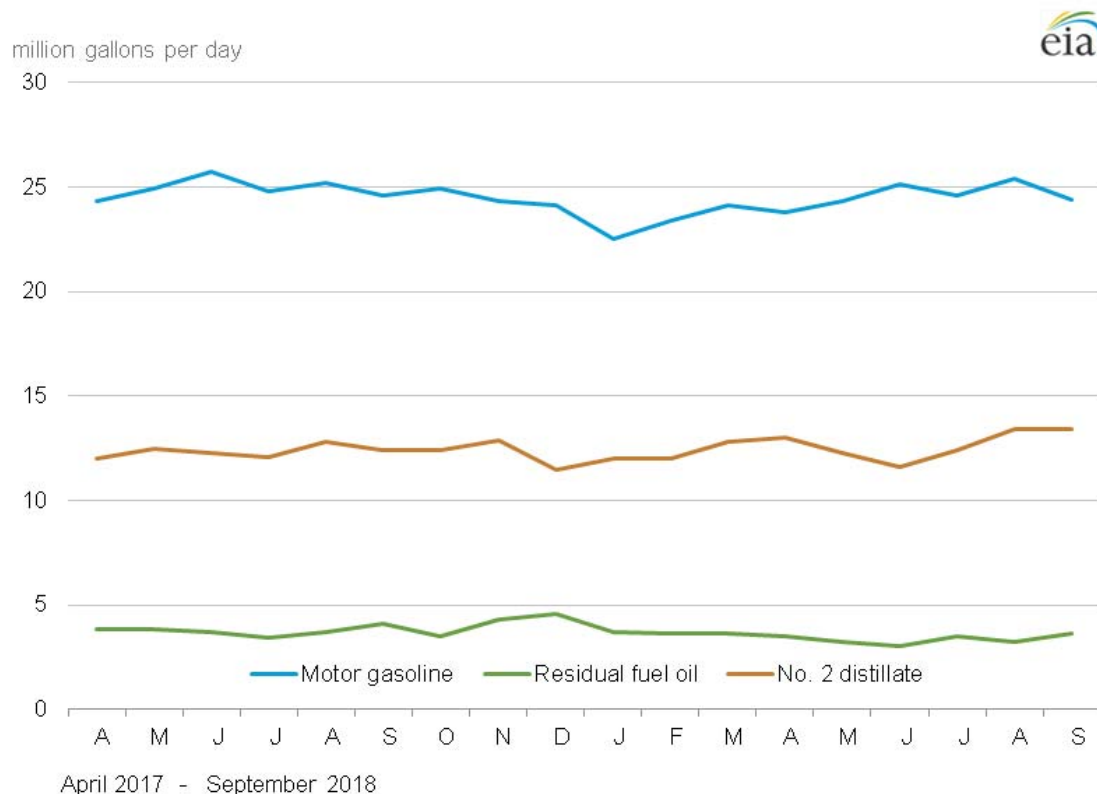
R = Revised data.

[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 2017 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

				Propane (consumer grade)		No. 2 distillate					
Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel		Kerosene	No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	Residual fuel oil
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	0.70	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	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	0.453	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	1.466	W	0.854
October	1.568	2.551	1.471	0.608	1.580	1.842	1.592	1.443	1.584	W	0.938
November	1.427	2.433	1.406	0.588	1.485	1.672	1.469	1.386	1.464	W	0.908
December	1.585	2.462	1.511	0.703	1.685	1.851	1.606	1.507	1.597	W	1.030
2016	1.454	2.404	1.295	0.523	1.383	1.589	1.378	1.239	1.370	0.956	0.745
2017											
January	1.627	2.614	1.561	0.788	1.761	1.964	1.636	1.560	1.629	W	1.119
February	1.625	2.592	1.592	0.792	1.657	1.882	1.641	1.553	1.634	W	1.121
March	1.634	2.618	1.520	0.671	1.580	1.854	1.581	1.495	1.575	W	1.077
April	1.723	2.724	1.545	0.641	1.572	1.953	1.627	1.499	1.620	W	1.039
May	1.668	2.620	1.459	0.631	1.481	1.920	1.552	1.447	1.548	W	1.043
June	1.574	2.552	1.378	0.585	1.360	1.823	1.465	1.375	1.461	W	0.991
July	1.621	2.608	1.436	0.634	1.468	1.869	1.533	1.392	1.529	W	1.039
August	1.711	2.710	1.587	0.742	1.630	1.997	1.681	1.522	1.675	W	1.079
September	1.826	2.893	1.771	0.864	1.809	2.207	1.847	1.668	1.841	W	1.138
October	1.730	2.716	1.704	0.942	1.805	2.206	1.852	1.695	1.846	W	1.176
November	1.806	2.841	1.795	0.997	1.961	2.284	1.936	1.781	1.926	W	1.279
December	1.720	2.691	1.846	0.991	2.034	2.256	1.918	1.841	1.911	W	1.249
2017	1.689	2.682	1.603	0.800	1.730	2.093	1.691	1.600	1.686	W	1.116
2018											
January	1.849	2.900	1.969	0.990	2.209	2.430	2.042	1.990	2.036	W	1.310
February	1.823	2.893	1.911	0.889	2.088	2.295	1.972	1.889	1.966	W	1.319
March	1.889	2.904	1.893	0.827	1.969	2.209	1.952	1.848	1.946	W	1.302
April	2.054	3.085	2.032	0.792	2.075	2.414	2.099	1.982	2.093	W	1.348
May	2.205	3.181	2.175	0.867	2.205	2.606	2.258	2.143	2.254	W	1.500
June	2.135	3.138	2.152	0.807	2.145	2.544	2.203	2.089	2.200	W	1.553
July	2.148	3.111	2.140	0.854	2.133	2.489	2.192	2.079	2.189	W	1.581
August	2.118	3.085	2.148	R0.907	R2.169	R2.485	2.203	2.114	2.201	W	1.549
September	2.136	3.122	2.214	0.951	2.246	2.549	2.282	2.214	2.280	W	1.560

W = Withheld to avoid disclosure of individual company data.

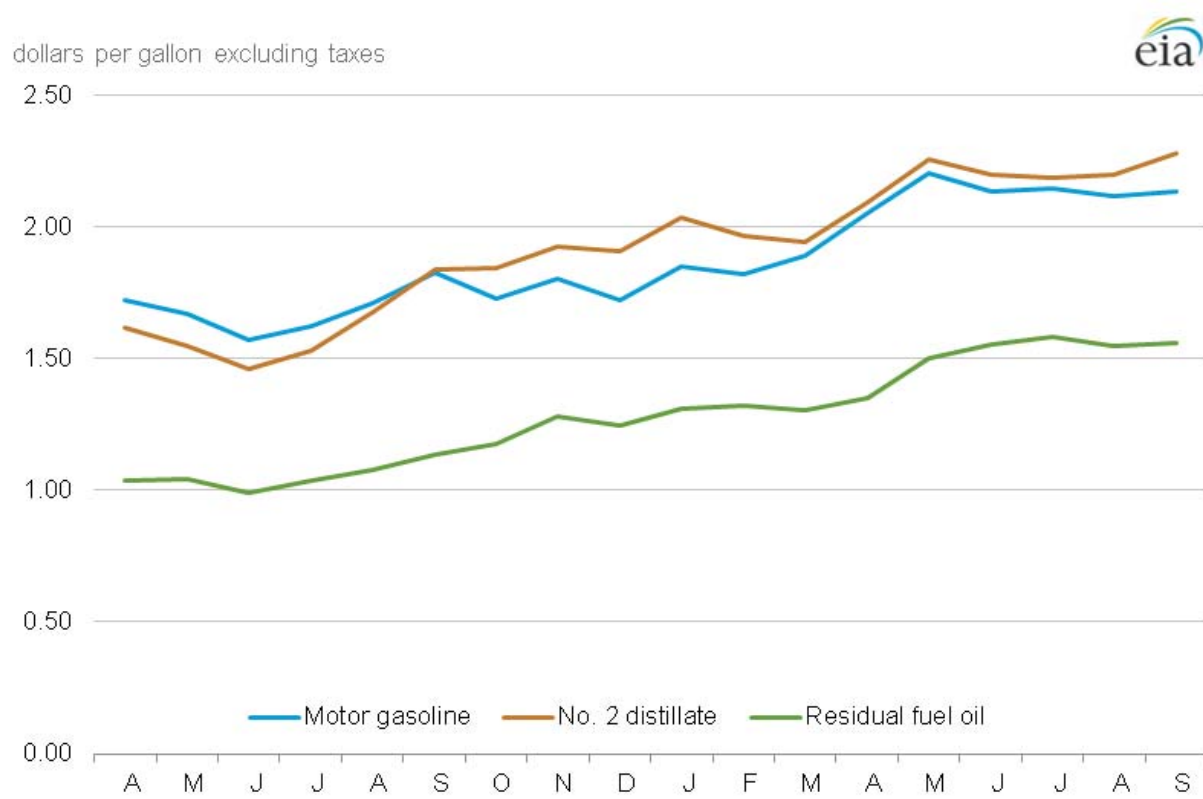
R = Revised data.

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

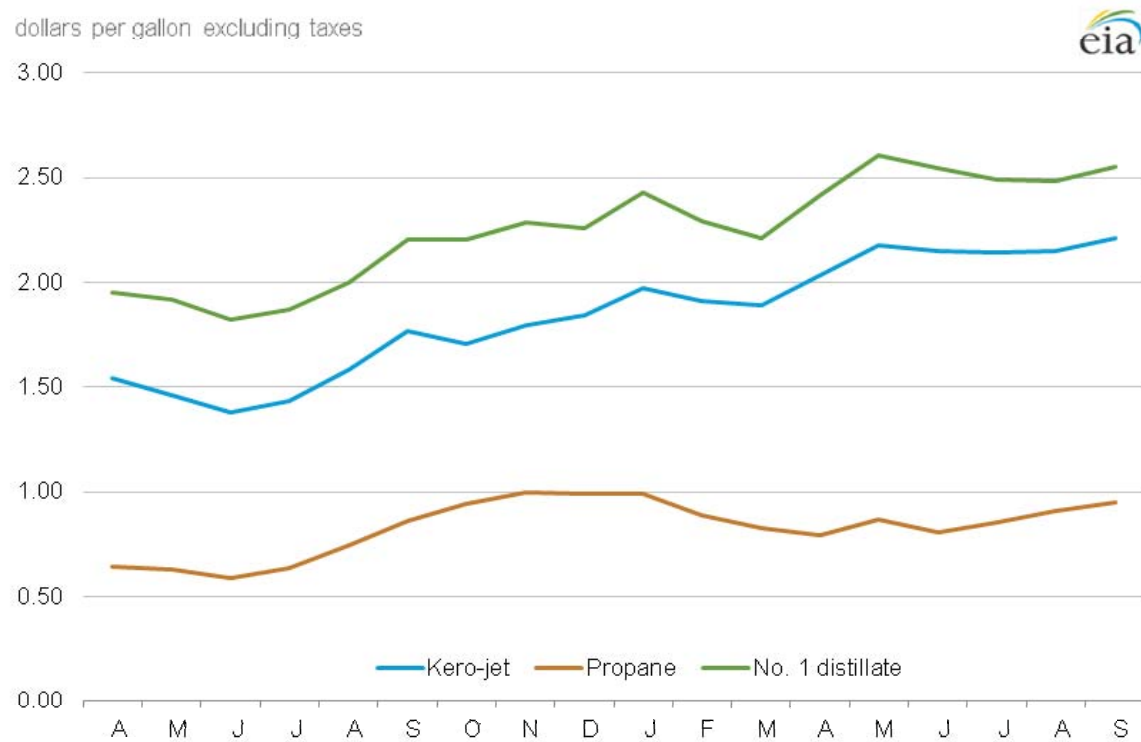
Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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



April 2017 - September 2018



April 2017 - September 2018

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

				Propane (consumer grade)			No. 2 distillate					
Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel		Kerosene	No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	Residual fuel oil	
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	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	314.8	0.6	31.8	29.2	1.5	0.2	142.3	3.8	146.1	W	8.1	
September	307.8	0.4	32.0	28.4	1.0	0.5	142.8	6.0	148.8	W	7.9	
October	301.9	0.4	30.9	33.1	1.2	1.0	144.3	8.2	152.4	W	7.1	
November	299.6	0.4	30.4	35.4	1.4	1.7	142.9	9.1	151.9	W	7.2	
December	298.5	0.4	32.3	41.2	1.9	3.2	141.0	14.4	155.4	W	7.6	
2016	303.8	0.4	30.3	32.4	1.2	1.0	138.3	8.2	146.5	0.1	8.4	
2017												
January	277.9	0.3	30.2	38.5	1.4	2.5	129.6	13.7	143.4	W	6.6	
February	289.7	0.4	32.8	37.3	1.3	1.8	134.3	11.3	145.6	W	6.2	
March	297.2	0.4	31.8	28.0	0.7	0.9	138.0	9.6	147.5	W	5.9	
April	302.9	0.4	40.2	23.3	0.7	0.2	139.3	8.0	147.3	W	6.2	
May	306.0	0.4	40.2	20.0	0.8	0.1	152.1	5.5	157.6	W	5.9	
June	309.7	0.6	40.2	21.5	0.6	0.1	156.7	6.8	163.5	W	8.2	
July	304.0	0.5	39.7	20.0	0.7	0.1	146.1	4.2	150.3	W	6.3	
August	314.9	0.5	40.2	24.7	0.7	0.2	151.2	5.4	156.6	W	8.4	
September	302.5	0.5	39.6	27.2	0.8	0.3	150.2	5.5	155.6	W	7.8	
October	305.9	0.5	39.4	30.4	1.0	1.0	159.1	6.9	166.0	W	8.4	
November	304.8	0.4	38.5	36.7	1.3	2.3	153.5	10.7	164.2	W	7.2	
December	302.2	0.5	43.6	39.7	1.6	2.8	147.1	14.5	161.6	W	8.1	
2017	301.5	0.4	38.1	28.9	1.0	1.0	146.5	8.5	155.0	W	7.1	
2018												
January	283.1	0.3	41.1	46.8	2.3	3.2	145.8	17.5	163.4	W	8.9	
February	296.0	0.3	41.4	39.3	1.5	2.5	144.5	12.6	157.1	W	7.7	
March	306.3	0.4	38.3	31.4	1.0	1.1	148.8	9.5	158.3	W	7.4	
April	306.9	0.5	40.0	24.4	0.8	0.4	156.2	9.0	165.3	W	7.0	
May	318.4	0.5	41.8	20.9	0.8	0.1	159.3	5.3	164.7	W	8.4	
June	319.5	0.5	44.1	18.9	0.9	0.1	160.4	4.2	164.7	W	8.1	
July	312.1	0.6	42.7	19.3	0.8	0.1	154.1	3.8	158.0	W	7.3	
August	R314.5	0.5	R43.3	R21.9	R1.2	0.2	R159.4	3.3	R162.7	W	R7.6	
September	305.5	0.4	40.2	20.8	1.8	0.4	156.4	4.7	161.1	W	7.8	

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

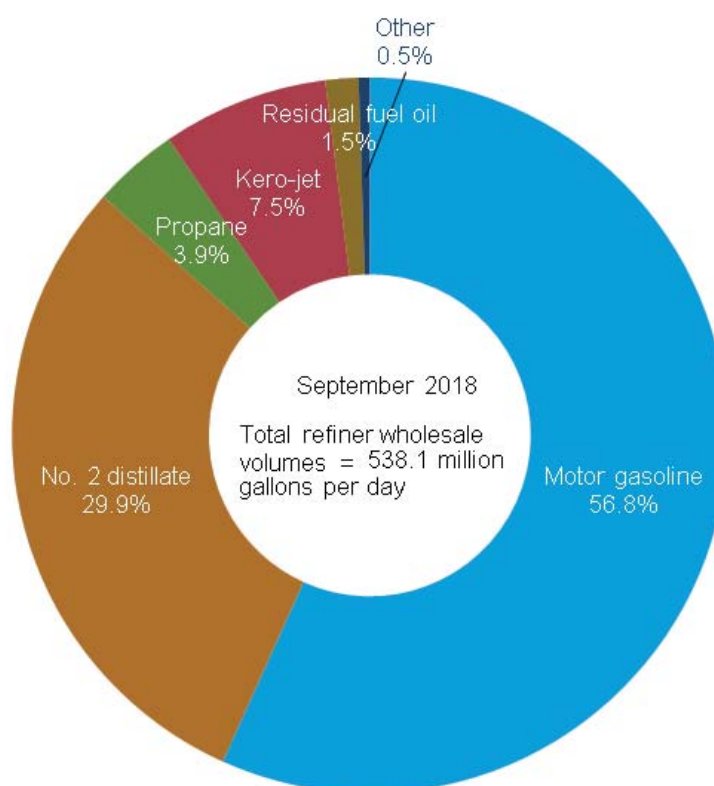
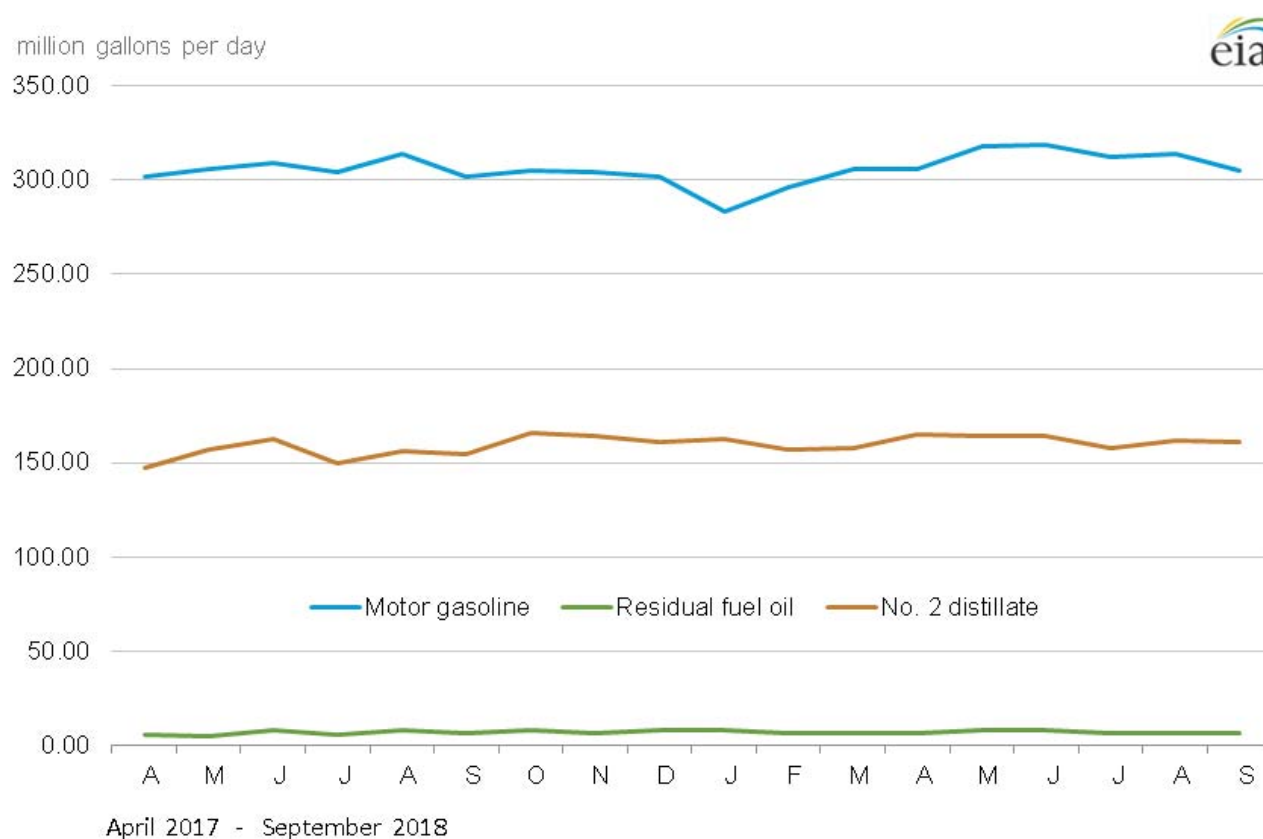
R = Revised data.

[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 2017 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

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	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	0.997	0.977	0.848	0.786	0.865	1.103	1.10	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	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	1.643	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
October	1.748	1.748	1.791	1.505	1.478	1.523	2.027	2.027	1.935	1.676	-	1.706
November	1.685	1.684	1.673	1.361	1.393	1.384	1.987	1.985	1.797	1.521	-	1.552
December	1.784	1.783	1.687	1.541	1.473	1.547	2.032	2.031	1.831	1.685	-	1.702
2016	1.661	1.660	1.701	1.392	1.354	1.410	1.935	1.934	1.839	1.552	-	1.586
2017												
January	1.831	1.830	1.822	1.571	1.583	1.588	2.112	2.111	1.950	1.730	-	1.757
February	1.785	1.785	1.897	1.560	1.567	1.583	2.103	2.101	2.056	1.729	-	1.769
March	1.826	1.826	1.964	1.562	1.563	1.590	2.146	2.144	2.105	1.735	-	1.780
April	1.925	1.924	2.002	1.660	1.616	1.680	2.210	2.206	2.148	1.831	-	1.868
May	1.886	1.885	2.005	1.596	1.557	1.620	2.194	2.192	2.143	1.774	-	1.815
June	1.829	1.828	1.920	1.500	1.506	1.528	2.143	2.142	2.033	1.677	-	1.715
July	1.795	1.794	1.869	1.557	1.518	1.576	2.090	2.089	2.009	1.727	-	1.757
August	1.879	1.877	1.962	1.648	1.608	1.666	2.175	2.173	2.105	1.822	-	1.852
September	2.082	2.080	2.094	1.763	1.707	1.781	2.386	2.382	2.200	1.948	-	1.977
October	1.970	1.968	1.979	1.670	1.660	1.689	2.270	2.268	2.112	1.835	-	1.868
November	2.054	2.052	2.037	1.748	1.761	1.767	2.345	2.342	2.170	1.905	-	1.935
December	1.964	1.963	1.931	1.662	1.710	1.683	2.258	2.256	2.067	1.813	-	1.844
2017	1.903	1.902	1.957	1.625	1.622	1.647	2.202	2.200	2.090	1.791	-	1.826
2018												
January	2.039	2.037	2.066	1.791	1.803	1.810	2.330	2.328	2.227	1.953	-	1.986
February	2.049	2.047	2.153	1.750	1.838	1.782	2.389	2.386	2.302	1.924	-	1.970
March	2.080	2.078	2.248	1.820	1.805	1.846	2.419	2.417	2.415	1.997	-	2.047
April	2.241	2.239	2.411	1.985	1.945	2.010	2.556	2.554	2.560	2.167	-	2.214
May	2.422	2.419	2.549	2.140	2.090	2.162	2.736	2.733	2.680	2.319	-	2.358
June	2.395	2.392	2.502	2.065	2.063	2.092	2.723	2.721	2.612	2.253	-	2.291
July	2.369	2.367	2.446	2.084	2.053	2.105	2.679	2.677	2.580	2.271	-	2.305
August	R2.348	R2.345	R2.402	R2.053	2.046	R2.075	2.662	2.661	R2.546	R2.237	-	R2.270
September	2.352	2.349	2.479	2.069	2.046	2.093	2.679	2.678	2.631	2.254	-	2.296

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

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	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	0.70
1998	0.811	0.805	0.726	0.573	0.489	0.617	0.678	0.673	0.636	0.50	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	0.80	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	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	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	1.696	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
October	2.237	2.234	2.036	1.884	1.669	1.892	1.819	1.819	1.846	1.548	1.501	1.568
November	2.199	2.196	1.903	1.729	1.539	1.744	1.760	1.759	1.724	1.403	1.406	1.427
December	2.242	2.240	1.937	1.871	1.615	1.861	1.850	1.849	1.743	1.578	1.492	1.585
2016	2.134	2.132	1.939	1.757	1.535	1.767	1.731	1.730	1.754	1.434	1.374	1.454
2017												
January	2.323	2.320	2.065	1.908	1.761	1.922	1.902	1.900	1.876	1.607	1.601	1.627
February	2.322	2.318	2.162	1.908	1.793	1.940	1.863	1.862	1.956	1.598	1.584	1.625
March	2.365	2.362	2.213	1.921	1.756	1.953	1.905	1.904	2.019	1.602	1.589	1.634
April	2.423	2.421	2.249	2.015	1.821	2.036	1.998	1.997	2.058	1.701	1.636	1.723
May	2.411	2.408	2.257	1.963	1.777	1.994	1.964	1.963	2.062	1.639	1.578	1.668
June	2.361	2.358	2.149	1.860	1.730	1.892	1.908	1.906	1.971	1.543	1.533	1.574
July	2.304	2.300	2.116	1.912	1.757	1.934	1.872	1.871	1.925	1.599	1.544	1.621
August	2.387	2.382	2.216	2.008	1.845	2.028	1.954	1.952	2.019	1.691	1.633	1.711
September	2.593	2.589	2.335	2.129	2.038	2.152	2.157	2.154	2.147	1.805	1.737	1.826
October	2.479	2.475	2.225	2.009	1.862	2.031	2.044	2.042	2.034	1.708	1.681	1.730
November	2.558	2.554	2.285	2.070	1.902	2.086	2.125	2.122	2.091	1.784	1.778	1.806
December	2.474	2.470	2.167	1.976	1.819	1.990	2.036	2.034	1.984	1.697	1.724	1.720
2017	2.416	2.413	2.204	1.973	1.825	1.997	1.978	1.976	2.013	1.665	1.644	1.689
2018												
January	2.552	2.547	2.328	2.115	1.992	2.136	2.111	2.108	2.125	1.827	1.824	1.849
February	2.619	2.614	2.413	2.087	1.982	2.126	2.130	2.127	2.211	1.787	1.851	1.823
March	2.649	2.644	2.523	2.166	2.013	2.206	2.162	2.160	2.307	1.859	1.821	1.889
April	2.787	2.783	2.663	2.342	2.189	2.376	2.317	2.315	2.467	2.026	1.969	2.054
May	2.952	2.945	2.789	2.492	2.315	2.521	2.498	2.494	2.602	2.181	2.108	2.205
June	2.940	2.933	2.726	2.420	2.226	2.444	2.473	2.469	2.551	2.105	2.083	2.135
July	2.897	2.891	2.687	2.434	2.255	2.455	2.445	2.442	2.499	2.125	2.076	2.148
August	R2.881	R2.874	R2.652	2.397	R2.215	R2.421	R2.424	R2.421	R2.457	2.093	2.065	2.118
September	2.897	2.891	2.740	2.410	2.263	2.446	2.431	2.428	2.537	2.108	2.065	2.136

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 2017 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

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	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	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	233.9	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
October	21.1	21.4	17.8	229.7	16.2	263.6	1.8	1.8	0.3	2.4	-	2.7
November	20.1	20.3	17.4	228.3	16.5	262.2	1.7	1.7	0.3	2.4	-	2.7
December	19.6	19.8	17.6	227.2	16.2	261.0	1.7	1.7	0.3	2.2	-	2.5
2016	20.8	21.0	17.9	228.0	19.0	264.9	1.8	1.8	0.3	2.5	-	2.8
2017												
January	18.8	19.0	16.3	212.3	15.4	244.1	1.6	1.6	0.3	2.0	-	2.3
February	19.4	19.7	17.0	221.5	16.2	254.7	1.6	1.7	0.3	2.0	-	2.3
March	20.0	20.2	17.8	229.7	12.3	259.8	1.7	1.7	0.3	2.1	-	2.4
April	19.8	20.0	17.5	229.1	18.4	265.0	1.7	1.7	0.3	2.1	-	2.4
May	20.2	20.4	17.5	233.9	14.8	266.2	1.7	1.8	0.3	2.3	-	2.6
June	20.9	21.1	17.6	238.4	13.0	269.0	1.8	1.8	0.3	2.4	-	2.7
July	20.1	20.3	17.3	234.6	12.0	264.0	1.7	1.8	0.3	2.3	-	2.6
August	20.5	20.8	17.7	241.0	15.5	274.1	1.8	1.8	0.3	2.3	-	2.6
September	20.0	20.3	17.2	229.5	17.8	264.6	1.7	1.7	0.3	2.1	-	2.3
October	20.3	20.6	17.1	234.1	16.5	267.7	1.7	1.7	0.3	2.0	-	2.3
November	19.9	20.2	17.0	231.5	18.4	266.8	1.7	1.7	0.3	2.0	-	2.2
December	19.8	20.0	16.8	230.0	17.6	264.4	1.6	1.7	0.3	1.9	-	2.1
2017	20.0	20.2	17.2	230.5	15.6	263.4	1.7	1.7	0.3	2.1	-	2.4
2018												
January	18.5	18.7	15.9	215.9	16.4	248.3	1.5	1.5	0.2	1.7	-	2.0
February	19.2	19.5	16.8	224.3	18.9	260.1	1.6	1.6	0.2	1.8	-	2.0
March	19.7	20.0	17.3	231.3	20.4	269.0	1.7	1.7	0.2	1.8	-	2.1
April	19.6	19.8	17.5	231.0	20.6	269.0	1.6	1.6	0.3	1.9	-	2.1
May	19.8	20.1	17.3	240.2	21.5	279.0	1.7	1.7	0.2	2.0	-	2.2
June	20.5	20.8	17.4	242.1	20.4	279.8	1.7	1.7	0.2	2.0	-	2.2
July	20.0	20.3	17.3	237.2	18.3	272.7	1.7	1.7	0.2	2.0	-	2.2
August	20.7	21.0	17.6	241.8	15.5	R275.0	1.7	1.7	0.2	2.0	-	2.2
September	19.8	20.1	17.1	230.1	20.7	267.9	1.7	1.7	0.2	1.8	-	2.0

See footnotes at end of table.

