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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 free on board (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 at the, U.S. Energy Information Administration (EIA) 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 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, as well as 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 before 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 EIA responded 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

- March monthly average crude oil prices rose in all sales category. The average domestic crude oil first purchase price increased \$4.96 (9.4%) to \$57.47 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil increased \$2.81 (5.2%) to \$56.48 per barrel. The average landed cost of foreign crude oil rose \$2.84 (5.1%) to \$58.24 per barrel.
- The average refiner acquisition cost for domestic crude oil rose \$3.52 (6.1%) to \$61.41 per barrel. The average cost of imported crude oil increased \$4.70 (8.3%) to \$61.20 per barrel. The composite refiner acquisition cost for crude oil climbed \$3.98 (6.9%) to \$61.33 per barrel.

Petroleum products

Motor gasoline

- Monthly average prices for refiner sales of motor gasoline show across-the-board increases. The average retail price rose 18.8 cents to \$2.137 per gallon, while the average wholesale price climbed 25.7 cents to \$1.881 per gallon.
- Sales of finished motor gasoline by refiners rose in March. Total sales increased 6.8 million gallons per day (2.2%) to an average of 322.0 million gallons per day. Retail sales rose 700,000 gallons per day (3.0%), while wholesales increased 6.1 million gallons per day (2.1%). DTW sales accounted for 7.3% of wholesales, while rack and bulk sales explained 87.2% and 5.6%, respectively.

No. 2 distillate

- Monthly average prices for refiner sales of No. 2 distillates increased in March. The average price for No. 2 diesel fuel sold to end users climbed 7.8 cents to \$2.158 per gallon, while the average wholesale price rose 7.0 cents to \$2.020 per gallon. The average retail price for No. 2 fuel oil rose 0.9 cent to \$2.376 per gallon, while the average wholesale price increased 5.1 cents to \$1.958 per gallon.
- Monthly sales of No. 2 ultra-low sulfur diesel by refiners rose 6.0 million gallons per day (3.8%) to 165.2 million gallons per day. Retail sales fell 500,000 gallons per day (4.1%), while wholesales increased 6.5 million gallons per day (4.4%).

Residual Fuel Oil

- March monthly average prices for refiner sales of residual fuel oil rose from February levels. The retail price for residual fuel oil increased 5.5 cents to \$1.623 per gallon, while the wholesale price rose 6.4 cents to \$1.572 per gallon.
- Refiner residual fuel oil sales declined to 8.9 million gallons per day in March. Retail sales fell 100,000 per day (4.3%), while wholesales declined 900,000 gallons per day (11.8%).

Other products

- Refiner prices for the remaining surveyed products show mixed trends in March. Prices for kerosene-type jet fuel and No. 1 distillate rose at both the retail and wholesale levels, while propane prices show the opposite trend. The price for aviation gasoline increased at the wholesale level, while the price for kerosene fell in the same category.
- Refiner sales of propane and No.1 distillate declined at retail and wholesale, while kerosene-type jet fuel sales increased at both levels. Sales of aviation gasoline rose at wholesale, while kerosene sales decreased 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					
	March 2019		February 2019		March 2018		March 2019		February 2019		March 2018	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	2.137	24.3	1.949	23.6	2.160	24.1	1.881	297.7	1.624	291.6	1.889	306.3
Conventional	2.000	15.0	1.798	14.5	2.021	15.0	1.817	202.1	1.552	195.7	1.829	207.3
Regular	1.953	13.3	1.751	12.9	1.973	13.2	1.784	181.6	1.520	175.3	1.795	186.2
Midgrade	2.210	0.8	2.004	0.7	2.233	0.8	1.973	1.2	1.702	1.2	1.990	1.4
Premium	2.472	1.0	2.266	1.0	2.502	1.0	2.118	19.3	1.831	19.2	2.146	19.7
Reformulated	2.359	9.3	2.192	9.0	2.385	9.2	2.016	95.6	1.772	95.9	2.013	99.0
Regular	2.257	6.9	2.086	6.6	2.282	6.8	1.965	79.8	1.718	79.8	1.961	82.8
Midgrade	2.539	0.9	2.380	0.9	2.572	0.9	2.173	0.5	1.956	0.5	2.160	0.7
Premium	2.706	1.6	2.550	1.5	2.738	1.5	2.274	15.3	2.042	15.5	2.283	15.5
Aviation gasoline	W	W	W	W	W	W	2.874	0.4	2.527	0.3	2.904	0.4
Kerosene-type jet fuel	2.005	30.5	1.956	28.9	1.924	31.7	1.960	40.2	1.925	38.2	1.893	38.3
Propane (consumer grade)	0.762	2.3	0.784	3.2	0.842	3.4	0.754	31.7	0.772	40.7	0.827	31.4
Kerosene	W	W	W	W	W	W	2.087	1.0	2.111	1.3	1.969	1.0
No. 1 distillate	2.503	0.1	2.401	0.1	2.566	0.1	2.389	1.5	2.246	3.8	2.209	1.1
No. 2 distillate	2.159	11.8	2.082	12.5	2.078	12.8	2.015	166.4	1.946	162.7	1.946	158.3
No. 2 fuel oil	2.376	0.1	2.367	0.1	2.484	0.1	1.958	11.6	1.907	14.5	1.848	9.5
No. 2 diesel fuel	2.158	11.8	2.080	12.4	2.076	12.7	2.020	154.8	1.950	148.2	1.952	148.8
Ultra low sulfur	2.157	11.7	2.081	12.2	2.090	11.8	2.020	153.5	1.951	147.0	1.955	146.5
Low sulfur	W	W	W	W	W	W	W	W	-	-	1.751	0.6
High sulfur	W	W	W	W	W	W	W	W	1.840	1.2	1.811	1.7
No. 4 fuel[a]	-	-	-	-	-	-	W	W	W	W	W	W
Residential fuel oil	1.623	2.2	1.568	2.3	1.452	3.6	1.572	6.7	1.508	7.6	1.302	7.4
Sulfur content not > 1%	W	W	W	W	W	W	W	W	1.808	1.1	1.227	0.4
Sulfur content > 1%	1.607	W	1.553	W	1.386	W	1.542	W	1.458	6.5	1.306	7.0

NA = Not available.

- = No data reported.

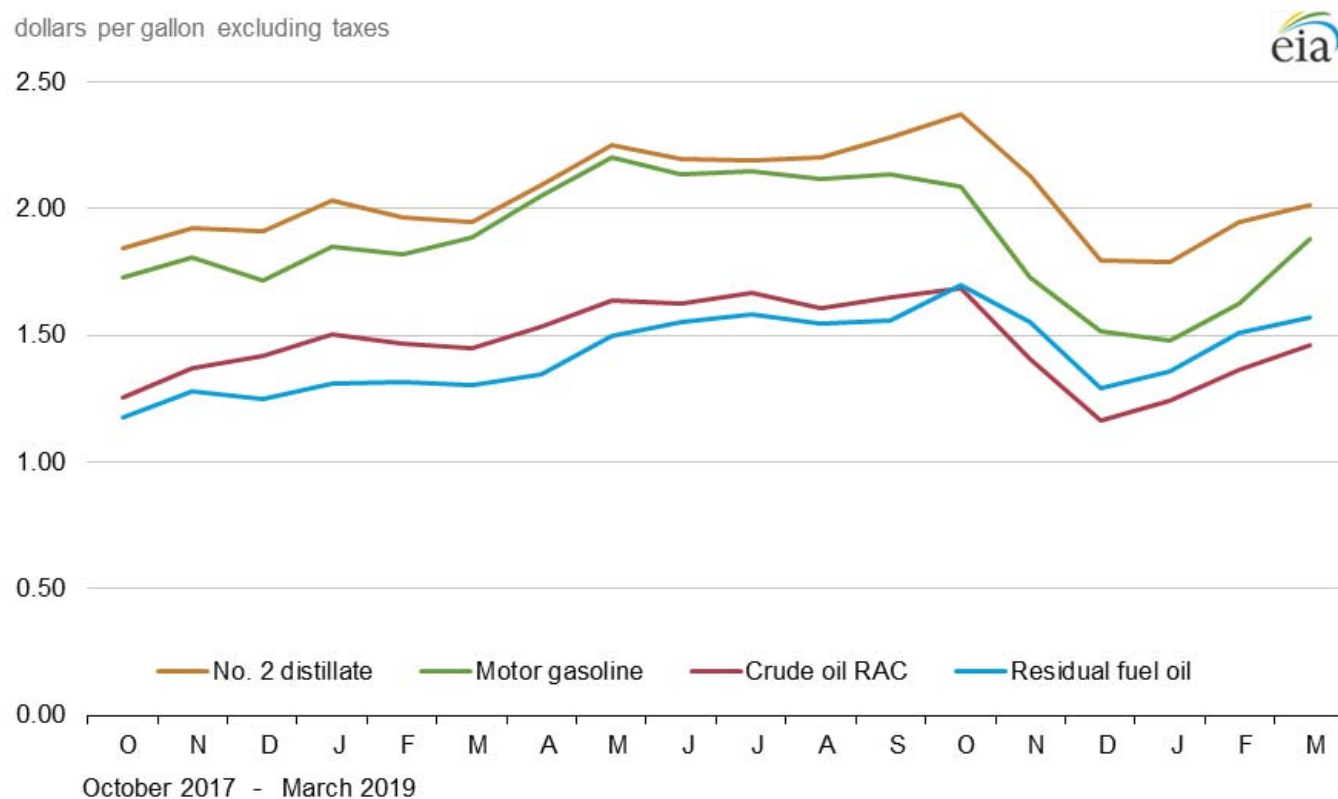
W = Withheld to avoid disclosure of individual company data.

[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 2018 are final. Total volumes may not equal the sum of the components because of 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	R58.25	66.08	R59.71	R63.25
February	R61.18	53.42	R56.76	64.68	R58.03	R61.74
March	60.68	53.35	56.32	64.03	R56.82	R60.81
April	63.50	R58.56	R60.62	67.14	R61.24	R64.41
May	66.16	62.95	65.15	R71.29	R65.89	R68.91
June	62.80	63.09	65.48	R69.63	R66.82	R68.35
July	67.00	62.35	R65.44	R73.33	R66.62	R70.29
August	62.64	R61.41	R64.16	69.45	65.48	67.68
September	R63.54	61.56	63.69	R71.09	R66.70	R69.29
October	65.18	R60.23	R61.78	R73.07	R67.79	R70.99
November	55.65	R44.66	R47.16	62.47	54.40	59.01
December	R47.63	36.91	R39.14	53.25	42.80	48.83
2018 average	R61.40	56.31	R58.89	R67.05	60.95	R64.38
2019						
January	47.85	R48.72	R49.25	53.86	49.57	52.11
February	R52.51	R53.67	R55.40	R57.89	R56.50	R57.35
March	57.47	56.48	58.24	R61.41	R61.20	R61.33
April [c]	NA	NA	NA	E66.52	E65.71	E66.15

NA = Not available.

E = Estimated data.

R = Revised data.

[a] Free on Board. See Glossary.