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

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	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	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	267.2	23.7	314.8
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
October	2.7	2.7	4.9	28.4	2.2	35.5	25.6	25.9	23.0	260.5	18.4	301.9
November	2.6	2.6	4.9	28.2	1.7	34.8	24.4	24.6	22.5	258.9	18.2	299.6
December	2.5	2.5	4.9	27.5	2.6	35.0	23.8	24.1	22.8	256.9	18.7	298.5
2016	2.7	2.7	5.0	28.8	2.4	36.1	25.3	25.6	23.2	259.3	21.3	303.8
2017												
January	2.3	2.4	4.5	25.3	1.7	31.5	22.7	22.9	21.2	239.6	17.1	277.9
February	2.4	2.4	4.7	26.7	1.3	32.7	23.5	23.8	22.0	250.2	17.5	289.7
March	2.5	2.5	4.9	28.1	1.9	34.9	24.2	24.5	23.0	259.9	14.2	297.2
April	2.5	2.6	4.9	28.5	2.1	35.5	24.1	24.3	22.7	259.7	20.5	302.9
May	2.6	2.7	5.0	30.6	1.6	37.2	24.6	24.9	22.8	266.8	16.4	306.0
June	2.7	2.7	5.0	31.2	1.8	38.0	25.4	25.7	22.8	272.1	14.8	309.7
July	2.7	2.7	5.0	30.9	1.5	37.4	24.6	24.8	22.6	267.9	13.5	304.0
August	2.7	2.7	5.1	31.3	1.8	38.1	24.9	25.2	23.0	274.6	17.3	314.9
September	2.6	2.6	4.8	29.0	1.8	35.6	24.3	24.6	22.3	260.6	19.6	302.5
October	2.6	2.6	4.9	29.2	1.9	36.0	24.6	24.9	22.3	265.3	18.3	305.9
November	2.4	2.4	4.6	28.6	2.5	35.7	24.0	24.3	21.9	262.0	20.9	304.8
December	2.4	2.4	4.8	28.3	2.6	35.6	23.8	24.1	21.9	260.1	20.2	302.2
2017	2.5	2.6	4.9	29.0	1.9	35.7	24.2	24.5	22.4	261.6	17.5	301.5
2018												
January	2.3	2.3	4.5	26.3	2.0	32.8	22.3	22.5	20.7	244.0	18.4	283.1
February	2.3	2.3	4.7	27.3	2.0	34.0	23.1	23.4	21.8	253.4	20.8	296.0
March	2.4	2.5	4.7	28.7	1.7	35.2	23.8	24.1	22.3	261.9	22.1	306.3
April	2.4	2.4	4.9	28.7	2.2	35.8	23.5	23.8	22.6	261.5	22.8	306.9
May	2.5	2.5	4.8	30.5	1.9	37.2	24.0	24.3	22.3	272.7	23.4	318.4
June	2.5	2.6	4.8	29.9	2.8	37.5	24.7	25.1	22.4	273.9	23.2	319.5
July	2.5	2.5	4.8	30.0	2.3	37.1	24.2	24.6	22.3	269.2	20.6	312.1
August	2.6	2.6	4.9	R30.5	2.0	37.3	25.0	25.4	22.8	R274.2	17.5	R314.5
September	2.5	2.5	4.8	28.9	1.9	35.6	24.0	24.4	22.1	260.8	22.6	305.5

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 2017 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

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.687	0.681	0.636	0.545	0.50	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	0.80	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	0.70	NA	0.726
1997	0.781	0.775	0.719	0.649	0.60	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	0.70	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	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	1.529	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	1.905	1.770	1.620	-	1.629
October	1.691	1.692	1.648	1.493	1.456	1.493	1.933	1.933	1.796	1.674	-	1.681
November	1.613	1.613	1.520	1.346	W	1.351	1.865	1.864	1.703	1.513	-	1.524
December	1.740	1.739	1.560	1.532	1.457	1.527	1.953	1.952	1.728	1.680	-	1.683
2016	1.591	1.591	1.497	1.375	1.332	1.374	1.811	1.811	1.681	1.541	-	1.549
2017												
January	1.768	1.768	1.663	1.557	1.575	1.561	2.009	2.008	1.817	1.724	-	1.730
February	1.700	1.701	1.679	1.540	1.546	1.544	1.956	1.956	1.866	1.709	-	1.719
March	1.739	1.740	1.766	1.542	W	1.546	1.994	1.992	1.961	1.715	-	1.730
April	1.858	1.858	1.831	1.635	1.594	1.636	2.099	2.094	2.003	1.811	-	1.822
May	1.803	1.803	1.781	1.563	W	1.566	2.057	2.056	1.977	1.751	-	1.764
June	1.746	1.746	1.704	1.475	W	1.480	2.005	2.004	1.906	1.662	-	1.676
July	1.721	1.721	1.709	1.532	1.488	1.534	1.967	1.967	1.877	1.714	-	1.723
August	1.807	1.806	1.803	1.632	W	1.632	2.056	2.055	1.954	1.817	-	1.825
September	2.013	2.011	1.923	1.750	W	1.748	2.279	2.273	2.048	1.948	-	1.954
October	1.905	1.904	1.792	1.661	W	1.663	2.171	2.168	1.978	1.838	-	1.847
November	1.985	1.984	1.899	1.737	W	1.741	2.235	2.231	2.058	1.902	-	1.912
December	1.900	1.899	1.815	1.651	1.700	1.658	2.158	2.155	2.006	1.812	-	1.825
2017	1.829	1.829	1.780	1.607	1.602	1.610	2.082	2.080	1.954	1.781	-	1.791
2018												
January	1.965	1.963	1.888	1.776	1.783	1.779	2.203	2.201	2.087	1.945	-	1.954
February	1.949	1.948	1.934	1.732	1.827	1.744	2.218	2.216	2.151	1.912	-	1.928
March	1.974	1.973	2.051	1.791	1.776	1.795	2.235	2.233	2.253	1.972	-	1.990
April	2.148	2.148	2.232	1.956	1.915	1.957	2.411	2.408	2.436	2.147	-	2.165
May	2.331	2.328	2.385	2.106	2.067	2.107	2.597	2.592	2.579	2.300	-	2.316
June	2.298	2.295	2.340	2.036	2.044	2.042	2.579	2.576	2.532	2.246	-	2.261
July	2.286	2.284	2.288	2.063	2.027	2.065	2.550	2.548	2.458	2.270	-	2.281
August	R2.267	R2.264	R2.235	2.038	2.025	2.041	R2.536	2.535	R2.442	R2.244	-	R2.254
September	2.265	2.263	2.271	2.054	2.028	2.056	2.537	2.536	2.485	2.252	-	2.266

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

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	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	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	1.566	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
October	2.182	2.178	1.860	1.901	1.642	1.874	1.738	1.738	1.685	1.533	1.479	1.533
November	2.112	2.108	W	1.733	1.500	1.715	1.660	1.660	1.557	1.384	1.382	1.388
December	2.209	2.204	1.774	1.875	1.587	1.838	1.782	1.781	1.599	1.564	1.476	1.558
2016	2.042	2.037	1.709	1.758	1.510	1.731	1.635	1.634	1.536	1.414	1.353	1.411
2017												
January	2.265	2.258	1.866	1.908	1.736	1.893	1.813	1.812	1.700	1.590	1.589	1.593
February	2.216	2.210	1.911	1.899	1.732	1.890	1.747	1.748	1.721	1.574	1.560	1.577
March	2.250	2.247	W	1.916	1.716	1.903	1.786	1.787	1.808	1.578	1.562	1.583
April	2.356	2.352	2.059	2.005	1.777	1.988	1.904	1.904	1.872	1.672	1.611	1.671
May	2.311	2.306	W	1.950	1.731	1.938	1.851	1.851	1.823	1.604	1.552	1.605
June	2.263	2.257	W	1.851	1.695	1.843	1.795	1.795	1.745	1.515	1.503	1.520
July	2.227	2.220	1.931	1.902	1.703	1.893	1.770	1.769	1.751	1.572	1.510	1.573
August	2.310	2.302	W	2.014	1.800	2.000	1.855	1.854	1.845	1.672	1.605	1.671
September	2.523	2.514	W	2.137	2.017	2.128	2.061	2.059	1.960	1.789	1.713	1.786
October	2.421	2.412	W	2.027	1.842	2.013	1.953	1.951	1.832	1.697	1.664	1.698
November	2.497	2.489	W	2.083	1.880	2.063	2.031	2.029	1.939	1.770	1.764	1.773
December	2.426	2.417	2.039	1.987	1.804	1.971	1.947	1.946	1.857	1.684	1.712	1.690
2017	2.338	2.331	2.002	1.973	1.792	1.961	1.876	1.876	1.821	1.643	1.622	1.646
2018												
January	2.479	2.468	2.118	2.121	1.956	2.106	2.010	2.009	1.931	1.809	1.801	1.811
February	2.493	2.482	2.176	2.086	1.943	2.078	1.997	1.996	1.980	1.766	1.838	1.777
March	2.510	2.502	2.298	2.154	1.954	2.146	2.022	2.021	2.097	1.827	1.789	1.829
April	2.683	2.676	2.484	2.337	2.141	2.325	2.197	2.196	2.278	1.993	1.936	1.994
May	2.867	2.852	2.632	2.487	2.273	2.476	2.380	2.377	2.431	2.145	2.083	2.145
June	2.848	2.832	2.570	2.425	2.201	2.404	2.348	2.345	2.383	2.074	2.064	2.079
July	2.828	2.814	2.522	2.439	2.224	2.422	2.335	2.333	2.332	2.102	2.050	2.102
August	R2.814	R2.798	R2.477	2.418	R2.185	R2.403	R2.317	R2.314	R2.280	2.077	2.043	2.079
September	2.810	2.796	2.526	2.420	2.222	2.409	2.315	2.313	2.318	2.091	2.042	2.091

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 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. Sales to end users - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 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

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	29.7	31.2	36.1	113.5	22.8	172.4	7.6	7.8	10.1	14.6	0.1	24.8
1995	24.0	25.3	19.4	105.1	26.0	150.5	6.0	6.3	5.1	13.6	0.1	18.7
1996	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	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	167.8	W	191.0	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
October	14.4	14.6	4.0	164.4	13.5	181.9	0.9	0.9	0.1	1.7	-	1.8
November	13.4	13.6	W	163.9	W	181.0	0.8	0.8	0.1	1.6	-	1.7
December	12.9	13.1	3.9	162.6	13.6	180.1	0.8	0.8	0.1	1.5	-	1.6
2016	14.1	14.3	4.1	163.4	15.8	183.3	0.9	0.9	0.1	1.7	-	1.8
2017												
January	12.3	12.5	3.7	151.5	13.0	168.2	0.7	0.7	0.1	1.4	-	1.5
February	12.9	13.1	3.8	158.6	13.4	175.9	0.7	0.8	0.1	1.4	-	1.5
March	13.3	13.5	W	164.4	W	178.2	0.8	0.8	0.1	1.5	-	1.6
April	13.2	13.4	4.0	163.9	15.6	183.5	0.8	0.8	0.1	1.5	-	1.6
May	13.4	13.6	W	168.2	W	184.8	0.8	0.8	0.1	1.6	-	1.7
June	13.8	14.1	W	171.5	W	186.0	0.8	0.8	0.1	1.7	-	1.8
July	13.3	13.5	4.0	169.6	9.6	183.1	0.8	0.8	0.1	1.6	-	1.7
August	13.6	13.9	W	174.5	W	191.7	0.8	0.8	0.1	1.6	-	1.7
September	13.2	13.4	W	165.1	W	184.5	0.8	0.8	0.1	1.5	-	1.5
October	13.5	13.7	W	167.7	W	184.8	0.8	0.8	0.1	1.4	-	1.5
November	13.2	13.5	W	166.0	W	184.7	0.8	0.8	0.1	1.4	-	1.5
December	13.2	13.4	3.6	164.5	14.7	182.7	0.8	0.8	0.1	1.3	-	1.4
2017	13.3	13.5	3.9	165.5	13.0	182.4	0.8	0.8	0.1	1.5	-	1.6
2018												
January	12.2	12.4	3.5	153.8	13.7	171.0	0.7	0.7	0.1	1.2	-	1.3
February	12.8	13.0	3.6	159.4	15.6	178.6	0.7	0.7	0.1	1.2	-	1.3
March	13.0	13.2	3.7	165.6	17.0	186.2	0.8	0.8	0.1	1.3	-	1.4
April	12.8	13.0	3.6	165.1	17.8	186.4	0.7	0.8	0.1	1.3	-	1.4
May	12.9	13.2	3.5	172.6	18.7	194.9	0.7	0.8	0.1	1.4	-	1.5
June	13.4	13.7	3.6	174.3	17.4	195.4	0.8	0.8	0.1	1.4	-	1.5
July	13.0	13.2	3.7	171.6	14.7	189.9	0.7	0.8	0.1	1.4	-	1.5
August	13.5	13.8	3.7	174.3	12.3	190.3	0.8	0.8	0.1	1.4	-	1.5
September	12.9	13.2	3.5	164.8	18.0	186.2	0.7	0.8	0.1	1.3	-	1.4

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

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	8.5	8.9	16.5	28.0	2.8	47.2	45.8	47.9	62.7	156.0	25.8	244.5
1995	6.2	6.4	7.7	25.1	2.9	35.6	36.2	38.0	32.1	143.8	28.9	204.8
1996	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	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	214.4
September	1.2	1.2	W	17.8	W	20.8	16.7	16.9	5.1	184.0	19.6	208.6
October	1.1	1.1	0.8	17.3	2.0	20.0	16.3	16.6	4.9	183.4	15.4	203.8
November	1.0	1.1	W	17.1	W	19.3	15.3	15.5	4.8	182.7	14.6	202.1
December	1.0	1.0	0.8	16.5	2.2	19.5	14.7	14.9	4.8	180.7	15.8	201.3
2016	1.1	1.2	0.8	17.7	2.1	20.6	16.1	16.4	5.0	182.8	17.9	205.7
2017												
January	0.9	0.9	0.7	15.1	1.3	17.1	13.9	14.1	4.5	168.1	14.3	186.8
February	1.0	1.0	0.8	16.0	1.0	17.8	14.6	14.8	4.7	176.1	14.4	195.2
March	1.0	1.0	W	16.9	W	19.4	15.1	15.3	5.0	182.8	11.4	199.2
April	1.0	1.0	0.8	17.3	1.6	19.8	15.0	15.3	4.8	182.7	17.3	204.9
May	1.1	1.1	W	19.0	W	21.1	15.3	15.5	4.9	188.8	14.0	207.7
June	1.1	1.1	W	19.5	W	21.8	15.8	16.0	4.9	192.6	12.1	209.7
July	1.1	1.1	0.9	19.5	1.1	21.4	15.2	15.5	4.9	190.7	10.7	206.3
August	1.1	1.1	W	19.6	W	21.9	15.5	15.8	5.0	195.8	14.6	215.3
September	1.0	1.1	W	17.8	W	20.1	15.0	15.2	4.7	184.4	17.0	206.1
October	1.0	1.0	W	17.8	W	19.9	15.3	15.5	4.7	186.8	14.7	206.2
November	1.0	1.0	W	17.3	W	20.2	15.0	15.2	4.4	184.7	17.3	206.4
December	1.0	1.0	0.8	17.0	2.0	19.8	14.9	15.1	4.4	182.8	16.6	203.9
2017	1.0	1.0	0.8	17.8	1.5	20.0	15.1	15.3	4.8	184.7	14.5	204.0
2018												
January	0.9	0.9	0.7	15.9	1.7	18.3	13.8	14.1	4.3	170.9	15.4	190.6
February	0.9	0.9	0.7	16.5	1.6	18.8	14.4	14.7	4.4	177.1	17.2	198.8
March	1.0	1.0	0.8	17.6	1.3	19.7	14.7	15.0	4.5	184.4	18.3	207.3
April	0.9	1.0	0.7	17.5	1.8	20.1	14.5	14.7	4.4	184.0	19.6	208.0
May	1.0	1.0	0.7	19.0	1.6	21.4	14.6	14.9	4.4	193.0	20.4	217.8
June	1.0	1.0	0.8	18.5	2.5	21.8	15.1	15.4	4.4	194.3	19.9	218.6
July	1.0	1.0	0.8	18.9	1.9	21.7	14.7	15.0	4.5	191.9	16.6	213.1
August	1.0	1.0	0.8	R19.1	R1.5	21.4	15.3	15.6	4.5	R194.8	13.9	R213.2
September	1.0	1.0	0.7	17.8	1.5	20.0	14.6	14.9	4.3	183.8	19.5	207.6

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 2017 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

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	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	0.80	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	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
October	1.869	1.868	1.834	1.536	1.587	1.588	2.112	2.112	2.002	1.682	-	1.754
November	1.830	1.829	1.718	1.400	W	1.456	2.093	2.093	1.842	1.539	-	1.606
December	1.869	1.869	1.723	1.565	1.553	1.592	2.098	2.098	1.885	1.694	-	1.737
2016	1.808	1.807	1.762	1.433	1.462	1.490	2.047	2.047	1.913	1.579	-	1.655
2017												
January	1.952	1.951	1.868	1.604	1.625	1.649	2.195	2.194	2.020	1.744	-	1.807
February	1.954	1.953	1.960	1.609	1.665	1.670	2.225	2.225	2.151	1.774	-	1.861
March	2.000	1.999	2.023	1.615	W	1.685	2.275	2.274	2.180	1.782	-	1.873
April	2.060	2.059	2.052	1.724	1.740	1.779	2.303	2.303	2.217	1.876	-	1.952
May	2.050	2.050	2.071	1.679	W	1.745	2.309	2.309	2.231	1.828	-	1.914
June	1.992	1.991	1.984	1.563	W	1.634	2.260	2.260	2.101	1.711	-	1.793
July	1.942	1.941	1.917	1.620	1.637	1.670	2.194	2.193	2.082	1.759	-	1.825
August	2.021	2.021	2.009	1.691	W	1.745	2.276	2.276	2.189	1.833	-	1.905
September	2.215	2.213	2.143	1.798	W	1.857	2.473	2.473	2.286	1.949	-	2.021
October	2.096	2.095	2.032	1.690	W	1.747	2.352	2.352	2.186	1.829	-	1.907
November	2.190	2.188	2.073	1.778	W	1.828	2.438	2.438	2.235	1.910	-	1.980
December	2.092	2.091	1.962	1.691	1.763	1.737	2.345	2.345	2.101	1.815	-	1.879
2017	2.048	2.047	2.009	1.672	1.717	1.729	2.303	2.303	2.164	1.815	-	1.891
2018												
January	2.183	2.182	2.116	1.829	1.907	1.878	2.437	2.437	2.305	1.973	-	2.049
February	2.247	2.246	2.211	1.795	1.888	1.866	2.534	2.534	2.389	1.954	-	2.053
March	2.284	2.282	2.300	1.892	1.948	1.961	2.572	2.572	2.505	2.059	-	2.160
April	2.416	2.415	2.458	2.060	2.132	2.129	2.684	2.684	2.626	2.217	-	2.313
May	2.591	2.590	2.591	2.227	2.246	2.287	2.849	2.849	2.734	2.366	-	2.447
June	2.576	2.575	2.544	2.141	2.174	2.208	2.840	2.840	2.653	2.271	-	2.354
July	2.522	2.522	2.489	2.141	2.160	2.199	2.781	2.781	2.641	2.272	-	2.355
August	2.500	2.499	2.446	2.093	2.127	2.153	2.764	2.764	2.600	2.220	-	2.301
September	2.512	2.511	2.532	2.106	2.171	2.179	2.791	2.791	2.708	2.259	-	2.360

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

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	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	1.10	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	2.20	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	2.70	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	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
October	2.275	2.275	2.070	1.857	1.892	1.914	1.963	1.962	1.890	1.584	1.612	1.641
November	2.257	2.257	W	1.723	W	1.780	1.929	1.928	1.770	1.448	1.505	1.509
December	2.263	2.263	1.968	1.864	1.796	1.890	1.959	1.958	1.781	1.609	1.581	1.640
2016	2.201	2.201	1.986	1.755	1.710	1.816	1.900	1.899	1.814	1.481	1.484	1.543
2017												
January	2.359	2.359	2.104	1.908	1.833	1.957	2.044	2.043	1.924	1.648	1.658	1.699
February	2.391	2.390	2.210	1.922	NA	2.000	2.054	2.053	2.019	1.655	1.697	1.723
March	2.439	2.439	W	1.928	W	2.016	2.101	2.100	2.077	1.661	1.698	1.739
April	2.468	2.468	2.286	2.031	1.992	2.097	2.154	2.153	2.108	1.769	1.772	1.831
May	2.478	2.478	W	1.985	W	2.068	2.149	2.148	2.127	1.726	1.728	1.799
June	2.428	2.427	W	1.876	W	1.959	2.092	2.091	2.034	1.611	1.668	1.688
July	2.357	2.356	2.155	1.930	1.933	1.988	2.038	2.037	1.974	1.668	1.674	1.723
August	2.440	2.440	W	1.998	W	2.065	2.117	2.117	2.068	1.737	1.779	1.798
September	2.640	2.640	W	2.116	W	2.184	2.310	2.309	2.198	1.846	1.895	1.911
October	2.517	2.517	W	1.980	W	2.052	2.191	2.191	2.089	1.734	1.750	1.797
November	2.598	2.598	W	2.048	W	2.115	2.280	2.279	2.129	1.818	1.842	1.874
December	2.505	2.505	2.191	1.958	1.866	2.013	2.184	2.183	2.016	1.730	1.782	1.783
2017	2.468	2.468	2.243	1.974	1.960	2.043	2.143	2.142	2.064	1.717	1.747	1.781
2018												
January	2.602	2.602	2.368	2.106	2.170	2.175	2.275	2.274	2.175	1.869	1.936	1.926
February	2.703	2.703	2.458	2.088	2.146	2.185	2.348	2.347	2.269	1.838	1.915	1.917
March	2.738	2.738	2.566	2.185	2.224	2.283	2.386	2.385	2.361	1.935	1.975	2.013
April	2.855	2.855	2.695	2.350	2.393	2.442	2.511	2.510	2.513	2.102	2.167	2.180
May	3.008	3.008	2.819	2.500	2.549	2.582	2.683	2.682	2.643	2.267	2.275	2.335
June	3.000	3.000	2.756	2.412	2.404	2.500	2.669	2.668	2.593	2.181	2.198	2.254
July	2.942	2.942	2.720	2.426	2.412	2.501	2.615	2.615	2.542	2.183	2.184	2.247
August	2.925	2.925	2.685	2.362	2.329	2.445	2.594	2.593	2.501	2.133	2.149	2.200
September	2.953	2.953	2.779	2.393	2.411	2.494	2.611	2.610	2.589	2.148	2.204	2.230

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 2017 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

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.6	0.6	2.1	1.6	0.6	4.3	0.2	0.2	0.7	0.3	W	1.0
1995	7.8	8.1	20.7	W	W	43.3	3.0	3.1	7.4	3.1	-	10.5
1996	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	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
October	6.8	6.8	13.7	65.2	2.7	81.7	1.0	1.0	0.2	0.7	-	0.9
November	6.6	6.6	W	64.4	W	81.2	0.9	0.9	0.2	0.7	-	0.9
December	6.7	6.7	13.7	64.6	2.6	80.8	0.9	0.9	0.2	0.7	-	0.9
2016	6.7	6.7	13.9	64.6	3.1	81.6	0.9	0.9	0.2	0.8	-	1.0
2017												
January	6.4	6.5	12.7	60.8	2.4	75.9	0.9	0.9	0.2	0.6	-	0.8
February	6.5	6.5	13.2	62.8	2.8	78.8	0.9	0.9	0.2	0.6	-	0.8
March	6.7	6.7	W	65.3	W	81.6	0.9	0.9	0.2	0.7	-	0.8
April	6.6	6.6	13.5	65.2	2.8	81.5	0.9	0.9	0.2	0.7	-	0.9
May	6.8	6.8	W	65.6	W	81.3	0.9	0.9	0.2	0.7	-	0.9
June	7.0	7.1	W	67.0	W	83.0	1.0	1.0	0.2	0.7	-	0.9
July	6.8	6.8	13.3	65.1	2.5	80.9	1.0	1.0	0.2	0.7	-	0.9
August	6.9	6.9	W	66.4	W	82.5	1.0	1.0	0.2	0.7	-	0.9
September	6.9	6.9	W	64.4	W	80.1	0.9	0.9	0.2	0.6	-	0.8
October	6.9	6.9	W	66.4	W	82.8	0.9	0.9	0.2	0.6	-	0.8
November	6.7	6.7	W	65.5	W	82.1	0.9	0.9	0.2	0.6	-	0.7
December	6.6	6.6	13.2	65.5	2.9	81.6	0.9	0.9	0.2	0.6	-	0.7
2017	6.7	6.8	13.4	65.0	2.6	81.0	0.9	0.9	0.2	0.6	-	0.8
2018												
January	6.3	6.3	12.5	62.1	2.7	77.3	0.8	0.8	0.2	0.5	-	0.7
February	6.5	6.5	13.3	64.9	3.3	81.4	0.9	0.9	0.2	0.5	-	0.7
March	6.8	6.8	13.7	65.8	3.4	82.8	0.9	0.9	0.2	0.5	-	0.7
April	6.8	6.8	13.9	65.9	2.8	82.6	0.9	0.9	0.2	0.5	-	0.7
May	6.9	7.0	13.8	67.6	2.8	84.1	0.9	0.9	0.2	0.6	-	0.7
June	7.2	7.2	13.8	67.8	3.0	84.5	0.9	0.9	0.2	0.6	-	0.7
July	7.1	7.1	13.6	65.6	3.6	82.8	0.9	0.9	0.2	0.6	-	0.7
August	7.2	7.2	14.0	67.5	3.2	84.7	1.0	1.0	0.2	0.6	-	0.7
September	7.0	7.0	13.6	65.3	2.7	81.7	0.9	0.9	0.1	0.5	-	0.7

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

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.2	0.2	1.2	0.5	0.2	1.9	1.0	1.0	4.0	2.4	0.8	7.2
1995	3.1	3.2	12.0	W	W	18.9	14.0	14.4	40.1	25.9	6.6	72.6
1996	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	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
October	1.6	1.6	4.1	11.1	0.2	15.5	9.3	9.3	18.0	77.1	3.0	98.1
November	1.5	1.5	W	11.1	W	15.4	9.1	9.1	17.7	76.2	3.6	97.5
December	1.5	1.5	4.1	11.0	0.3	15.4	9.2	9.2	18.0	76.2	2.9	97.2
2016	1.6	1.6	4.1	11.1	0.3	15.5	9.2	9.2	18.2	76.5	3.4	98.1
2017												
January	1.4	1.4	3.8	10.1	0.4	14.4	8.8	8.8	16.6	71.5	2.9	91.0
February	1.5	1.5	4.0	10.6	0.3	14.9	8.9	8.9	17.3	74.1	3.1	94.5
March	1.5	1.5	W	11.1	W	15.5	9.1	9.2	18.0	77.1	2.8	98.0
April	1.5	1.5	4.1	11.2	0.4	15.7	9.0	9.1	17.9	77.0	3.2	98.1
May	1.6	1.6	W	11.7	W	16.1	9.3	9.3	17.9	78.0	2.4	98.3
June	1.6	1.6	W	11.8	W	16.2	9.6	9.6	17.9	79.5	2.7	100.1
July	1.6	1.6	4.1	11.5	0.3	16.0	9.3	9.4	17.7	77.3	2.8	97.7
August	1.6	1.6	W	11.7	W	16.2	9.4	9.4	18.0	78.8	2.7	99.6
September	1.5	1.5	W	11.2	W	15.5	9.3	9.3	17.6	76.2	2.6	96.4
October	1.5	1.5	W	11.5	W	16.1	9.4	9.4	17.6	78.5	3.7	99.7
November	1.5	1.5	W	11.3	W	15.5	9.0	9.0	17.5	77.3	3.6	98.4
December	1.5	1.5	4.0	11.2	0.6	15.9	8.9	9.0	17.4	77.3	3.5	98.3
2017	1.5	1.5	4.1	11.2	0.4	15.7	9.2	9.2	17.6	76.9	3.0	97.5
2018												
January	1.3	1.3	3.8	10.4	0.3	14.5	8.4	8.5	16.4	73.1	3.1	92.5
February	1.4	1.4	3.9	10.8	0.4	15.2	8.7	8.7	17.4	76.3	3.6	97.3
March	1.5	1.5	3.9	11.2	0.4	15.5	9.2	9.2	17.8	77.5	3.8	99.0
April	1.4	1.4	4.1	11.1	0.4	15.7	9.1	9.1	18.2	77.6	3.2	99.0
May	1.5	1.5	4.0	11.5	0.3	15.8	9.3	9.4	17.9	79.6	3.1	100.6
June	1.5	1.5	4.0	11.4	0.4	15.7	9.6	9.7	17.9	79.7	3.3	100.9
July	1.5	1.5	4.0	11.1	0.4	15.5	9.5	9.5	17.8	77.2	4.0	99.0
August	1.6	1.6	4.1	11.4	0.4	15.9	9.7	9.7	18.2	79.4	3.6	101.3
September	1.5	1.5	4.0	11.1	0.4	15.6	9.4	9.5	17.8	76.9	3.1	97.9

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 2017 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

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Average	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
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	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	0.846	1.059	0.855	1.076	0.854
October	W	0.961	1.091	0.935	1.115	0.938
November	NA	0.920	1.040	0.907	1.106	0.908
December	W	1.024	1.206	1.031	1.230	1.030
2016	1.138	0.736	0.897	0.746	0.945	0.745
2017						
January	W	1.099	1.249	1.121	1.309	1.119
February	W	1.174	1.243	1.115	1.291	1.121
March	W	1.103	1.186	1.075	1.239	1.077
April	W	1.038	1.147	1.039	1.201	1.039
May	W	0.986	1.153	1.047	1.213	1.043
June	W	0.937	1.129	0.995	1.195	0.991
July	W	1.026	1.154	1.040	1.211	1.039
August	W	1.042	1.142	1.081	1.204	1.079
September	W	1.150	1.295	1.137	1.314	1.138
October	W	1.153	1.249	1.178	1.304	1.176
November	W	1.302	1.384	1.277	1.413	1.279
December	W	1.254	1.447	1.249	1.484	1.249
2017	W	1.112	1.237	1.117	1.287	1.116
2018						
January	W	1.301	1.476	1.311	1.507	1.310
February	W	1.221	1.415	1.325	1.490	1.319
March	W	1.227	1.386	1.306	1.452	1.302
April	W	1.311	1.438	1.349	1.504	1.348
May	W	1.462	1.615	1.501	1.667	1.500
June	W	1.487	1.643	1.558	1.731	1.553
July	W	1.543	1.709	1.583	1.767	1.581
August	W	1.499	R1.680	R1.552	R1.764	1.549
September	W	1.520	1.694	1.561	1.761	1.560

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 2017 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

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
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	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	7.4	4.7	7.9
October	W	1.0	W	6.1	4.4	7.1
November	NA	0.7	3.1	6.5	4.0	7.2
December	W	0.6	W	7.0	4.2	7.6
2016	0.8	0.8	3.3	7.6	4.2	8.4
2017						
January	W	0.5	W	6.2	3.9	6.6
February	W	0.6	W	5.6	4.4	6.2
March	W	0.4	W	5.5	4.6	5.9
April	W	0.3	W	5.9	3.8	6.2
May	W	0.3	W	5.5	3.8	5.9
June	W	0.5	W	7.6	3.7	8.2
July	W	0.6	W	5.7	3.4	6.3
August	W	0.4	W	8.1	3.7	8.4
September	W	0.7	W	7.2	4.1	7.8
October	W	0.6	W	7.8	3.5	8.4
November	W	0.6	W	6.6	4.3	7.2
December	W	0.3	W	7.7	4.6	8.1
2017	W	0.5	W	6.6	4.0	7.1
2018						
January	W	0.4	W	8.5	3.7	8.9
February	W	0.4	W	7.2	3.6	7.7
March	W	0.4	W	7.0	3.6	7.4
April	W	0.3	W	6.7	3.5	7.0
May	W	0.4	W	8.0	3.2	8.4
June	W	0.6	W	7.4	3.0	8.1
July	W	0.5	W	6.8	3.5	7.3
August	W	0.5	W	R7.1	3.2	R7.6
September	W	0.2	W	7.6	3.6	7.8

NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 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



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

Year month	U.S. Average		PAD District 1				PAD District 2						
	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
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	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	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	38.29	38.64	34.88	W	38.50	31.11	37.62	38.85	38.97	37.87	39.95	43.07	36.22
2017													
January	48.19	48.47	46.27	W	48.14	43.95	47.16	48.20	48.11	47.67	49.16	53.17	46.07
February	49.41	49.70	46.67	W	48.74	43.99	48.89	49.35	48.82	48.09	50.12	53.79	46.62
March	46.39	46.55	43.98	W	44.89	42.42	45.17	45.90	45.69	44.33	46.26	50.19	42.85
April	47.23	47.47	45.42	W	46.33	44.62	46.52	47.08	47.05	46.23	47.55	51.67	44.63
May	45.19	45.42	42.58	W	43.72	41.56	44.58	44.55	44.46	43.69	45.09	49.23	42.24
June	42.17	42.42	39.34	W	40.60	38.25	41.26	41.16	41.11	40.38	39.87	45.79	38.87
July	43.42	43.57	40.98	W	41.63	39.75	42.75	42.61	42.51	41.81	43.63	46.97	40.40
August	44.96	45.15	41.89	W	43.20	39.95	44.68	44.15	44.05	43.08	44.77	48.72	41.48
September	47.17	47.30	43.40	W	43.46	41.94	46.33	45.61	45.46	44.60	46.22	50.54	43.07
October	49.12	49.20	46.24	W	47.09	44.52	49.29	48.53	47.51	46.79	48.02	52.26	45.39
November	55.19	55.26	51.11	W	51.76	49.02	54.94	52.85	52.64	52.05	53.32	57.31	50.32
December	56.98	57.09	52.73	W	52.83	50.63	55.94	54.24	54.13	53.38	54.82	58.52	51.77
2017	48.05	48.23	44.96	W	45.93	43.34	47.39	47.02	46.76	45.95	47.33	51.51	44.33
2018													
January	62.25	62.38	57.79	W	57.76	55.46	61.44	59.93	59.72	59.00	60.42	64.33	57.40
February	61.20	61.35	56.69	W	56.82	54.52	59.67	58.47	58.26	57.64	58.91	62.81	56.04
March	60.68	60.82	57.27	W	57.73	55.69	59.64	59.18	58.89	58.35	59.75	63.48	56.78
April	63.50	63.58	60.40	W	61.22	58.72	63.04	62.62	62.27	61.75	62.83	67.51	60.07
May	66.16	66.14	64.27	W	65.17	62.09	66.37	66.19	65.96	65.35	66.52	70.94	63.82
June	62.80	62.70	62.48	W	62.30	60.46	63.75	63.75	63.46	62.73	63.99	68.40	61.12
July	67.00	66.96	66.27	W	65.40	63.59	68.10	67.27	67.03	66.47	67.66	71.55	64.67
August	R62.64	R62.49	R61.95	W	R62.18	R60.36	65.83	64.25	64.03	63.74	64.66	68.89	R61.78
September	63.55	63.21	64.38	W	64.32	62.46	67.32	66.57	66.24	65.75	66.85	71.17	63.95

See footnotes at end of table.

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

dollars per barrel

Year month	PAD District 2 (cont.)				PAD District 3							Federal Offshore Gulf
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	
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	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	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	36.51	37.04	39.51	36.39	39.19	38.53	37.21	41.08	39.18	39.18	39.35	38.63
2017												
January	45.87	47.38	49.24	45.92	48.92	47.90	46.32	50.52	47.70	49.44	49.41	47.67
February	48.26	48.26	50.23	47.90	50.04	49.21	47.10	51.43	48.68	50.46	50.45	48.97
March	44.40	44.39	46.74	43.97	47.08	45.94	43.37	48.11	45.44	46.72	46.77	47.91
April	45.62	45.88	48.24	45.38	47.82	47.50	44.73	49.68	46.99	47.29	47.93	47.63
May	44.07	43.48	45.74	42.83	45.77	45.47	42.16	47.54	44.96	44.56	45.37	47.09
June	40.62	40.91	42.60	39.54	42.89	42.02	38.88	44.27	41.86	41.75	42.49	44.33
July	42.09	42.34	44.13	41.42	43.89	43.86	40.16	45.81	43.35	43.33	43.87	44.05
August	44.25	43.84	45.79	43.04	45.27	45.56	42.02	47.56	45.33	44.79	45.37	45.05
September	46.00	45.63	47.26	45.03	47.47	47.74	43.47	49.36	47.29	46.76	47.52	47.51
October	49.93	47.54	48.73	46.67	49.02	50.98	45.09	52.35	50.57	47.75	49.29	48.45
November	55.50	52.43	54.87	52.18	55.28	56.94	50.55	58.57	56.65	53.95	55.42	55.09
December	56.44	53.80	55.75	53.43	57.39	58.81	51.81	60.10	58.40	55.77	57.27	58.22
2017	47.04	46.14	48.41	45.60	48.50	48.34	44.60	50.37	48.06	47.90	48.57	48.46
2018												
January	61.75	59.25	61.50	59.18	62.56	63.85	57.22	65.57	63.42	61.57	62.87	61.88
February	59.65	58.01	60.22	57.96	61.89	62.04	55.97	63.51	61.25	60.85	61.78	62.60
March	58.96	58.65	61.01	58.64	61.07	60.42	56.82	62.69	60.29	60.51	61.22	60.85
April	62.48	62.01	64.37	61.65	63.53	63.69	59.74	65.82	63.41	62.86	63.84	62.81
May	65.72	65.45	67.83	65.31	65.64	67.75	62.52	69.99	67.39	63.02	65.38	67.34
June	63.01	62.82	65.35	62.37	61.79	66.92	59.79	68.65	66.31	55.59	60.18	68.51
July	67.85	66.20	69.08	66.09	66.33	73.20	64.46	74.52	72.38	60.02	65.14	71.30
August	R65.31	R62.95	R67.58	R64.32	R61.08	R66.46	R61.44	R68.81	R66.25	R54.43	R59.40	R67.61
September	66.76	65.10	68.91	64.57	61.33	70.34	63.86	71.80	69.46	52.97	59.56	69.46

See footnotes at end of table.