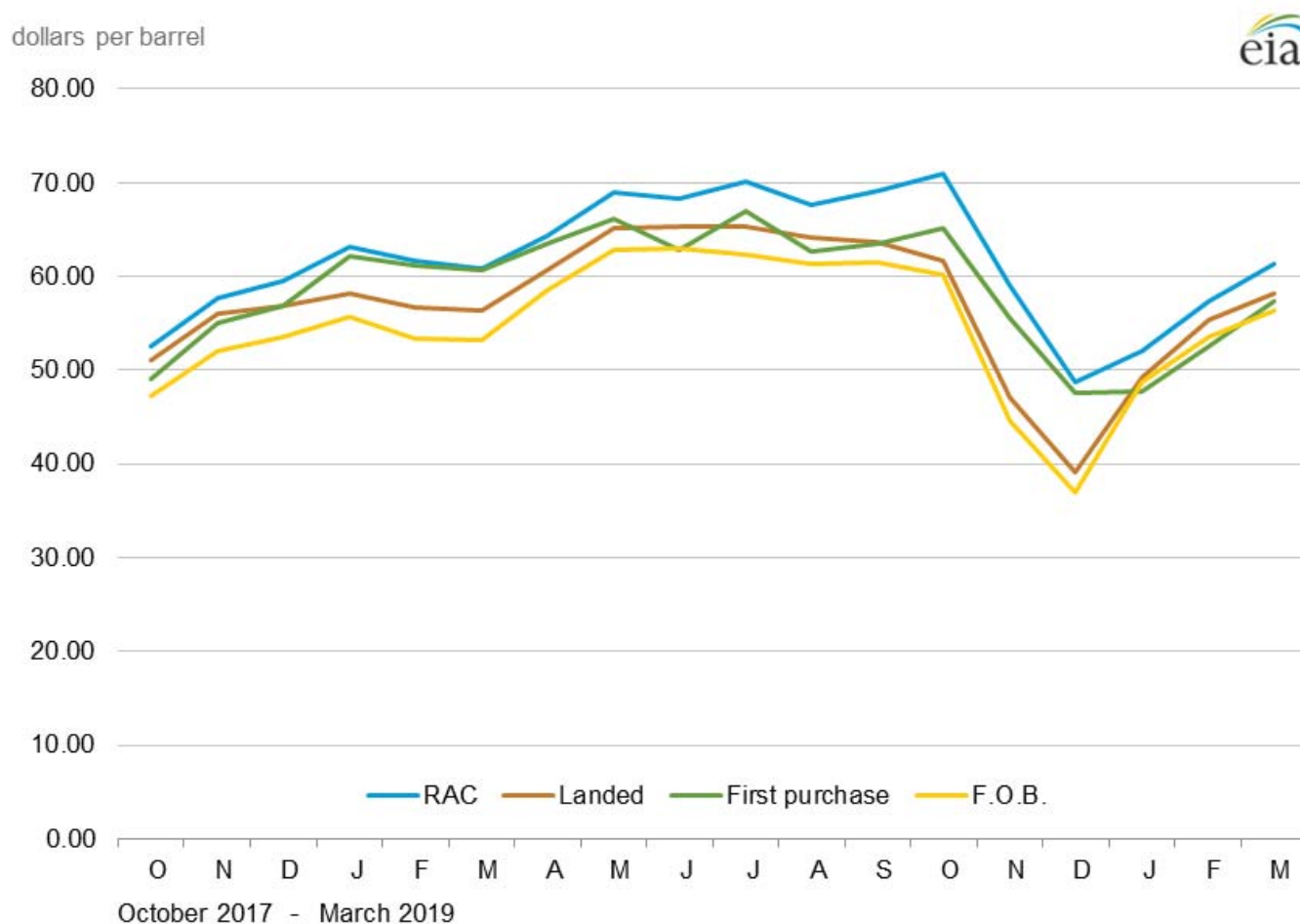
[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

[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 2018, 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 two months, and for average F.O.B. and average landed costs, for the current three months are preliminary. Values shown for previous months may be revised. Data through 2018 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	United States			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	R59.71	R63.25	66.24	65.97	66.01	65.21	51.67	58.61
February	64.68	R58.03	R61.74	66.09	64.96	65.16	63.69	48.42	56.43
March	64.03	R56.82	R60.81	66.71	65.31	65.63	64.24	R47.11	R56.27
April	67.14	R61.24	R64.41	69.95	70.27	70.21	67.21	R50.98	R59.12
May	R71.29	R65.89	R68.91	71.37	72.17	72.00	R71.04	58.27	R64.64
June	R69.63	R66.82	R68.35	71.35	72.91	72.62	68.42	R59.23	R64.08
July	R73.33	R66.62	R70.29	72.72	71.71	71.90	73.40	R60.98	R67.41
August	69.45	65.48	67.68	72.07	72.03	72.04	69.20	58.09	64.13
September	R71.09	R66.70	R69.29	73.74	75.40	74.83	70.14	54.36	63.22
October	R73.07	R67.79	R70.99	75.33	75.36	75.35	71.74	52.76	63.58
November	62.47	54.40	59.01	69.43	69.13	69.18	57.01	38.34	47.16
December	53.25	42.80	48.83	60.15	61.46	61.18	47.52	19.78	33.41
2018	R67.05	60.95	R64.38	69.71	69.63	69.64	65.69	R49.35	R57.85
2019									
January	53.86	49.57	52.11	59.24	59.65	59.58	50.20	38.63	44.40
February	R57.89	R56.50	R57.35	62.66	65.08	64.48	54.36	49.88	52.16
March	R61.41	R61.20	R61.33	66.20	69.27	68.49	60.14	54.74	57.29

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	R65.99	R61.79	R64.45	63.61	47.53	56.04	68.59	R66.20	R67.46
February	64.83	60.66	63.32	60.99	43.15	53.36	66.70	R64.52	R65.59
March	63.43	58.65	61.64	61.80	42.31	53.23	66.74	R64.38	R65.42
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	R68.37	54.97	R63.01	R75.61	R73.53	R74.52
June	69.28	67.69	68.68	65.51	56.58	61.50	R74.61	73.54	R74.02
July	R73.45	67.85	R71.35	R68.41	57.79	R63.60	74.24	70.45	72.15
August	68.89	65.76	67.77	66.53	56.09	61.96	73.81	72.11	72.81
September	R70.43	R70.22	R70.36	R69.26	R47.21	R59.67	R76.05	R74.91	R75.47
October	R72.85	72.38	R72.71	67.91	52.13	59.81	77.82	R76.85	R77.31
November	63.26	60.90	62.54	52.37	34.08	42.36	69.68	66.88	68.31
December	54.32	51.89	53.60	44.09	22.24	33.15	58.83	56.42	57.58
2018	R66.94	R64.10	R65.95	R62.87	R45.87	R55.01	R70.82	68.91	69.81
2019									
January	54.23	52.79	53.85	48.67	37.65	43.36	59.23	58.48	58.84
February	58.05	58.13	58.07	53.64	49.23	51.74	R64.13	R62.21	R63.17
March	60.88	62.46	61.30	56.86	53.58	55.48	67.19	67.86	67.53

R = Revised data.

Notes: United States 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 2018 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

				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	0.738	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	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	2.421	W	2.183	0.989	3.272	W	2.327	2.499	2.327	-	1.764
September	2.428	W	2.257	1.062	3.189	W	2.388	2.612	2.388	-	1.761
October	2.441	W	2.349	0.988	W	2.850	2.500	2.696	2.501	-	1.875
November	2.205	W	2.162	0.876	W	2.719	2.282	2.431	2.284	-	1.827
December	1.973	W	1.852	0.794	W	2.397	1.981	2.222	1.983	-	1.608
2018	2.303	W	2.119	0.925	3.113	2.600	2.256	2.380	2.257	-	1.662
2019											
January	1.854	W	1.827	0.756	W	2.323	1.960	2.195	1.962	-	1.425
February	R1.949	W	1.956	0.784	W	2.401	R2.080	2.367	R2.082	-	1.568
March	2.137	W	2.005	0.762	W	2.503	2.158	2.376	2.159	-	1.623

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

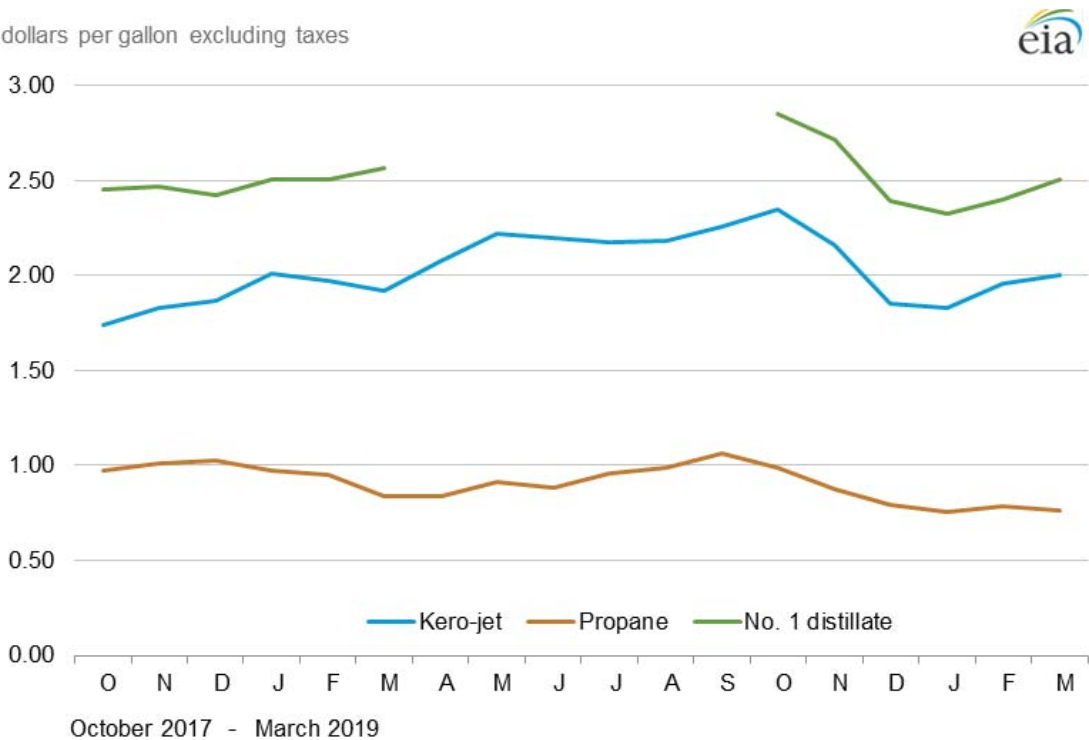
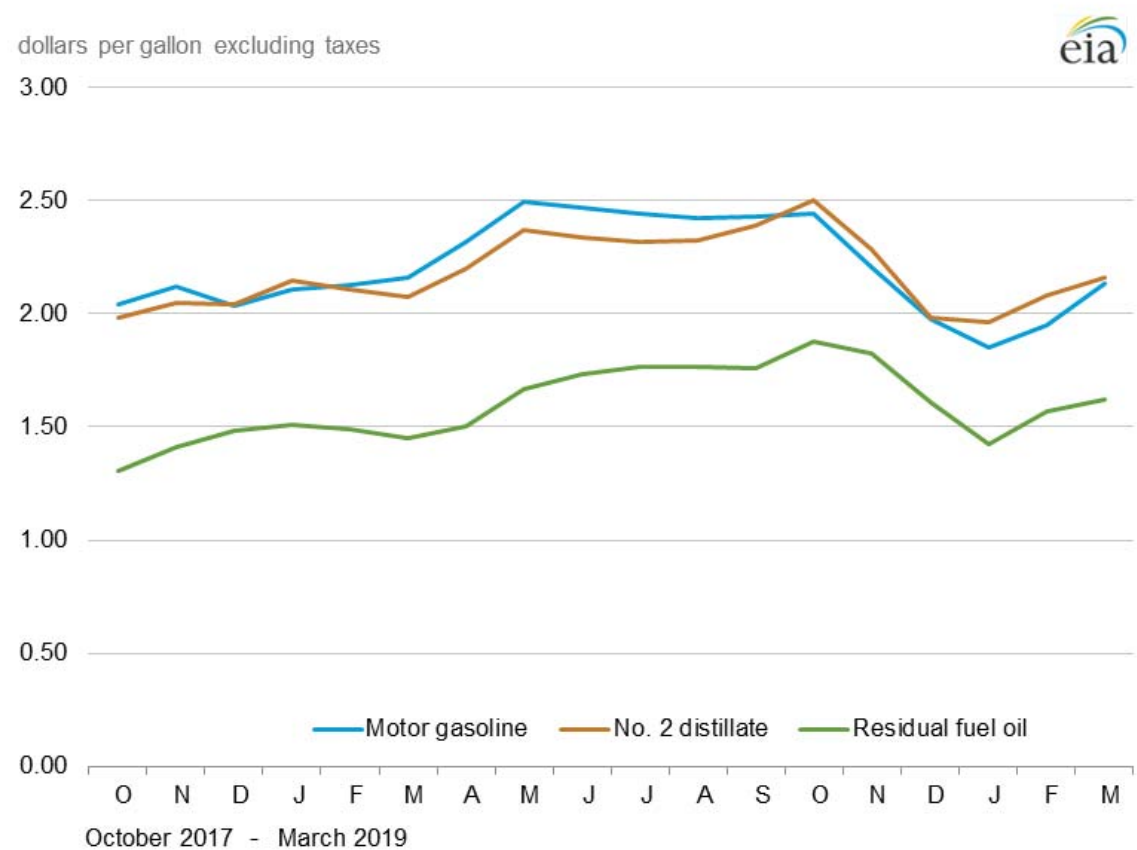
R = Revised data.

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

Notes: Motor gasoline averages and totals before October 1993 include leaded gasoline. Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

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

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



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

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

million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate			Average	No. 4 fuel[a]	Residual fuel oil
							No. 2 diesel fuel	No. 2 fuel oil				
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	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	4.4	0.0	W	13.4	0.0	13.4	-	3.2	
September	24.4	W	32.2	3.7	0.0	W	13.3	0.0	13.3	-	3.6	
October	24.7	W	32.1	4.2	W	0.1	13.3	0.1	13.4	-	3.8	
November	24.6	W	30.9	3.7	W	0.1	13.1	0.2	13.3	-	3.4	
December	24.2	W	32.2	2.9	W	0.1	12.5	0.1	12.6	-	3.5	
2018	24.3	W	31.3	3.6	0.0	0.1	12.6	0.1	12.7	-	3.5	
2019												
January	23.2	W	29.3	3.5	W	0.1	12.5	0.1	12.6	-	2.8	
February	R23.6	W	28.9	3.2	W	0.1	12.4	0.1	12.5	-	2.3	
March	24.3	W	30.5	2.3	W	0.1	11.8	0.1	11.8	-	2.2	

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

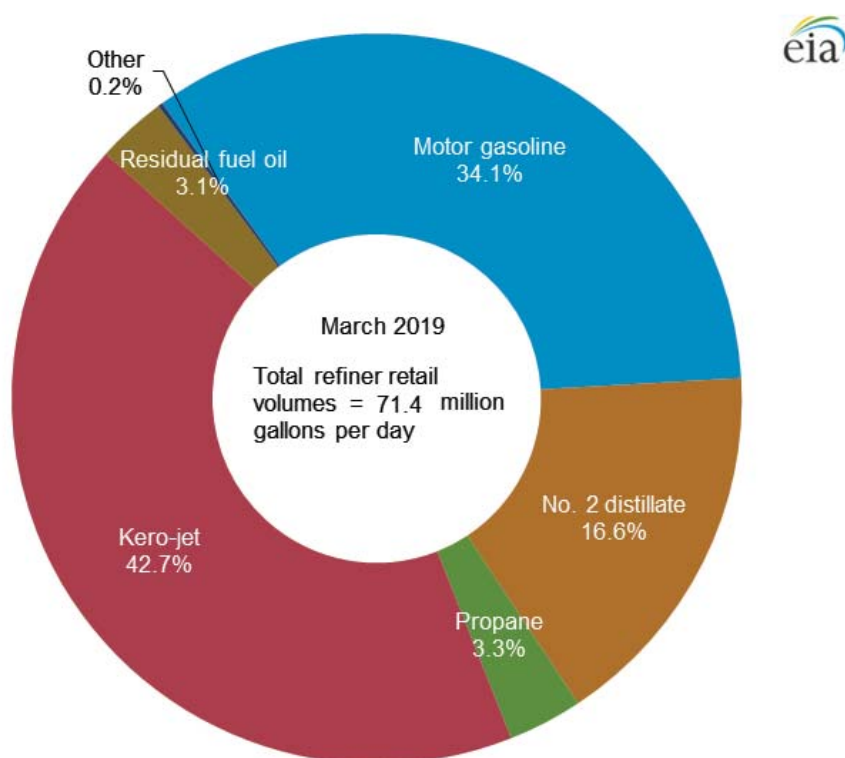
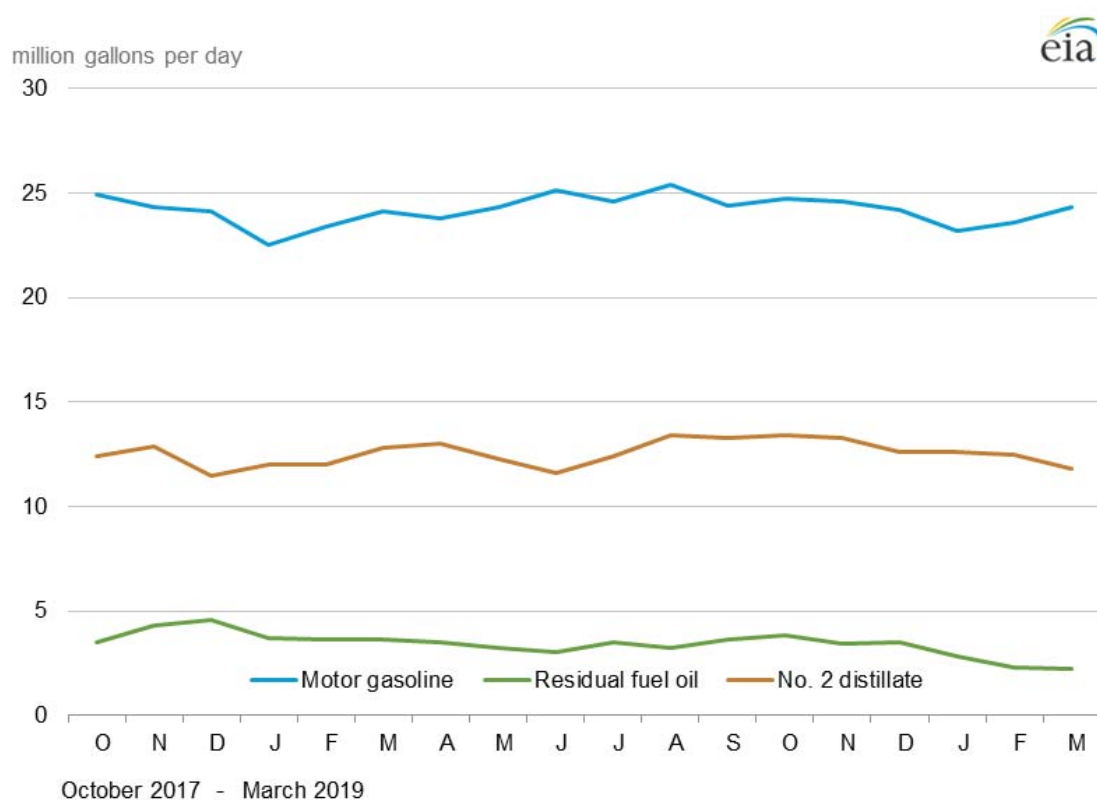
R = Revised data.

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

Notes: Motor gasoline averages and totals before October 1993 include leaded gasoline. Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components because of 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

							No. 2 distillate				
Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	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	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	0.907	2.169	2.485	2.203	2.114	2.201	W	1.549
September	2.136	3.124	2.214	0.951	2.246	2.560	2.282	2.214	2.280	W	1.560
October	2.090	3.099	2.296	0.948	2.437	2.665	2.379	2.281	2.373	W	1.700
November	1.732	2.762	2.100	0.826	2.206	2.449	2.130	2.098	2.128	W	1.556
December	1.514	2.463	1.811	0.798	1.954	2.175	1.794	1.796	1.794	W	1.293
2018	1.980	3.006	2.073	0.877	2.160	2.380	2.130	2.002	2.123	W	1.463
2019											
January	1.483	2.394	1.822	0.775	2.021	2.127	1.789	1.813	1.791	W	1.357
February	1.624	2.527	1.925	0.772	2.111	2.246	1.950	1.907	1.946	W	1.508
March	1.881	2.874	1.960	0.754	2.087	2.389	2.020	1.958	2.015	W	1.572

W = Withheld to avoid disclosure of individual company data.