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

dollars per barrel

Year month	PAD District 4					PAD District 5				
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore CA
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	80.92	82.48	80.54	79.04	80.54	89.30	86.41	W	92.14	80.55
2015	40.58	40.51	40.38	40.69	40.64	43.58	41.11	W	45.63	37.62
2016	36.68	37.81	35.40	36.92	35.98	35.68	33.13	W	37.96	W
2017										
January	46.14	47.14	44.74	44.83	46.23	46.55	43.91	W	49.00	W
February	48.06	49.79	46.75	45.88	47.94	47.42	45.01	W	49.73	W
March	44.44	45.09	43.36	43.79	44.49	45.24	43.95	W	46.52	W
April	45.54	46.62	44.17	43.34	46.07	45.89	43.63	W	48.10	W
May	43.62	44.04	42.49	42.76	44.07	43.65	41.59	W	45.65	W
June	40.56	40.77	38.95	40.44	40.90	40.17	37.40	W	42.32	W
July	41.69	41.92	40.62	40.23	42.63	42.48	40.56	W	44.04	W
August	43.34	43.55	42.49	42.15	44.02	44.46	41.15	W	46.94	W
September	45.27	45.40	44.61	43.69	46.14	47.61	45.15	W	50.10	W
October	46.88	46.88	46.83	45.15	47.76	50.42	47.93	W	53.08	W
November	51.90	52.07	52.32	49.36	52.82	56.53	54.07	-	59.20	W
December	52.86	53.08	53.29	50.11	53.83	58.03	54.88	W	60.87	W
2017	45.94	46.41	44.89	44.24	46.63	47.44	45.21	W	49.54	W
2018										
January	58.46	58.71	58.60	56.49	59.06	63.33	60.38	W	66.66	W
February	57.20	57.57	57.02	55.27	57.84	61.16	58.38	W	63.89	W
March	57.73	57.93	57.01	56.65	58.24	61.13	58.55	W	64.23	W
April	61.00	61.36	60.76	59.27	61.50	65.09	62.27	W	68.19	W
May	64.47	64.72	64.02	61.55	65.63	69.57	66.50	W	73.12	W
June	61.86	62.43	61.20	58.87	62.87	67.96	64.42	W	71.66	W
July	65.25	65.53	66.34	61.19	66.86	70.55	67.92	W	72.78	W
August	R63.18	R63.52	R63.19	59.12	R64.46	R67.57	65.76	W	R69.34	W
September	64.13	65.30	63.50	60.89	64.50	71.62	69.75	W	73.67	W

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. 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 2017 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
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	86.41	90.38	89.34	95.53	94.37	92.50	85.90	85.66	82.19
2015	41.11	44.71	43.81	47.83	47.91	46.27	44.58	45.78	41.77
2016	33.13	36.83	36.12	40.37	40.56	36.75	39.20	39.44	37.86
2017									
January	43.91	47.73	47.17	50.28	49.41	45.84	49.42	48.73	47.82
February	45.01	48.71	48.06	51.11	50.41	47.07	50.62	49.25	49.94
March	43.95	45.60	45.23	48.88	47.06	45.86	46.83	45.96	45.96
April	43.63	46.90	46.78	49.94	48.50	45.80	47.50	47.23	47.56
May	41.59	44.62	44.30	48.49	46.43	45.00	44.93	44.87	45.02
June	37.40	41.43	41.01	45.29	43.26	42.38	42.08	42.27	41.83
July	40.56	43.10	42.63	46.18	44.62	42.21	43.35	43.67	43.66
August	41.15	46.03	45.63	47.90	46.41	43.13	44.94	45.16	44.72
September	45.15	49.17	48.66	49.63	48.41	46.32	47.18	47.29	46.79
October	47.93	52.02	51.69	52.16	51.67	48.72	48.56	48.10	48.57
November	54.07	W	57.91	58.58	58.13	54.02	54.75	53.89	53.58
December	54.88	W	59.24	61.19	59.89	56.49	56.64	55.83	54.88
2017	45.21	48.33	48.04	50.27	49.52	46.89	48.50	48.25	47.80
2018									
January	60.38	W	65.50	65.56	64.79	60.92	62.31	61.81	60.77
February	58.38	W	62.39	64.20	62.96	61.01	61.65	60.57	59.97
March	58.55	W	63.02	62.74	61.42	59.01	61.26	59.87	60.36
April	62.27	W	66.84	66.31	64.53	61.13	63.51	63.08	63.33
May	66.50	W	71.58	70.60	68.53	66.02	64.38	63.04	66.75
June	64.42	W	70.21	69.52	67.74	66.96	58.10	56.17	63.97
July	67.92	W	71.30	74.47	74.25	69.89	62.70	60.71	68.17
August	65.76	W	R68.14	R68.71	R67.92	R65.96	R57.09	R55.20	65.75
September	69.75	W	72.66	72.26	71.04	68.04	56.49	53.38	66.02

- = No data reported.

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. 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 2017 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
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	87.83	91.05	85.48	90.95	86.56	86.12
2015	43.88	45.71	40.73	46.82	44.67	43.65
2016	36.87	38.52	32.94	38.95	39.33	38.25
2017						
January	48.35	49.32	43.77	48.25	49.47	48.12
February	48.82	49.78	44.88	49.22	50.68	49.64
March	45.70	46.37	43.79	46.92	46.93	46.04
April	47.17	48.43	43.53	47.66	47.78	47.32
May	44.77	46.00	41.55	46.07	45.26	45.31
June	41.52	42.60	37.41	43.35	42.31	42.10
July	43.22	44.58	40.48	43.96	43.63	43.63
August	46.18	47.20	41.12	45.26	45.18	45.44
September	49.30	50.57	45.06	47.62	47.39	47.29
October	52.39	53.05	47.78	49.32	48.92	50.26
November	58.59	58.91	53.91	55.03	54.99	56.23
December	60.04	60.77	54.63	57.26	56.81	57.61
2017	48.74	49.77	45.08	48.40	48.64	48.44
2018						
January	66.17	66.46	60.05	62.38	62.46	63.07
February	62.89	63.48	57.95	61.52	61.69	61.30
March	63.44	64.34	58.17	60.30	61.35	60.68
April	67.34	67.64	61.91	63.23	63.78	63.74
May	72.16	71.97	66.28	66.19	65.06	66.59
June	70.88	70.43	64.18	63.35	59.38	63.23
July	72.00	72.24	67.59	67.62	63.90	68.35
August	R68.66	R68.70	65.42	R62.83	R58.61	R63.76
September	73.09	72.27	69.25	63.74	58.27	65.14

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. 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 2017 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

Year month	Selected countries							Persian Gulf[b]	Total OPEC[c]	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
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	W	80.75	86.55	W	95.60	-	84.51	94.03	89.76	82.95
2015	W	47.52	44.90	W	47.53	-	40.73	46.95	43.25	41.19
2016	42.68	35.28	36.22	46.20	39.30	W	34.71	38.76	38.51	34.81
2017										
January	-	47.92	45.50	W	W	-	45.94	47.61	47.30	43.25
February	W	46.97	45.91	W	51.03	-	45.69	50.01	49.11	43.63
March	W	46.05	42.10	W	48.54	-	42.47	47.78	46.83	41.73
April	W	46.76	44.32	W	50.00	W	43.71	48.93	47.16	41.46
May	W	44.70	44.85	W	47.95	-	42.27	47.14	46.08	42.66
June	W	41.30	41.86	48.88	45.41	-	39.16	44.45	43.52	40.28
July	W	44.44	44.33	50.26	46.94	-	41.72	45.95	45.40	40.39
August	W	47.16	46.33	52.18	49.33	-	45.41	48.06	48.32	41.38
September	-	W	48.06	W	53.41	-	49.22	51.74	52.36	43.26
October	-	52.69	49.01	58.58	55.44	-	52.51	50.92	53.93	44.21
November	-	W	54.66	W	60.22	W	55.88	59.12	58.89	48.57
December	-	W	55.32	W	62.09	-	58.27	60.36	61.52	49.87
2017	W	48.34	46.66	54.77	51.30	W	45.60	50.16	49.55	43.30
2018										
January	W	61.24	58.75	W	65.03	W	62.07	63.50	64.12	51.34
February	W	59.66	56.74	W	63.19	W	55.72	61.90	61.07	49.79
March	-	W	56.73	W	65.04	W	56.84	61.90	60.90	49.09
April	W	65.95	57.68	W	68.33	W	63.17	66.05	66.09	53.73
May	-	W	63.32	W	70.57	W	66.56	69.66	70.07	58.99
June	W	W	64.46	W	71.32	W	64.82	70.18	69.44	59.81
July	W	68.32	66.21	-	R70.62	-	R62.93	R70.30	R67.64	R59.84
August	W	67.29	R63.08	W	R70.47	W	R63.04	R69.64	R67.94	R57.77
September	W	W	67.76	W	72.47	W	W	71.24	71.67	58.29

- = 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), Congo (Brazzaville) (June 2018-present), Ecuador (January 2008-present), Equatorial Guinea (May 2017-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), 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 2017 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

Year month	Selected countries								Persian Gulf[a]	Total OPEC[b]	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
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	99.25	81.30	88.29	87.48	102.16	94.91	W	86.88	95.30	93.10	84.67
2015	51.73	41.99	49.53	45.51	54.70	49.78	W	42.87	49.43	47.44	44.09
2016	44.65	36.27	38.86	36.64	48.11	42.14	W	35.50	41.20	40.54	37.09
2017											
January	-	44.70	49.17	46.35	54.74	50.40	W	47.53	49.35	49.22	45.76
February	W	44.97	49.66	46.57	54.42	52.27	-	46.28	50.92	50.48	46.26
March	W	43.00	48.29	42.97	W	50.36	W	43.91	49.58	48.91	44.03
April	W	43.05	48.38	44.65	W	50.18	W	44.53	49.03	48.47	44.31
May	W	44.24	45.92	45.51	51.83	49.17	W	43.50	47.37	47.36	45.23
June	50.74	41.76	44.89	42.36	50.36	47.97	W	40.88	46.86	45.77	42.67
July	50.20	41.60	46.72	45.17	50.89	48.22	-	42.25	47.48	46.91	43.36
August	52.23	43.18	48.56	46.86	53.18	51.43	W	46.16	49.71	49.55	45.41
September	56.59	45.14	52.43	49.63	57.99	55.03	W	50.98	52.93	53.53	47.42
October	W	45.68	53.95	50.28	59.35	58.34	W	53.05	55.14	55.71	48.21
November	61.03	51.16	59.52	55.47	64.27	61.66	62.24	57.19	59.63	59.83	53.67
December	W	51.15	61.58	56.01	67.20	63.52	-	58.80	61.48	62.13	53.90
2017	54.17	44.93	50.60	47.73	56.48	52.56	56.11	47.02	51.42	51.26	46.67
2018											
January	66.55	51.20	63.25	59.85	69.15	64.81	W	62.79	63.94	64.83	54.64
February	W	48.23	62.55	57.37	69.60	65.30	68.19	55.98	63.21	62.93	52.91
March	70.27	47.01	63.59	56.99	70.59	66.77	W	57.72	63.72	63.56	51.07
April	W	52.22	66.34	58.62	W	69.44	73.82	63.51	67.09	66.99	56.36
May	W	58.19	70.63	64.03	79.38	71.28	W	67.45	70.85	71.50	61.72
June	76.28	58.57	70.64	65.38	W	72.17	72.88	65.81	71.49	70.65	62.95
July	75.55	R58.99	71.20	66.82	W	R72.56	-	R63.67	R71.62	R70.54	R62.54
August	R75.45	R56.91	R68.79	R64.08	W	R71.26	R72.41	R63.93	R70.53	R69.70	R60.90
September	75.83	52.24	72.65	69.46	W	73.44	W	70.05	72.85	72.78	58.59

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R = Revised data.

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

[b] Includes Algeria, Angola (January 2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (January 2008-present), Equatorial Guinea (May 2017-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Saudi Arabia, United Arab Emirates and Venezuela.

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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
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	82.40	80.16	92.53	93.77	94.26	99.49	W
2015	40.07	38.33	47.33	47.85	49.98	54.59	W
2016	34.05	32.66	38.81	40.61	42.86	48.63	46.94
2017							
January	44.96	41.08	47.97	50.43	50.01	-	W
February	44.33	42.25	48.44	50.86	50.29	51.84	W
March	41.90	39.38	47.25	49.76	50.83	52.79	W
April	42.29	40.12	45.56	49.43	48.69	49.92	W
May	41.78	40.50	45.29	49.71	48.59	51.24	50.00
June	38.25	38.65	43.53	46.21	46.53	45.83	W
July	39.97	39.42	45.14	45.78	46.32	48.92	W
August	42.21	40.85	45.53	48.82	47.92	52.34	W
September	44.11	41.26	48.71	52.16	51.74	56.00	W
October	46.80	43.13	50.77	52.29	55.45	58.11	W
November	50.59	47.79	56.14	59.46	57.06	W	W
December	49.05	48.91	59.48	61.16	58.35	W	W
2017	43.78	41.82	48.78	51.08	50.31	54.70	54.12
2018							
January	57.20	49.82	56.18	62.44	60.12	66.11	W
February	53.01	46.68	54.95	62.04	57.83	65.11	W
March	53.41	45.84	57.90	61.95	60.18	69.20	W
April	57.32	51.45	65.73	66.67	64.74	71.91	W
May	62.76	55.69	65.41	69.28	70.82	W	W
June	61.21	57.70	63.29	69.09	69.54	75.58	W
July	R59.86	58.01	68.71	R69.06	67.39	72.74	W
August	R60.37	R54.80	R67.28	R68.69	R66.80	71.09	W
September	59.32	56.33	72.49	73.14	69.80	W	W

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R = Revised data.

[a] Free on Board. See Glossary

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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
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	85.31	81.44	93.64	95.20	94.50	100.17	100.25
2015	43.20	41.14	49.58	50.16	50.78	54.54	51.70
2016	35.85	34.78	41.73	42.14	44.49	48.15	48.93
2017							
January	46.52	43.27	49.62	51.69	51.39	W	W
February	46.12	44.24	50.49	52.71	52.73	55.13	W
March	44.21	41.81	48.25	51.10	51.65	53.80	53.72
April	44.28	42.59	48.59	50.09	50.76	51.84	W
May	43.89	43.00	46.79	50.28	51.27	53.66	51.87
June	41.20	41.00	46.56	48.38	48.71	48.07	49.17
July	41.85	42.09	47.78	48.09	48.15	49.96	50.85
August	44.66	43.88	50.02	51.01	50.88	53.53	52.58
September	47.52	45.72	52.08	54.60	52.54	56.15	W
October	49.69	46.93	54.88	56.69	55.55	59.03	58.12
November	54.62	51.78	59.98	61.24	58.86	64.22	65.83
December	54.38	51.81	61.38	62.87	61.80	64.66	W
2017	46.51	44.75	51.46	53.12	52.48	55.74	55.70
2018							
January	58.31	52.94	62.54	64.22	61.62	68.53	69.67
February	54.33	49.87	61.17	64.20	65.10	66.15	68.83
March	54.30	48.32	61.15	65.40	62.69	67.41	W
April	59.86	52.58	65.46	69.52	68.10	70.77	W
May	65.28	58.51	70.58	71.21	72.86	75.40	W
June	64.58	60.28	67.84	71.14	69.85	76.54	W
July	R62.24	R60.25	R69.86	R72.16	R69.74	74.18	76.47
August	R61.90	R57.86	R66.86	R70.80	R69.48	72.51	W
September	61.07	56.43	69.04	73.34	71.56	75.57	W

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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
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	18.49	36.73	9.78	26.96	7.19	0.75	0.11
2015	19.51	38.05	8.63	26.17	7.15	0.43	0.06
2016	16.70	38.88	8.43	24.92	8.42	1.43	1.22
2017							
January	16.05	43.19	8.84	23.07	8.10	W	W
February	14.94	42.19	8.04	23.23	7.71	W	W
March	15.78	39.44	8.08	26.54	5.99	1.25	2.92
April	15.21	43.07	7.54	21.93	9.02	W	W
May	17.09	38.96	11.04	20.33	8.31	1.85	2.42
June	18.76	41.44	9.14	19.98	7.01	1.40	2.27
July	17.96	36.93	13.79	19.68	7.08	2.19	2.38
August	19.77	39.42	9.53	18.00	8.56	2.31	2.41
September	19.59	35.45	8.96	23.72	7.29	W	W
October	21.94	39.17	11.64	16.25	7.43	1.85	1.72
November	19.54	39.06	10.21	21.74	6.24	1.26	1.94
December	14.54	41.58	11.58	21.30	5.52	W	W
2017	17.58	39.99	9.88	21.31	7.37	1.93	1.95
2018							
January	13.96	45.67	8.34	21.97	5.41	2.29	2.37
February	14.75	41.07	10.72	22.98	5.71	2.81	1.95
March	14.87	40.44	11.29	24.42	4.69	W	W
April	15.21	42.07	8.02	24.60	5.56	W	W
May	15.55	42.03	11.03	19.69	8.98	W	W
June	19.56	39.42	9.38	21.30	5.31	W	W
July	R17.27	R39.84	R10.16	R23.01	R5.58	R3.37	R0.77
August	R17.48	R41.02	R8.77	R21.19	R8.14	W	W
September	18.98	42.12	10.27	18.87	7.00	W	W

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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 2017 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
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	75.42	92.96	85.83	W	89.86
2015	W	47.59	43.49	W	43.82
2016	-	36.73	36.39	W	37.72
2017					
January	-	46.71	45.74	W	45.80
February	W	W	45.88	W	45.95
March	-	46.99	42.30	W	W
1st quarter average	W	47.09	44.76	W	44.72
April	-	W	44.54	W	W
May	-	W	44.98	W	W
June	-	W	42.07	W	W
2nd quarter average	-	44.27	43.74	W	44.88
July	-	W	44.33	W	W
August	-	W	46.40	-	W
September	-	W	48.11	W	-
3rd quarter average	-	W	45.93	W	W
October	-	W	49.01	-	W
November	-	W	54.73	-	W
December	-	W	55.32	W	-
4th quarter average	-	55.65	53.28	W	52.71
2017	W	49.10	46.82	W	45.62
2018					
January	-	W	59.05	-	W
February	-	W	56.82	-	-
March	-	59.95	56.98	-	-
1st quarter average	-	60.11	57.49	-	W
April	-	64.98	57.87	-	W
May	-	68.23	63.55	-	-
June	-	W	64.61	-	-
2nd quarter average	-	66.48	62.28	-	W
July	-	W	66.35	-	W
August	-	W	63.27	-	W
September	-	W	67.95	-	W
3rd quarter average	-	W	65.79	-	W

- = 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 streams 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 2017 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
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	-	93.08	76.90	85.10	81.87
2015	W	47.77	38.90	47.18	38.51
2016	49.82	W	33.43	40.04	W
2017					
January	-	-	41.70	48.94	W
February	W	-	43.43	50.94	W
March	W	W	39.96	47.85	-
1st quarter average	W	W	41.57	48.98	W
April	W	W	40.36	48.77	-
May	53.31	-	42.47	48.62	-
June	W	-	40.38	45.23	-
2nd quarter average	51.76	W	41.10	47.52	-
July	W	W	41.14	45.27	-
August	W	W	42.45	47.44	-
September	W	-	44.26	48.17	W
3rd quarter average	W	W	42.63	47.07	W
October	-	-	44.60	51.49	W
November	W	-	50.88	57.58	W
December	64.88	-	49.51	57.99	-
4th quarter average	65.06	-	47.66	56.11	W
2017	54.96	50.40	43.02	50.08	42.28
2018					
January	70.13	-	45.68	57.22	W
February	W	W	38.64	60.89	W
March	W	W	39.89	59.46	-
1st quarter average	68.55	W	41.88	58.42	W
April	W	-	43.61	63.00	W
May	W	-	53.66	65.07	W
June	W	-	55.69	61.96	-
2nd quarter average	75.40	-	51.89	63.32	W
July	73.97	-	56.25	67.99	-
August	74.53	-	52.40	65.31	-
September	W	-	45.23	62.01	-
3rd quarter average	74.55	-	51.15	64.80	-

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
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	91.65	93.11	96.95	86.49	W
2015	49.65	41.84	49.50	44.08	59.92
2016	40.68	37.46	39.90	36.79	W
2017					
January	51.02	W	48.34	46.58	-
February	W	W	50.16	46.55	-
March	49.90	46.39	48.28	43.12	-
1st quarter average	50.39	47.12	48.89	45.54	-
April	49.89	49.17	47.51	44.90	-
May	47.80	44.72	46.06	45.60	W
June	45.70	W	45.87	42.50	-
2nd quarter average	47.85	45.00	46.45	44.23	W
July	46.85	W	47.30	45.15	-
August	49.26	47.76	49.83	46.91	-
September	51.57	48.06	51.27	49.67	-
3rd quarter average	49.31	45.95	49.24	46.95	-
October	54.53	54.93	53.10	50.26	-
November	60.82	W	58.61	55.48	-
December	62.10	60.50	60.05	56.04	-
4th quarter average	60.14	58.14	57.23	54.05	-
2017	51.93	49.18	50.73	47.87	W
2018					
January	66.34	W	64.01	59.90	-
February	65.05	W	60.97	57.42	-
March	63.11	60.38	61.65	57.11	-
1st quarter average	65.06	60.72	62.05	58.22	-
April	68.05	63.50	65.78	58.58	-
May	73.52	W	69.98	64.17	-
June	71.04	66.83	69.31	65.46	-
2nd quarter average	70.28	65.56	68.13	63.22	-
July	74.01	68.84	R70.02	66.89	-
August	70.12	66.98	68.73	R64.11	-
September	W	68.28	72.84	69.55	-
3rd quarter average	72.42	68.12	70.55	66.52	-

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
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	W	96.83	94.47	96.68	91.73
2015	W	50.00	48.66	52.83	45.77
2016	W	41.25	41.62	45.62	38.97
2017					
January	W	51.78	49.33	51.41	47.49
February	W	52.91	50.81	53.95	47.09
March	W	50.62	49.73	51.23	43.92
1st quarter average	W	51.58	49.90	52.17	46.25
April	W	50.42	49.05	51.78	46.49
May	W	48.91	48.31	51.28	W
June	W	47.76	47.55	50.19	43.21
2nd quarter average	W	49.17	48.28	51.22	45.96
July	W	48.58	47.13	W	W
August	-	W	50.62	W	W
September	W	55.51	54.39	W	W
3rd quarter average	W	52.15	50.96	W	W
October	-	W	58.14	W	W
November	-	62.41	60.95	W	W
December	W	63.85	61.88	66.30	W
4th quarter average	W	62.24	60.12	64.36	53.18
2017	W	53.27	51.60	52.68	47.38
2018					
January	W	65.72	62.32	W	W
February	W	65.47	64.58	66.71	W
March	-	66.73	66.64	W	W
1st quarter average	W	65.98	64.62	67.76	W
April	W	69.16	70.16	69.08	W
May	-	71.59	70.47	W	W
June	-	72.30	71.03	74.50	-
2nd quarter average	W	70.95	70.51	72.38	64.47
July	-	R72.63	R71.91	R74.41	W
August	-	R71.19	R70.95	R73.55	W
September	-	72.69	74.04	75.02	W
3rd quarter average	-	72.30	71.76	74.25	W

- = No data reported.

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Notes: - Effective January 2009, selected crude streams were discontinued and new crude streams 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 2017 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

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
United States												
September 2018	2.352	2.189	2.093	2.679	2.483	2.296	2.897	NA	2.446	2.431	2.214	2.136
August 2018	2.348	2.166	2.075	2.662	2.475	2.270	2.881	NA	2.421	2.424	2.192	2.118
September 2017	2.082	1.898	1.781	2.386	NA	1.977	2.593	NA	2.152	2.157	1.921	1.826
PAD District 1												
September 2018	2.214	W	2.019	2.470	W	2.199	2.683	W	2.356	2.282	W	2.060
August 2018	2.220	W	2.018	2.477	W	2.201	2.690	W	2.353	2.287	W	2.058
September 2017	2.083	NA	1.799	2.333	W	1.984	2.546	W	2.164	2.148	NA	1.844
Subdistrict 1A												
September 2018	W	W	2.090	W	-	2.260	W	-	2.363	W	W	2.128
August 2018	W	W	2.102	W	-	2.267	W	-	2.365	W	W	2.139
September 2017	W	W	1.839	W	-	1.940	W	-	2.137	W	W	1.880
Connecticut												
September 2018	-	W	2.097	-	-	2.227	-	-	2.399	-	W	2.142
August 2018	-	W	2.109	-	-	2.228	-	-	2.400	-	W	2.152
September 2017	-	W	1.838	-	-	1.961	-	-	2.153	-	W	1.890
Maine												
September 2018	-	-	2.136	-	-	W	-	-	W	-	-	2.163
August 2018	-	-	2.142	-	-	W	-	-	W	-	-	2.173
September 2017	-	-	1.858	-	-	W	-	-	W	-	-	1.880
Massachusetts												
September 2018	W	-	2.067	W	-	2.159	W	-	2.296	W	-	2.099
August 2018	W	-	2.081	W	-	2.182	W	-	2.288	W	-	2.109
September 2017	W	-	1.837	W	-	1.983	W	-	2.118	W	-	1.876
New Hampshire												
September 2018	W	-	W	W	-	-	W	-	W	W	-	W
August 2018	W	-	W	W	-	W	W	-	W	W	-	W
September 2017	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
September 2018	W	-	W	W	-	W	W	-	2.325	W	-	2.114
August 2018	W	-	W	W	-	W	W	-	2.328	W	-	2.126
September 2017	W	-	NA	W	-	W	W	-	W	W	-	W
Vermont												
September 2018	-	-	2.066	-	-	W	-	-	2.379	-	-	W
August 2018	-	-	2.080	-	-	W	-	-	2.389	-	-	W
September 2017	-	-	W	-	-	W	-	-	2.132	-	-	1.857
Subdistrict 1B												
September 2018	2.256	W	2.041	2.489	-	2.166	2.678	-	2.328	2.330	W	2.077
August 2018	2.258	-	2.056	2.491	-	2.176	2.683	-	2.333	2.331	-	2.091
September 2017	2.078	-	1.794	2.321	-	1.922	2.516	-	2.109	2.155	-	1.836
Delaware												
September 2018	W	-	2.043	W	-	2.174	W	-	2.281	W	-	2.066
August 2018	W	-	2.064	W	-	2.169	W	-	2.280	W	-	2.086
September 2017	W	-	1.809	W	-	1.930	W	-	2.076	W	-	1.837
District of Columbia												
September 2018	-	-	-	-	-	-	-	-	-	-	-	-
August 2018	-	-	-	-	-	-	-	-	-	-	-	-
September 2017	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
September 2018	-	-	2.021	-	-	2.105	-	-	2.269	-	-	2.055
August 2018	-	-	2.027	-	-	2.117	-	-	2.269	-	-	2.062
September 2017	-	-	1.778	-	-	1.891	-	-	2.085	-	-	1.823
New Jersey												
September 2018	W	-	2.025	W	-	2.154	W	-	2.281	W	-	2.056
August 2018	W	-	2.044	W	-	2.168	W	-	2.281	W	-	2.073
September 2017	W	-	1.788	W	-	1.931	W	-	2.079	W	-	1.824
New York												
September 2018	2.283	W	2.078	2.501	-	2.358	2.690	-	2.411	2.358	W	2.135
August 2018	2.287	-	2.090	2.507	-	2.334	2.697	-	2.417	2.361	-	2.147
September 2017	2.106	-	1.830	2.335	-	2.042	2.525	-	2.170	2.183	-	1.887
Pennsylvania												
September 2018	W	-	2.040	W	-	2.185	W	-	2.322	W	-	2.062
August 2018	W	-	2.057	W	-	2.192	W	-	2.324	W	-	2.077
September 2017	W	-	1.776	W	-	1.902	W	-	2.079	W	-	1.807

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

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
Subdistrict 1C												
September 2018	W	W	1.997	W	W	2.204	W	W	2.373	W	W	2.041
August 2018	W	W	1.984	W	W	2.202	W	W	2.365	W	W	2.028
September 2017	W	NA	1.797	W	W	2.006	W	W	2.207	W	NA	1.845
Florida												
September 2018	W	2.078	2.018	W	-	2.266	W	W	2.405	W	2.079	2.067
August 2018	W	2.073	2.002	W	-	2.263	W	W	2.386	W	2.075	2.050
September 2017	W	W	1.825	W	-	2.084	W	W	2.236	W	W	1.880
Georgia												
September 2018	W	W	1.985	W	-	2.162	W	-	2.393	W	W	2.031
August 2018	W	W	1.984	W	-	2.154	W	-	2.402	W	W	2.032
September 2017	W	W	1.793	W	-	1.962	W	-	2.228	W	W	1.844
North Carolina												
September 2018	W	W	1.975	W	-	2.205	W	W	2.360	W	W	2.022
August 2018	W	W	1.951	W	-	2.201	W	W	2.336	W	W	1.995
September 2017	W	-	1.785	W	-	2.022	W	-	2.203	W	-	1.832
South Carolina												
September 2018	W	W	1.973	W	W	2.221	W	W	2.371	W	W	2.013
August 2018	W	W	1.946	W	W	2.204	W	W	2.343	W	W	1.983
September 2017	W	W	1.780	W	W	2.002	W	W	2.205	W	W	1.821
Virginia												
September 2018	-	-	2.002	-	-	2.120	-	-	2.299	-	-	2.039
August 2018	-	-	2.006	-	-	2.137	-	-	2.320	-	-	2.044
September 2017	W	-	1.782	W	-	1.919	W	-	2.122	W	-	1.822
West Virginia												
September 2018	W	W	2.049	W	-	2.262	W	-	2.531	W	W	2.069
August 2018	W	W	2.039	W	-	2.249	W	-	2.414	W	W	2.062
September 2017	W	W	1.716	W	-	1.932	W	-	2.221	W	W	1.742
PAD District 2												
September 2018	W	2.156	2.058	2.528	W	2.211	W	2.491	2.410	W	2.181	2.088
August 2018	W	2.178	2.035	2.530	W	2.190	W	2.445	2.405	W	2.194	2.067
September 2017	W	1.818	1.688	2.185	W	1.845	W	W	2.064	W	1.838	1.721
Illinois												
September 2018	W	2.273	2.065	W	-	2.221	W	-	2.419	W	2.273	2.102
August 2018	W	2.307	2.063	W	-	2.208	W	-	2.433	W	2.307	2.101
September 2017	W	2.042	1.688	W	-	1.833	W	-	2.052	W	2.042	1.724
Indiana												
September 2018	W	W	2.046	W	-	2.229	W	-	2.440	W	W	2.073
August 2018	W	W	2.025	W	-	2.234	W	-	2.438	W	W	2.054
September 2017	W	W	1.626	W	-	1.804	W	-	2.047	W	W	1.657
Iowa												
September 2018	-	W	2.103	-	-	2.211	-	-	2.404	-	W	2.136
August 2018	-	W	2.039	-	-	2.153	-	-	2.358	-	W	2.074
September 2017	-	W	1.711	-	-	1.829	-	-	2.029	-	W	1.749
Kansas												
September 2018	W	W	2.068	W	W	2.187	-	-	2.282	W	W	2.088
August 2018	W	W	2.028	W	W	2.155	-	-	2.267	W	W	2.047
September 2017	W	W	1.686	W	W	1.811	-	-	1.936	W	W	1.707
Kentucky												
September 2018	W	W	2.042	W	-	2.215	W	W	2.436	W	W	2.065
August 2018	W	W	2.043	W	-	2.231	W	W	2.447	W	W	2.067
September 2017	W	W	1.795	W	W	1.958	W	W	2.223	W	W	1.821
Michigan												
September 2018	W	W	2.060	W	-	2.401	W	W	2.565	W	W	2.093
August 2018	W	W	2.060	W	-	NA	W	W	2.579	W	W	2.096
September 2017	W	W	1.654	W	-	1.871	W	W	2.172	W	W	1.688
Minnesota												
September 2018	W	W	2.097	W	W	2.186	W	W	2.336	W	W	2.120
August 2018	W	W	2.044	W	W	2.168	W	W	2.322	W	W	2.073
September 2017	W	W	1.700	W	W	1.784	W	-	1.933	W	W	1.724
Missouri												
September 2018	-	W	2.054	-	-	2.189	-	-	2.353	-	W	2.077
August 2018	-	W	2.021	-	-	2.160	-	-	2.327	-	W	2.044
September 2017	-	W	1.711	-	-	1.853	-	-	2.064	-	W	1.736