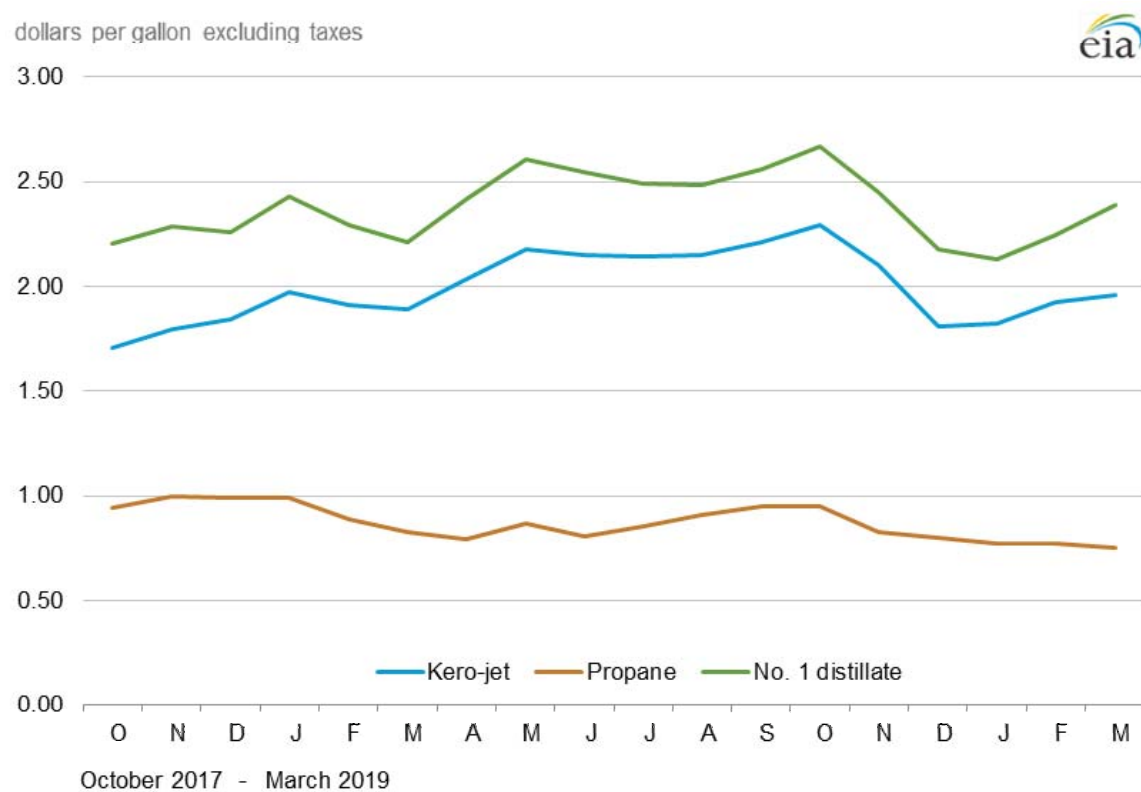
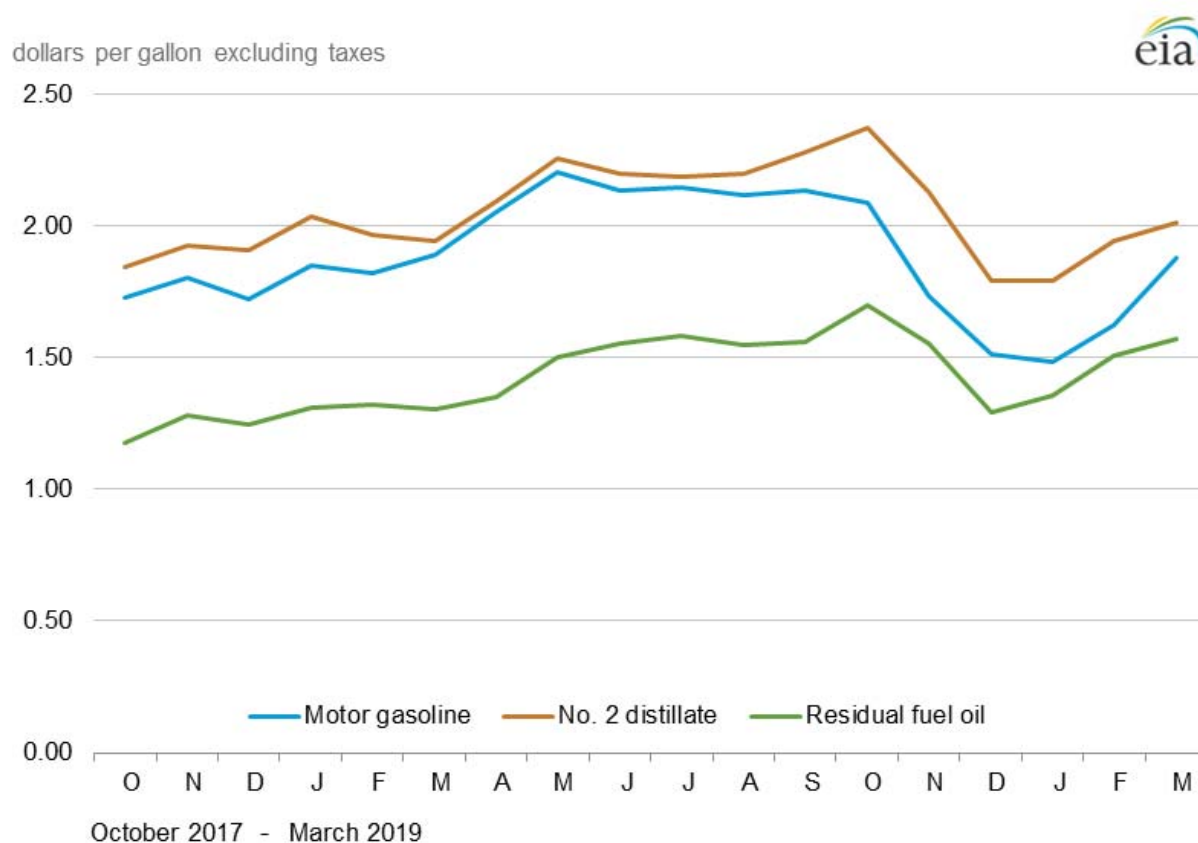
R = Revised data.

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

Notes: - Motor gasoline averages and totals before October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 are final.

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

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



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

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

million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
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	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	314.5	0.5	43.3	21.9	1.2	0.2	159.4	3.3	162.7	W	7.6
September	305.4	0.4	40.2	20.8	1.8	0.4	156.3	4.7	161.0	W	7.8
October	306.2	0.5	37.9	28.5	1.0	1.2	161.2	9.7	170.9	W	7.3
November	301.8	0.3	38.1	33.6	1.4	2.7	155.3	12.9	168.1	W	6.7
December	293.9	0.4	37.2	36.1	1.4	2.4	152.3	17.1	169.5	W	7.3
2018	305.4	0.4	40.5	28.4	1.2	1.2	154.5	9.1	163.7	W	7.6
2019											
January	287.2	0.4	36.9	41.1	1.8	3.3	150.5	15.7	166.1	W	7.9
February	R291.6	0.3	38.2	40.7	1.3	3.8	148.2	R14.5	R162.7	W	7.6
March	297.7	0.4	40.2	31.7	1.0	1.5	154.8	11.6	166.4	W	6.7

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

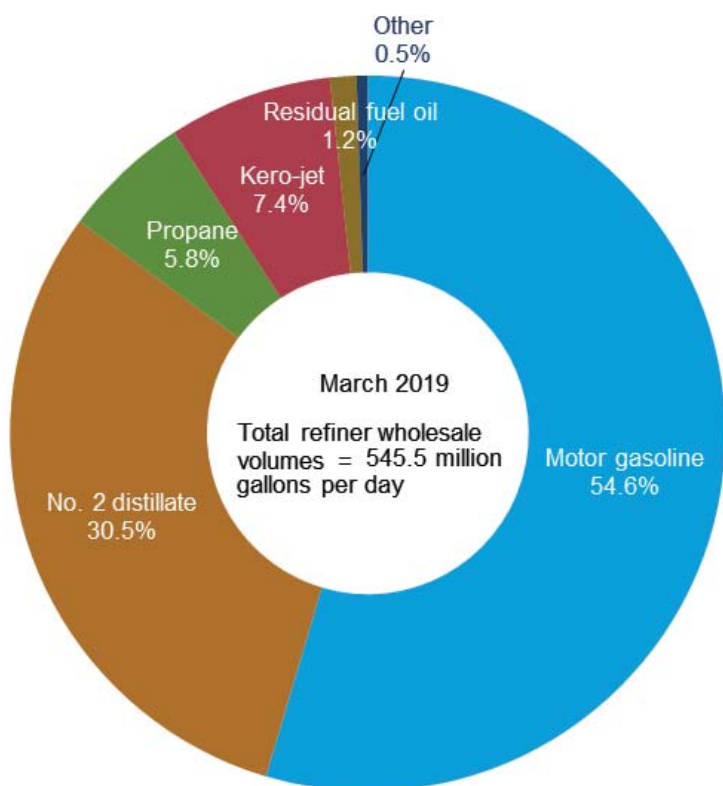
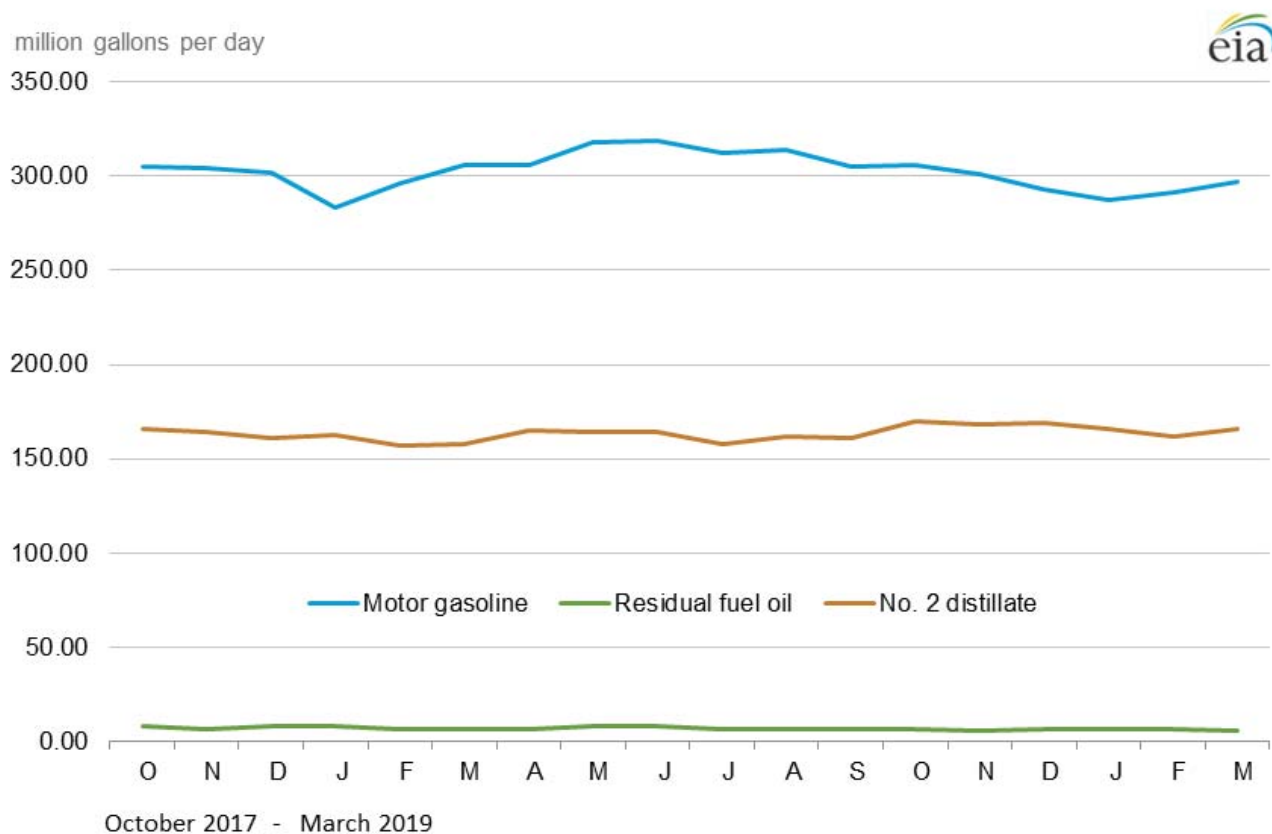
R = Revised data.

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

Notes: Motor gasoline averages and totals before October 1993 include leaded gasoline. Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 are final. Totals may not equal the sum of the components because of 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	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	2.348	2.345	2.402	2.053	2.046	2.075	2.662	2.661	2.546	2.237	-	2.270
September	2.352	2.349	2.479	2.069	2.046	2.093	2.679	2.678	2.631	2.254	-	2.296
October	2.361	2.357	2.592	2.005	2.060	2.046	2.725	2.723	2.725	2.202	-	2.261
November	2.117	2.113	2.320	1.643	1.679	1.688	2.534	2.532	2.435	1.833	-	1.899
December	1.881	1.878	2.087	1.425	1.459	1.469	2.300	2.299	2.225	1.611	-	1.681
2018	2.225	2.222	2.359	1.907	1.923	1.937	2.565	2.563	2.498	2.098	-	2.143
2019												
January	1.766	1.762	1.984	1.405	1.407	1.441	2.158	2.157	2.138	1.584	-	1.644
February	R1.869	R1.865	R2.034	R1.555	1.499	1.582	R2.214	R2.213	2.230	1.728	-	1.783
March	2.059	2.056	2.212	1.819	1.729	1.839	2.392	2.391	2.381	1.994	-	2.034

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	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	2.881	2.874	2.652	2.397	2.215	2.421	2.424	2.421	2.457	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
October	2.962	2.954	2.840	2.361	2.249	2.419	2.445	2.441	2.647	2.045	2.080	2.090
November	2.764	2.755	2.542	1.998	1.825	2.062	2.210	2.205	2.369	1.683	1.694	1.732
December	2.534	2.526	2.321	1.766	1.594	1.832	1.977	1.973	2.140	1.464	1.476	1.514
2018	2.790	2.784	2.605	2.256	2.105	2.293	2.306	2.303	2.413	1.947	1.942	1.980
2019												
January	2.401	2.394	2.232	1.734	1.548	1.786	1.858	1.854	2.040	1.442	1.424	1.483
February	R2.447	R2.440	R2.312	1.877	1.721	1.925	R1.954	R1.949	R2.097	1.591	1.527	1.624
March	2.621	2.615	2.484	2.148	2.011	2.187	2.141	2.137	2.272	1.857	1.755	1.881

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 2018 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	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	275.0	1.7	1.7	0.2	2.0	-	2.2
September	19.8	20.1	17.1	230.0	20.7	267.8	1.7	1.7	0.2	1.8	-	2.0
October	20.3	20.6	17.0	236.1	15.9	269.0	1.7	1.7	0.2	1.7	-	1.9
November	20.2	20.5	16.7	233.2	15.2	265.1	1.7	1.7	0.2	1.7	-	1.9
December	19.8	20.0	16.6	227.2	13.5	257.2	1.6	1.6	0.2	1.6	-	1.8
2018	19.9	20.1	17.0	232.6	18.1	267.7	1.6	1.7	0.2	1.8	-	2.1
2019												
January	19.0	19.2	15.6	218.2	17.8	251.6	1.6	1.6	0.2	1.5	-	1.7
February	R19.2	R19.5	R16.4	R222.8	15.9	R255.2	1.6	1.6	0.2	1.5	-	1.7
March	19.9	20.1	16.8	229.5	15.1	261.3	1.7	1.7	0.2	1.6	-	1.8

See footnotes at end of table.

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

million gallons per day

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	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	30.5	2.0	37.3	25.0	25.4	22.8	274.2	17.5	314.5
September	2.5	2.5	4.8	28.9	1.9	35.6	24.0	24.4	22.1	260.7	22.6	305.4
October	2.4	2.4	4.7	28.6	1.9	35.2	24.3	24.7	21.9	266.4	17.9	306.2
November	2.4	2.4	4.7	28.5	1.7	34.9	24.3	24.6	21.5	263.4	16.9	301.8
December	2.5	2.5	4.7	28.2	1.9	34.9	23.9	24.2	21.5	257.0	15.4	293.9
2018	2.4	2.5	4.7	28.8	2.0	35.6	23.9	24.3	22.0	263.3	20.1	305.4
2019												
January	2.4	2.4	4.4	27.0	2.4	33.9	22.9	23.2	20.3	246.7	20.2	287.2
February	R2.4	2.5	4.6	27.7	2.3	34.7	R23.2	R23.6	R21.3	R252.1	18.2	R291.6
March	2.5	2.5	4.6	28.4	1.5	34.6	24.0	24.3	21.6	259.5	16.7	297.7

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 2018 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	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	2.267	2.264	2.235	2.038	2.025	2.041	2.536	2.535	2.442	2.244	-	2.254
September	2.265	2.263	2.271	2.054	2.028	2.056	2.537	2.536	2.485	2.252	-	2.266
October	2.249	2.247	2.358	1.989	2.042	1.999	2.540	2.538	2.586	2.190	-	2.213
November	1.984	1.982	2.115	1.628	1.655	1.639	2.314	2.312	2.383	1.824	-	1.855
December	1.731	1.729	1.880	1.394	1.437	1.406	2.047	2.047	2.150	1.579	-	1.612
2018	2.123	2.122	2.167	1.885	1.903	1.892	2.401	2.399	2.378	2.087	-	2.104
2019												
January	1.623	1.621	1.728	1.369	1.383	1.377	1.911	1.912	2.002	1.545	-	1.569
February	R1.755	R1.751	R1.733	1.521	1.458	1.520	2.003	2.004	2.025	1.685	-	1.702
March	1.954	1.953	1.954	1.788	1.686	1.784	2.210	2.210	2.181	1.962	-	1.973

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	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	2.814	2.798	2.477	2.418	2.185	2.403	2.317	2.314	2.280	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
October	2.823	2.806	2.617	2.366	2.188	2.363	2.300	2.297	2.406	2.025	2.056	2.035
November	2.583	2.565	2.373	2.010	1.778	2.007	2.038	2.035	2.164	1.665	1.667	1.675
December	2.322	2.306	2.133	1.745	1.533	1.744	1.784	1.782	1.930	1.428	1.449	1.440
2018	2.676	2.663	2.413	2.260	2.066	2.249	2.173	2.171	2.213	1.922	1.919	1.928
2019												
January	2.192	2.179	1.961	1.704	1.493	1.691	1.674	1.672	1.772	1.402	1.396	1.409
February	R2.279	R2.266	R1.982	1.842	1.666	1.831	R1.801	R1.798	R1.781	1.552	1.483	1.552
March	2.483	2.472	2.207	2.125	1.955	2.118	2.002	2.000	2.001	1.821	1.708	1.817

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 2018 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	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	164.7	18.0	186.2	0.7	0.8	0.1	1.3	-	1.4
October	13.2	13.5	3.5	170.0	13.7	187.1	0.7	0.7	0.1	1.2	-	1.3
November	13.4	13.6	3.4	167.7	12.9	184.0	0.7	0.8	0.1	1.2	-	1.3
December	12.9	13.2	3.4	162.8	10.8	177.0	0.7	0.7	0.1	1.2	-	1.2
2018	13.0	13.3	3.5	166.9	15.2	185.6	0.7	0.8	0.1	1.3	-	1.4
2019												
January	12.4	12.7	3.2	155.9	14.8	173.9	0.7	0.7	0.1	1.1	-	1.2
February	R12.6	R12.9	R3.3	R159.1	13.0	175.3	0.7	0.7	0.1	1.1	-	1.2
March	13.0	13.3	3.5	165.7	12.4	181.6	0.7	0.8	0.1	1.2	-	1.2

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	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	19.1	1.5	21.4	15.3	15.6	4.5	194.8	13.9	213.2
September	1.0	1.0	0.7	17.8	1.5	20.0	14.6	14.9	4.3	183.8	19.5	207.5
October	0.9	1.0	0.7	17.6	1.5	19.8	14.9	15.2	4.3	188.9	15.1	208.3
November	0.9	1.0	0.7	17.4	1.4	19.5	15.1	15.4	4.2	186.3	14.3	204.8
December	0.9	1.0	0.7	17.1	1.5	19.4	14.6	14.9	4.2	181.1	12.3	197.7
2018	1.0	1.0	0.7	17.8	1.7	20.2	14.7	15.0	4.4	185.9	16.9	207.2
2019												
January	0.9	0.9	0.7	16.4	2.0	19.0	14.0	14.3	3.9	173.4	16.8	194.1
February	R0.9	1.0	0.7	16.7	1.8	19.2	R14.2	R14.5	R4.0	R176.8	14.8	195.7
March	1.0	1.0	0.7	17.4	1.1	19.3	14.7	15.0	4.3	184.3	13.5	202.1

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 2018 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	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
October	2.569	2.568	2.652	2.048	2.167	2.152	2.873	2.873	2.799	2.233	-	2.361
November	2.375	2.373	2.373	1.682	1.813	1.799	2.713	2.713	2.462	1.857	-	1.997
December	2.164	2.163	2.140	1.504	1.548	1.610	2.496	2.496	2.265	1.695	-	1.825
2018	2.417	2.416	2.409	1.964	2.029	2.039	2.699	2.699	2.562	2.126	-	2.224
2019												
January	2.038	2.036	2.049	1.494	1.527	1.584	2.355	2.355	2.207	1.689	-	1.807
February	2.088	2.086	2.109	1.639	1.684	1.718	2.380	2.380	2.326	1.841	-	1.956
March	2.258	2.257	2.280	1.902	1.918	1.965	2.539	2.539	2.479	2.083	-	2.173

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	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
October	3.051	3.051	2.882	2.352	2.445	2.491	2.673	2.672	2.705	2.093	2.213	2.206
November	2.881	2.881	2.573	1.980	2.033	2.133	2.489	2.487	2.419	1.726	1.840	1.853
December	2.664	2.664	2.356	1.798	1.810	1.942	2.279	2.278	2.191	1.548	1.584	1.665
2018	2.864	2.864	2.641	2.249	2.277	2.351	2.516	2.515	2.463	2.006	2.058	2.090
2019												
January	2.532	2.532	2.280	1.780	1.801	1.908	2.151	2.149	2.103	1.536	1.562	1.637
February	2.550	2.550	2.371	1.930	1.927	2.042	2.194	2.192	2.171	R1.683	1.719	1.772
March	2.706	2.706	2.537	2.186	2.151	2.274	2.361	2.359	2.339	1.944	1.950	2.016