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

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
PAD District 2 (cont.)												
Nebraska												
September 2018	W	W	2.099	W	-	2.216	-	-	2.380	W	W	2.127
August 2018	W	W	2.037	W	-	2.153	-	-	2.343	W	W	2.067
September 2017	W	W	1.716	W	-	1.879	-	-	2.026	W	W	1.750
North Dakota												
September 2018	W	W	2.148	W	W	2.282	W	W	2.528	W	W	2.185
August 2018	W	W	2.108	W	W	2.249	W	W	2.479	W	W	2.146
September 2017	W	W	1.754	W	W	1.920	W	-	2.184	W	W	1.799
Ohio												
September 2018	W	W	2.056	W	-	2.297	W	W	2.498	W	W	2.088
August 2018	W	W	2.038	W	-	2.303	W	W	2.502	W	W	2.072
September 2017	W	W	1.642	W	-	1.882	W	W	2.129	W	W	1.677
Oklahoma												
September 2018	W	W	2.101	W	-	2.227	W	-	2.300	W	W	2.122
August 2018	W	W	2.037	W	-	NA	W	-	2.273	W	W	2.064
September 2017	W	W	1.713	W	-	1.852	W	-	1.977	W	W	1.745
South Dakota												
September 2018	W	W	2.143	W	W	2.207	W	W	2.470	W	W	2.170
August 2018	W	W	2.100	W	W	2.188	W	W	2.442	W	W	2.137
September 2017	W	W	1.726	W	W	1.807	W	-	2.054	W	W	1.758
Tennessee												
September 2018	W	W	1.963	W	-	2.116	W	W	2.306	W	W	1.993
August 2018	W	W	1.948	W	-	2.114	W	W	2.291	W	W	1.980
September 2017	W	W	1.727	W	-	1.903	W	W	2.104	W	W	1.764
Wisconsin												
September 2018	W	W	2.101	W	-	2.244	W	W	2.522	W	W	2.136
August 2018	W	W	2.061	W	-	2.220	W	W	2.505	W	W	2.102
September 2017	W	W	1.696	W	-	1.841	W	W	2.100	W	W	1.731
PAD District 3												
September 2018	2.311	2.116	2.002	2.567	W	2.151	2.801	2.374	2.261	2.369	2.155	2.025
August 2018	2.316	2.061	2.004	2.580	W	2.149	2.817	W	2.265	2.375	2.109	2.030
September 2017	2.076	1.792	1.723	2.264	-	1.893	2.462	W	2.062	2.125	1.821	1.753
Alabama												
September 2018	-	W	1.967	-	-	2.241	-	W	2.390	-	W	2.005
August 2018	-	W	1.952	-	-	2.237	-	W	2.366	-	W	1.990
September 2017	-	W	1.753	-	-	2.035	-	W	2.203	-	W	1.793
Arkansas												
September 2018	-	-	2.030	-	-	2.183	-	-	2.326	-	-	2.054
August 2018	-	-	2.007	-	-	2.182	-	-	2.311	-	-	2.031
September 2017	-	-	1.712	-	-	1.888	-	-	2.057	-	-	1.741
Louisiana												
September 2018	-	W	1.994	-	-	2.128	-	-	2.224	-	W	2.021
August 2018	-	W	1.982	-	-	2.125	-	-	2.185	-	W	2.009
September 2017	-	W	1.709	-	-	1.854	-	-	2.071	-	W	1.732
Mississippi												
September 2018	-	-	1.993	-	-	2.150	-	-	2.371	-	-	2.011
August 2018	-	-	1.972	-	-	2.128	-	-	2.354	-	-	1.992
September 2017	-	-	1.724	-	-	1.976	-	-	2.182	-	-	1.748
New Mexico												
September 2018	2.339	W	2.142	2.586	-	2.277	W	W	2.479	2.407	W	2.183
August 2018	2.348	W	2.082	2.587	-	2.197	W	W	2.433	2.414	W	2.126
September 2017	2.072	W	1.790	2.237	-	1.916	W	W	2.142	2.121	W	1.833
Texas												
September 2018	W	W	2.002	W	W	2.118	W	-	2.234	W	W	2.022
August 2018	W	W	2.016	W	W	2.117	W	W	2.255	W	W	2.039
September 2017	W	W	1.721	W	-	1.849	W	-	2.034	W	W	1.751

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

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
PAD District 4												
September 2018	W	2.404	2.212	2.737	W	2.415	3.062	W	2.549	W	2.485	2.273
August 2018	W	2.405	2.280	2.681	W	2.509	2.987	W	2.635	W	2.535	2.346
September 2017	W	2.018	1.835	2.340	W	2.014	2.602	W	2.173	W	2.057	1.896
Colorado												
September 2018	W	2.398	2.281	2.715	W	2.454	W	W	2.677	2.604	2.439	2.352
August 2018	W	2.356	2.161	2.618	W	2.341	W	W	2.571	2.513	2.380	2.236
September 2017	W	2.054	1.822	2.358	W	1.972	W	W	2.225	2.224	2.057	1.892
Idaho												
September 2018	W	W	2.204	W	W	2.356	W	NA	2.464	W	W	2.243
August 2018	W	W	2.511	W	W	2.645	W	NA	2.747	W	W	2.547
September 2017	W	W	1.934	W	W	2.085	W	W	2.184	W	W	1.971
Montana												
September 2018	W	W	2.245	W	W	W	W	W	2.709	W	W	2.317
August 2018	W	W	2.196	W	W	W	W	W	2.660	W	W	2.275
September 2017	W	W	1.877	W	W	2.022	W	W	2.351	W	W	1.956
Utah												
September 2018	W	W	2.097	W	W	2.385	W	-	2.337	W	W	2.153
August 2018	W	W	2.435	W	W	2.761	W	-	2.679	W	W	2.492
September 2017	W	W	1.798	W	W	2.077	W	NA	2.035	W	W	1.853
Wyoming												
September 2018	W	W	2.164	W	-	2.453	W	-	W	W	W	2.230
August 2018	W	W	2.240	W	-	2.404	W	-	W	W	W	2.301
September 2017	W	W	1.795	W	-	1.912	W	-	2.195	W	W	1.855
PAD District 5												
September 2018	2.749	2.531	2.356	2.947	2.729	2.549	3.085	2.748	2.629	2.830	2.553	2.409
August 2018	2.719	2.414	2.269	2.903	NA	2.449	3.041	2.654	2.529	2.795	2.438	2.318
September 2017	2.381	2.147	1.963	2.556	NA	2.133	2.693	2.417	2.243	2.458	2.159	2.016
Alaska												
September 2018	W	W	W	W	-	W	W	W	2.723	W	W	W
August 2018	W	W	W	W	-	W	W	W	2.607	W	W	W
September 2017	W	W	W	W	W	W	W	W	2.480	W	W	W
Arizona												
September 2018	W	W	2.197	W	W	2.414	W	W	2.438	W	W	2.227
August 2018	W	W	2.141	W	W	2.367	W	W	2.379	W	W	2.170
September 2017	W	W	1.810	W	W	1.982	W	W	2.084	W	W	1.844
California												
September 2018	2.798	W	2.445	2.991	-	2.587	3.110	-	2.686	2.882	W	2.497
August 2018	2.759	NA	2.335	2.939	W	2.460	3.056	-	2.567	2.838	NA	2.385
September 2017	2.415	2.094	2.034	2.579	W	2.168	W	-	2.296	2.494	2.105	2.089
Hawaii												
September 2018	W	W	W	W	W	W	W	W	W	W	W	W
August 2018	W	W	W	W	W	W	W	-	W	W	W	W
September 2017	W	W	W	W	W	W	W	W	W	W	W	W
Nevada												
September 2018	W	W	2.243	W	-	2.378	W	-	2.474	W	W	2.289
August 2018	W	W	2.178	W	-	2.346	W	-	2.404	W	W	2.224
September 2017	W	W	1.852	W	-	1.960	W	W	2.071	W	1.994	1.899
Oregon												
September 2018	2.669	-	2.191	2.865	-	2.378	2.984	-	2.475	2.718	-	2.226
August 2018	2.686	-	2.145	2.881	-	2.345	2.999	-	2.433	2.735	-	2.180
September 2017	2.418	-	1.855	2.576	-	2.021	2.698	-	2.130	2.462	-	1.887
Washington												
September 2018	2.475	W	2.253	2.722	W	2.478	2.880	W	2.564	2.537	W	2.305
August 2018	2.461	W	2.194	2.716	W	2.429	2.876	W	2.515	2.525	W	2.248
September 2017	2.301	W	1.865	2.492	W	2.090	2.633	W	2.176	2.359	W	1.916

- = 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 2017 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 2018	W	3.122	2.256	2.214	3.189	2.246
August 2018	W	3.085	2.183	2.148	3.272	2.169
September 2017	W	2.893	1.795	1.771	2.703	1.809
PAD District 1						
September 2018	W	3.139	2.251	2.226	3.098	2.328
August 2018	W	3.169	2.185	2.170	3.199	2.470
September 2017	W	2.977	1.863	1.835	2.596	2.175
Subdistrict 1A						
September 2018	-	W	2.313	2.284	W	-
August 2018	W	W	2.264	2.218	W	-
September 2017	W	W	1.946	1.900	W	W
Connecticut						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	W	-	-
Maine						
September 2018	-	W	W	W	-	-
August 2018	W	W	W	W	-	-
September 2017	W	W	W	W	-	-
Massachusetts						
September 2018	-	-	2.281	2.280	W	-
August 2018	-	-	W	2.213	W	-
September 2017	-	-	1.905	1.898	W	-
New Hampshire						
September 2018	-	-	W	W	W	-
August 2018	-	-	W	W	W	-
September 2017	-	-	W	W	W	-
Rhode Island						
September 2018	-	-	W	W	W	-
August 2018	-	-	W	W	W	-
September 2017	-	-	W	W	W	-
Vermont						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	W	-	W
Subdistrict 1B						
September 2018	W	3.261	2.262	2.207	3.098	2.314
August 2018	W	3.269	2.194	2.159	3.206	2.402
September 2017	W	2.963	1.866	1.824	2.625	2.015
Delaware						
September 2018	-	-	-	-	W	W
August 2018	-	-	-	W	W	-
September 2017	-	-	-	W	W	-
District of Columbia						
September 2018	-	-	-	-	-	-
August 2018	-	-	-	-	-	-
September 2017	-	-	-	-	-	-
Maryland						
September 2018	-	-	W	2.221	-	W
August 2018	-	-	W	2.166	-	W
September 2017	-	-	W	1.796	-	W
New Jersey						
September 2018	-	-	2.250	2.218	W	W
August 2018	-	W	2.178	2.159	W	-
September 2017	-	W	1.855	NA	W	W
New York						
September 2018	W	W	2.270	2.306	W	2.526
August 2018	W	W	2.212	2.250	W	2.388
September 2017	-	W	1.880	1.905	W	W
Pennsylvania						
September 2018	-	W	W	2.182	3.147	W
August 2018	W	W	W	2.156	3.408	-
September 2017	W	W	W	1.826	2.681	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 2018	W	3.094	2.238	2.266	W	2.668
August 2018	-	3.127	2.170	2.195	W	W
September 2017	W	2.978	1.849	1.832	W	W
Florida						
September 2018	-	3.044	2.240	2.278	W	-
August 2018	-	3.072	2.178	2.203	W	-
September 2017	-	2.933	NA	1.832	W	-
Georgia						
September 2018	W	W	W	2.276	-	W
August 2018	-	W	W	2.192	-	-
September 2017	W	W	W	1.802	-	-
North Carolina						
September 2018	-	W	W	2.209	W	W
August 2018	-	W	W	2.153	W	W
September 2017	-	W	W	W	W	W
South Carolina						
September 2018	-	-	W	2.269	W	W
August 2018	-	-	W	2.205	W	W
September 2017	-	-	W	1.844	W	W
Virginia						
September 2018	-	W	2.221	W	-	W
August 2018	-	W	2.148	W	-	W
September 2017	-	W	1.820	W	-	W
West Virginia						
September 2018	-	-	W	W	W	-
August 2018	-	-	W	W	W	-
September 2017	-	-	W	W	W	-
PAD District 2						
September 2018	W	3.157	2.263	2.247	W	2.741
August 2018	W	3.131	2.194	2.172	W	2.610
September 2017	W	2.889	1.822	1.810	W	2.251
Illinois						
September 2018	W	W	2.291	W	W	W
August 2018	W	W	2.224	W	W	W
September 2017	W	W	1.836	W	W	W
Indiana						
September 2018	-	-	2.249	2.258	W	W
August 2018	-	-	2.180	2.180	W	W
September 2017	-	-	1.765	1.785	W	2.500
Iowa						
September 2018	-	-	W	2.311	-	-
August 2018	-	-	W	2.232	-	W
September 2017	-	-	W	1.890	-	-
Kansas						
September 2018	W	W	W	W	-	W
August 2018	W	W	W	W	-	W
September 2017	W	W	W	W	-	W
Kentucky						
September 2018	W	W	2.238	2.227	W	W
August 2018	W	W	2.169	2.154	W	W
September 2017	W	W	W	1.801	W	W
Michigan						
September 2018	-	-	W	2.212	W	W
August 2018	-	-	W	2.138	W	W
September 2017	-	-	1.861	1.767	W	W
Minnesota						
September 2018	W	W	2.235	W	W	W
August 2018	W	W	2.170	W	W	W
September 2017	W	W	W	W	W	NA
Missouri						
September 2018	W	-	W	W	-	-
August 2018	W	W	W	W	-	-
September 2017	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 2018	W	-	W	W	-	-
August 2018	W	-	W	W	-	-
September 2017	W	-	W	W	-	-
North Dakota						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	W	-	-
Ohio						
September 2018	W	W	2.276	2.218	W	W
August 2018	W	W	2.204	2.143	W	W
September 2017	-	W	1.862	1.777	W	W
Oklahoma						
September 2018	W	-	W	2.267	-	W
August 2018	W	-	W	2.184	-	W
September 2017	W	-	W	1.882	-	W
South Dakota						
September 2018	-	-	W	-	-	-
August 2018	-	-	W	-	-	W
September 2017	-	-	W	-	-	W
Tennessee						
September 2018	W	W	2.220	2.250	W	W
August 2018	W	W	2.145	2.177	W	W
September 2017	W	W	W	1.827	W	W
Wisconsin						
September 2018	-	-	2.300	W	W	W
August 2018	-	-	2.244	W	W	W
September 2017	-	-	W	W	W	NA
PAD District 3						
September 2018	W	2.921	2.259	2.183	-	2.211
August 2018	W	2.883	2.163	2.117	-	2.155
September 2017	W	2.738	1.808	1.733	-	1.770
Alabama						
September 2018	-	W	2.269	2.256	-	W
August 2018	-	W	2.198	2.179	-	W
September 2017	-	W	1.843	1.829	-	W
Arkansas						
September 2018	W	W	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	W	-	W	1.937	-	-
Louisiana						
September 2018	-	2.965	2.197	2.182	-	W
August 2018	-	2.965	2.120	2.114	-	W
September 2017	W	2.868	1.800	1.698	-	W
Mississippi						
September 2018	-	W	2.198	2.148	-	-
August 2018	-	W	2.138	2.107	-	-
September 2017	-	W	1.789	1.736	-	-
New Mexico						
September 2018	W	-	W	W	-	-
August 2018	W	-	W	W	-	-
September 2017	W	-	W	W	-	-
Texas						
September 2018	W	W	2.283	2.187	-	W
August 2018	W	W	2.170	2.118	-	W
September 2017	W	W	1.810	1.755	-	2.252

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 2018	W	W	2.330	2.312	-	-
August 2018	W	W	2.241	2.234	-	-
September 2017	W	W	1.876	1.827	-	-
Colorado						
September 2018	W	-	2.290	2.283	-	-
August 2018	W	-	2.201	2.201	-	-
September 2017	W	-	1.867	NA	-	-
Idaho						
September 2018	-	-	W	2.410	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	1.931	-	-
Montana						
September 2018	W	W	W	W	-	-
August 2018	-	W	W	W	-	-
September 2017	-	W	W	W	-	-
Utah						
September 2018	W	W	2.336	2.372	-	-
August 2018	W	W	2.228	2.291	-	-
September 2017	W	W	1.837	1.771	-	-
Wyoming						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	2.207	-	-
September 2017	-	-	W	W	-	-
PAD District 5						
September 2018	W	3.266	2.249	2.240	-	W
August 2018	W	3.209	2.182	2.173	-	W
September 2017	W	2.931	1.750	1.761	-	W
Alaska						
September 2018	NA	NA	W	W	-	-
August 2018	W	W	W	W	-	-
September 2017	W	W	W	W	-	-
Arizona						
September 2018	W	W	2.281	2.272	-	-
August 2018	W	W	2.202	2.201	-	-
September 2017	W	W	1.837	1.788	-	-
California						
September 2018	W	3.206	2.235	2.220	-	W
August 2018	W	3.080	2.169	2.155	-	W
September 2017	-	W	1.756	1.768	-	W
Hawaii						
September 2018	-	W	W	W	-	-
August 2018	-	W	W	W	-	-
September 2017	-	W	W	W	-	-
Nevada						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	W	-	-
Oregon						
September 2018	-	3.269	2.280	2.277	-	-
August 2018	-	3.198	2.208	2.198	-	-
September 2017	-	3.155	W	1.779	-	-
Washington						
September 2018	-	W	2.235	2.280	-	-
August 2018	-	W	2.153	2.202	-	-
September 2017	-	W	1.746	1.765	-	-

- = 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 2017 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 2018	W	2.549	2.391	2.280	-	W
August 2018	W	2.485	2.327	2.201	-	W
September 2017	2.382	2.207	1.959	1.841	W	W
PAD District 1						
September 2018	-	2.633	2.415	2.251	-	-
August 2018	-	2.460	2.350	2.157	-	-
September 2017	-	W	2.029	1.823	-	-
Subdistrict 1A						
September 2018	-	-	W	2.270	-	-
August 2018	-	-	W	2.179	-	-
September 2017	-	W	W	1.829	-	-
Connecticut						
September 2018	-	-	W	2.251	-	-
August 2018	-	-	W	2.160	-	-
September 2017	-	-	W	1.837	-	-
Maine						
September 2018	-	-	-	W	-	-
August 2018	-	-	-	W	-	-
September 2017	-	-	-	1.848	-	-
Massachusetts						
September 2018	-	-	W	2.284	-	-
August 2018	-	-	W	2.190	-	-
September 2017	-	-	W	1.817	-	-
New Hampshire						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	W	-	-
Rhode Island						
September 2018	-	-	W	NA	-	-
August 2018	-	-	W	NA	-	-
September 2017	-	-	W	1.834	-	-
Vermont						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	-	W	W	W	-	-
Subdistrict 1B						
September 2018	-	2.477	W	2.238	-	-
August 2018	-	W	W	2.145	-	-
September 2017	-	W	W	1.784	-	-
Delaware						
September 2018	-	-	W	2.239	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	1.846	-	-
District of Columbia						
September 2018	-	-	-	W	-	-
August 2018	-	-	-	W	-	-
September 2017	-	-	-	W	-	-
Maryland						
September 2018	-	-	-	2.247	-	-
August 2018	-	-	-	2.156	-	-
September 2017	-	-	W	1.804	-	-
New Jersey						
September 2018	-	-	2.423	2.233	-	-
August 2018	-	-	2.356	2.131	-	-
September 2017	-	-	1.954	1.759	-	-
New York						
September 2018	-	W	2.544	2.308	-	-
August 2018	-	W	2.510	2.206	-	-
September 2017	-	-	2.137	1.828	-	-
Pennsylvania						
September 2018	-	W	2.386	2.230	-	-
August 2018	-	-	2.333	2.142	-	-
September 2017	-	W	1.941	1.797	-	-

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 2018	-	W	2.390	2.263	-	-
August 2018	-	W	2.315	2.166	-	-
September 2017	-	W	2.051	1.876	-	-
Florida						
September 2018	-	-	2.417	2.289	-	-
August 2018	-	-	2.326	2.195	-	-
September 2017	-	-	2.021	1.910	-	-
Georgia						
September 2018	-	W	2.267	2.258	-	-
August 2018	-	W	2.177	2.156	-	-
September 2017	-	W	1.869	1.873	-	-
North Carolina						
September 2018	-	-	2.389	2.254	-	-
August 2018	-	-	2.331	2.151	-	-
September 2017	-	-	W	1.855	-	-
South Carolina						
September 2018	-	-	2.489	2.249	-	-
August 2018	-	-	2.411	2.148	-	-
September 2017	-	-	W	1.851	-	-
Virginia						
September 2018	-	-	W	2.240	-	-
August 2018	-	-	2.152	2.146	-	-
September 2017	-	-	1.997	1.850	-	-
West Virginia						
September 2018	-	-	W	2.268	-	-
August 2018	-	-	W	2.194	-	-
September 2017	-	-	W	1.891	-	-
PAD District 2						
September 2018	W	2.539	2.381	2.300	-	-
August 2018	W	2.456	2.301	2.208	-	-
September 2017	W	2.120	1.945	1.851	-	W
Illinois						
September 2018	NA	W	2.480	2.276	-	-
August 2018	W	W	2.393	2.189	-	-
September 2017	W	W	W	1.828	-	-
Indiana						
September 2018	-	W	W	2.275	-	-
August 2018	-	W	W	2.190	-	-
September 2017	-	W	W	1.822	-	-
Iowa						
September 2018	-	W	W	2.349	-	-
August 2018	-	2.386	W	2.252	-	-
September 2017	-	1.997	1.936	1.884	-	-
Kansas						
September 2018	-	2.382	2.263	2.300	-	-
August 2018	-	2.301	2.176	2.206	-	-
September 2017	-	1.940	W	1.847	-	-
Kentucky						
September 2018	-	W	2.360	2.305	-	-
August 2018	W	W	2.272	2.212	-	-
September 2017	-	W	W	1.887	-	W
Michigan						
September 2018	W	W	2.517	2.299	-	-
August 2018	W	W	2.443	2.209	-	-
September 2017	W	W	W	1.844	-	-
Minnesota						
September 2018	W	2.586	2.431	2.378	-	-
August 2018	W	2.457	2.362	2.275	-	-
September 2017	W	2.006	1.946	1.876	-	-
Missouri						
September 2018	W	2.593	W	2.321	-	-
August 2018	W	W	2.239	2.221	-	-
September 2017	W	W	1.844	1.867	-	-

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 2018	-	2.481	W	2.344	-	-
August 2018	-	2.410	W	2.245	-	-
September 2017	-	2.061	W	1.886	-	-
North Dakota						
September 2018	W	2.555	W	2.349	-	-
August 2018	W	2.423	W	2.227	-	-
September 2017	W	2.132	W	1.929	-	-
Ohio						
September 2018	-	W	2.435	2.278	-	-
August 2018	-	W	2.365	2.195	-	-
September 2017	-	W	2.012	1.844	-	-
Oklahoma						
September 2018	-	W	W	2.285	-	-
August 2018	-	W	W	2.200	-	-
September 2017	-	W	1.870	1.827	-	-
South Dakota						
September 2018	W	2.525	W	2.372	-	-
August 2018	W	2.420	W	2.280	-	-
September 2017	W	2.052	W	1.919	-	-
Tennessee						
September 2018	-	W	2.351	2.265	-	-
August 2018	-	W	2.267	2.165	-	-
September 2017	-	-	2.003	1.859	-	-
Wisconsin						
September 2018	W	W	2.522	2.333	-	-
August 2018	W	W	2.463	2.229	-	-
September 2017	-	2.001	2.102	1.850	-	-
PAD District 3						
September 2018	-	-	2.287	2.223	-	W
August 2018	-	-	2.205	2.143	-	W
September 2017	W	W	1.849	1.760	-	W
Alabama						
September 2018	-	-	2.292	2.238	-	-
August 2018	-	-	2.208	2.143	-	-
September 2017	-	-	1.849	1.864	-	-
Arkansas						
September 2018	-	-	W	2.279	-	-
August 2018	-	-	W	2.192	-	-
September 2017	W	-	W	1.839	-	-
Louisiana						
September 2018	-	-	2.331	2.173	-	-
August 2018	-	-	2.254	2.101	-	-
September 2017	-	W	1.882	1.688	-	-
Mississippi						
September 2018	-	-	W	2.237	-	-
August 2018	-	-	W	2.144	-	-
September 2017	-	-	W	1.775	-	-
New Mexico						
September 2018	-	-	2.379	2.346	-	-
August 2018	-	-	2.336	2.256	-	-
September 2017	-	-	1.922	1.910	-	-
Texas						
September 2018	-	-	2.264	2.235	-	W
August 2018	-	-	2.178	2.150	-	W
September 2017	-	-	1.832	1.780	-	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 2018	W	2.704	2.420	2.373	-	-
August 2018	W	2.633	2.413	2.433	-	-
September 2017	W	2.314	1.966	1.971	W	-
Colorado						
September 2018	-	2.714	2.408	2.365	-	-
August 2018	-	2.561	2.350	2.295	-	-
September 2017	-	2.162	1.940	1.917	-	-
Idaho						
September 2018	-	W	2.491	2.331	-	-
August 2018	-	W	2.570	2.567	-	-
September 2017	W	2.408	2.122	2.047	-	-
Montana						
September 2018	W	2.683	W	2.437	-	-
August 2018	W	2.618	W	2.351	-	-
September 2017	W	2.248	W	1.971	-	-
Utah						
September 2018	-	W	2.462	2.331	-	-
August 2018	-	-	2.572	2.652	-	-
September 2017	-	W	1.968	1.999	W	-
Wyoming						
September 2018	W	2.699	2.338	2.412	-	-
August 2018	-	2.820	2.252	2.421	-	-
September 2017	-	2.349	1.885	1.970	-	-
PAD District 5						
September 2018	W	NA	2.488	2.389	-	-
August 2018	W	2.490	2.449	2.318	-	-
September 2017	W	2.242	2.043	2.018	-	-
Alaska						
September 2018	W	W	W	W	-	-
August 2018	W	W	W	W	-	-
September 2017	W	W	W	W	-	-
Arizona						
September 2018	-	-	2.389	2.337	-	-
August 2018	-	-	2.324	2.230	-	-
September 2017	-	-	1.986	1.976	-	-
California						
September 2018	-	-	2.568	2.435	-	-
August 2018	-	-	2.516	2.355	-	-
September 2017	-	-	2.028	2.009	-	-
Hawaii						
September 2018	-	-	W	W	-	-
August 2018	-	-	W	W	-	-
September 2017	-	-	W	W	-	-
Nevada						
September 2018	-	-	W	2.395	-	-
August 2018	-	-	W	2.356	-	-
September 2017	-	-	W	1.976	-	-
Oregon						
September 2018	-	W	2.830	2.301	-	-
August 2018	-	W	2.879	2.238	-	-
September 2017	-	W	2.269	2.050	-	-
Washington						
September 2018	-	W	2.404	2.283	-	-
August 2018	-	NA	2.361	2.259	-	-
September 2017	W	W	2.111	2.042	-	-

- = 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 2017 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

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States										
September 2018	19,844.6	20,142.5	17,109.1	230,081.8	20,689.8	1,675.5	1,687.1	225.9	1,808.2	-
August 2018	20,708.1	21,040.6	17,640.2	241,776.5	15,540.7	1,724.9	1,736.0	237.4	1,994.8	-
September 2017	20,048.5	20,280.6	17,244.8	229,506.5	17,838.2	1,698.5	1,713.4	267.0	2,079.5	-
PAD District 1										
September 2018	6,376.7	6,464.1	W	W	3,466.3	567.4	569.4	W	W	-
August 2018	6,660.1	6,754.1	W	W	4,049.4	584.7	587.2	W	W	-
September 2017	6,666.2	6,706.9	W	W	2,475.7	567.4	568.8	W	W	-
Subdistrict 1A										
September 2018	W	W	W	W	W	W	W	-	41.4	-
August 2018	W	W	W	W	W	W	W	-	57.2	-
September 2017	W	W	W	W	W	W	W	-	35.6	-
Connecticut										
September 2018	-	W	W	2,128.4	W	-	-	-	11.2	-
August 2018	-	W	W	2,262.8	W	-	-	-	13.5	-
September 2017	-	W	W	W	NA	-	-	-	14.7	-
Maine										
September 2018	-	-	W	W	-	-	-	-	W	-
August 2018	-	-	-	705.5	-	-	-	-	W	-
September 2017	-	-	W	W	-	-	-	-	W	-
Massachusetts										
September 2018	W	W	-	1,181.8	-	W	W	-	8.3	-
August 2018	W	W	-	1,192.9	-	W	W	-	8.0	-
September 2017	W	W	W	W	-	W	W	-	4.1	-
New Hampshire										
September 2018	W	W	W	W	-	W	W	-	-	-
August 2018	W	W	W	W	-	W	W	-	W	-
September 2017	W	W	W	W	-	W	W	-	-	-
Rhode Island										
September 2018	W	W	-	W	-	W	W	-	W	-
August 2018	W	W	-	W	-	W	W	-	W	-
September 2017	W	W	W	NA	W	W	W	-	W	-
Vermont										
September 2018	-	-	W	W	-	-	-	-	W	-
August 2018	-	-	W	W	-	-	-	-	W	-
September 2017	-	-	W	132.6	-	-	-	-	W	-
Subdistrict 1B										
September 2018	3,269.3	3,269.3	W	21,148.6	W	344.0	344.0	W	W	-
August 2018	3,397.8	3,397.8	W	22,084.2	W	352.2	352.2	W	W	-
September 2017	3,216.3	3,216.3	W	21,492.3	W	337.5	337.5	W	W	-
Delaware										
September 2018	W	W	-	1,072.1	-	W	W	-	8.8	-
August 2018	W	W	-	1,042.8	-	W	W	-	12.6	-
September 2017	W	W	-	1,034.5	-	W	W	-	12.4	-
District of Columbia										
September 2018	-	-	-	-	-	-	-	-	-	-
August 2018	-	-	-	-	-	-	-	-	-	-
September 2017	-	-	-	-	-	-	-	-	-	-
Maryland										
September 2018	-	-	-	3,795.9	-	-	-	-	56.0	-
August 2018	-	-	-	3,999.1	-	-	-	-	66.4	-
September 2017	-	-	-	3,733.8	-	-	-	-	68.7	-
New Jersey										
September 2018	W	W	W	6,768.4	W	W	W	W	W	-
August 2018	W	W	W	6,876.2	W	W	W	W	W	-
September 2017	W	W	W	6,384.4	W	W	W	W	W	-
New York										
September 2018	1,985.3	1,985.3	W	W	W	221.6	221.6	W	W	-
August 2018	2,068.4	2,068.4	W	W	W	228.3	228.3	W	W	-
September 2017	1,970.1	1,970.1	W	W	W	216.1	216.1	W	W	-
Pennsylvania										
September 2018	W	W	-	W	W	W	W	-	18.6	-
August 2018	W	W	-	W	W	W	W	-	23.3	-
September 2017	W	W	-	W	W	W	W	-	25.7	-

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

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States										
September 2018	2,504.9	2,534.9	4,766.1	28,865.2	1,920.0	24,025.0	24,364.4	22,101.1	260,755.2	22,609.8
August 2018	2,570.1	2,606.0	4,893.8	30,469.1	1,957.0	25,003.1	25,382.6	22,771.4	274,240.4	17,497.7
September 2017	2,560.2	2,583.4	4,833.2	28,996.5	1,763.9	24,307.2	24,577.5	22,345.0	260,582.5	19,602.0
PAD District 1										
September 2018	826.5	840.1	W	9,082.8	W	7,770.6	7,873.6	W	77,257.7	W
August 2018	833.5	849.5	W	9,423.6	W	8,078.3	8,190.7	W	81,061.5	W
September 2017	832.4	837.5	W	8,925.7	W	8,065.9	8,113.1	W	75,751.3	W
Subdistrict 1A										
September 2018	W	W	W	W	W	W	W	W	5,730.9	W
August 2018	W	W	W	W	W	W	W	W	6,110.0	W
September 2017	W	W	W	W	-	W	W	W	5,124.4	W
Connecticut										
September 2018	-	-	W	376.0	W	-	W	W	2,515.6	W
August 2018	-	-	W	391.3	W	-	W	W	2,667.6	W
September 2017	-	-	-	420.4	-	-	W	W	W	NA
Maine										
September 2018	-	-	W	47.8	-	-	-	W	W	-
August 2018	-	-	-	W	-	-	-	-	790.5	-
September 2017	-	-	W	46.7	-	-	-	W	W	-
Massachusetts										
September 2018	W	W	-	189.0	-	W	W	-	1,379.1	-
August 2018	W	W	-	187.2	-	W	W	-	1,388.0	-
September 2017	W	W	W	W	-	W	W	W	W	-
New Hampshire										
September 2018	W	W	W	W	-	W	W	W	W	-
August 2018	W	W	W	W	-	W	W	W	W	-
September 2017	W	W	W	W	-	W	W	W	W	-
Rhode Island										
September 2018	W	W	-	W	-	W	W	-	1,048.4	-
August 2018	W	W	-	W	-	W	W	-	1,136.5	-
September 2017	W	W	W	W	-	W	W	W	NA	W
Vermont										
September 2018	-	-	W	W	-	-	-	W	W	-
August 2018	-	-	W	W	-	-	-	W	W	-
September 2017	-	-	W	W	-	-	-	W	W	-
Subdistrict 1B										
September 2018	536.3	536.3	W	W	231.2	4,149.5	4,149.6	W	24,286.0	W
August 2018	544.5	544.5	W	W	243.8	4,294.5	4,294.5	W	25,402.8	W
September 2017	525.8	525.8	W	W	W	4,079.5	4,079.5	W	24,628.1	W
Delaware										
September 2018	W	W	-	113.3	-	W	W	-	1,194.2	-
August 2018	W	W	-	113.7	-	W	W	-	1,169.1	-
September 2017	W	W	-	114.4	-	W	W	-	1,161.2	-
District of Columbia										
September 2018	-	-	-	-	-	-	-	-	-	-
August 2018	-	-	-	-	-	-	-	-	-	-
September 2017	-	-	-	-	-	-	-	-	-	-
Maryland										
September 2018	-	-	-	608.7	-	-	-	-	4,460.6	-
August 2018	-	-	-	645.7	-	-	-	-	4,711.2	-
September 2017	-	-	-	615.6	-	-	-	-	4,418.1	-
New Jersey										
September 2018	W	W	W	983.1	W	W	W	W	W	1,185.6
August 2018	W	W	W	991.9	W	W	W	W	W	1,003.9
September 2017	W	W	W	903.9	W	W	W	W	W	371.3
New York										
September 2018	352.6	352.6	W	W	W	2,559.5	2,559.5	W	5,671.2	W
August 2018	358.5	358.5	W	W	W	2,655.2	2,655.2	W	6,132.9	W
September 2017	342.3	342.3	W	W	W	2,528.6	2,528.6	W	5,819.9	W
Pennsylvania										
September 2018	W	W	-	W	W	W	W	-	W	W
August 2018	W	W	-	W	W	W	W	-	W	W
September 2017	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