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 2018 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	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
October	7.1	7.1	13.5	66.1	2.3	81.9	0.9	0.9	0.1	0.5	-	0.6
November	6.9	6.9	13.2	65.5	2.3	81.0	0.9	0.9	0.1	0.5	-	0.6
December	6.9	6.9	13.2	64.4	2.7	80.2	0.9	0.9	0.1	0.4	-	0.6
2018	6.9	6.9	13.5	65.7	2.9	82.1	0.9	0.9	0.2	0.5	-	0.7
2019												
January	6.5	6.5	12.5	62.3	3.0	77.7	0.9	0.9	0.1	0.4	-	0.5
February	6.6	6.6	13.2	63.8	2.9	79.8	0.9	0.9	0.1	0.4	-	0.5
March	6.8	6.9	13.2	63.8	2.8	79.8	0.9	0.9	0.1	0.4	-	0.5

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	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
October	1.5	1.5	3.9	11.0	0.5	15.4	9.5	9.5	17.6	77.5	2.7	97.9
November	1.5	1.5	3.9	11.1	0.3	15.3	9.2	9.3	17.3	77.1	2.6	97.0
December	1.5	1.5	4.0	11.1	0.4	15.5	9.3	9.3	17.3	75.9	3.1	96.3
2018	1.5	1.5	4.0	11.1	0.4	15.5	9.3	9.3	17.6	77.3	3.3	98.2
2019												
January	1.5	1.5	3.8	10.6	0.4	14.8	8.8	8.9	16.4	73.3	3.4	93.0
February	1.5	1.5	3.9	11.1	0.5	15.5	9.0	R9.0	17.2	75.3	3.4	R95.9
March	1.6	1.6	3.9	11.0	0.4	15.3	9.3	9.3	17.2	75.2	3.2	95.6

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 2018 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	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	1.680	1.552	1.764	1.549
September	W	1.520	1.696	1.561	1.761	1.560
October	W	1.620	1.816	1.703	1.875	1.700
November	W	1.360	1.731	1.562	1.827	1.556
December	W	1.252	1.467	1.295	1.608	1.293
2018	W	1.397	1.587	1.466	1.662	1.463
2019						
January	W	1.626	1.417	1.326	1.425	1.357
February	W	1.808	1.553	1.458	1.568	1.508
March	W	W	1.607	1.542	1.623	1.572

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 2018 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	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	7.1	3.2	7.6
September	W	0.2	W	7.6	3.6	7.8
October	W	0.2	W	7.0	3.8	7.3
November	W	0.2	W	6.5	3.4	6.7
December	W	0.5	W	6.8	3.5	7.3
2018	W	0.4	W	7.2	3.5	7.6
2019						
January	W	0.8	W	7.0	2.8	7.9
February	W	1.1	W	6.5	2.3	7.6
March	W	W	W	W	2.2	6.7

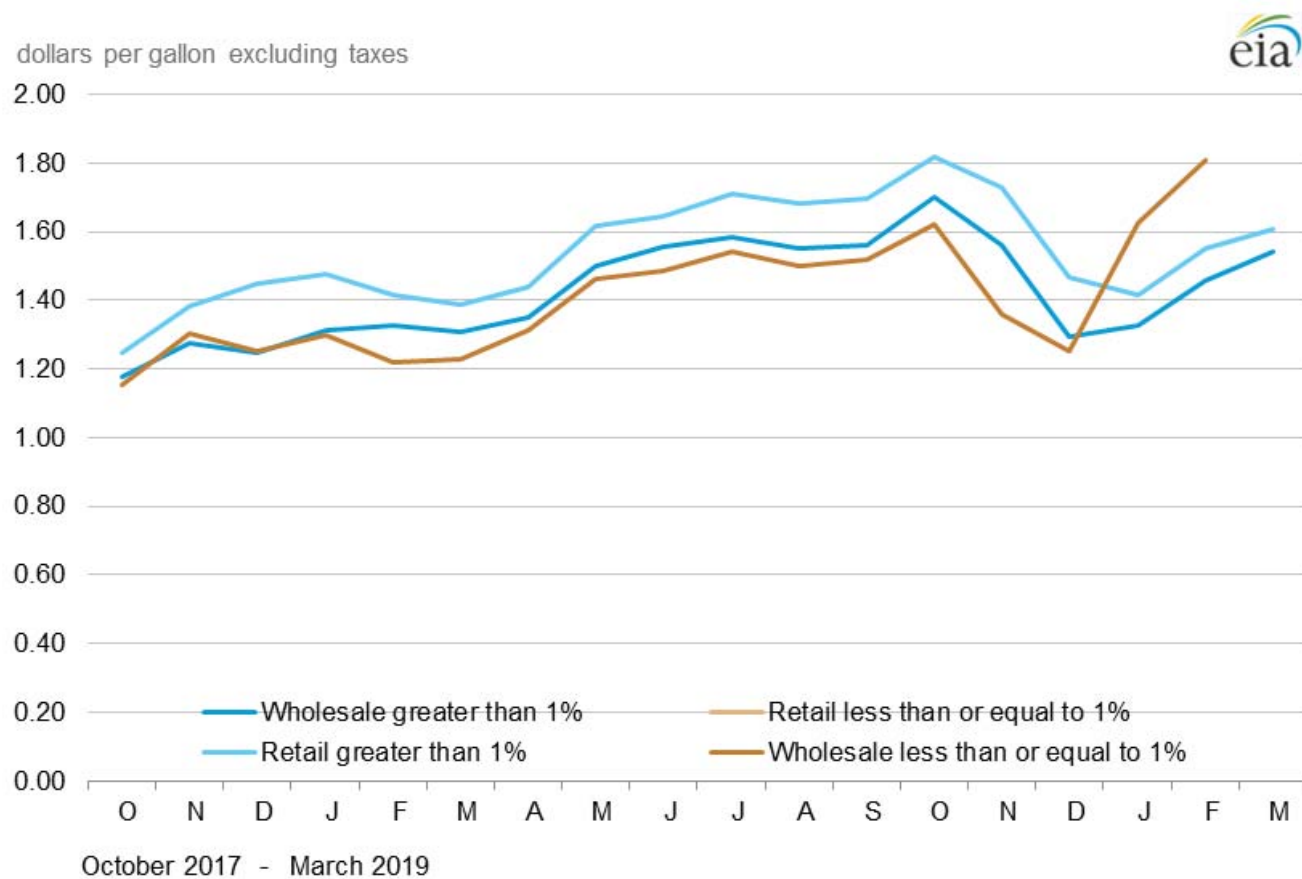
NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 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	R61.18	R61.36	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	R59.65	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	R66.36	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	R66.20	W	65.40	63.59	R68.09	67.27	67.03	66.47	67.66	71.55	64.67
August	62.64	62.49	61.95	W	62.18	60.36	R65.82	64.25	64.03	63.74	64.66	68.89	61.78
September	R63.54	R63.20	64.38	W	64.32	62.46	67.31	66.57	66.24	65.75	66.85	71.17	63.95
October	65.18	64.92	65.27	W	64.94	63.33	67.58	67.11	66.84	66.29	67.52	70.37	64.63
November	55.65	55.57	52.11	W	51.17	50.13	52.46	53.30	53.14	52.46	54.58	56.28	50.76
December	R47.63	R47.47	43.98	W	43.42	41.67	R40.58	45.30	45.10	44.30	45.45	48.47	42.05
2018	R61.40	R61.35	59.41	W	59.52	57.30	R61.15	61.24	60.98	60.45	61.84	65.51	58.61
2019													
January	47.85	47.51	46.09	W	45.91	43.93	46.08	48.07	47.82	46.96	48.30	50.98	44.76
February	R52.51	R52.22	49.49	W	49.40	47.13	51.86	51.68	51.35	50.52	51.72	54.39	48.29
March	57.47	57.30	52.74	W	52.25	49.93	54.91	54.69	54.41	53.55	54.84	57.44	51.56

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
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	Offshore Gulf
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	R62.57	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	R58.98	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	65.31	62.95	67.58	64.32	61.08	66.46	61.44	68.81	66.25	54.43	59.40	67.61
September	66.76	65.10	68.91	64.57	R61.32	70.34	63.86	71.80	69.46	52.97	R59.54	69.46
October	67.14	65.85	68.92	64.92	63.33	72.92	65.67	74.03	72.26	54.87	61.44	71.93
November	51.24	52.20	54.95	49.68	56.19	59.77	51.81	60.82	59.35	48.55	52.93	67.76
December	R37.06	44.18	46.74	38.89	49.25	51.44	43.90	52.47	51.20	43.59	46.59	58.94
2018	R60.27	60.61	62.95	59.55	61.04	64.93	58.69	66.65	64.39	56.06	59.91	65.97
2019												
January	44.49	46.91	49.02	43.67	47.40	52.73	46.47	53.89	52.65	41.85	45.82	54.13
February	51.76	50.40	52.40	49.40	51.73	56.14	50.06	57.44	56.24	47.93	50.77	56.33
March	54.84	53.41	55.40	51.94	57.67	60.19	52.83	61.24	60.19	54.90	56.82	61.22

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	R61.00	R58.55	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	R64.46	64.72	64.02	61.55	R65.61	69.57	66.50	W	73.12	W
June	R61.85	62.43	61.20	58.87	R62.84	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	63.18	63.52	63.19	59.12	64.46	67.57	65.76	W	69.34	W
September	64.13	65.30	63.50	60.89	64.50	71.62	69.75	W	73.67	W
October	64.52	65.71	63.65	61.59	64.62	72.87	69.68	W	76.27	W
November	50.61	52.37	46.26	51.79	48.58	59.75	57.00	W	62.96	W
December	R40.22	R43.98	32.39	R40.76	R36.51	52.07	50.12	W	54.45	W
2018	R59.05	R59.87	58.03	R56.85	R59.35	65.03	62.21	W	68.12	W
2019										
January	44.32	45.47	42.10	43.26	43.85	55.24	53.34	W	57.72	W
February	R49.04	48.83	49.85	46.26	R50.28	59.73	56.99	W	63.29	W
March	51.87	51.84	52.56	47.97	53.26	62.44	60.17	W	65.34	W

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In November 2018, 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 2018 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	R58.55	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	R66.74
June	64.42	W	70.21	69.52	67.74	66.96	58.10	56.17	R63.95
July	67.92	W	71.30	74.47	74.25	69.89	62.70	60.71	68.17
August	65.76	W	68.14	68.71	67.92	65.96	57.09	55.20	65.75
September	69.75	W	72.66	72.26	71.04	68.04	R56.48	53.38	66.02
October	69.68	75.65	75.09	74.66	74.59	71.58	58.15	56.03	66.18
November	57.00	62.12	61.52	64.08	61.60	65.37	50.96	48.80	50.84
December	50.12	53.48	53.03	56.89	53.38	55.95	44.95	46.61	R38.09
2018	62.21	67.05	66.97	67.54	66.17	64.59	58.11	57.04	R60.99
2019									
January	53.34	57.27	56.39	55.51	53.96	52.20	44.06	42.07	44.71
February	56.99	60.94	60.26	58.99	57.25	55.07	49.30	48.35	R50.96
March	60.17	64.49	63.76	63.07	61.69	60.36	55.72	55.59	53.86

- = No data reported.