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
September 2018	W	W	-	41,463.4	242.3	W	W	-	471.7	-
August 2018	W	W	-	W	W	W	W	-	472.5	-
September 2017	W	W	-	W	W	W	W	-	499.9	-
Florida										
September 2018	W	W	-	13,296.3	-	W	W	-	126.3	-
August 2018	W	W	-	13,689.5	-	W	W	-	133.8	-
September 2017	W	W	-	12,635.3	-	W	W	-	129.1	-
Georgia										
September 2018	W	W	-	W	W	W	W	-	56.5	-
August 2018	W	W	-	8,610.7	-	W	W	-	61.8	-
September 2017	W	W	-	W	W	W	W	-	69.9	-
North Carolina										
September 2018	W	W	-	W	W	W	W	-	156.9	-
August 2018	W	W	-	W	W	W	W	-	139.4	-
September 2017	W	W	-	8,445.9	64.6	W	W	-	154.1	-
South Carolina										
September 2018	W	W	-	4,081.0	-	W	W	-	41.7	-
August 2018	W	W	-	W	W	W	W	-	41.7	-
September 2017	W	W	-	W	W	W	W	-	43.4	-
Virginia										
September 2018	-	-	-	W	W	-	-	-	82.1	-
August 2018	-	-	-	W	W	-	-	-	86.7	-
September 2017	W	W	-	W	W	W	W	-	94.4	-
West Virginia										
September 2018	W	W	-	W	W	W	W	-	8.3	-
August 2018	W	W	-	W	W	W	W	-	9.1	-
September 2017	W	W	-	723.2	-	W	W	-	8.9	-
PAD District 2										
September 2018	W	W	-	74,884.3	1,009.9	307.9	314.6	-	494.8	-
August 2018	W	W	-	79,109.4	1,631.6	320.4	325.7	-	579.3	-
September 2017	W	8,009.4	W	W	1,068.1	321.2	328.2	W	W	-
Illinois										
September 2018	W	W	-	W	W	W	W	-	75.6	-
August 2018	W	W	-	W	W	W	W	-	75.0	-
September 2017	W	W	-	W	W	W	W	-	86.4	-
Indiana										
September 2018	W	W	-	W	W	W	W	-	21.1	-
August 2018	W	W	-	5,834.1	-	W	W	-	25.7	-
September 2017	W	W	-	W	W	W	W	-	32.2	-
Iowa										
September 2018	-	W	-	2,295.7	-	-	-	-	50.9	-
August 2018	-	W	-	2,508.4	-	-	-	-	55.9	-
September 2017	-	W	-	2,386.1	-	-	-	-	56.1	-
Kansas										
September 2018	W	W	-	W	W	W	W	-	19.2	-
August 2018	W	W	-	W	W	W	W	-	22.4	-
September 2017	W	W	-	W	W	W	W	-	23.1	-
Kentucky										
September 2018	W	W	-	W	W	W	W	-	12.2	-
August 2018	W	W	-	W	W	W	W	-	13.9	-
September 2017	W	W	-	W	W	W	W	-	12.4	-
Michigan										
September 2018	W	W	-	9,876.7	-	W	W	-	16.5	-
August 2018	W	W	-	10,463.9	-	W	W	-	NA	-
September 2017	W	W	-	9,550.7	-	W	W	-	14.9	-
Minnesota										
September 2018	W	W	-	4,690.8	-	W	W	-	75.9	-
August 2018	W	W	-	5,016.7	-	W	W	-	100.2	-
September 2017	W	W	W	4,643.2	W	W	W	W	W	-
Missouri										
September 2018	-	W	-	W	W	-	-	-	16.0	-
August 2018	-	W	-	W	W	-	-	-	18.2	-
September 2017	-	W	-	3,362.1	-	-	-	-	19.0	-

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

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
September 2018	W	W	-	5,305.6	-	W	W	-	47,240.8	242.3
August 2018	W	W	-	W	W	W	W	-	49,548.7	411.2
September 2017	W	W	-	W	W	W	W	-	45,998.8	125.4
Florida										
September 2018	W	W	-	1,816.5	-	W	W	-	15,239.1	-
August 2018	W	W	-	1,890.7	-	W	W	-	15,714.0	-
September 2017	W	W	-	1,888.2	-	W	W	-	14,652.7	-
Georgia										
September 2018	W	W	-	1,041.8	-	W	W	-	W	W
August 2018	W	W	-	1,078.0	-	W	W	-	9,750.5	-
September 2017	W	W	-	1,031.7	-	W	W	-	W	W
North Carolina										
September 2018	W	W	-	1,065.5	-	W	W	-	W	W
August 2018	W	W	-	1,070.3	-	W	W	-	W	W
September 2017	W	W	-	986.1	-	W	W	-	9,586.1	64.6
South Carolina										
September 2018	W	W	-	425.5	-	W	W	-	4,548.2	-
August 2018	W	W	-	444.6	-	W	W	-	W	W
September 2017	W	W	-	W	W	W	W	-	W	W
Virginia										
September 2018	-	-	-	922.4	-	-	-	-	W	W
August 2018	-	-	-	935.3	-	-	-	-	W	W
September 2017	W	W	-	835.2	-	W	W	-	W	W
West Virginia										
September 2018	W	W	-	33.9	-	W	W	-	W	W
August 2018	W	W	-	W	W	W	W	-	W	W
September 2017	W	W	-	36.0	-	W	W	-	768.1	-
PAD District 2										
September 2018	W	445.3	-	6,405.6	425.0	W	W	-	81,784.7	1,434.9
August 2018	W	465.9	-	6,984.4	449.9	W	W	-	86,673.1	2,081.5
September 2017	W	473.0	W	6,648.6	W	W	8,810.7	W	82,593.8	W
Illinois										
September 2018	W	W	-	W	W	W	W	-	11,757.9	81.1
August 2018	W	W	-	W	W	W	W	-	12,004.6	94.4
September 2017	W	W	-	1,184.0	-	W	W	-	W	W
Indiana										
September 2018	W	W	-	W	W	W	W	-	W	W
August 2018	W	W	-	W	W	W	W	-	W	W
September 2017	W	W	-	W	W	W	W	-	W	W
Iowa										
September 2018	-	-	-	262.0	-	-	W	-	2,608.6	-
August 2018	-	-	-	298.2	-	-	W	-	2,862.5	-
September 2017	-	-	-	308.9	-	-	W	-	2,751.0	-
Kansas										
September 2018	-	-	-	W	W	W	W	-	4,394.4	364.0
August 2018	-	-	-	W	W	W	W	-	4,606.6	819.7
September 2017	-	-	-	W	W	W	W	-	W	W
Kentucky										
September 2018	W	W	-	219.4	-	W	W	-	W	W
August 2018	W	W	-	228.3	-	W	W	-	W	W
September 2017	W	W	-	231.5	-	W	W	-	W	W
Michigan										
September 2018	W	W	-	W	W	W	W	-	W	W
August 2018	W	W	-	W	W	W	W	-	W	W
September 2017	W	W	-	W	W	W	W	-	W	W
Minnesota										
September 2018	W	W	-	W	W	W	W	-	W	W
August 2018	W	W	-	W	W	W	W	-	W	W
September 2017	W	W	W	W	W	W	W	W	5,176.7	W
Missouri										
September 2018	-	-	-	W	W	-	W	-	W	W
August 2018	-	-	-	W	W	-	W	-	W	W
September 2017	-	-	-	241.1	-	-	W	-	3,622.3	-

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

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)										
Nebraska										
September 2018	W	W	-	1,486.3	-	W	W	-	14.6	-
August 2018	W	W	-	1,681.1	-	W	W	-	21.4	-
September 2017	W	W	-	1,394.6	-	W	W	-	18.1	-
North Dakota										
September 2018	W	W	-	832.9	-	W	W	-	16.1	-
August 2018	W	W	-	936.2	-	W	W	-	18.6	-
September 2017	W	W	W	W	-	W	W	-	19.7	-
Ohio										
September 2018	W	W	-	9,914.2	-	W	W	-	40.2	-
August 2018	W	W	-	W	W	W	W	-	52.3	-
September 2017	W	W	-	10,137.0	-	W	W	-	50.9	-
Oklahoma										
September 2018	W	W	-	3,770.4	623.0	W	W	-	5.1	-
August 2018	W	W	-	4,086.4	751.9	W	W	-	NA	-
September 2017	W	W	-	W	W	W	W	-	5.8	-
South Dakota										
September 2018	W	W	-	959.1	-	W	W	-	17.8	-
August 2018	W	W	-	1,000.7	-	W	W	-	19.1	-
September 2017	W	10.8	-	880.8	-	W	W	-	21.8	-
Tennessee										
September 2018	W	W	-	9,094.7	-	W	W	-	77.2	-
August 2018	W	W	-	9,385.8	-	W	W	-	87.8	-
September 2017	W	W	-	W	W	W	W	-	86.1	-
Wisconsin										
September 2018	W	W	-	4,883.0	-	W	W	-	36.4	-
August 2018	W	W	-	5,379.3	-	W	W	-	44.1	-
September 2017	W	W	W	W	-	W	W	W	W	-
PAD District 3										
September 2018	919.6	952.7	W	48,412.8	W	89.2	89.2	W	W	-
August 2018	971.0	1,005.7	W	50,358.7	W	91.3	91.3	W	W	-
September 2017	900.0	932.3	W	W	W	91.3	91.3	W	W	-
Alabama										
September 2018	-	W	-	4,712.0	-	-	-	-	39.2	-
August 2018	-	W	-	W	W	-	-	-	54.9	-
September 2017	-	W	-	4,576.0	-	-	-	-	47.5	-
Arkansas										
September 2018	-	-	-	2,796.7	-	-	-	-	15.5	-
August 2018	-	-	-	3,027.0	-	-	-	-	15.5	-
September 2017	-	-	-	3,081.2	-	-	-	-	18.3	-
Louisiana										
September 2018	-	W	-	W	W	-	-	-	15.4	-
August 2018	-	W	-	W	W	-	-	-	18.5	-
September 2017	-	W	-	5,857.5	2,001.2	-	-	-	20.7	-
Mississippi										
September 2018	-	-	-	W	W	-	-	-	21.2	-
August 2018	-	-	-	3,032.3	1,362.9	-	-	-	23.2	-
September 2017	-	-	-	W	W	-	-	-	24.5	-
New Mexico										
September 2018	W	397.2	W	W	-	W	W	W	W	-
August 2018	W	414.5	W	W	-	W	W	W	W	-
September 2017	W	400.6	W	W	-	W	W	W	W	-
Texas										
September 2018	W	W	W	30,866.5	W	W	W	-	153.8	-
August 2018	W	571.0	W	31,808.3	W	W	W	-	156.8	-
September 2017	W	W	W	29,998.4	W	W	W	-	182.7	-

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

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)										
Nebraska										
September 2018	-	-	-	160.2	-	W	W	-	1,661.1	-
August 2018	-	-	-	175.9	-	W	W	-	1,878.4	-
September 2017	-	-	-	166.7	-	W	W	-	1,579.4	-
North Dakota										
September 2018	W	W	-	84.8	-	W	W	-	933.7	-
August 2018	W	W	-	102.5	-	W	W	-	1,057.3	-
September 2017	W	W	W	W	-	W	W	W	W	-
Ohio										
September 2018	W	W	-	W	W	W	W	-	W	W
August 2018	W	W	-	W	W	W	W	-	W	W
September 2017	W	W	-	W	W	W	W	-	W	W
Oklahoma										
September 2018	W	W	-	384.2	140.0	W	W	-	4,159.7	763.0
August 2018	W	W	-	397.5	239.8	W	W	-	4,488.6	991.7
September 2017	W	W	-	W	W	W	W	-	4,882.1	733.6
South Dakota										
September 2018	W	W	-	86.1	-	W	W	-	1,063.0	-
August 2018	W	W	-	118.0	-	W	W	-	1,137.9	-
September 2017	W	W	-	94.0	-	W	15.1	-	996.5	-
Tennessee										
September 2018	W	W	-	857.4	-	W	W	-	10,029.3	-
August 2018	W	W	-	W	W	W	W	-	W	W
September 2017	W	W	-	W	W	W	W	-	W	W
Wisconsin										
September 2018	W	W	-	444.3	-	W	W	-	5,363.7	-
August 2018	W	W	-	526.7	-	W	W	-	5,950.0	-
September 2017	W	W	W	464.0	W	W	W	W	5,616.5	W
PAD District 3										
September 2018	84.2	89.9	W	W	803.5	1,093.0	1,131.9	W	53,759.8	W
August 2018	86.7	93.4	W	W	W	1,149.0	1,190.5	W	55,933.9	W
September 2017	91.6	97.8	W	5,141.8	W	1,082.9	1,121.4	W	53,338.8	W
Alabama										
September 2018	-	W	-	433.9	-	-	W	-	5,185.1	-
August 2018	-	W	-	462.6	-	-	W	-	W	W
September 2017	-	W	-	W	W	-	W	-	W	W
Arkansas										
September 2018	-	-	-	234.7	-	-	-	-	3,046.9	-
August 2018	-	-	-	246.6	-	-	-	-	3,289.1	-
September 2017	-	-	-	266.2	-	-	-	-	3,365.6	-
Louisiana										
September 2018	-	-	-	W	W	-	W	-	6,215.4	3,431.6
August 2018	-	-	-	W	W	-	W	-	6,505.0	1,441.4
September 2017	-	-	-	528.9	NA	-	W	-	6,407.1	2,014.5
Mississippi										
September 2018	-	-	-	215.2	-	-	-	-	W	W
August 2018	-	-	-	229.6	-	-	-	-	3,285.1	1,362.9
September 2017	-	-	-	W	W	-	-	-	3,181.0	1,960.4
New Mexico										
September 2018	W	W	W	W	-	W	491.7	W	W	-
August 2018	W	W	W	W	-	W	512.1	W	W	-
September 2017	W	W	W	W	-	W	499.6	W	W	-
Texas										
September 2018	W	W	W	3,498.4	W	W	W	W	34,518.7	W
August 2018	W	W	W	3,590.3	W	W	652.8	W	35,555.4	W
September 2017	W	W	W	3,504.8	W	W	W	W	33,685.9	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

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4										
September 2018	W	W	W	W	W	74.0	76.2	-	131.0	-
August 2018	W	W	W	W	W	77.9	80.0	-	134.8	-
September 2017	W	384.9	W	10,871.7	W	77.7	79.2	-	144.9	-
Colorado										
September 2018	W	146.6	W	W	W	44.5	45.3	-	51.1	-
August 2018	W	155.6	W	W	W	46.4	47.1	-	58.5	-
September 2017	W	160.0	W	W	W	44.0	44.7	-	63.2	-
Idaho										
September 2018	W	W	-	1,443.0	-	W	W	-	7.9	-
August 2018	W	W	-	1,445.9	-	W	W	-	7.3	-
September 2017	W	W	-	1,423.1	-	W	W	-	12.9	-
Montana										
September 2018	W	W	-	1,320.0	-	W	W	-	W	-
August 2018	W	W	-	1,502.2	-	W	W	-	W	-
September 2017	W	W	-	1,264.2	-	W	W	-	4.6	-
Utah										
September 2018	W	W	W	W	W	W	W	-	54.1	-
August 2018	W	W	W	W	W	W	W	-	47.2	-
September 2017	W	W	W	W	W	W	W	-	50.5	-
Wyoming										
September 2018	W	11.4	-	914.0	-	W	W	-	W	-
August 2018	W	12.8	-	958.4	-	W	W	-	W	-
September 2017	W	11.8	-	885.9	-	W	W	-	13.7	-
PAD District 5										
September 2018	4,376.7	4,440.0	15,753.7	28,346.2	2,775.6	637.0	637.7	W	W	-
August 2018	4,516.8	4,593.1	16,193.1	W	W	650.5	651.8	W	W	-
September 2017	4,185.1	4,247.1	15,821.7	29,254.2	2,511.8	640.8	645.9	255.6	347.4	-
Alaska										
September 2018	W	W	70.2	W	NA	W	W	NA	W	-
August 2018	W	W	76.1	462.7	W	W	W	W	W	-
September 2017	W	W	82.8	W	W	W	W	W	W	-
Arizona										
September 2018	W	W	W	4,258.5	W	W	W	W	W	-
August 2018	W	W	W	4,348.6	W	W	W	W	W	-
September 2017	W	W	W	4,073.1	W	W	W	W	W	-
California										
September 2018	3,178.1	3,179.1	11,885.2	13,925.8	1,957.4	544.7	544.7	138.0	177.2	-
August 2018	3,278.7	3,280.2	12,101.1	14,539.1	1,949.6	555.1	555.2	145.1	189.6	-
September 2017	3,052.2	3,053.6	11,660.0	14,996.9	1,938.4	W	W	161.2	219.7	-
Hawaii										
September 2018	W	W	W	W	W	W	W	W	W	-
August 2018	W	W	W	W	W	W	W	W	W	-
September 2017	W	W	W	W	W	W	W	W	W	-
Nevada										
September 2018	W	W	W	1,485.1	W	W	W	W	W	-
August 2018	W	W	W	1,613.2	W	W	W	W	W	-
September 2017	W	W	W	1,423.1	W	W	W	W	W	-
Oregon										
September 2018	95.6	95.6	776.0	3,047.1	-	6.2	6.2	3.9	7.1	-
August 2018	100.1	100.1	811.0	3,247.5	-	6.5	6.5	3.8	7.8	-
September 2017	93.3	93.3	816.4	W	W	6.5	6.5	W	W	-
Washington										
September 2018	346.7	353.1	W	4,951.1	W	29.9	30.2	W	W	-
August 2018	347.5	355.5	W	5,364.8	W	30.5	31.2	15.8	45.8	-
September 2017	286.2	293.0	W	5,125.4	W	29.0	29.3	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

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4										
September 2018	W	67.6	W	W	W	W	W	W	13,397.4	W
August 2018	W	74.8	W	W	-	W	W	W	14,207.3	W
September 2017	W	76.1	W	2,327.3	W	W	540.3	W	13,343.9	W
Colorado										
September 2018	W	32.4	W	W	-	218.9	224.3	W	5,599.0	W
August 2018	W	34.5	W	W	-	231.4	237.2	W	6,046.9	W
September 2017	W	34.7	W	W	-	235.3	239.4	W	5,685.3	W
Idaho										
September 2018	W	W	-	246.0	-	W	W	-	1,696.8	-
August 2018	W	W	-	257.7	-	W	W	-	1,710.9	-
September 2017	W	W	-	238.1	-	W	W	-	1,674.1	-
Montana										
September 2018	W	W	-	W	-	W	W	-	1,572.9	-
August 2018	W	W	-	W	-	W	W	-	1,820.3	-
September 2017	W	W	-	254.3	-	W	W	-	1,523.1	-
Utah										
September 2018	W	W	W	W	W	W	W	W	3,457.9	W
August 2018	W	W	W	W	-	W	W	W	3,489.4	W
September 2017	W	W	W	W	W	W	W	W	3,409.1	W
Wyoming										
September 2018	W	W	-	W	-	W	14.2	-	1,070.7	-
August 2018	W	W	-	W	-	W	16.1	-	1,139.9	-
September 2017	W	W	-	152.7	-	W	14.7	-	1,052.3	-
PAD District 5										
September 2018	1,085.6	1,091.9	4,382.8	W	W	6,099.4	6,169.7	W	34,555.6	W
August 2018	1,115.9	1,122.4	4,474.7	6,205.2	442.5	6,283.3	6,367.2	W	36,364.7	W
September 2017	1,093.0	1,099.0	4,445.0	5,953.1	398.0	5,919.0	5,992.0	20,522.3	35,554.7	2,909.8
Alaska										
September 2018	W	W	W	33.6	-	W	W	W	W	NA
August 2018	W	W	W	W	-	W	W	W	W	W
September 2017	W	W	W	W	-	W	W	101.4	W	W
Arizona										
September 2018	W	W	144.7	W	W	W	W	W	4,867.5	W
August 2018	W	W	160.0	W	W	W	W	W	4,959.1	W
September 2017	W	W	181.8	W	W	W	W	W	4,637.2	W
California										
September 2018	912.7	912.7	3,597.0	3,567.4	330.7	4,635.5	4,636.5	15,620.2	17,670.4	2,288.1
August 2018	934.8	934.8	3,646.6	3,690.0	349.0	4,768.5	4,770.2	15,892.8	18,418.7	2,298.6
September 2017	W	W	3,577.7	3,672.4	263.2	4,513.1	4,514.7	15,398.9	18,889.0	2,201.5
Hawaii										
September 2018	W	W	W	W	W	W	W	W	W	W
August 2018	W	W	W	W	W	W	W	W	W	W
September 2017	W	W	W	W	W	W	W	W	W	W
Nevada										
September 2018	W	W	W	W	-	W	W	W	1,840.1	W
August 2018	W	W	W	W	W	W	W	W	1,995.3	W
September 2017	W	W	W	W	W	W	W	W	1,793.8	W
Oregon										
September 2018	14.1	14.1	126.8	391.6	-	115.9	115.9	906.8	3,445.7	-
August 2018	14.9	14.9	134.2	414.8	-	121.5	121.5	949.0	3,670.0	-
September 2017	14.2	14.2	132.4	387.5	-	113.9	113.9	W	3,441.6	W
Washington										
September 2018	45.9	46.1	226.3	W	W	422.5	429.4	W	5,929.1	W
August 2018	46.5	47.1	W	1,035.9	W	424.4	433.8	1,328.1	6,446.5	164.8
September 2017	45.6	45.8	237.5	W	W	360.8	368.0	W	6,098.1	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 2017 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

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
September 2018	14,585.7	14,903.4	4,264.3	183,820.9	19,497.0
August 2018	15,283.7	15,637.6	4,521.5	194,810.1	13,869.2
September 2017	14,991.0	15,239.4	4,724.9	184,367.4	17,012.7
PAD District 1					
September 2018	W	W	W	49,254.5	W
August 2018	W	W	W	52,013.3	W
September 2017	W	W	W	48,676.0	W
Subdistrict 1A					
September 2018	-	-	W	W	-
August 2018	-	-	W	W	-
September 2017	-	-	W	W	-
Connecticut					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Maine					
September 2018	-	-	W	W	-
August 2018	-	-	-	W	-
September 2017	-	-	W	W	-
Massachusetts					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
New Hampshire					
September 2018	-	-	W	-	-
August 2018	-	-	W	W	-
September 2017	-	-	W	W	-
Rhode Island					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Vermont					
September 2018	-	-	W	W	-
August 2018	-	-	W	W	-
September 2017	-	-	W	W	-
Subdistrict 1B					
September 2018	W	W	W	W	W
August 2018	W	W	W	6,357.1	W
September 2017	W	W	W	6,339.7	W
Delaware					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
District of Columbia					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Maryland					
September 2018	-	-	-	429.2	-
August 2018	-	-	-	W	-
September 2017	-	-	-	W	-
New Jersey					
September 2018	-	-	-	-	237.3
August 2018	-	-	-	-	W
September 2017	-	-	-	-	W
New York					
September 2018	W	W	W	W	W
August 2018	W	W	W	W	W
September 2017	W	W	W	W	W
Pennsylvania					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	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

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
September 2018	9,439.3	9,461.0	17,836.8	76,934.3	3,112.8
August 2018	9,719.5	9,745.0	18,249.8	79,430.4	3,628.5
September 2017	9,316.2	9,338.1	17,620.1	76,215.1	2,589.4
PAD District 1					
September 2018	W	W	W	28,003.2	W
August 2018	W	W	W	29,048.2	W
September 2017	W	W	W	27,075.3	W
Subdistrict 1A					
September 2018	W	W	W	W	W
August 2018	W	W	W	W	W
September 2017	W	W	W	W	W
Connecticut					
September 2018	-	W	W	2,515.6	W
August 2018	-	W	W	2,667.6	W
September 2017	-	W	W	W	NA
Maine					
September 2018	-	-	-	W	-
August 2018	-	-	-	W	-
September 2017	-	-	-	W	-
Massachusetts					
September 2018	W	W	-	1,379.1	-
August 2018	W	W	-	1,388.0	-
September 2017	W	W	W	W	-
New Hampshire					
September 2018	W	W	-	W	-
August 2018	W	W	-	W	-
September 2017	W	W	-	-	-
Rhode Island					
September 2018	W	W	-	1,048.4	-
August 2018	W	W	-	1,136.5	-
September 2017	W	W	W	NA	W
Vermont					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Subdistrict 1B					
September 2018	W	W	W	W	1,270.5
August 2018	W	W	W	19,045.7	W
September 2017	W	W	W	18,288.4	W
Delaware					
September 2018	W	W	-	1,194.2	-
August 2018	W	W	-	1,169.1	-
September 2017	W	W	-	1,161.2	-
District of Columbia					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Maryland					
September 2018	-	-	-	4,031.4	-
August 2018	-	-	-	W	-
September 2017	-	-	-	W	-
New Jersey					
September 2018	W	W	W	W	948.3
August 2018	W	W	W	W	W
September 2017	W	W	W	W	W
New York					
September 2018	W	W	W	W	W
August 2018	W	W	W	W	W
September 2017	W	W	W	W	-
Pennsylvania					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	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

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
September 2018	24,025.0	24,364.4	22,101.1	260,755.2	22,609.8
August 2018	25,003.1	25,382.6	22,771.4	274,240.4	17,497.7
September 2017	24,307.2	24,577.5	22,345.0	260,582.5	19,602.0
PAD District 1					
September 2018	7,770.6	7,873.6	W	77,257.7	W
August 2018	8,078.3	8,190.7	W	81,061.5	W
September 2017	8,065.9	8,113.1	W	75,751.3	W
Subdistrict 1A					
September 2018	W	W	W	5,730.9	W
August 2018	W	W	W	6,110.0	W
September 2017	W	W	W	5,124.4	W
Connecticut					
September 2018	-	W	W	2,515.6	W
August 2018	-	W	W	2,667.6	W
September 2017	-	W	W	W	NA
Maine					
September 2018	-	-	W	W	-
August 2018	-	-	-	790.5	-
September 2017	-	-	W	W	-
Massachusetts					
September 2018	W	W	-	1,379.1	-
August 2018	W	W	-	1,388.0	-
September 2017	W	W	W	W	-
New Hampshire					
September 2018	W	W	W	W	-
August 2018	W	W	W	W	-
September 2017	W	W	W	W	-
Rhode Island					
September 2018	W	W	-	1,048.4	-
August 2018	W	W	-	1,136.5	-
September 2017	W	W	W	NA	W
Vermont					
September 2018	-	-	W	W	-
August 2018	-	-	W	W	-
September 2017	-	-	W	W	-
Subdistrict 1B					
September 2018	4,149.5	4,149.6	W	24,286.0	W
August 2018	4,294.5	4,294.5	W	25,402.8	W
September 2017	4,079.5	4,079.5	W	24,628.1	W
Delaware					
September 2018	W	W	-	1,194.2	-
August 2018	W	W	-	1,169.1	-
September 2017	W	W	-	1,161.2	-
District of Columbia					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Maryland					
September 2018	-	-	-	4,460.6	-
August 2018	-	-	-	4,711.2	-
September 2017	-	-	-	4,418.1	-
New Jersey					
September 2018	W	W	W	W	1,185.6
August 2018	W	W	W	W	1,003.9
September 2017	W	W	W	W	371.3
New York					
September 2018	2,559.5	2,559.5	W	5,671.2	W
August 2018	2,655.2	2,655.2	W	6,132.9	W
September 2017	2,528.6	2,528.6	W	5,819.9	W
Pennsylvania					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	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

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
September 2018	W	W	-	42,835.2	242.3
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Florida					
September 2018	W	W	-	15,239.1	-
August 2018	W	W	-	15,714.0	-
September 2017	W	W	-	14,652.7	-
Georgia					
September 2018	W	W	-	W	W
August 2018	W	W	-	9,750.5	-
September 2017	W	W	-	W	W
North Carolina					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	9,586.1	64.6
South Carolina					
September 2018	W	W	-	4,548.2	-
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Virginia					
September 2018	-	-	-	W	W
August 2018	-	-	-	W	W
September 2017	W	W	-	W	W
West Virginia					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	768.1	-
PAD District 2					
September 2018	W	7,173.1	-	W	W
August 2018	W	7,513.5	-	W	W
September 2017	7,153.9	W	W	W	W
Illinois					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Indiana					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Iowa					
September 2018	-	W	-	2,608.6	-
August 2018	-	W	-	2,862.5	-
September 2017	-	W	-	2,751.0	-
Kansas					
September 2018	W	W	-	4,394.4	364.0
August 2018	W	W	-	4,606.6	819.7
September 2017	W	W	-	W	W
Kentucky					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Michigan					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Minnesota					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	W	5,176.7	W
Missouri					
September 2018	-	W	-	2,866.4	-
August 2018	-	W	-	3,110.5	-
September 2017	-	W	-	2,963.7	-

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

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
September 2018	-	-	-	4,405.6	-
August 2018	-	-	-	W	W
September 2017	-	-	-	W	W
Florida					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Georgia					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
North Carolina					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
South Carolina					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Virginia					
September 2018	-	-	-	4,405.6	-
August 2018	-	-	-	W	W
September 2017	-	-	-	W	W
West Virginia					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
PAD District 2					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Illinois					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Indiana					
September 2018	W	W	-	925.9	-
August 2018	W	W	-	942.8	-
September 2017	W	W	-	998.8	-
Iowa					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Kansas					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Kentucky					
September 2018	W	W	-	647.5	-
August 2018	W	W	-	725.3	-
September 2017	W	W	-	812.2	-
Michigan					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Minnesota					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Missouri					
September 2018	-	-	-	W	W
August 2018	-	-	-	W	W
September 2017	-	-	-	658.6	-

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

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
September 2018	W	W	-	47,240.8	242.3
August 2018	W	W	-	49,548.7	411.2
September 2017	W	W	-	45,998.8	125.4
Florida					
September 2018	W	W	-	15,239.1	-
August 2018	W	W	-	15,714.0	-
September 2017	W	W	-	14,652.7	-
Georgia					
September 2018	W	W	-	W	W
August 2018	W	W	-	9,750.5	-
September 2017	W	W	-	W	W
North Carolina					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	9,586.1	64.6
South Carolina					
September 2018	W	W	-	4,548.2	-
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Virginia					
September 2018	-	-	-	W	W
August 2018	-	-	-	W	W
September 2017	W	W	-	W	W
West Virginia					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	768.1	-
PAD District 2					
September 2018	W	W	-	81,784.7	1,434.9
August 2018	W	W	-	86,673.1	2,081.5
September 2017	W	8,810.7	W	82,593.8	W
Illinois					
September 2018	W	W	-	11,757.9	81.1
August 2018	W	W	-	12,004.6	94.4
September 2017	W	W	-	W	W
Indiana					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Iowa					
September 2018	-	W	-	2,608.6	-
August 2018	-	W	-	2,862.5	-
September 2017	-	W	-	2,751.0	-
Kansas					
September 2018	W	W	-	4,394.4	364.0
August 2018	W	W	-	4,606.6	819.7
September 2017	W	W	-	W	W
Kentucky					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Michigan					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Minnesota					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	W	5,176.7	W
Missouri					
September 2018	-	W	-	W	W
August 2018	-	W	-	W	W
September 2017	-	W	-	3,622.3	-