R = Revised data.

Notes: - In November 2018, 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 2018 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	R62.47	63.07
February	62.89	63.48	R58.18	61.52	R61.70	61.30
March	63.44	64.34	58.17	60.30	61.35	R60.69
April	67.34	67.64	61.91	63.23	63.78	63.74
May	72.16	71.97	66.28	66.19	65.06	R66.58
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	68.66	68.70	65.42	62.83	58.61	63.76
September	73.09	72.27	69.25	63.74	R58.26	65.14
October	75.76	75.18	69.22	66.28	59.85	66.45
November	62.33	61.42	56.41	59.04	51.61	53.90
December	53.77	52.74	49.57	52.45	R45.09	44.52
2018	67.45	67.25	61.83	62.35	R58.97	61.59
2019						
January	57.16	57.06	52.95	49.43	44.72	47.45
February	61.16	60.50	56.72	53.51	R49.94	52.75
March	64.70	64.14	59.90	59.43	56.00	57.23

R = Revised data.

Notes: - In November 2018, 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 2018 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	R63.28	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	-	70.62	-	62.93	70.30	67.64	R59.85
August	W	67.29	63.08	W	R71.08	W	63.09	R70.11	R68.40	57.46
September	W	W	68.15	W	72.90	W	68.94	72.05	71.80	56.39
October	W	W	R73.91	W	74.73	W	68.44	74.61	73.26	R54.18
November	-	64.87	63.76	W	R62.34	W	53.25	R63.44	R60.58	36.18
December	-	50.04	52.70	W	57.79	-	46.46	55.74	53.04	28.95
2018	74.44	62.51	R62.75	71.41	R68.23	71.65	R61.25	R66.55	R65.61	R51.41
2019										
January	-	53.27	R54.81	W	W	W	R48.38	R58.54	R55.22	R46.13
February	-	56.59	R58.52	W	W	W	W	61.20	R62.51	R51.44
March	-	61.28	60.61	W	W	W	-	64.23	64.48	55.01

- = 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 2018-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar (1997-2018), 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 2018 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	R51.17	63.25	R59.86	69.15	64.81	W	62.79	R63.83	R64.78	R54.69
February	W	R48.27	62.55	57.37	69.60	65.30	68.19	55.98	63.21	62.93	R53.05
March	70.27	47.01	63.59	56.99	70.59	66.77	W	57.72	63.72	R63.53	51.07
April	W	52.22	66.34	58.62	W	69.44	73.82	R63.62	67.09	R66.95	R56.32
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	R59.00	71.20	66.82	W	72.56	-	63.67	71.62	70.54	62.54
August	75.45	56.78	68.79	64.18	W	R72.85	72.41	64.12	R71.64	R70.48	60.79
September	75.83	52.35	73.88	69.79	W	72.56	W	70.73	72.26	72.45	58.76
October	W	R47.96	R74.22	R74.76	W	73.75	W	69.31	72.24	72.19	R57.15
November	-	28.06	66.20	64.52	68.03	R65.87	W	55.70	R64.99	R63.30	38.56
December	-	21.62	54.71	53.89	62.21	60.39	W	48.93	58.67	57.11	R30.89
2018	73.42	R48.34	R66.75	R63.48	71.93	69.40	73.28	R62.46	R67.55	R67.22	R54.27
2019											
January	-	R40.33	56.26	R56.12	W	R61.69	W	R51.82	R59.80	R57.46	R45.44
February	-	R49.84	R59.69	R59.72	W	R63.53	W	R52.72	R61.99	R61.32	R53.53
March	-	53.81	64.14	61.74	W	65.21	W	W	63.98	63.70	56.86

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

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

[b] Includes Algeria, Angola (January 2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (January 2008-present), Equatorial Guinea (May 2018-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar (1997-2018), 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	R57.58	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	59.86	58.01	68.71	69.06	67.39	72.74	W
August	60.39	54.39	67.31	R69.37	67.01	71.14	W
September	58.92	54.06	72.13	72.46	68.33	W	W
October	R59.90	R55.36	71.51	67.46	59.12	W	W
November	47.19	35.95	51.98	R53.65	37.46	66.22	W
December	42.73	26.24	34.40	49.43	31.50	W	W
2018	R56.23	R49.53	62.26	R64.43	R58.85	70.85	W
2019							
January	R48.25	R42.98	50.46	R55.65	R47.02	57.38	W
February	R53.25	R50.48	R58.00	R57.52	R52.85	W	W
March	55.69	53.04	60.21	63.19	57.77	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	R53.07	62.54	R64.41	61.62	R68.66	69.67
February	54.33	49.87	61.17	R64.31	65.10	R66.22	68.83
March	54.30	48.32	61.15	65.40	62.69	67.41	W
April	R59.96	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	62.24	60.25	69.86	72.16	69.74	74.18	76.47
August	R62.13	57.72	67.62	R71.79	69.54	72.53	W
September	62.05	56.28	69.02	72.70	70.87	75.57	W
October	R63.58	R54.78	66.37	69.02	63.34	77.21	W
November	47.22	36.31	57.21	R58.86	45.90	68.42	W
December	45.94	R26.44	52.69	50.99	37.95	65.68	W
2018	R58.99	R51.34	R64.57	R66.93	62.82	R71.71	71.47
2019							
January	R49.72	R41.88	R54.64	R56.22	R50.11	57.81	R65.11
February	R55.03	R51.99	R58.69	R59.41	R55.51	R61.35	W
March	56.86	55.01	60.09	63.15	61.20	61.84	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	R13.65	R46.31	R8.15	R21.96	R5.29	R2.32	R2.32
February	R14.54	R41.23	R10.57	R23.23	R5.63	R2.88	R1.93
March	14.87	40.44	11.29	24.42	4.69	W	W
April	R15.39	R41.98	R8.00	R24.55	R5.55	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	17.27	R39.83	10.16	R23.03	R5.57	3.37	0.77
August	R16.92	R38.86	R10.56	R22.83	R7.61	W	W
September	19.27	40.28	9.66	21.96	6.09	W	W
October	R19.76	R41.24	R12.30	R18.05	R5.47	W	W
November	R16.81	R39.03	R10.55	R20.69	R8.77	W	W
December	R12.93	R44.45	R8.58	R22.46	R7.31	W	W
2018	R16.36	R41.28	R9.99	R22.06	R6.34	R2.49	R1.49
2019							
January	R15.77	R38.04	R11.31	R23.50	R8.09	R1.46	R1.82
February	R9.19	R45.33	R11.85	R20.71	R8.73	W	W
March	11.27	43.55	16.21	19.97	7.00	W	W

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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	68.34	-	W
3rd quarter average	-	68.98	66.00	-	W
October	-	-	R74.38	-	W
November	-	W	64.73	-	-
December	-	W	52.75	-	-
4th quarter average	-	58.16	R66.48	-	W
2018	-	63.19	R63.02	-	W
2019					
January	-	W	R55.42	-	-
February	-	W	R59.35	-	-
March	-	W	61.52	-	-
1st quarter average	-	W	58.71	-	-

- = 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 2018 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	62.05	-
3rd quarter average	74.55	-	51.15	64.81	-
October	W	-	44.12	59.11	-
November	W	-	18.36	45.37	-
December	W	-	10.44	31.68	W
4th quarter average	70.74	-	26.06	43.19	W
2018	72.51	W	42.83	57.93	W
2019					
January	-	-	32.02	46.30	W
February	W	-	48.27	48.42	-
March	-	-	52.21	56.53	W
1st quarter average	W	-	43.75	50.43	W

See footnotes at end of table.

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

dollars per barrel

Year quarter month	Ecuadorian Oriente	Ecuadorian Napo	Iraqi Basrah Light	Mexican Mayan	Nigerian Bonny Light
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	R58.24	-
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	70.02	66.89	-
August	70.12	R67.85	68.65	64.21	-
September	W	68.28	72.38	69.88	-
3rd quarter average	72.42	R68.30	70.26	66.80	-
October	77.96	69.48	61.55	R75.19	-
November	67.51	61.44	63.76	65.12	-
December	56.45	53.47	58.25	53.87	-
4th quarter average	64.19	60.95	61.29	R65.99	-
2018	67.94	R65.09	R65.43	R63.62	-
2019					
January	57.97	50.60	57.15	R56.19	-
February	R62.01	W	59.71	60.36	-
March	W	W	62.67	62.32	-
1st quarter average	60.53	52.95	59.77	59.75	-