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

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
September 2018	W	W	-	1,661.1	-
August 2018	W	W	-	1,878.4	-
September 2017	W	W	-	1,579.4	-
North Dakota					
September 2018	W	W	-	933.7	-
August 2018	W	W	-	1,057.3	-
September 2017	W	W	W	W	-
Ohio					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Oklahoma					
September 2018	W	W	-	4,159.7	763.0
August 2018	W	W	-	4,488.6	991.7
September 2017	W	W	-	4,882.1	733.6
South Dakota					
September 2018	W	W	-	1,063.0	-
August 2018	W	W	-	1,137.9	-
September 2017	W	15.1	-	996.5	-
Tennessee					
September 2018	W	W	-	10,029.3	-
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Wisconsin					
September 2018	W	51.1	-	3,916.0	-
August 2018	W	54.5	-	4,334.2	-
September 2017	W	57.2	W	4,111.8	W
PAD District 3					
September 2018	1,093.0	1,131.9	W	W	W
August 2018	1,149.0	1,190.5	W	W	W
September 2017	1,082.9	1,121.4	W	38,219.1	W
Alabama					
September 2018	-	W	-	5,185.1	-
August 2018	-	W	-	W	W
September 2017	-	W	-	W	W
Arkansas					
September 2018	-	-	-	3,046.9	-
August 2018	-	-	-	3,289.1	-
September 2017	-	-	-	3,365.6	-
Louisiana					
September 2018	-	W	-	6,215.4	3,431.6
August 2018	-	W	-	6,505.0	1,441.4
September 2017	-	W	-	6,407.1	2,014.5
Mississippi					
September 2018	-	-	-	W	W
August 2018	-	-	-	3,285.1	1,362.9
September 2017	-	-	-	3,181.0	1,960.4
New Mexico					
September 2018	W	491.7	W	W	-
August 2018	W	512.1	W	W	-
September 2017	W	499.6	W	W	-
Texas					
September 2018	W	W	W	W	W
August 2018	W	652.8	W	W	5,251.0
September 2017	W	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

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
North Dakota					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Ohio					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Oklahoma					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
South Dakota					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Tennessee					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Wisconsin					
September 2018	W	W	-	1,447.7	-
August 2018	W	W	-	1,615.8	-
September 2017	W	W	-	1,504.7	-
PAD District 3					
September 2018	-	-	-	W	W
August 2018	-	-	-	W	W
September 2017	-	-	-	15,119.7	-
Alabama					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Arkansas					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Louisiana					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Mississippi					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
New Mexico					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Texas					
September 2018	-	-	-	W	W
August 2018	-	-	-	W	W
September 2017	-	-	-	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

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
September 2018	W	W	-	1,661.1	-
August 2018	W	W	-	1,878.4	-
September 2017	W	W	-	1,579.4	-
North Dakota					
September 2018	W	W	-	933.7	-
August 2018	W	W	-	1,057.3	-
September 2017	W	W	W	W	-
Ohio					
September 2018	W	W	-	W	W
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Oklahoma					
September 2018	W	W	-	4,159.7	763.0
August 2018	W	W	-	4,488.6	991.7
September 2017	W	W	-	4,882.1	733.6
South Dakota					
September 2018	W	W	-	1,063.0	-
August 2018	W	W	-	1,137.9	-
September 2017	W	15.1	-	996.5	-
Tennessee					
September 2018	W	W	-	10,029.3	-
August 2018	W	W	-	W	W
September 2017	W	W	-	W	W
Wisconsin					
September 2018	W	W	-	5,363.7	-
August 2018	W	W	-	5,950.0	-
September 2017	W	W	W	5,616.5	W
PAD District 3					
September 2018	1,093.0	1,131.9	W	53,759.8	W
August 2018	1,149.0	1,190.5	W	55,933.9	W
September 2017	1,082.9	1,121.4	W	53,338.8	W
Alabama					
September 2018	-	W	-	5,185.1	-
August 2018	-	W	-	W	W
September 2017	-	W	-	W	W
Arkansas					
September 2018	-	-	-	3,046.9	-
August 2018	-	-	-	3,289.1	-
September 2017	-	-	-	3,365.6	-
Louisiana					
September 2018	-	W	-	6,215.4	3,431.6
August 2018	-	W	-	6,505.0	1,441.4
September 2017	-	W	-	6,407.1	2,014.5
Mississippi					
September 2018	-	-	-	W	W
August 2018	-	-	-	3,285.1	1,362.9
September 2017	-	-	-	3,181.0	1,960.4
New Mexico					
September 2018	W	491.7	W	W	-
August 2018	W	512.1	W	W	-
September 2017	W	499.6	W	W	-
Texas					
September 2018	W	W	W	34,518.7	W
August 2018	W	652.8	W	35,555.4	W
September 2017	W	W	W	33,685.9	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

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
September 2018	W	W	W	13,397.4	W
August 2018	W	W	W	14,207.3	W
September 2017	W	540.3	W	13,343.9	W
Colorado					
September 2018	218.9	224.3	W	5,599.0	W
August 2018	231.4	237.2	W	6,046.9	W
September 2017	235.3	239.4	W	5,685.3	W
Idaho					
September 2018	W	W	-	1,696.8	-
August 2018	W	W	-	1,710.9	-
September 2017	W	W	-	1,674.1	-
Montana					
September 2018	W	W	-	1,572.9	-
August 2018	W	W	-	1,820.3	-
September 2017	W	W	-	1,523.1	-
Utah					
September 2018	W	W	W	3,457.9	W
August 2018	W	W	W	3,489.4	W
September 2017	W	W	W	3,409.1	W
Wyoming					
September 2018	W	14.2	-	1,070.7	-
August 2018	W	16.1	-	1,139.9	-
September 2017	W	14.7	-	1,052.3	-
PAD District 5					
September 2018	1,463.9	W	W	13,872.6	W
August 2018	1,514.7	W	W	14,865.5	W
September 2017	W	1,474.8	W	W	W
Alaska					
September 2018	W	W	W	W	NA
August 2018	W	W	W	W	W
September 2017	W	W	101.4	W	W
Arizona					
September 2018	W	W	W	W	-
August 2018	W	W	296.5	W	-
September 2017	W	W	466.2	W	-
California					
September 2018	-	-	-	-	W
August 2018	-	-	-	-	W
September 2017	-	-	-	-	W
Hawaii					
September 2018	W	W	W	W	W
August 2018	W	W	W	W	W
September 2017	W	W	W	W	W
Nevada					
September 2018	W	W	W	1,840.1	W
August 2018	W	W	W	1,995.3	W
September 2017	W	W	W	1,793.8	W
Oregon					
September 2018	115.9	115.9	906.8	3,445.7	-
August 2018	121.5	121.5	949.0	3,670.0	-
September 2017	113.9	113.9	W	3,441.6	W
Washington					
September 2018	422.5	429.4	W	5,929.1	W
August 2018	424.4	433.8	1,328.1	6,446.5	164.8
September 2017	360.8	368.0	W	6,098.1	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

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Colorado					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Idaho					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Montana					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Utah					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Wyoming					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
PAD District 5					
September 2018	4,635.5	W	W	20,682.9	W
August 2018	4,768.5	W	W	21,499.2	W
September 2017	W	4,517.2	W	W	W
Alaska					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Arizona					
September 2018	-	W	W	W	W
August 2018	-	W	W	W	W
September 2017	-	W	W	W	W
California					
September 2018	4,635.5	4,636.5	15,620.2	W	W
August 2018	4,768.5	4,770.2	15,892.8	W	W
September 2017	W	W	15,398.9	18,889.0	W
Hawaii					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Nevada					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Oregon					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-
Washington					
September 2018	-	-	-	-	-
August 2018	-	-	-	-	-
September 2017	-	-	-	-	-

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

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
September 2018	W	W	W	13,397.4	W
August 2018	W	W	W	14,207.3	W
September 2017	W	540.3	W	13,343.9	W
Colorado					
September 2018	218.9	224.3	W	5,599.0	W
August 2018	231.4	237.2	W	6,046.9	W
September 2017	235.3	239.4	W	5,685.3	W
Idaho					
September 2018	W	W	-	1,696.8	-
August 2018	W	W	-	1,710.9	-
September 2017	W	W	-	1,674.1	-
Montana					
September 2018	W	W	-	1,572.9	-
August 2018	W	W	-	1,820.3	-
September 2017	W	W	-	1,523.1	-
Utah					
September 2018	W	W	W	3,457.9	W
August 2018	W	W	W	3,489.4	W
September 2017	W	W	W	3,409.1	W
Wyoming					
September 2018	W	14.2	-	1,070.7	-
August 2018	W	16.1	-	1,139.9	-
September 2017	W	14.7	-	1,052.3	-
PAD District 5					
September 2018	6,099.4	6,169.7	W	34,555.6	W
August 2018	6,283.3	6,367.2	W	36,364.7	W
September 2017	5,919.0	5,992.0	20,522.3	35,554.7	2,909.8
Alaska					
September 2018	W	W	W	W	NA
August 2018	W	W	W	W	W
September 2017	W	W	101.4	W	W
Arizona					
September 2018	W	W	W	4,867.5	W
August 2018	W	W	W	4,959.1	W
September 2017	W	W	W	4,637.2	W
California					
September 2018	4,635.5	4,636.5	15,620.2	17,670.4	2,288.1
August 2018	4,768.5	4,770.2	15,892.8	18,418.7	2,298.6
September 2017	4,513.1	4,514.7	15,398.9	18,889.0	2,201.5
Hawaii					
September 2018	W	W	W	W	W
August 2018	W	W	W	W	W
September 2017	W	W	W	W	W
Nevada					
September 2018	W	W	W	1,840.1	W
August 2018	W	W	W	1,995.3	W
September 2017	W	W	W	1,793.8	W
Oregon					
September 2018	115.9	115.9	906.8	3,445.7	-
August 2018	121.5	121.5	949.0	3,670.0	-
September 2017	113.9	113.9	W	3,441.6	W
Washington					
September 2018	422.5	429.4	W	5,929.1	W
August 2018	424.4	433.8	1,328.1	6,446.5	164.8
September 2017	360.8	368.0	W	6,098.1	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 2017 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 2018	W	391.9	32,050.2	40,235.2	2.2	1,800.9	W	405.0	3,745.5	20,809.0
August 2018	W	527.4	33,312.2	43,256.6	1.2	1,164.3	W	213.4	4,407.2	21,924.8
September 2017	W	476.1	30,387.6	39,563.7	2.4	765.5	62.3	335.0	4,939.7	27,201.9
PAD District 1										
September 2018	W	117.7	5,681.1	7,776.1	W	410.1	-	1.2	W	4,529.8
August 2018	W	142.6	5,676.9	7,445.0	W	22.6	-	1.3	W	3,909.5
September 2017	W	125.2	4,176.3	7,303.3	W	39.2	-	W	W	5,401.2
Subdistrict 1A										
September 2018	-	W	154.2	595.8	W	-	-	-	W	627.4
August 2018	W	W	163.7	573.1	W	-	-	-	W	464.3
September 2017	W	W	196.7	912.4	W	W	-	W	W	800.0
Connecticut										
September 2018	-	-	W	W	-	-	-	-	-	91.0
August 2018	-	-	W	W	-	-	-	-	-	68.6
September 2017	-	-	W	W	-	-	-	-	-	101.2
Maine										
September 2018	-	W	W	W	-	-	-	-	W	191.3
August 2018	W	W	W	W	-	-	-	-	W	144.4
September 2017	W	W	W	W	-	-	-	-	W	222.9
Massachusetts										
September 2018	-	-	79.7	549.3	W	-	-	-	-	85.2
August 2018	-	-	W	514.7	W	-	-	-	-	W
September 2017	-	-	84.1	858.8	W	-	-	-	-	118.6
New Hampshire										
September 2018	-	-	W	W	W	-	-	-	-	W
August 2018	-	-	W	W	W	-	-	-	-	W
September 2017	-	-	W	W	W	-	-	-	-	112.3
Rhode Island										
September 2018	-	-	W	W	W	-	-	-	-	W
August 2018	-	-	W	W	W	-	-	-	-	W
September 2017	-	-	W	W	W	-	-	-	-	W
Vermont										
September 2018	-	-	W	W	-	-	-	-	-	W
August 2018	-	-	W	W	-	-	-	-	-	117.2
September 2017	-	-	W	W	-	W	-	W	W	W
Subdistrict 1B										
September 2018	W	W	2,603.0	5,489.4	1.1	393.6	-	W	-	1,876.9
August 2018	W	W	2,732.1	5,443.4	0.5	W	-	W	-	1,583.3
September 2017	W	W	2,362.4	5,185.2	1.2	21.9	-	W	W	1,793.2
Delaware										
September 2018	-	-	-	-	W	W	-	-	-	W
August 2018	-	-	-	W	W	-	-	-	-	W
September 2017	-	-	-	W	W	-	-	-	-	W
District of Columbia										
September 2018	-	-	-	-	-	-	-	-	-	-
August 2018	-	-	-	-	-	-	-	-	-	-
September 2017	-	-	-	-	-	-	-	-	-	-
Maryland										
September 2018	-	-	W	53.5	-	W	-	-	-	W
August 2018	-	-	W	W	-	W	-	-	-	W
September 2017	-	-	W	51.6	-	W	-	-	-	W
New Jersey										
September 2018	-	-	976.5	3,380.6	W	W	-	-	-	147.4
August 2018	-	W	1,032.3	3,246.4	W	-	-	-	-	214.4
September 2017	-	W	1,099.0	W	W	W	-	-	-	253.7
New York										
September 2018	W	W	1,311.2	108.7	W	9.4	-	W	-	335.1
August 2018	W	W	1,400.1	90.1	W	5.6	-	W	-	250.7
September 2017	-	W	894.1	124.9	W	W	-	-	W	413.0
Pennsylvania										
September 2018	-	W	W	1,946.6	0.6	W	-	W	-	1,189.8
August 2018	W	W	W	1,938.2	0.2	-	-	-	-	913.0
September 2017	W	W	W	1,753.9	0.5	W	-	W	W	953.3

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
Subdistrict 1C										
September 2018	W	87.5	2,923.9	1,690.8	W	16.5	-	W	-	2,025.5
August 2018	-	100.0	2,781.1	1,428.5	W	W	-	W	W	1,861.8
September 2017	W	86.1	1,617.1	1,205.7	W	W	-	W	W	2,808.0
Florida										
September 2018	-	67.3	1,981.0	1,092.1	W	-	-	-	-	264.9
August 2018	-	69.5	1,740.1	1,020.0	W	-	-	-	-	306.8
September 2017	-	62.7	NA	869.2	W	-	-	-	-	402.2
Georgia										
September 2018	W	W	W	184.8	-	W	-	W	-	398.0
August 2018	-	W	W	55.4	-	-	-	W	-	388.4
September 2017	W	W	W	107.3	-	-	-	W	-	529.9
North Carolina										
September 2018	-	W	W	258.8	W	W	-	-	-	687.1
August 2018	-	W	W	186.2	W	W	-	-	-	562.6
September 2017	-	W	W	W	W	W	-	-	-	919.6
South Carolina										
September 2018	-	-	W	71.6	W	W	-	-	-	401.5
August 2018	-	-	W	70.9	W	W	-	-	-	365.3
September 2017	-	-	W	54.4	W	W	-	-	-	399.2
Virginia										
September 2018	-	W	447.7	W	-	W	-	-	-	99.8
August 2018	-	W	533.6	W	-	W	-	-	W	115.1
September 2017	-	W	368.8	W	-	W	-	-	-	194.6
West Virginia										
September 2018	-	-	W	W	W	-	-	-	-	174.1
August 2018	-	-	W	W	W	-	-	-	-	123.6
September 2017	-	-	W	W	W	-	-	-	W	362.5
PAD District 2										
September 2018	W	88.9	6,071.0	4,842.1	W	W	W	184.4	W	7,957.6
August 2018	W	132.5	6,439.7	5,674.1	W	W	W	90.6	W	7,252.0
September 2017	W	W	6,041.0	5,407.9	W	W	W	123.8	W	8,034.5
Illinois										
September 2018	W	W	1,495.4	W	W	W	NA	W	W	1,097.5
August 2018	W	W	1,609.7	W	W	W	W	W	W	1,179.2
September 2017	W	W	1,353.2	W	W	W	W	W	W	1,523.0
Indiana										
September 2018	-	-	1,023.7	252.3	W	W	-	W	-	310.5
August 2018	-	-	1,239.6	236.4	W	W	-	W	-	303.1
September 2017	-	-	988.9	453.6	W	2.3	-	W	W	325.3
Iowa										
September 2018	-	-	W	65.0	-	-	-	W	W	414.5
August 2018	-	-	W	86.4	-	W	-	10.2	W	374.3
September 2017	-	-	W	61.4	-	-	-	11.9	W	368.6
Kansas										
September 2018	W	W	W	W	-	W	-	14.5	-	2,288.6
August 2018	W	W	W	W	-	W	-	9.8	-	1,806.5
September 2017	W	W	W	W	-	W	-	12.8	W	1,816.7
Kentucky										
September 2018	W	W	941.8	555.7	W	W	-	W	-	516.4
August 2018	W	W	819.8	564.7	W	W	W	W	W	467.9
September 2017	W	W	W	621.1	W	W	-	W	-	623.1
Michigan										
September 2018	-	-	W	444.7	W	W	W	W	W	379.9
August 2018	-	-	W	722.1	W	W	W	W	W	287.4
September 2017	-	-	157.2	610.3	W	W	W	W	W	413.6
Minnesota										
September 2018	W	W	173.2	W	W	W	W	30.0	W	427.2
August 2018	W	W	204.5	W	W	W	W	17.5	W	408.2
September 2017	W	W	W	W	W	NA	W	23.1	W	451.0
Missouri										
September 2018	W	-	W	W	-	-	W	1.3	-	321.1
August 2018	W	W	W	W	-	-	W	W	-	259.6
September 2017	W	W	W	W	-	-	W	W	W	290.7

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 2018	W	-	W	W	-	-	-	16.5	-	206.7
August 2018	W	-	W	W	-	-	-	7.6	-	158.5
September 2017	W	-	W	W	-	-	-	7.7	W	217.1
North Dakota										
September 2018	-	-	W	W	-	-	W	50.4	W	475.6
August 2018	-	-	W	W	-	-	W	8.5	W	461.2
September 2017	-	-	W	W	-	-	W	30.1	W	406.7
Ohio										
September 2018	W	W	419.6	432.3	W	W	-	W	-	590.6
August 2018	W	W	405.5	553.9	W	W	-	W	-	563.2
September 2017	-	W	536.6	657.1	W	W	-	W	W	594.2
Oklahoma										
September 2018	W	-	W	514.1	-	W	-	W	-	226.1
August 2018	W	-	W	620.6	-	W	-	W	-	244.3
September 2017	W	-	W	293.3	-	W	-	W	W	240.3
South Dakota										
September 2018	-	-	W	-	-	-	W	11.9	W	141.3
August 2018	-	-	W	-	-	W	W	4.5	W	W
September 2017	-	-	W	-	-	W	W	6.8	W	146.2
Tennessee										
September 2018	W	W	1,107.4	176.3	W	W	-	W	-	150.2
August 2018	W	W	1,169.1	188.7	W	W	-	W	-	W
September 2017	W	W	W	172.6	W	W	-	-	-	153.2
Wisconsin										
September 2018	-	-	62.5	W	W	W	W	W	W	411.6
August 2018	-	-	30.7	W	W	W	W	W	W	465.3
September 2017	-	-	W	W	W	NA	-	8.4	W	464.7
PAD District 3										
September 2018	W	93.8	6,109.2	18,693.4	-	1,355.7	-	-	3,563.6	5,813.6
August 2018	W	156.9	5,874.0	20,214.0	-	1,114.5	-	-	4,159.2	8,280.1
September 2017	W	112.7	5,975.7	16,996.8	-	693.2	W	W	4,759.3	11,048.1
Alabama										
September 2018	-	W	58.5	63.0	-	W	-	-	-	196.1
August 2018	-	W	61.6	63.2	-	W	-	-	-	169.6
September 2017	-	W	86.3	W	-	W	-	-	-	222.2
Arkansas										
September 2018	W	W	W	W	-	-	-	-	-	W
August 2018	-	-	W	W	-	-	-	-	-	W
September 2017	W	-	W	80.4	-	-	W	-	W	W
Louisiana										
September 2018	-	6.1	664.0	5,608.6	-	W	-	-	783.6	247.3
August 2018	-	6.2	626.0	5,254.4	-	W	-	-	W	208.1
September 2017	W	6.1	935.7	6,131.6	-	W	-	W	742.7	118.6
Mississippi										
September 2018	-	W	1,090.3	1,569.6	-	-	-	-	-	369.8
August 2018	-	W	521.2	1,856.4	-	-	-	-	-	422.9
September 2017	-	W	926.6	2,436.3	-	-	-	-	-	228.8
New Mexico										
September 2018	W	-	W	W	-	-	-	-	-	W
August 2018	W	-	W	W	-	-	-	-	-	W
September 2017	W	-	W	W	-	-	-	-	W	W
Texas										
September 2018	W	W	4,212.2	11,305.3	-	W	-	-	2,780.0	4,863.4
August 2018	W	W	4,593.6	12,895.9	-	W	-	-	W	7,342.0
September 2017	W	W	3,963.3	8,211.4	-	3.1	-	-	4,016.4	10,372.0

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 2018	W	W	929.6	1,183.0	-	-	W	37.0	W	799.0
August 2018	W	W	1,050.6	1,296.9	-	-	W	14.7	W	869.2
September 2017	W	W	1,008.6	983.9	-	-	W	50.0	W	872.9
Colorado										
September 2018	W	-	322.0	756.6	-	-	-	7.5	W	313.0
August 2018	W	-	319.1	802.1	-	-	-	4.5	W	311.5
September 2017	W	-	312.3	NA	-	-	-	8.6	W	329.8
Idaho										
September 2018	-	-	W	25.9	-	-	-	W	W	W
August 2018	-	-	W	W	-	-	-	W	W	49.7
September 2017	-	-	W	18.9	-	-	W	W	W	W
Montana										
September 2018	W	W	W	W	-	-	W	16.6	W	138.6
August 2018	-	W	W	W	-	-	W	7.4	W	152.4
September 2017	-	W	W	W	-	-	W	20.3	W	163.4
Utah										
September 2018	W	W	418.9	302.3	-	-	-	W	-	W
August 2018	W	W	493.3	313.8	-	-	-	-	-	103.6
September 2017	W	W	473.4	267.5	-	-	-	W	-	W
Wyoming										
September 2018	-	-	W	W	-	-	W	6.5	-	221.8
August 2018	-	-	W	40.1	-	-	-	W	-	251.9
September 2017	-	-	W	W	-	-	-	9.6	W	271.3
PAD District 5										
September 2018	W	W	13,259.4	7,740.7	-	W	W	NA	W	1,709.0
August 2018	W	W	14,270.9	8,626.5	-	W	W	106.7	W	1,614.1
September 2017	W	127.7	13,186.0	8,871.9	-	W	W	158.8	W	1,845.2
Alaska										
September 2018	NA	NA	W	W	-	-	W	W	NA	W
August 2018	W	W	W	W	-	-	W	W	W	W
September 2017	W	W	W	W	-	-	W	W	W	W
Arizona										
September 2018	W	W	65.3	325.9	-	-	-	-	-	168.8
August 2018	W	W	93.5	311.3	-	-	-	-	-	151.1
September 2017	W	W	130.4	215.9	-	-	-	-	W	154.5
California										
September 2018	W	37.6	8,372.6	5,679.1	-	W	-	-	-	923.8
August 2018	W	43.9	8,637.6	6,544.2	-	W	-	-	-	886.6
September 2017	-	W	7,895.8	7,008.5	-	W	-	-	W	1,120.8
Hawaii										
September 2018	-	W	W	W	-	-	-	-	-	W
August 2018	-	W	W	W	-	-	-	-	-	W
September 2017	-	W	W	W	-	-	-	-	-	W
Nevada										
September 2018	-	-	W	W	-	-	-	-	-	76.6
August 2018	-	-	W	W	-	-	-	-	-	48.6
September 2017	-	-	W	W	-	-	-	-	-	51.2
Oregon										
September 2018	-	18.6	520.0	69.9	-	-	-	W	W	W
August 2018	-	15.3	625.4	85.4	-	-	-	W	W	W
September 2017	-	12.4	W	85.2	-	-	-	W	W	W
Washington										
September 2018	-	W	1,814.2	390.9	-	-	-	W	W	434.7
August 2018	-	W	2,143.6	373.9	-	-	-	NA	W	423.2
September 2017	-	W	2,295.9	309.2	-	-	W	W	W	431.6

- = 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 2017 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

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
September 2018	12,701.8	153,071.7	W	W	W	W
August 2018	13,089.6	157,115.8	W	W	W	W
September 2017	11,960.2	145,765.8	W	3,399.3	W	993.1
PAD District 1						
September 2018	W	30,248.8	-	W	-	W
August 2018	W	W	-	-	-	W
September 2017	W	28,467.0	-	W	-	W
Subdistrict 1A						
September 2018	W	1,333.8	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
Connecticut						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	239.8	-	-	-	-
Maine						
September 2018	-	W	-	-	-	-
August 2018	-	W	-	-	-	-
September 2017	-	W	-	-	-	-
Massachusetts						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
New Hampshire						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
Rhode Island						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
Vermont						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
Subdistrict 1B						
September 2018	W	W	-	-	-	W
August 2018	W	W	-	-	-	W
September 2017	W	W	-	W	-	W
Delaware						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
District of Columbia						
September 2018	-	W	-	-	-	-
August 2018	-	W	-	-	-	-
September 2017	-	W	-	-	-	-
Maryland						
September 2018	-	W	-	-	-	W
August 2018	-	W	-	-	-	W
September 2017	-	W	-	-	-	-
New Jersey						
September 2018	170.3	5,542.6	-	-	-	-
August 2018	169.6	4,820.3	-	-	-	-
September 2017	170.5	W	-	W	-	-
New York						
September 2018	180.1	W	-	-	-	W
August 2018	195.0	W	-	-	-	W
September 2017	175.5	W	-	-	-	W
Pennsylvania						
September 2018	W	6,400.9	-	-	-	-
August 2018	W	6,510.2	-	-	-	-
September 2017	W	W	-	-	-	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
September 2018	812.3	W	-	W	-	-
August 2018	940.5	W	-	-	-	-
September 2017	798.0	W	-	-	-	-
Florida						
September 2018	247.2	W	-	W	-	-
August 2018	278.9	4,709.1	-	-	-	-
September 2017	255.5	4,186.3	-	-	-	-
Georgia						
September 2018	90.1	2,457.2	-	-	-	-
August 2018	90.6	2,661.8	-	-	-	-
September 2017	66.8	2,068.5	-	-	-	-
North Carolina						
September 2018	359.7	W	-	-	-	-
August 2018	405.9	W	-	-	-	-
September 2017	W	W	-	-	-	-
South Carolina						
September 2018	38.8	1,493.5	-	-	-	-
August 2018	49.6	1,458.9	-	-	-	-
September 2017	W	1,205.1	-	-	-	-
Virginia						
September 2018	W	W	-	-	-	-
August 2018	W	2,910.6	-	-	-	-
September 2017	12.2	2,350.3	-	-	-	-
West Virginia						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
PAD District 2						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
Illinois						
September 2018	327.3	6,865.4	-	-	-	-
August 2018	357.0	7,005.4	-	-	-	-
September 2017	W	6,185.6	-	-	-	-
Indiana						
September 2018	W	3,830.5	-	-	-	-
August 2018	W	3,726.2	-	-	-	-
September 2017	W	3,777.2	-	-	-	-
Iowa						
September 2018	W	1,949.9	-	-	-	-
August 2018	W	1,823.2	-	-	-	-
September 2017	15.0	1,971.6	-	-	-	-
Kansas						
September 2018	539.0	3,657.9	-	-	-	-
August 2018	479.1	3,818.7	-	-	-	-
September 2017	W	3,035.6	-	-	-	-
Kentucky						
September 2018	431.0	W	-	-	-	-
August 2018	457.6	2,000.4	-	-	-	-
September 2017	W	1,805.8	-	-	-	-
Michigan						
September 2018	227.3	W	-	-	-	-
August 2018	243.9	W	-	-	-	-
September 2017	W	W	-	-	-	-
Minnesota						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	2,663.7	-	-	-	-
Missouri						
September 2018	W	1,696.2	-	-	-	-
August 2018	2.1	1,733.3	-	-	-	-
September 2017	1.7	1,588.2	-	-	-	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	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 2018	W	1,454.1	-	-	-	-
August 2018	W	1,534.0	-	-	-	-
September 2017	W	1,296.3	-	-	-	-
North Dakota						
September 2018	W	1,677.3	-	-	-	-
August 2018	W	1,940.2	-	-	-	-
September 2017	W	1,379.2	-	-	-	-
Ohio						
September 2018	698.3	5,110.3	-	-	-	-
August 2018	690.4	5,425.6	-	-	-	-
September 2017	677.0	4,982.7	-	-	-	-
Oklahoma						
September 2018	W	5,876.9	-	-	-	-
August 2018	W	5,992.7	-	-	-	-
September 2017	382.3	5,845.0	-	-	-	-
South Dakota						
September 2018	W	648.7	-	-	-	-
August 2018	W	663.9	-	-	-	-
September 2017	W	588.9	-	-	-	-
Tennessee						
September 2018	344.4	3,685.1	-	-	-	-
August 2018	344.5	3,600.9	-	-	-	-
September 2017	272.9	3,136.3	-	-	-	-
Wisconsin						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	2,235.5	-	-	-	-
PAD District 3						
September 2018	2,801.4	49,054.1	W	W	W	W
August 2018	W	50,413.3	W	W	-	W
September 2017	W	47,743.6	W	W	-	W
Alabama						
September 2018	137.8	1,832.7	-	-	-	-
August 2018	152.7	1,761.4	-	-	-	-
September 2017	183.9	1,562.0	-	-	-	-
Arkansas						
September 2018	W	1,391.5	-	-	-	-
August 2018	W	1,529.3	-	-	-	-
September 2017	W	1,671.1	-	-	-	-
Louisiana						
September 2018	277.6	W	-	W	-	W
August 2018	316.1	9,312.3	-	W	-	W
September 2017	193.2	W	-	W	-	W
Mississippi						
September 2018	45.8	W	-	-	-	-
August 2018	25.8	2,440.7	-	-	-	-
September 2017	49.4	W	-	-	-	-
New Mexico						
September 2018	425.8	1,298.9	-	-	-	-
August 2018	344.3	1,399.3	-	-	-	-
September 2017	346.4	1,102.6	-	-	-	-
Texas						
September 2018	W	31,431.3	W	W	W	W
August 2018	1,947.4	33,970.3	W	W	-	W
September 2017	1,807.1	29,630.2	W	W	-	W

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	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 2018	W	6,936.4	-	-	-	-
August 2018	W	7,212.4	-	-	-	-
September 2017	W	7,311.2	-	-	-	-
Colorado						
September 2018	241.6	2,051.7	-	-	-	-
August 2018	247.3	2,273.1	-	-	-	-
September 2017	241.8	2,185.7	-	-	-	-
Idaho						
September 2018	W	718.5	-	-	-	-
August 2018	W	681.4	-	-	-	-
September 2017	W	866.5	-	-	-	-
Montana						
September 2018	W	1,184.1	-	-	-	-
August 2018	W	1,384.0	-	-	-	-
September 2017	W	1,161.9	-	-	-	-
Utah						
September 2018	W	1,778.1	-	-	-	-
August 2018	W	1,606.4	-	-	-	-
September 2017	W	1,851.5	-	-	-	-
Wyoming						
September 2018	370.7	1,204.0	-	-	-	-
August 2018	374.6	1,267.6	-	-	-	-
September 2017	401.7	1,245.6	-	-	-	-
PAD District 5						
September 2018	W	W	W	-	W	W
August 2018	W	W	W	-	W	W
September 2017	W	W	W	-	W	W
Alaska						
September 2018	W	W	-	-	-	-
August 2018	W	W	-	-	-	-
September 2017	W	W	-	-	-	-
Arizona						
September 2018	441.5	1,069.8	-	-	-	-
August 2018	450.2	1,155.1	-	-	-	-
September 2017	402.1	1,057.4	-	-	-	-
California						
September 2018	1,335.1	W	-	-	-	W
August 2018	1,274.6	W	-	-	-	W
September 2017	1,315.9	W	-	-	-	W
Hawaii						
September 2018	W	W	W	-	W	W
August 2018	W	W	W	-	W	W
September 2017	W	W	W	-	W	W
Nevada						
September 2018	W	452.3	-	-	-	-
August 2018	W	444.5	-	-	-	-
September 2017	W	502.3	-	-	-	-
Oregon						
September 2018	4.1	2,128.0	-	-	-	-
August 2018	4.2	2,352.6	-	-	-	-
September 2017	7.4	2,176.4	-	-	-	-
Washington						
September 2018	W	3,870.5	-	-	-	-
August 2018	W	3,688.0	-	-	-	-
September 2017	W	3,270.6	-	-	-	-

- = 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 2017 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 2018	NA	4,672.1	13,355.5	161,081.9
August 2018	49.5	3,260.6	13,429.3	162,706.1
September 2017	53.3	5,476.6	12,432.7	155,634.7
PAD District 1				
September 2018	W	3,948.5	1,480.0	34,344.7
August 2018	W	2,171.5	1,618.2	33,295.7
September 2017	W	3,439.2	1,476.1	32,068.5
Subdistrict 1A				
September 2018	-	818.1	W	2,151.9
August 2018	-	W	W	1,683.5
September 2017	-	W	W	1,225.5
Connecticut				
September 2018	-	W	W	1,001.7
August 2018	-	W	W	705.2
September 2017	-	-	W	239.8
Maine				
September 2018	-	W	-	W
August 2018	-	W	-	W
September 2017	-	W	-	141.2
Massachusetts				
September 2018	-	W	W	400.6
August 2018	-	W	W	336.8
September 2017	-	W	W	416.9
New Hampshire				
September 2018	-	W	W	W
August 2018	-	-	W	W
September 2017	-	W	W	W
Rhode Island				
September 2018	-	W	W	NA
August 2018	-	W	W	NA
September 2017	-	W	W	260.9
Vermont				
September 2018	-	W	W	W
August 2018	-	W	W	W
September 2017	-	W	W	W
Subdistrict 1B				
September 2018	W	2,665.0	W	17,093.8
August 2018	W	1,914.6	W	16,170.3
September 2017	W	3,174.8	W	17,778.9
Delaware				
September 2018	-	W	W	W
August 2018	-	W	W	W
September 2017	-	W	W	W
District of Columbia				
September 2018	-	-	-	W
August 2018	-	-	-	W
September 2017	-	-	-	W
Maryland				
September 2018	-	106.1	-	1,261.7
August 2018	-	W	-	1,296.5
September 2017	W	W	W	1,064.1
New Jersey				
September 2018	-	1,541.3	170.3	7,083.9
August 2018	-	1,115.9	169.6	5,936.1
September 2017	-	1,515.8	170.5	7,583.9
New York				
September 2018	-	W	180.1	1,219.2
August 2018	-	104.5	195.0	1,391.9
September 2017	-	240.6	175.5	1,249.9
Pennsylvania				
September 2018	W	669.1	286.6	7,070.0
August 2018	W	498.2	277.0	7,008.3
September 2017	W	W	299.9	7,717.7

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
Subdistrict 1C				
September 2018	-	465.4	812.3	15,099.0
August 2018	-	W	940.5	15,441.9
September 2017	-	W	798.0	13,064.2
Florida				
September 2018	-	W	247.2	4,729.3
August 2018	-	-	278.9	4,709.1
September 2017	-	-	255.5	4,186.3
Georgia				
September 2018	-	-	90.1	2,457.2
August 2018	-	-	90.6	2,661.8
September 2017	-	-	66.8	2,068.5
North Carolina				
September 2018	-	W	359.7	2,713.0
August 2018	-	W	405.9	2,900.4
September 2017	-	W	W	2,596.7
South Carolina				
September 2018	-	-	38.8	1,493.5
August 2018	-	-	49.6	1,458.9
September 2017	-	-	W	1,205.1
Virginia				
September 2018	-	W	W	3,005.5
August 2018	-	-	W	2,910.6
September 2017	-	-	12.2	2,350.3
West Virginia				
September 2018	-	W	W	700.5
August 2018	-	W	W	801.1
September 2017	-	W	W	657.3
PAD District 2				
September 2018	W	W	4,519.0	45,323.1
August 2018	W	W	4,747.4	47,006.3
September 2017	W	W	4,165.9	43,021.6
Illinois				
September 2018	-	-	327.3	6,865.4
August 2018	-	-	357.0	7,005.4
September 2017	-	-	W	6,185.6
Indiana				
September 2018	-	-	W	3,830.5
August 2018	-	-	W	3,726.2
September 2017	-	-	W	3,777.2
Iowa				
September 2018	-	-	W	1,949.9
August 2018	-	-	W	1,823.2
September 2017	-	-	15.0	1,971.6
Kansas				
September 2018	-	-	539.0	3,657.9
August 2018	-	-	479.1	3,818.7
September 2017	-	-	W	3,035.6
Kentucky				
September 2018	-	W	431.0	1,814.1
August 2018	-	-	457.6	2,000.4
September 2017	-	-	W	1,805.8
Michigan				
September 2018	-	W	227.3	2,479.2
August 2018	-	W	243.9	2,648.1
September 2017	-	W	W	2,530.1
Minnesota				
September 2018	W	W	308.3	2,519.6
August 2018	W	W	306.0	2,902.3
September 2017	W	-	277.0	2,663.7
Missouri				
September 2018	-	-	W	1,696.2
August 2018	-	-	2.1	1,733.3
September 2017	-	-	1.7	1,588.2

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 2018	-	-	W	1,454.1
August 2018	-	-	W	1,534.0
September 2017	-	-	W	1,296.3
North Dakota				
September 2018	W	-	W	1,677.3
August 2018	W	-	W	1,940.2
September 2017	-	-	W	1,379.2
Ohio				
September 2018	-	-	698.3	5,110.3
August 2018	-	-	690.4	5,425.6
September 2017	-	-	677.0	4,982.7
Oklahoma				
September 2018	-	-	W	5,876.9
August 2018	-	-	W	5,992.7
September 2017	-	-	382.3	5,845.0
South Dakota				
September 2018	W	-	W	648.7
August 2018	W	-	W	663.9
September 2017	W	-	W	588.9
Tennessee				
September 2018	-	-	344.4	3,685.1
August 2018	-	-	344.5	3,600.9
September 2017	-	-	272.9	3,136.3
Wisconsin				
September 2018	W	W	46.4	2,057.9
August 2018	W	W	44.8	2,191.5
September 2017	W	-	44.7	2,235.5
PAD District 3				
September 2018	-	651.3	3,034.8	52,591.4
August 2018	-	984.1	2,953.0	53,078.4
September 2017	-	1,912.3	2,649.6	53,584.8
Alabama				
September 2018	-	-	137.8	1,832.7
August 2018	-	-	152.7	1,761.4
September 2017	-	-	183.9	1,562.0
Arkansas				
September 2018	-	-	W	1,391.5
August 2018	-	-	W	1,529.3
September 2017	-	-	W	1,671.1
Louisiana				
September 2018	-	W	277.6	13,338.8
August 2018	-	162.6	316.1	11,078.8
September 2017	-	W	193.2	15,640.4
Mississippi				
September 2018	-	W	W	2,479.8
August 2018	-	-	W	2,440.7
September 2017	-	W	W	2,496.5
New Mexico				
September 2018	-	-	425.8	1,298.9
August 2018	-	-	344.3	1,399.3
September 2017	-	-	346.4	1,102.6
Texas				
September 2018	-	371.2	1,996.9	32,249.7
August 2018	-	821.5	1,969.7	34,868.9
September 2017	-	1,075.8	1,814.6	31,112.3

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
PAD District 4				
September 2018	W	-	1,307.8	6,936.4
August 2018	W	-	1,312.2	7,212.4
September 2017	W	-	1,240.0	7,311.2
Colorado				
September 2018	-	-	241.6	2,051.7
August 2018	-	-	247.3	2,273.1
September 2017	-	-	241.8	2,185.7
Idaho				
September 2018	W	-	W	718.5
August 2018	W	-	W	681.4
September 2017	W	-	W	866.5
Montana				
September 2018	-	-	W	1,184.1
August 2018	-	-	W	1,384.0
September 2017	-	-	W	1,161.9
Utah				
September 2018	W	-	423.7	1,778.1
August 2018	W	-	385.3	1,606.4
September 2017	W	-	311.5	1,851.5
Wyoming				
September 2018	-	-	370.7	1,204.0
August 2018	-	-	374.6	1,267.6
September 2017	-	-	401.7	1,245.6
PAD District 5				
September 2018	W	W	3,013.8	21,886.3
August 2018	W	W	2,798.5	22,113.3
September 2017	W	W	2,901.1	19,648.5
Alaska				
September 2018	NA	W	W	W
August 2018	W	W	W	W
September 2017	W	W	W	W
Arizona				
September 2018	-	-	441.5	1,069.8
August 2018	-	-	450.2	1,155.1
September 2017	-	-	402.1	1,057.4
California				
September 2018	-	-	1,335.1	13,782.4
August 2018	-	-	1,274.6	13,626.6
September 2017	-	-	1,315.9	12,154.8
Hawaii				
September 2018	-	-	W	W
August 2018	-	-	W	W
September 2017	-	-	W	W
Nevada				
September 2018	W	-	W	452.3
August 2018	W	-	W	444.5
September 2017	W	-	W	502.3
Oregon				
September 2018	-	-	4.1	2,128.0
August 2018	-	-	4.2	2,352.6
September 2017	-	-	7.4	2,176.4
Washington				
September 2018	W	-	356.0	3,870.5
August 2018	W	-	351.8	3,688.0
September 2017	W	-	375.2	3,270.6

- = 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 2017 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

Geographic area month	Residual fuel oil						No. 4 fuel[a]	
	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total		Sales to end users	Sales for resale
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale		
United States								
September 2018	W	220.9	W	7,614.4	3,569.0	7,835.3	-	W
August 2018	W	495.3	W	7,091.0	3,219.3	7,586.2	-	W
September 2017	W	662.1	W	7,182.9	4,075.4	7,845.0	W	W
PAD District 1								
September 2018	W	W	W	W	W	2,040.2	-	-
August 2018	W	W	W	W	W	W	-	-
September 2017	W	W	W	W	467.2	3,287.8	-	-
Subdistrict 1A								
September 2018	-	-	-	-	-	-	-	-
August 2018	-	-	-	-	-	-	-	-
September 2017	-	-	-	-	-	-	-	-
Subdistrict 1B								
September 2018	W	W	W	W	W	2,040.2	-	-
August 2018	W	W	W	W	W	W	-	-
September 2017	W	W	W	W	W	W	-	-
Subdistrict 1C								
September 2018	-	-	-	-	-	-	-	-
August 2018	-	-	-	-	-	-	-	-
September 2017	-	-	W	W	W	W	-	-
PAD District 2								
September 2018	-	-	NA	W	NA	W	-	-
August 2018	-	-	-	W	-	W	-	-
September 2017	-	-	-	122.0	-	122.0	-	W
PAD District 3								
September 2018	-	W	W	W	W	4,375.7	-	W
August 2018	-	W	W	W	W	4,605.6	-	W
September 2017	-	W	808.2	W	808.2	3,404.2	-	W
PAD District 4								
September 2018	-	-	-	W	-	W	-	-
August 2018	-	-	-	W	-	W	-	-
September 2017	-	-	-	W	-	W	W	-
PAD District 5								
September 2018	W	W	W	W	2,805.0	1,333.9	-	-
August 2018	W	W	W	W	2,606.9	1,109.6	-	-
September 2017	W	W	W	W	2,800.0	W	-	-

- = 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 2017 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 2018	219,145.6	103,930.0	323,075.6	3,666.6	2,307.7	5,974.3
August 2018	231,360.1	107,878.3	339,238.4	3,969.8	2,460.4	6,430.2
September 2017	222,503.8	103,513.9	326,017.7	4,020.8	2,497.5	6,518.2
PAD District 1						
September 2018	66,222.3	40,201.4	106,423.7	1,354.3	880.7	2,235.0
August 2018	69,641.2	41,809.1	111,450.2	1,429.8	973.9	2,403.7
September 2017	65,435.1	40,456.6	105,891.7	1,399.0	980.8	2,379.7
Subdistrict 1A						
September 2018	1,815.7	12,768.6	14,584.4	18.9	322.1	341.0
August 2018	1,997.1	13,543.2	15,540.3	23.5	354.4	377.9
September 2017	1,925.1	12,324.5	14,249.5	15.8	323.7	339.5
Connecticut						
September 2018	-	3,517.8	3,517.8	-	87.1	87.1
August 2018	-	3,700.2	3,700.2	-	93.5	93.5
September 2017	-	3,452.4	3,452.4	-	91.7	91.7
Maine						
September 2018	759.3	1,107.4	1,866.7	8.0	18.2	26.2
August 2018	834.4	1,227.8	2,062.2	11.8	22.3	34.1
September 2017	752.5	1,125.4	1,877.8	3.5	18.1	21.6
Massachusetts						
September 2018	-	5,528.2	5,528.2	-	156.7	156.7
August 2018	-	5,805.7	5,805.7	-	165.8	165.8
September 2017	-	5,309.7	5,309.7	-	148.5	148.5
New Hampshire						
September 2018	296.3	1,081.0	1,377.3	1.8	25.4	27.2
August 2018	334.4	1,134.1	1,468.5	2.5	31.5	33.9
September 2017	355.3	979.9	1,335.2	2.6	22.3	24.9
Rhode Island						
September 2018	-	1,534.2	1,534.2	-	34.7	34.7
August 2018	-	1,675.3	1,675.3	-	41.4	41.4
September 2017	-	1,457.1	1,457.1	-	43.1	43.1
Vermont						
September 2018	760.1	-	760.1	9.1	-	9.1
August 2018	828.3	-	828.3	9.2	-	9.2
September 2017	817.3	-	817.3	9.7	-	9.7
Subdistrict 1B						
September 2018	13,170.4	23,330.4	36,500.8	130.7	484.5	615.2
August 2018	13,376.0	24,057.2	37,433.2	150.1	540.5	690.6
September 2017	12,343.1	23,693.0	36,036.2	173.5	542.4	715.9
Delaware						
September 2018	-	1,194.0	1,194.0	-	9.3	9.3
August 2018	-	1,176.8	1,176.8	-	12.4	12.4
September 2017	-	1,151.3	1,151.3	-	13.3	13.3
District of Columbia						
September 2018	-	168.2	168.2	-	3.1	3.1
August 2018	-	167.1	167.1	-	3.1	3.1
September 2017	-	137.3	137.3	-	5.7	5.7
Maryland						
September 2018	675.3	3,896.9	4,572.2	4.3	52.2	56.5
August 2018	654.0	4,126.9	4,780.9	6.6	62.7	69.3
September 2017	582.9	4,415.7	4,998.6	6.2	81.5	87.7
New Jersey						
September 2018	-	8,779.9	8,779.9	-	132.0	132.0
August 2018	-	8,946.9	8,946.9	-	147.4	147.4
September 2017	-	8,671.0	8,671.0	-	132.2	132.2
New York						
September 2018	6,080.9	6,712.3	12,793.2	66.8	263.3	330.1
August 2018	6,587.8	6,869.0	13,456.8	77.8	284.5	362.3
September 2017	5,701.4	7,042.2	12,743.6	78.9	260.2	339.1
Pennsylvania						
September 2018	6,414.2	2,579.1	8,993.3	59.7	24.6	84.2
August 2018	6,134.1	2,770.6	8,904.7	65.7	30.5	96.2
September 2017	6,058.8	2,275.6	8,334.4	88.4	49.4	137.8

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	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
September 2018	22,769.7	19,242.1	42,011.8	245,581.9	125,479.8	371,061.7
August 2018	24,685.8	19,677.5	44,363.2	260,015.7	130,016.1	390,031.8
September 2017	23,303.7	19,274.0	42,577.7	249,828.3	125,285.4	375,113.6
PAD District 1						
September 2018	7,287.8	6,633.9	13,921.7	74,864.4	47,716.0	122,580.3
August 2018	7,711.6	6,809.6	14,521.3	78,782.6	49,592.6	128,375.2
September 2017	7,494.4	6,438.8	13,933.3	74,328.5	47,876.2	122,204.7
Subdistrict 1A						
September 2018	132.1	1,770.8	1,902.9	1,966.7	14,861.6	16,828.3
August 2018	161.9	1,876.1	2,038.0	2,182.5	15,773.7	17,956.2
September 2017	179.5	1,633.8	1,813.3	2,120.4	14,282.0	16,402.3
Connecticut						
September 2018	-	546.4	546.4	-	4,151.3	4,151.3
August 2018	-	566.0	566.0	-	4,359.6	4,359.6
September 2017	-	555.0	555.0	-	4,099.2	4,099.2
Maine						
September 2018	44.1	97.3	141.4	811.4	1,222.9	2,034.3
August 2018	53.4	117.1	170.5	899.6	1,367.2	2,266.8
September 2017	72.6	68.6	141.2	828.6	1,212.1	2,040.6
Massachusetts						
September 2018	-	790.5	790.5	-	6,475.5	6,475.5
August 2018	-	826.1	826.1	-	6,797.6	6,797.6
September 2017	-	713.9	713.9	-	6,172.1	6,172.1
New Hampshire						
September 2018	15.1	118.6	133.7	313.2	1,225.0	1,538.2
August 2018	20.6	133.0	153.6	357.5	1,298.6	1,656.1
September 2017	28.7	101.1	129.8	386.6	1,103.2	1,489.9
Rhode Island						
September 2018	-	218.1	218.1	-	1,787.0	1,787.0
August 2018	-	233.9	233.9	-	1,950.6	1,950.6
September 2017	-	195.2	195.2	-	1,695.4	1,695.4
Vermont						
September 2018	72.9	-	72.9	842.0	-	842.0
August 2018	87.9	-	87.9	925.4	-	925.4
September 2017	78.2	-	78.2	905.2	-	905.2
Subdistrict 1B						
September 2018	1,150.0	4,110.8	5,260.8	14,451.1	27,925.8	42,376.9
August 2018	1,311.6	4,180.9	5,492.5	14,837.7	28,778.6	43,616.3
September 2017	1,192.7	4,015.4	5,208.1	13,709.3	28,250.8	41,960.1
Delaware						
September 2018	-	131.7	131.7	-	1,335.1	1,335.1
August 2018	-	134.6	134.6	-	1,323.8	1,323.8
September 2017	-	128.6	128.6	-	1,293.2	1,293.2
District of Columbia						
September 2018	-	34.6	34.6	-	205.9	205.9
August 2018	-	32.7	32.7	-	202.9	202.9
September 2017	-	30.9	30.9	-	173.9	173.9
Maryland						
September 2018	49.4	644.3	693.6	728.9	4,593.4	5,322.3
August 2018	61.7	677.5	739.2	722.4	4,867.0	5,589.5
September 2017	54.6	686.7	741.3	643.7	5,183.9	5,827.5
New Jersey						
September 2018	-	1,317.7	1,317.7	-	10,229.5	10,229.5
August 2018	-	1,358.8	1,358.8	-	10,453.1	10,453.1
September 2017	-	1,266.9	1,266.9	-	10,070.1	10,070.1
New York						
September 2018	568.4	1,584.7	2,153.1	6,716.1	8,560.4	15,276.5
August 2018	693.1	1,608.7	2,301.8	7,358.7	8,762.2	16,120.9
September 2017	617.6	1,571.7	2,189.3	6,398.0	8,874.0	15,272.0
Pennsylvania						
September 2018	532.2	397.9	930.1	7,006.1	3,001.5	10,007.7
August 2018	556.7	368.5	925.3	6,756.5	3,169.7	9,926.2
September 2017	520.5	330.7	851.2	6,667.6	2,655.8	9,323.4

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 2018	51,236.2	4,102.3	55,338.5	1,204.7	74.0	1,278.7
August 2018	54,268.0	4,208.6	58,476.7	1,256.2	79.0	1,335.2
September 2017	51,166.9	4,439.1	55,606.0	1,209.7	114.7	1,324.4
Florida						
September 2018	17,160.9	-	17,160.9	297.9	-	297.9
August 2018	17,684.8	-	17,684.8	307.2	-	307.2
September 2017	16,584.3	-	16,584.3	329.9	-	329.9
Georgia						
September 2018	11,843.8	-	11,843.8	343.7	-	343.7
August 2018	12,354.2	-	12,354.2	364.5	-	364.5
September 2017	11,905.8	-	11,905.8	319.6	-	319.6
North Carolina						
September 2018	10,419.9	-	10,419.9	303.5	-	303.5
August 2018	11,201.0	-	11,201.0	298.6	-	298.6
September 2017	10,721.0	-	10,721.0	281.6	-	281.6
South Carolina						
September 2018	6,186.4	-	6,186.4	179.2	-	179.2
August 2018	6,885.8	-	6,885.8	197.5	-	197.5
September 2017	6,290.8	-	6,290.8	175.5	-	175.5
Virginia						
September 2018	3,768.5	4,102.3	7,870.9	62.2	74.0	136.3
August 2018	4,130.0	4,208.6	8,338.6	69.1	79.0	148.2
September 2017	3,754.3	4,439.1	8,193.3	73.7	114.7	188.4
West Virginia						
September 2018	1,856.6	-	1,856.6	18.1	-	18.1
August 2018	2,012.3	-	2,012.3	19.1	-	19.1
September 2017	1,910.7	-	1,910.7	29.4	-	29.4
PAD District 2						
September 2018	78,193.3	13,225.5	91,418.9	1,144.2	188.2	1,332.5
August 2018	83,277.4	13,632.8	96,910.3	1,279.2	197.5	1,476.7
September 2017	79,505.7	13,026.4	92,532.1	1,276.2	204.4	1,480.6
Illinois						
September 2018	4,477.1	7,070.5	11,547.6	63.6	90.9	154.5
August 2018	4,562.5	7,244.1	11,806.6	64.5	94.5	159.0
September 2017	4,348.6	7,025.2	11,373.8	69.9	100.3	170.2
Indiana						
September 2018	6,637.8	1,016.3	7,654.0	85.3	22.7	108.0
August 2018	7,014.6	1,098.4	8,112.9	90.4	24.2	114.6
September 2017	6,970.6	989.6	7,960.2	94.4	24.0	118.4
Iowa						
September 2018	2,516.3	-	2,516.3	89.6	-	89.6
August 2018	2,844.0	-	2,844.0	99.3	-	99.3
September 2017	2,753.8	-	2,753.8	95.1	-	95.1
Kansas						
September 2018	4,015.7	-	4,015.7	52.9	-	52.9
August 2018	4,233.0	-	4,233.0	56.0	-	56.0
September 2017	4,024.9	-	4,024.9	54.7	-	54.7
Kentucky						
September 2018	4,262.1	828.4	5,090.5	55.9	15.8	71.7
August 2018	4,446.5	895.0	5,341.5	62.1	16.8	78.8
September 2017	4,194.2	978.0	5,172.1	57.9	17.0	74.8
Michigan						
September 2018	11,947.7	-	11,947.7	87.6	-	87.6
August 2018	12,685.7	-	12,685.7	113.8	-	113.8
September 2017	11,891.0	-	11,891.0	82.3	-	82.3
Minnesota						
September 2018	5,461.5	-	5,461.5	123.4	-	123.4
August 2018	5,882.0	-	5,882.0	144.9	-	144.9
September 2017	5,707.8	-	5,707.8	153.2	-	153.2
Missouri						
September 2018	4,637.5	2,462.7	7,100.2	78.7	41.1	119.9
August 2018	5,148.4	2,416.4	7,564.7	85.7	42.8	128.5
September 2017	5,126.9	2,133.7	7,260.6	83.3	40.7	124.0

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 2018	6,005.7	752.2	6,757.9	58,446.5	4,928.6	63,375.1
August 2018	6,238.2	752.6	6,990.8	61,762.4	5,040.3	66,802.7
September 2017	6,122.3	789.6	6,911.9	58,498.8	5,343.4	63,842.2
Florida						
September 2018	2,222.4	-	2,222.4	19,681.2	-	19,681.2
August 2018	2,318.4	-	2,318.4	20,310.4	-	20,310.4
September 2017	2,347.2	-	2,347.2	19,261.4	-	19,261.4
Georgia						
September 2018	1,469.3	-	1,469.3	13,656.9	-	13,656.9
August 2018	1,522.9	-	1,522.9	14,241.6	-	14,241.6
September 2017	1,507.7	-	1,507.7	13,733.1	-	13,733.1
North Carolina						
September 2018	1,260.4	-	1,260.4	11,983.9	-	11,983.9
August 2018	1,253.8	-	1,253.8	12,753.5	-	12,753.5
September 2017	1,230.4	-	1,230.4	12,233.0	-	12,233.0
South Carolina						
September 2018	646.4	-	646.4	7,011.9	-	7,011.9
August 2018	681.3	-	681.3	7,764.7	-	7,764.7
September 2017	614.6	-	614.6	7,080.9	-	7,080.9
Virginia						
September 2018	312.8	752.2	1,065.1	4,143.6	4,928.6	9,072.2
August 2018	342.2	752.6	1,094.8	4,541.3	5,040.3	9,581.6
September 2017	322.3	789.6	1,111.9	4,150.3	5,343.4	9,493.7
West Virginia						
September 2018	94.3	-	94.3	1,969.0	-	1,969.0
August 2018	119.6	-	119.6	2,150.9	-	2,150.9
September 2017	100.1	-	100.1	2,040.1	-	2,040.1
PAD District 2						
September 2018	6,206.0	1,507.1	7,713.1	85,543.5	14,920.9	100,464.4
August 2018	6,926.0	1,539.9	8,465.9	91,482.6	15,370.2	106,852.8
September 2017	6,410.1	1,536.1	7,946.2	87,191.9	14,767.0	101,958.9
Illinois						
September 2018	240.9	940.1	1,181.0	4,781.6	8,101.6	12,883.2
August 2018	257.6	938.3	1,195.9	4,884.6	8,276.9	13,161.5
September 2017	233.8	966.2	1,200.0	4,652.3	8,091.7	12,744.0
Indiana						
September 2018	427.5	100.2	527.7	7,150.6	1,139.2	8,289.7
August 2018	455.9	117.4	573.3	7,560.8	1,240.0	8,800.8
September 2017	472.7	108.9	581.6	7,537.7	1,122.5	8,660.2
Iowa						
September 2018	312.3	-	312.3	2,918.3	-	2,918.3
August 2018	396.0	-	396.0	3,339.3	-	3,339.3
September 2017	324.2	-	324.2	3,173.0	-	3,173.0
Kansas						
September 2018	328.0	-	328.0	4,396.6	-	4,396.6
August 2018	340.6	-	340.6	4,629.6	-	4,629.6
September 2017	315.3	-	315.3	4,394.9	-	4,394.9
Kentucky						
September 2018	247.7	75.7	323.4	4,565.8	919.8	5,485.6
August 2018	264.9	84.4	349.3	4,773.4	996.2	5,769.6
September 2017	236.4	88.9	325.2	4,488.4	1,083.8	5,572.2
Michigan						
September 2018	748.5	-	748.5	12,783.8	-	12,783.8
August 2018	861.0	-	861.0	13,660.5	-	13,660.5
September 2017	765.4	-	765.4	12,738.7	-	12,738.7
Minnesota						
September 2018	535.8	-	535.8	6,120.7	-	6,120.7
August 2018	612.9	-	612.9	6,639.8	-	6,639.8
September 2017	564.2	-	564.2	6,425.2	-	6,425.2
Missouri						
September 2018	367.1	220.8	587.8	5,083.3	2,724.6	7,807.9
August 2018	413.9	216.7	630.6	5,647.9	2,675.9	8,323.8
September 2017	380.6	193.9	574.5	5,590.8	2,368.3	7,959.0

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 2018	1,971.7	-	1,971.7	37.9	-	37.9
August 2018	2,171.2	-	2,171.2	41.4	-	41.4
September 2017	1,928.7	-	1,928.7	43.1	-	43.1
North Dakota						
September 2018	923.0	-	923.0	24.0	-	24.0
August 2018	1,037.4	-	1,037.4	25.6	-	25.6
September 2017	893.7	-	893.7	29.1	-	29.1
Ohio						
September 2018	12,140.3	-	12,140.3	151.3	-	151.3
August 2018	12,854.3	-	12,854.3	168.5	-	168.5
September 2017	12,168.2	-	12,168.2	169.8	-	169.8
Oklahoma						
September 2018	4,978.1	-	4,978.1	63.9	-	63.9
August 2018	5,339.5	-	5,339.5	66.5	-	66.5
September 2017	5,254.4	-	5,254.4	66.5	-	66.5
South Dakota						
September 2018	1,083.6	-	1,083.6	24.5	-	24.5
August 2018	1,285.9	-	1,285.9	25.9	-	25.9
September 2017	1,083.7	-	1,083.7	29.4	-	29.4
Tennessee						
September 2018	8,520.5	-	8,520.5	164.2	-	164.2
August 2018	8,913.4	-	8,913.4	180.6	-	180.6
September 2017	8,651.1	-	8,651.1	189.0	-	189.0
Wisconsin						
September 2018	4,620.4	1,847.7	6,468.1	41.3	17.7	59.1
August 2018	4,859.0	1,979.0	6,838.0	54.0	19.1	73.1
September 2017	4,508.2	1,900.0	6,408.2	58.5	22.4	81.0
PAD District 3						
September 2018	45,003.4	15,725.8	60,729.2	536.0	268.4	804.4
August 2018	46,856.8	16,470.0	63,326.8	584.3	283.8	868.1
September 2017	47,815.1	14,853.4	62,668.5	672.7	272.4	945.1
Alabama						
September 2018	6,251.5	-	6,251.5	82.1	-	82.1
August 2018	6,745.2	-	6,745.2	103.0	-	103.0
September 2017	6,111.8	-	6,111.8	92.4	-	92.4
Arkansas						
September 2018	3,435.9	-	3,435.9	40.5	-	40.5
August 2018	3,698.3	-	3,698.3	42.0	-	42.0
September 2017	3,643.3	-	3,643.3	45.2	-	45.2
Louisiana						
September 2018	6,988.8	-	6,988.8	49.2	-	49.2
August 2018	6,945.7	-	6,945.7	54.5	-	54.5
September 2017	7,150.3	-	7,150.3	55.6	-	55.6
Mississippi						
September 2018	4,301.2	-	4,301.2	52.7	-	52.7
August 2018	4,509.3	-	4,509.3	54.5	-	54.5
September 2017	4,769.1	-	4,769.1	52.9	-	52.9
New Mexico						
September 2018	2,425.9	-	2,425.9	79.9	-	79.9
August 2018	2,574.1	-	2,574.1	83.8	-	83.8
September 2017	2,289.6	-	2,289.6	88.7	-	88.7
Texas						
September 2018	21,600.1	15,725.8	37,325.9	231.5	268.4	499.9
August 2018	22,384.3	16,470.0	38,854.2	246.5	283.8	530.3
September 2017	23,851.1	14,853.4	38,704.5	337.9	272.4	610.3

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 2018	227.1	-	227.1	2,236.7	-	2,236.7
August 2018	248.8	-	248.8	2,461.4	-	2,461.4
September 2017	221.9	-	221.9	2,193.7	-	2,193.7
North Dakota						
September 2018	91.9	-	91.9	1,038.9	-	1,038.9
August 2018	111.2	-	111.2	1,174.1	-	1,174.1
September 2017	89.9	-	89.9	1,012.6	-	1,012.6
Ohio						
September 2018	848.2	-	848.2	13,139.9	-	13,139.9
August 2018	921.0	-	921.0	13,943.8	-	13,943.8
September 2017	857.5	-	857.5	13,195.4	-	13,195.4
Oklahoma						
September 2018	470.7	-	470.7	5,512.7	-	5,512.7
August 2018	495.6	-	495.6	5,901.6	-	5,901.6
September 2017	502.7	-	502.7	5,823.7	-	5,823.7
South Dakota						
September 2018	109.1	-	109.1	1,217.2	-	1,217.2
August 2018	166.2	-	166.2	1,478.0	-	1,478.0
September 2017	110.2	-	110.2	1,223.3	-	1,223.3
Tennessee						
September 2018	830.3	-	830.3	9,515.0	-	9,515.0
August 2018	894.0	-	894.0	9,988.0	-	9,988.0
September 2017	936.5	-	936.5	9,776.6	-	9,776.6
Wisconsin						
September 2018	420.9	170.3	591.2	5,082.6	2,035.8	7,118.4
August 2018	486.6	183.1	669.8	5,399.6	2,181.3	7,580.9
September 2017	398.9	178.3	577.2	4,965.6	2,100.7	7,066.3
PAD District 3						
September 2018	3,613.1	2,107.8	5,720.8	49,152.4	18,102.0	67,254.4
August 2018	3,932.5	2,138.8	6,071.3	51,373.6	18,892.5	70,266.2
September 2017	3,727.9	2,114.8	5,842.7	52,215.8	17,240.6	69,456.4
Alabama						
September 2018	529.3	-	529.3	6,862.9	-	6,862.9
August 2018	573.8	-	573.8	7,422.1	-	7,422.1
September 2017	534.3	-	534.3	6,738.6	-	6,738.6
Arkansas						
September 2018	285.3	-	285.3	3,761.7	-	3,761.7
August 2018	300.3	-	300.3	4,040.6	-	4,040.6
September 2017	289.6	-	289.6	3,978.0	-	3,978.0
Louisiana						
September 2018	516.2	-	516.2	7,554.2	-	7,554.2
August 2018	546.6	-	546.6	7,546.8	-	7,546.8
September 2017	527.6	-	527.6	7,733.6	-	7,733.6
Mississippi						
September 2018	274.8	-	274.8	4,628.8	-	4,628.8
August 2018	289.6	-	289.6	4,853.4	-	4,853.4
September 2017	285.5	-	285.5	5,107.5	-	5,107.5
New Mexico						
September 2018	302.1	-	302.1	2,807.9	-	2,807.9
August 2018	334.1	-	334.1	2,991.9	-	2,991.9
September 2017	291.4	-	291.4	2,669.6	-	2,669.6
Texas						
September 2018	1,705.4	2,107.8	3,813.2	23,537.0	18,102.0	41,638.9
August 2018	1,888.0	2,138.8	4,026.8	24,518.8	18,892.5	43,411.4
September 2017	1,799.5	2,114.8	3,914.4	25,988.5	17,240.6	43,229.2

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	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
September 2018	12,777.5	-	12,777.5	299.5	-	299.5
August 2018	13,548.5	-	13,548.5	319.2	-	319.2
September 2017	12,634.2	-	12,634.2	310.6	-	310.6
Colorado						
September 2018	5,328.4	-	5,328.4	121.9	-	121.9
August 2018	5,696.1	-	5,696.1	132.1	-	132.1
September 2017	5,395.3	-	5,395.3	133.6	-	133.6
Idaho						
September 2018	1,789.6	-	1,789.6	23.2	-	23.2
August 2018	1,827.7	-	1,827.7	24.4	-	24.4
September 2017	1,783.3	-	1,783.3	22.8	-	22.8
Montana						
September 2018	1,792.3	-	1,792.3	72.9	-	72.9
August 2018	2,034.9	-	2,034.9	79.5	-	79.5
September 2017	1,710.6	-	1,710.6	69.5	-	69.5
Utah						
September 2018	2,964.9	-	2,964.9	66.7	-	66.7
August 2018	3,031.3	-	3,031.3	63.0	-	63.0
September 2017	2,942.3	-	2,942.3	61.6	-	61.6
Wyoming						
September 2018	902.2	-	902.2	14.8	-	14.8
August 2018	958.5	-	958.5	20.1	-	20.1
September 2017	802.7	-	802.7	23.1	-	23.1
PAD District 5						
September 2018	16,949.1	34,777.3	51,726.4	332.6	970.4	1,303.0
August 2018	18,036.1	35,966.4	54,002.5	357.3	1,005.2	1,362.5
September 2017	17,113.7	35,177.5	52,291.2	362.3	1,039.9	1,402.2
Alaska						
September 2018	614.9	-	614.9	W	-	W
August 2018	714.7	-	714.7	W	-	W
September 2017	644.2	-	644.2	W	-	W
Arizona						
September 2018	2,702.3	4,297.3	6,999.6	W	W	129.7
August 2018	W	W	7,257.5	W	W	135.5
September 2017	W	W	7,071.1	W	W	137.2
California						
September 2018	-	30,480.0	30,480.0	-	W	892.5
August 2018	-	31,509.2	31,509.2	-	W	924.2
September 2017	-	30,715.1	30,715.1	-	W	953.9
Hawaii						
September 2018	952.4	-	952.4	W	-	W
August 2018	977.4	-	977.4	W	-	W
September 2017	1,065.6	-	1,065.6	W	-	W
Nevada						
September 2018	2,568.2	-	2,568.2	78.6	-	78.6
August 2018	W	W	2,720.6	83.8	-	83.8
September 2017	W	W	2,544.7	93.0	-	93.0
Oregon						
September 2018	3,715.3	-	3,715.3	27.9	-	27.9
August 2018	3,954.4	-	3,954.4	30.0	-	30.0
September 2017	3,850.7	-	3,850.7	33.3	-	33.3
Washington						
September 2018	6,396.0	-	6,396.0	85.8	-	85.8
August 2018	6,868.7	-	6,868.7	96.6	-	96.6
September 2017	6,399.7	-	6,399.7	96.4	-	96.4

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 2018	2,655.5	-	2,655.5	15,732.4	-	15,732.4
August 2018	2,909.3	-	2,909.3	16,777.0	-	16,777.0
September 2017	2,639.1	-	2,639.1	15,583.9	-	15,583.9
Colorado						
September 2018	1,123.0	-	1,123.0	6,573.3	-	6,573.3
August 2018	1,218.2	-	1,218.2	7,046.4	-	7,046.4
September 2017	1,113.8	-	1,113.8	6,642.7	-	6,642.7
Idaho						
September 2018	288.5	-	288.5	2,101.3	-	2,101.3
August 2018	311.9	-	311.9	2,164.0	-	2,164.0
September 2017	280.1	-	280.1	2,086.2	-	2,086.2
Montana						
September 2018	301.2	-	301.2	2,166.4	-	2,166.4
August 2018	381.8	-	381.8	2,496.3	-	2,496.3
September 2017	308.2	-	308.2	2,088.3	-	2,088.3
Utah						
September 2018	771.4	-	771.4	3,803.0	-	3,803.0
August 2018	800.7	-	800.7	3,895.0	-	3,895.0
September 2017	779.1	-	779.1	3,782.9	-	3,782.9
Wyoming						
September 2018	171.4	-	171.4	1,088.5	-	1,088.5
August 2018	196.7	-	196.7	1,175.3	-	1,175.3
September 2017	157.9	-	157.9	983.8	-	983.8
PAD District 5						
September 2018	3,007.5	8,993.3	12,000.7	20,289.1	44,741.0	65,030.1
August 2018	3,206.4	9,189.1	12,395.5	21,599.9	46,160.7	67,760.5
September 2017	3,032.2	9,184.2	12,216.4	20,508.2	45,401.6	65,909.8
Alaska						
September 2018	W	-	W	697.8	-	697.8
August 2018	W	-	W	800.9	-	800.9
September 2017	W	-	W	730.6	-	730.6
Arizona						
September 2018	W	W	926.6	3,140.2	4,915.6	8,055.8
August 2018	W	W	951.7	W	W	8,344.7
September 2017	W	W	960.2	W	W	8,168.4
California						
September 2018	-	W	8,452.9	-	39,825.4	39,825.4
August 2018	-	W	8,637.0	-	41,070.5	41,070.5
September 2017	-	W	8,543.6	-	40,212.6	40,212.6
Hawaii						
September 2018	W	-	W	1,255.4	-	1,255.4
August 2018	W	-	W	1,297.7	-	1,297.7
September 2017	W	-	W	1,428.0	-	1,428.0
Nevada						
September 2018	613.7	-	613.7	3,260.5	-	3,260.5
August 2018	W	W	645.8	W	W	3,450.3
September 2017	633.9	-	633.9	W	W	3,271.6
Oregon						
September 2018	487.9	-	487.9	4,231.1	-	4,231.1
August 2018	520.0	-	520.0	4,504.4	-	4,504.4
September 2017	491.9	-	491.9	4,375.9	-	4,375.9
Washington						
September 2018	1,222.3	-	1,222.3	7,704.1	-	7,704.1
August 2018	1,326.8	-	1,326.8	8,292.1	-	8,292.1
September 2017	1,226.5	-	1,226.5	7,722.6	-	7,722.6

- = 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 2017 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		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
United States							
September 2018	455.0	67,892.2	W	25,697.4	1,263.5	10,282.4	11,545.9
August 2018	529.1	69,132.5	W	25,829.5	1,385.0	10,878.0	12,263.0
September 2017	498.8	68,026.3	88.9	29,185.6	1,652.3	11,332.5	12,984.8
PAD District 1							
September 2018	136.9	15,327.3	W	5,561.5	210.5	3,508.8	3,719.3
August 2018	164.9	15,492.8	W	4,561.9	375.4	4,295.2	4,670.5
September 2017	136.9	16,162.9	74.7	6,411.1	410.7	4,013.3	4,424.0
Subdistrict 1A							
September 2018	20.5	1,498.6	W	864.3	W	W	26.6
August 2018	24.4	1,680.5	W	711.9	W	W	36.9
September 2017	18.3	1,582.5	W	1,166.0	W	W	29.5
Connecticut							
September 2018	2.4	196.0	-	104.8	-	-	-
August 2018	2.5	252.6	-	79.3	-	-	-
September 2017	2.6	171.9	-	135.6	W	-	W
Maine							
September 2018	3.2	124.6	-	261.2	W	W	6.9
August 2018	W	150.1	-	178.3	W	W	6.9
September 2017	3.0	104.9	-	280.7	W	W	4.0
Massachusetts							
September 2018	9.1	1,022.1	W	142.9	W	W	9.3
August 2018	10.9	1,114.2	W	121.2	W	W	20.8
September 2017	7.6	1,126.4	W	246.9	W	W	W
New Hampshire							
September 2018	3.1	47.8	-	180.7	W	-	W
August 2018	3.2	52.5	-	143.1	W	-	W
September 2017	2.7	69.8	W	305.8	W	W	W
Rhode Island							
September 2018	W	77.9	-	16.9	W	-	W
August 2018	1.8	79.9	-	14.6	-	-	-
September 2017	W	82.1	W	27.0	-	-	-
Vermont							
September 2018	W	30.2	-	157.8	W	W	W
August 2018	W	31.2	W	175.4	W	-	W
September 2017	W	27.5	W	170.0	W	W	W
Subdistrict 1B							
September 2018	27.6	9,547.1	W	2,097.9	W	W	2,640.5
August 2018	36.5	9,564.2	W	1,431.7	W	W	3,606.0
September 2017	30.5	10,033.2	W	2,085.2	W	W	3,223.7
Delaware							
September 2018	1.3	11.3	-	126.1	-	-	-
August 2018	1.6	13.4	-	84.5	-	-	-
September 2017	0.9	W	-	W	W	-	W
District of Columbia							
September 2018	-	-	-	-	-	-	-
August 2018	-	-	-	-	-	-	-
September 2017	-	W	-	W	-	-	-
Maryland							
September 2018	3.4	191.6	-	219.6	-	W	W
August 2018	6.0	235.2	-	146.4	-	W	W
September 2017	5.5	172.2	-	218.9	-	W	W
New Jersey							
September 2018	5.6	3,481.5	-	115.5	W	W	1,946.9
August 2018	7.3	3,259.8	W	104.9	344.9	2,142.6	2,487.5
September 2017	5.6	3,980.3	-	170.2	32.7	1,861.9	1,894.6
New York							
September 2018	8.9	3,544.0	W	624.6	W	W	609.9
August 2018	13.7	3,752.4	W	462.0	W	W	1,096.4
September 2017	10.0	3,777.6	W	791.3	W	W	817.4
Pennsylvania							
September 2018	8.4	2,318.6	-	1,012.2	W	W	W
August 2018	7.9	2,303.5	-	633.9	W	W	W
September 2017	8.5	2,089.3	-	795.6	W	W	W

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		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
Subdistrict 1C							
September 2018	88.8	4,281.7	-	2,599.2	-	1,052.1	1,052.1
August 2018	104.1	4,248.1	-	2,418.3	-	1,027.6	1,027.6
September 2017	88.1	4,547.2	-	3,159.9	-	1,170.8	1,170.8
Florida							
September 2018	50.8	2,102.4	-	502.7	-	780.1	780.1
August 2018	53.6	2,123.0	-	536.4	-	621.7	621.7
September 2017	48.3	2,445.5	-	658.4	-	710.4	710.4
Georgia							
September 2018	13.4	439.4	-	404.9	-	W	W
August 2018	17.3	316.5	-	424.1	-	176.0	176.0
September 2017	13.5	481.6	-	526.1	-	W	W
North Carolina							
September 2018	10.0	405.9	-	762.2	-	W	W
August 2018	12.4	341.3	-	629.0	-	W	W
September 2017	12.3	275.6	-	1,043.8	-	11.5	11.5
South Carolina							
September 2018	W	237.4	-	350.3	-	W	W
August 2018	7.3	247.2	-	321.9	-	W	W
September 2017	5.8	224.8	-	389.4	-	W	W
Virginia							
September 2018	8.2	1,075.4	-	436.9	-	-	-
August 2018	11.9	1,194.8	-	377.8	-	-	-
September 2017	7.6	1,098.7	-	434.2	-	W	W
West Virginia							
September 2018	W	21.1	-	142.2	-	W	W
August 2018	1.6	25.3	-	129.1	-	-	-
September 2017	0.7	21.0	-	108.0	-	-	-
PAD District 2							
September 2018	101.4	10,975.7	-	7,716.8	W	149.6	W
August 2018	130.3	11,933.5	-	7,418.4	-	W	W
September 2017	108.0	11,051.1	W	7,750.8	W	115.2	W
Illinois							
September 2018	9.2	3,074.1	-	960.6	-	W	W
August 2018	12.1	3,280.6	-	844.1	-	-	-
September 2017	9.2	2,947.2	-	961.1	-	W	W
Indiana							
September 2018	7.7	1,286.5	-	499.5	-	-	-
August 2018	9.5	1,339.4	-	484.8	-	W	W
September 2017	9.4	1,294.8	-	466.3	-	W	W
Iowa							
September 2018	5.3	91.2	-	788.6	-	-	-
August 2018	5.4	110.8	-	715.2	-	-	-
September 2017	5.3	84.6	-	681.9	-	-	-
Kansas							
September 2018	6.2	121.8	-	494.1	-	-	-
August 2018	7.5	153.5	-	516.9	-	-	-
September 2017	7.0	135.2	-	527.8	-	-	-
Kentucky							
September 2018	3.4	1,475.9	-	343.8	-	-	-
August 2018	4.2	1,394.8	-	294.5	-	-	-
September 2017	3.2	1,325.6	W	396.8	-	W	W
Michigan							
September 2018	11.0	570.3	-	641.6	-	W	W
August 2018	14.6	907.5	-	658.8	-	W	W
September 2017	8.8	644.4	-	770.1	W	W	W
Minnesota							
September 2018	7.4	359.3	-	675.6	-	W	W
August 2018	12.1	437.3	-	639.5	-	W	W
September 2017	9.8	372.3	-	616.4	-	W	W
Missouri							
September 2018	7.4	361.9	-	706.9	-	-	-
August 2018	10.1	389.4	-	610.0	-	-	-
September 2017	8.9	316.2	-	679.4	-	-	-

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		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 2 (cont.)							
Nebraska							
September 2018	3.2	185.7	-	273.3	-	-	-
August 2018	5.6	202.3	-	204.7	-	-	-
September 2017	4.3	136.9	-	284.2	-	-	-
North Dakota							
September 2018	5.2	116.9	-	505.9	-	-	-
August 2018	6.9	110.6	-	525.2	-	-	-
September 2017	4.3	65.5	-	434.1	-	-	-
Ohio							
September 2018	9.3	945.0	-	607.5	W	W	W
August 2018	11.4	1,045.1	-	605.5	-	-	-
September 2017	13.5	1,057.9	-	561.8	W	-	W
Oklahoma							
September 2018	6.6	815.3	-	228.2	-	-	-
August 2018	8.7	848.0	-	237.9	-	-	-
September 2017	7.1	1,105.3	-	210.9	-	-	-
South Dakota							
September 2018	3.9	50.1	-	199.5	-	W	W
August 2018	3.3	59.5	-	191.7	-	W	W
September 2017	2.0	47.4	-	223.0	-	W	W
Tennessee							
September 2018	7.8	1,324.5	-	222.9	-	W	W
August 2018	11.4	1,407.9	-	218.2	-	W	W
September 2017	8.4	1,373.8	-	270.2	-	W	W
Wisconsin							
September 2018	7.8	197.3	-	568.8	-	W	W
August 2018	7.6	246.9	-	671.4	-	W	W
September 2017	6.9	143.9	-	666.8	-	W	W
PAD District 3							
September 2018	62.6	20,024.0	-	9,462.4	184.9	2,866.5	3,051.4
August 2018	73.7	17,909.6	-	10,943.0	155.6	2,781.0	2,936.6
September 2017	79.0	17,246.2	-	11,958.2	317.4	3,532.6	3,850.0
Alabama							
September 2018	7.6	168.5	-	191.1	-	W	W
August 2018	9.0	176.4	-	167.3	-	W	W
September 2017	7.7	207.7	-	243.6	-	W	W
Arkansas							
September 2018	5.0	220.2	-	125.4	-	-	-
August 2018	5.2	229.3	-	116.5	-	-	-
September 2017	5.6	162.3	-	150.7	-	-	-
Louisiana							
September 2018	7.2	3,903.1	-	1,036.9	W	W	726.7
August 2018	7.2	2,748.8	-	857.0	-	599.4	599.4
September 2017	7.6	3,982.7	-	880.7	-	814.4	814.4
Mississippi							
September 2018	3.9	2,547.0	-	198.0	-	W	W
August 2018	5.1	1,480.6	-	258.1	-	W	W
September 2017	4.6	2,857.4	-	188.6	-	W	W
New Mexico							
September 2018	3.3	153.5	-	183.0	-	-	-
August 2018	5.2	140.2	-	151.1	-	-	-
September 2017	2.9	130.5	-	123.7	-	-	-
Texas							
September 2018	35.6	13,031.7	-	7,728.0	W	W	2,222.4
August 2018	42.0	13,134.3	-	9,392.9	W	W	2,225.2
September 2017	50.6	9,905.6	-	10,371.0	W	W	2,928.2

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		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 4							
September 2018	34.4	2,095.9	-	843.7	-	W	W
August 2018	37.6	2,377.0	-	927.0	-	W	W
September 2017	26.7	2,579.2	W	936.6	-	W	W
Colorado							
September 2018	12.9	1,062.5	-	254.7	-	-	-
August 2018	12.2	1,121.5	-	255.3	-	-	-
September 2017	10.5	1,522.9	-	284.7	-	-	-
Idaho							
September 2018	5.4	142.6	-	108.3	-	-	-
August 2018	8.0	182.5	-	111.6	-	-	-
September 2017	5.0	100.9	-	100.7	-	-	-
Montana							
September 2018	6.3	136.7	-	219.4	-	-	-
August 2018	8.0	225.0	-	240.8	-	-	-
September 2017	W	139.1	-	232.0	-	-	-
Utah							
September 2018	6.2	702.7	-	92.8	-	-	-
August 2018	W	775.2	-	112.4	-	-	-
September 2017	5.7	724.9	W	102.1	-	-	-
Wyoming							
September 2018	3.7	51.4	-	168.4	-	W	W
August 2018	W	72.9	-	206.9	-	W	W
September 2017	W	91.4	-	217.2	-	W	W
PAD District 5							
September 2018	119.7	19,469.3	-	2,113.0	W	W	4,620.6
August 2018	122.5	21,419.5	-	1,979.3	854.0	3,624.6	4,478.6
September 2017	148.2	20,986.9	-	2,128.9	W	W	4,588.9
Alaska							
September 2018	W	1,781.1	-	W	-	-	-
August 2018	W	1,894.6	-	W	-	-	-
September 2017	W	1,877.4	-	W	-	-	-
Arizona							
September 2018	19.0	415.2	-	228.4	-	-	-
August 2018	22.8	432.7	-	230.2	-	-	-
September 2017	15.3	343.0	-	166.8	-	-	-
California							
September 2018	56.4	12,415.6	-	1,019.6	W	W	2,020.5
August 2018	57.4	13,393.1	-	951.8	W	W	1,907.0
September 2017	103.0	13,710.3	-	1,103.3	W	W	1,982.6
Hawaii							
September 2018	W	1,371.1	-	W	W	W	1,090.0
August 2018	W	1,744.8	-	W	W	W	1,008.5
September 2017	W	1,300.9	-	W	W	W	1,399.9
Nevada							
September 2018	6.0	707.5	-	69.3	-	-	-
August 2018	5.3	658.1	-	73.9	-	-	-
September 2017	6.2	584.6	-	86.8	-	-	-
Oregon							
September 2018	17.3	616.3	-	151.6	-	-	-
August 2018	16.4	760.4	-	121.3	-	-	-
September 2017	9.6	532.6	-	145.0	-	-	-
Washington							
September 2018	16.6	2,162.4	-	592.0	-	1,510.1	1,510.1
August 2018	15.2	2,535.9	-	558.4	-	1,563.1	1,563.1
September 2017	10.1	2,638.2	-	575.7	-	1,206.4	1,206.4

- = 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 2017 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	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
United States								
September 2018	859.2	W	4,154.9	165,626.3	115.5	1,642.2	171,538.9	172,975.6
August 2018	821.1	W	2,854.5	174,410.6	119.1	1,418.3	178,802.5	179,945.7
September 2017	862.7	436.2	3,836.0	163,815.0	77.9	1,578.2	169,307.1	170,694.9
PAD District 1								
September 2018	W	71.3	3,802.9	38,640.2	-	327.1	42,770.2	43,012.6
August 2018	W	20.3	2,570.3	40,661.9	-	254.9	43,487.1	43,639.5
September 2017	120.2	15.2	3,744.2	38,812.0	-	185.4	42,741.6	42,951.6
Subdistrict 1A								
September 2018	49.5	W	1,700.1	W	-	W	5,129.0	5,192.8
August 2018	W	W	1,032.3	W	-	W	4,663.1	4,680.2
September 2017	46.2	W	1,604.0	W	-	W	5,061.7	5,118.6
Connecticut								
September 2018	W	W	354.4	668.9	-	-	1,023.3	1,031.1
August 2018	W	W	250.6	719.2	-	-	969.9	970.4
September 2017	W	W	292.1	667.1	-	-	959.1	964.1
Maine								
September 2018	W	W	406.3	W	-	W	1,124.5	1,162.8
August 2018	W	W	222.0	W	-	W	980.0	991.1
September 2017	W	W	368.8	W	-	W	1,044.8	1,079.4
Massachusetts								
September 2018	W	W	432.3	W	-	W	1,599.2	1,602.4
August 2018	W	W	258.2	W	-	W	1,471.9	1,473.5
September 2017	W	W	489.1	W	-	W	1,684.2	1,688.5
New Hampshire								
September 2018	W	W	194.2	340.9	-	-	535.2	547.5
August 2018	W	W	119.8	357.5	-	-	477.4	479.7
September 2017	6.8	W	209.1	350.0	-	-	559.1	568.2
Rhode Island								
September 2018	W	W	196.0	W	-	W	551.2	551.4
August 2018	W	W	120.8	403.0	-	-	523.8	523.9
September 2017	W	W	133.6	W	-	W	526.2	527.5
Vermont								
September 2018	W	W	116.9	178.7	-	-	295.6	297.6
August 2018	0.6	W	60.8	179.3	-	-	240.1	241.6
September 2017	1.7	W	111.3	177.0	-	-	288.3	290.9
Subdistrict 1B								
September 2018	69.8	W	1,960.8	13,351.0	-	231.8	15,543.6	15,655.9
August 2018	74.6	W	1,507.6	W	-	W	15,480.1	15,590.2
September 2017	54.3	W	2,088.9	13,390.1	-	125.2	15,604.2	15,733.1
Delaware								
September 2018	1.3	-	W	W	-	-	258.4	259.7
August 2018	W	-	7.9	W	-	-	W	385.4
September 2017	W	-	W	W	-	-	W	226.2
District of Columbia								
September 2018	-	-	W	W	-	-	41.6	41.6
August 2018	-	-	W	W	-	-	48.8	48.8
September 2017	-	-	W	W	-	-	42.8	42.8
Maryland								
September 2018	7.7	-	129.3	W	-	W	1,776.1	1,783.7
August 2018	W	-	W	1,784.4	-	W	W	1,917.2
September 2017	5.5	-	60.5	1,709.1	-	-	1,769.6	1,775.1
New Jersey								
September 2018	W	W	447.6	W	-	W	4,053.8	4,053.9
August 2018	W	-	299.1	3,271.9	-	W	W	3,575.0
September 2017	W	-	576.0	3,393.1	-	W	W	4,023.7
New York								
September 2018	37.3	W	836.2	W	-	W	4,123.3	4,203.1
August 2018	55.0	W	616.6	W	-	W	3,997.3	4,087.7
September 2017	28.6	W	832.0	W	-	W	4,100.3	4,203.2
Pennsylvania								
September 2018	W	W	538.1	W	-	W	5,290.5	5,313.8
August 2018	18.1	-	473.0	W	-	W	5,558.0	5,576.1
September 2017	W	W	608.8	W	-	W	5,443.7	5,462.1

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	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
Subdistrict 1C								
September 2018	W	W	141.9	W	-	W	22,097.6	22,163.9
August 2018	16.1	9.0	30.4	W	-	W	23,344.0	23,369.1
September 2017	19.7	4.5	51.3	W	-	W	22,075.7	22,099.9
Florida								
September 2018	W	-	-	5,811.8	-	W	W	5,879.3
August 2018	W	-	-	6,099.6	-	W	W	6,144.5
September 2017	W	-	W	5,665.7	-	W	W	5,702.5
Georgia								
September 2018	W	W	-	W	-	W	4,702.5	4,705.0
August 2018	W	W	-	W	-	W	4,955.3	4,956.3
September 2017	W	W	-	W	-	W	4,641.4	4,642.2
North Carolina								
September 2018	W	-	W	W	-	-	W	3,595.2
August 2018	W	W	W	3,794.7	-	W	3,810.0	3,822.6
September 2017	W	W	W	3,813.0	-	W	3,835.0	3,846.5
South Carolina								
September 2018	1.5	-	W	2,804.8	-	W	2,807.3	2,808.9
August 2018	0.2	-	W	3,067.1	-	W	3,072.5	3,072.8
September 2017	0.5	-	-	W	-	W	2,822.1	2,822.6
Virginia								
September 2018	W	W	95.3	W	-	W	3,855.2	3,905.9
August 2018	W	W	6.5	W	-	W	4,031.9	4,041.6
September 2017	W	W	16.0	3,828.5	-	-	3,844.5	3,852.2
West Virginia								
September 2018	W	W	W	W	-	-	W	1,269.7
August 2018	W	W	7.7	W	-	-	W	1,331.4
September 2017	W	W	6.7	W	-	-	W	1,233.9
PAD District 2								
September 2018	31.2	173.5	33.4	W	-	W	53,776.8	53,981.4
August 2018	20.1	104.5	36.1	W	-	W	55,064.1	55,188.7
September 2017	W	139.9	43.2	W	-	W	51,502.2	51,684.9
Illinois								
September 2018	1.0	4.0	-	6,270.7	-	-	6,270.7	6,275.7
August 2018	1.0	7.9	-	6,010.5	-	-	6,010.5	6,019.3
September 2017	0.6	14.3	-	6,448.0	-	-	6,448.0	6,462.9
Indiana								
September 2018	3.7	3.2	-	W	-	W	4,307.3	4,314.1
August 2018	W	W	-	W	-	W	4,246.5	4,248.9
September 2017	W	W	W	W	-	-	4,269.6	4,273.3
Iowa								
September 2018	1.7	16.2	W	W	-	-	3,002.4	3,020.3
August 2018	0.9	11.5	W	W	-	-	2,882.0	2,894.5
September 2017	0.9	10.0	W	W	-	-	2,799.8	2,810.6
Kansas								
September 2018	W	W	-	3,353.5	-	-	3,353.5	3,365.9
August 2018	W	W	-	3,277.1	-	-	3,277.1	3,284.6
September 2017	W	W	-	2,876.5	-	-	2,876.5	2,889.8
Kentucky								
September 2018	W	W	W	2,679.5	-	W	2,706.2	2,710.3
August 2018	W	W	-	W	-	W	2,906.0	2,908.7
September 2017	W	W	-	2,553.6	-	-	2,553.6	2,568.2
Michigan								
September 2018	W	W	W	3,219.7	-	W	3,252.5	3,265.1
August 2018	W	W	-	W	-	W	3,500.4	3,513.2
September 2017	W	W	W	W	-	W	3,347.1	3,358.0
Minnesota								
September 2018	1.7	27.7	7.6	2,846.9	-	-	2,854.5	2,884.0
August 2018	W	W	W	W	-	-	3,013.4	3,031.4
September 2017	NA	26.2	W	W	-	-	2,868.4	2,899.6
Missouri								
September 2018	W	W	-	3,710.8	-	-	3,710.8	3,714.2
August 2018	W	W	-	3,964.0	-	-	3,964.0	3,967.9
September 2017	W	W	W	W	-	-	3,827.7	3,828.8

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	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
PAD District 2 (cont.)								
Nebraska								
September 2018	W	W	W	W	-	-	2,305.8	2,321.3
August 2018	-	7.1	W	W	-	-	2,466.9	2,474.0
September 2017	-	8.6	W	W	-	-	2,235.9	2,244.5
North Dakota								
September 2018	W	W	W	W	-	-	2,236.0	2,287.7
August 2018	W	W	W	W	-	-	2,568.8	2,582.9
September 2017	W	W	-	1,857.2	-	-	1,857.2	1,889.2
Ohio								
September 2018	W	W	W	W	-	-	5,766.6	5,773.9
August 2018	W	W	W	W	-	-	5,978.7	5,986.6
September 2017	W	W	W	W	-	-	5,695.5	5,705.7
Oklahoma								
September 2018	W	W	W	W	-	-	5,974.6	5,983.4
August 2018	W	W	W	W	-	-	6,042.3	6,049.7
September 2017	W	W	W	W	-	-	4,904.3	4,910.2
South Dakota								
September 2018	W	W	W	W	-	-	1,016.9	1,031.4
August 2018	W	W	W	W	-	-	1,022.0	1,026.5
September 2017	W	W	W	W	-	-	1,016.3	1,025.6
Tennessee								
September 2018	W	W	-	3,952.8	-	-	3,952.8	3,957.2
August 2018	W	W	-	3,985.4	-	-	3,985.4	3,987.5
September 2017	W	W	-	3,584.6	-	-	3,584.6	3,590.0
Wisconsin								
September 2018	2.3	8.4	W	W	-	-	3,066.2	3,076.9
August 2018	3.4	9.4	W	W	-	-	3,200.2	3,213.0
September 2017	3.1	7.6	W	W	-	-	3,217.9	3,228.6
PAD District 3								
September 2018	677.9	1.2	260.0	41,123.8	W	W	41,997.5	42,676.6
August 2018	W	W	208.6	44,752.1	W	W	45,331.5	46,018.3
September 2017	W	W	W	42,121.0	W	512.3	42,674.6	43,370.8
Alabama								
September 2018	W	-	-	2,908.9	W	W	W	2,950.4
August 2018	W	-	-	2,928.2	W	W	W	2,968.1
September 2017	W	-	-	2,741.6	W	W	W	2,768.9
Arkansas								
September 2018	-	-	W	W	-	-	2,159.4	2,159.4
August 2018	-	-	W	W	-	-	2,304.2	2,304.2
September 2017	-	W	W	W	-	-	W	2,306.5
Louisiana								
September 2018	W	-	-	6,672.3	-	W	W	7,449.2
August 2018	W	-	-	6,427.2	-	W	W	7,212.4
September 2017	W	W	-	6,704.4	-	184.1	6,888.5	7,567.8
Mississippi								
September 2018	-	-	-	W	-	W	2,348.8	2,348.8
August 2018	-	W	-	2,381.4	-	W	W	2,387.1
September 2017	-	W	-	W	-	-	W	2,451.4
New Mexico								
September 2018	-	W	-	W	-	-	W	2,132.2
August 2018	-	-	-	2,255.4	-	-	2,255.4	2,255.4
September 2017	-	W	-	W	-	-	W	1,949.8
Texas								
September 2018	W	W	W	W	W	421.1	25,633.3	25,636.5
August 2018	W	W	W	W	W	169.5	28,887.4	28,891.1
September 2017	W	W	W	W	W	W	26,322.9	26,326.4

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	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
PAD District 4								
September 2018	W	W	W	W	-	-	9,522.1	9,562.6
August 2018	-	15.6	W	W	-	-	10,038.4	10,053.9
September 2017	W	51.3	1.4	9,599.0	-	-	9,600.4	9,654.2
Colorado								
September 2018	-	7.4	-	2,461.7	-	-	2,461.7	2,469.0
August 2018	-	4.3	-	2,660.3	-	-	2,660.3	2,664.6
September 2017	-	7.3	-	2,535.7	-	-	2,535.7	2,543.0
Idaho								
September 2018	-	2.9	W	W	-	-	1,495.7	1,498.6
August 2018	-	0.5	W	W	-	-	1,506.5	1,506.9
September 2017	W	W	W	W	-	-	1,365.8	1,369.5
Montana								
September 2018	-	17.9	W	W	-	-	1,846.7	1,864.6
August 2018	-	7.8	-	2,117.0	-	-	2,117.0	2,124.9
September 2017	-	20.4	W	W	-	-	1,777.7	1,798.1
Utah								
September 2018	W	W	W	W	-	-	2,050.8	2,055.8
August 2018	-	0.5	W	W	-	-	2,019.4	2,019.8
September 2017	-	W	W	W	-	-	2,148.3	2,160.7
Wyoming								
September 2018	-	7.3	-	W	-	-	1,667.3	1,674.6
August 2018	-	2.5	-	W	-	-	1,735.2	1,737.7
September 2017	-	9.9	-	W	-	-	1,773.0	1,782.9
PAD District 5								
September 2018	10.2	NA	W	W	W	712.2	23,472.4	23,742.4
August 2018	W	W	W	W	W	813.0	24,881.4	25,045.2
September 2017	W	W	W	W	W	W	22,788.2	23,033.5
Alaska								
September 2018	-	NA	NA	W	-	W	NA	NA
August 2018	-	W	W	W	-	-	W	W
September 2017	-	W	W	W	-	W	380.4	W
Arizona								
September 2018	-	-	-	2,704.0	-	-	2,704.0	2,704.0
August 2018	-	-	-	2,868.2	-	-	2,868.2	2,868.2
September 2017	-	W	-	W	-	-	W	2,678.6
California								
September 2018	W	W	-	W	-	W	12,336.7	12,352.2
August 2018	W	W	-	W	-	W	12,904.3	12,919.5
September 2017	W	W	-	W	-	W	11,762.0	11,779.1
Hawaii								
September 2018	-	-	-	W	W	423.6	876.4	876.4
August 2018	-	-	-	337.2	W	W	W	W
September 2017	-	-	-	302.7	W	422.1	W	W
Nevada								
September 2018	W	W	W	W	-	-	1,472.2	1,475.7
August 2018	-	W	W	1,517.2	-	-	W	1,517.8
September 2017	W	W	W	W	-	-	1,573.4	1,580.3
Oregon								
September 2018	-	W	-	W	-	-	W	2,141.2
August 2018	-	W	-	2,390.4	-	W	W	2,392.0
September 2017	W	W	-	2,161.3	-	-	2,161.3	2,165.7
Washington								
September 2018	-	W	W	W	-	W	W	3,498.9
August 2018	-	W	W	W	-	W	W	3,763.7
September 2017	-	W	W	W	-	W	W	3,463.3

- = 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 2017 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."