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 Meryey
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	-	72.63	71.91	74.41	W
August	-	73.60	R72.30	73.88	W
September	-	72.45	71.44	75.91	W
3rd quarter average	-	72.83	R71.97	74.65	W
October	-	75.50	69.25	77.42	W
November	-	65.22	R65.40	71.69	W
December	-	60.43	58.86	61.95	-
4th quarter average	-	67.29	R65.62	70.71	64.43
2018	W	R69.40	R68.78	R71.81	63.24
2019					
January	-	R61.38	R62.60	W	-
February	-	R64.37	R62.68	W	W
March	-	67.07	62.53	66.17	-
1st quarter average	-	63.64	62.59	62.07	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Effective January 2009, selected crude streams were discontinued and new crude 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 2018 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 to end users			Sales to end users			Sales to end users		
	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
United States												
March 2019	2.059	1.848	1.839	2.392	2.219	2.034	2.621	2.078	2.187	2.141	1.880	1.881
February 2019	1.869	1.592	1.582	2.214	2.057	1.783	2.447	1.800	1.925	1.954	1.623	1.624
March 2018	2.080	1.964	1.846	2.419	2.149	2.047	2.649	NA	2.206	2.162	1.990	1.889
PAD District 1												
March 2019	1.914	W	1.783	2.167	W	1.970	2.379	W	2.100	1.983	W	1.821
February 2019	1.733	W	1.529	1.982	W	1.697	2.197	W	1.845	1.801	W	1.566
March 2018	1.956	NA	1.790	2.214	W	1.974	2.422	W	2.118	2.023	NA	1.830
Subdistrict 1A												
March 2019	W	W	1.779	W	-	1.919	W	-	2.016	W	W	1.811
February 2019	W	W	1.554	W	-	1.724	W	-	1.801	W	W	1.587
March 2018	W	W	1.800	W	-	1.897	W	-	2.068	W	W	1.835
Connecticut												
March 2019	-	W	1.776	-	-	1.900	-	-	2.038	-	W	1.815
February 2019	-	W	1.551	-	-	1.693	-	-	1.827	-	W	1.591
March 2018	-	W	1.794	-	-	1.922	-	-	2.097	-	W	1.838
Maine												
March 2019	-	-	1.842	-	-	W	-	-	2.149	-	-	1.866
February 2019	-	-	1.629	-	-	W	-	-	1.932	-	-	1.654
March 2018	-	-	1.857	-	-	W	-	-	2.152	-	-	1.880
Massachusetts												
March 2019	W	-	1.758	W	-	1.789	W	-	1.934	W	-	1.781
February 2019	W	-	1.533	W	-	1.566	W	-	1.729	W	-	1.560
March 2018	W	-	1.799	W	-	1.878	W	-	2.014	W	-	1.829
New Hampshire												
March 2019	W	-	W	W	-	-	W	-	W	W	-	W
February 2019	W	-	W	W	-	-	W	-	W	W	-	W
March 2018	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
March 2019	W	-	1.785	W	-	W	W	-	W	W	-	1.819
February 2019	W	-	1.541	W	-	W	W	-	W	W	-	1.574
March 2018	W	-	1.780	W	-	W	W	-	W	W	-	1.811
Vermont												
March 2019	-	-	1.766	-	-	W	-	-	2.078	-	-	W
February 2019	-	-	1.553	-	-	1.754	-	-	1.862	-	-	W
March 2018	-	-	1.811	-	-	W	-	-	2.100	-	-	W
Subdistrict 1B												
March 2019	1.927	-	1.753	2.170	-	1.883	2.365	-	2.012	2.004	-	1.784
February 2019	1.751	-	1.514	1.985	-	1.632	2.182	-	1.780	1.826	-	1.545
March 2018	1.985	-	1.783	2.218	-	1.914	2.404	-	2.027	2.057	-	1.813
Delaware												
March 2019	W	-	1.759	W	-	1.873	W	-	1.968	W	-	1.780
February 2019	W	-	1.527	W	-	1.652	W	-	1.741	W	-	1.549
March 2018	W	-	1.780	W	-	1.895	W	-	1.967	W	-	1.798
District of Columbia												
March 2019	-	-	-	-	-	-	-	-	-	-	-	-
February 2019	-	-	-	-	-	-	-	-	-	-	-	-
March 2018	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
March 2019	-	-	1.804	-	-	1.901	-	-	2.012	-	-	1.834
February 2019	-	-	1.524	-	-	1.602	-	-	1.740	-	-	1.555
March 2018	-	-	1.822	-	-	1.913	-	-	2.020	-	-	1.851
New Jersey												
March 2019	W	-	1.731	W	-	1.844	W	-	1.959	W	-	1.756
February 2019	W	-	1.497	W	-	1.614	W	-	1.738	W	-	1.523
March 2018	W	-	1.758	W	-	1.893	W	-	1.984	W	-	1.785
New York												
March 2019	1.951	-	1.767	2.175	-	1.958	2.373	-	2.075	2.026	-	1.816
February 2019	1.783	-	1.548	2.008	-	1.751	2.203	-	1.857	1.859	-	1.598
March 2018	2.015	-	1.802	2.228	-	2.028	2.412	-	2.091	2.086	-	1.849
Pennsylvania												
March 2019	W	-	1.741	W	-	1.861	W	-	1.996	W	-	1.761
February 2019	W	-	1.502	W	-	1.642	W	-	1.761	W	-	1.522
March 2018	W	-	1.774	W	-	1.870	W	-	2.002	W	-	1.795

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													
March 2019	W	W	1.803	W	W	1.996	W	W	2.171	W	W	1.845	
February 2019	W	W	1.535	W	W	1.711	W	W	1.897	W	W	1.576	
March 2018	W	NA	1.793	W	W	1.996	W	W	2.184	W	NA	1.840	
Florida													
March 2019	W	1.871	1.842	W	-	2.046	W	W	2.200	W	1.874	1.888	
February 2019	W	1.595	1.564	W	-	1.755	W	W	1.927	W	1.598	1.609	
March 2018	W	W	1.817	W	-	2.059	W	W	2.211	W	W	1.871	
Georgia													
March 2019	W	W	1.769	W	-	1.935	W	-	2.161	W	W	1.813	
February 2019	W	W	1.514	W	-	1.669	W	-	1.916	W	W	1.558	
March 2018	W	W	1.770	W	-	1.940	W	-	2.187	W	W	1.818	
North Carolina													
March 2019	W	W	1.771	W	-	1.985	W	W	2.148	W	W	1.812	
February 2019	W	W	1.515	W	-	1.717	W	W	1.881	W	W	1.554	
March 2018	W	-	1.772	W	-	1.990	W	-	2.171	W	-	1.815	
South Carolina													
March 2019	W	W	1.770	W	W	1.992	W	W	2.160	W	W	1.806	
February 2019	W	W	1.514	W	W	1.717	W	W	1.892	W	W	1.549	
March 2018	W	W	1.777	W	W	2.011	W	W	2.185	W	W	1.815	
Virginia													
March 2019	-	-	1.821	-	-	1.960	-	-	2.142	-	-	1.861	
February 2019	-	-	1.532	-	-	1.650	-	-	1.822	-	-	1.568	
March 2018	-	-	1.812	-	-	1.941	-	-	2.128	-	-	1.851	
West Virginia													
March 2019	W	-	1.791	W	-	1.977	W	-	2.195	W	-	1.808	
February 2019	W	-	1.556	W	-	1.719	W	-	1.978	W	-	1.573	
March 2018	W	W	1.785	W	-	1.920	W	-	2.211	W	W	1.799	
PAD District 2													
March 2019	W	1.758	1.789	W	W	1.933	W	W	2.123	W	1.777	1.816	
February 2019	W	1.519	1.525	W	W	1.660	W	W	1.836	W	1.535	1.552	
March 2018	W	1.865	1.762	2.222	W	1.905	W	2.135	2.120	W	1.881	1.791	
Illinois													
March 2019	W	1.976	1.816	W	-	1.954	W	-	2.157	W	1.976	1.849	
February 2019	W	1.623	1.538	W	-	1.688	W	-	1.869	W	1.623	1.572	
March 2018	W	1.898	1.773	W	-	1.924	W	-	2.149	W	1.898	1.810	
Indiana													
March 2019	W	W	1.760	W	-	1.930	W	-	2.124	W	W	1.786	
February 2019	W	W	1.518	W	-	1.689	W	-	1.885	W	W	1.542	
March 2018	W	W	1.732	W	-	1.922	W	-	2.151	W	W	1.760	
Iowa													
March 2019	-	W	1.820	-	-	1.923	-	-	2.091	-	W	1.850	
February 2019	-	W	1.538	-	-	1.634	-	-	1.764	-	W	1.561	
March 2018	-	W	1.807	-	-	1.906	-	-	2.069	-	W	1.837	
Kansas													
March 2019	W	W	1.776	W	W	1.880	-	-	1.955	W	W	1.792	
February 2019	W	W	1.504	W	W	1.584	-	-	1.685	W	W	1.522	
March 2018	W	W	1.778	W	W	1.878	-	-	2.000	W	W	1.798	
Kentucky													
March 2019	W	W	1.831	W	-	1.998	W	-	2.216	W	W	1.853	
February 2019	W	W	1.547	W	-	1.720	W	-	1.916	W	W	1.567	
March 2018	W	W	1.795	W	-	1.965	W	W	2.201	W	W	1.818	
Michigan													
March 2019	W	W	1.765	W	-	2.031	W	W	2.219	W	W	1.790	
February 2019	W	W	1.511	W	-	1.806	W	W	1.957	W	W	1.537	
March 2018	W	W	1.732	W	-	1.954	W	W	2.234	W	W	1.760	
Minnesota													
March 2019	W	W	1.821	W	W	1.913	W	W	2.016	W	W	1.840	
February 2019	W	W	1.546	1.930	W	1.630	W	W	1.720	W	W	1.563	
March 2018	W	W	1.751	W	W	1.812	W	W	1.967	W	W	1.770	
Missouri													
March 2019	-	W	1.824	-	-	1.952	-	-	2.115	-	W	1.845	
February 2019	-	W	1.541	-	-	1.638	-	-	1.799	-	W	1.560	
March 2018	-	W	1.803	-	-	1.921	-	-	2.100	-	W	1.824	

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												
March 2019	W	W	1.827	W	-	1.938	-	-	2.096	W	W	1.855
February 2019	W	W	1.547	W	-	1.650	-	-	1.761	W	W	1.566
March 2018	W	W	1.811	W	-	1.932	-	-	2.070	W	W	1.838
North Dakota												
March 2019	W	W	1.802	W	W	1.905	W	W	2.111	W	W	1.832
February 2019	W	W	1.525	W	W	1.638	W	W	1.824	W	W	1.557
March 2018	W	W	1.783	W	W	1.923	W	W	2.183	W	W	1.819
Ohio												
March 2019	W	W	1.752	W	-	1.976	W	W	2.167	W	W	1.779
February 2019	W	W	1.525	W	-	1.745	W	W	1.907	W	W	1.552
March 2018	W	W	1.725	W	-	1.948	W	W	2.195	W	W	1.757
Oklahoma												
March 2019	W	W	1.814	W	-	1.956	W	-	2.030	W	W	1.842
February 2019	W	W	1.523	W	-	1.651	W	-	1.711	W	W	1.548
March 2018	W	W	1.814	W	-	1.969	W	-	2.038	W	W	1.840
South Dakota												
March 2019	W	W	1.779	W	W	1.882	W	-	2.060	W	W	1.806
February 2019	W	W	1.453	W	W	1.567	W	-	1.723	W	W	1.477
March 2018	W	W	1.735	W	W	1.839	W	W	2.058	W	W	1.763
Tennessee												
March 2019	W	W	1.763	W	-	1.924	W	W	2.122	W	W	1.793
February 2019	W	W	1.504	W	-	1.642	W	W	1.833	W	W	1.532
March 2018	W	W	1.763	W	-	1.929	W	W	2.117	W	W	1.794
Wisconsin												
March 2019	W	W	1.814	W	-	1.933	W	W	2.221	W	W	1.844
February 2019	W	W	1.546	W	-	1.678	W	W	1.950	W	W	1.582
March 2018	W	W	1.763	W	-	1.890	W	W	2.143	W	W	1.791
PAD District 3												
March 2019	2.009	NA	1.782	2.296	W	1.956	2.526	NA	2.076	2.073	NA	1.808
February 2019	1.789	NA	1.509	2.017	W	1.646	2.219	NA	1.758	1.843	NA	1.534
March 2018	1.950	1.865	1.790	2.174	-	1.928	2.385	W	2.067	2.004	1.879	1.815
Alabama												
March 2019	-	W	1.771	-	-	1.982	-	W	2.188	-	W	1.806
February 2019	-	W	1.509	-	-	1.715	-	W	1.926	-	W	1.543
March 2018	-	W	1.771	-	-	1.971	-	W	2.204	-	W	1.806
Arkansas												
March 2019	-	-	1.791	-	-	1.939	-	-	2.072	-	-	1.815
February 2019	-	-	1.523	-	-	1.677	-	-	1.768	-	-	1.544
March 2018	-	-	1.790	-	-	1.956	-	-	2.103	-	-	1.814
Louisiana												
March 2019	-	W	1.735	-	-	1.909	-	-	2.004	-	W	1.756
February 2019	-	W	1.482	-	-	1.630	-	-	1.763	-	W	1.516
March 2018	-	W	1.761	-	-	1.902	-	-	2.003	-	W	1.782
Mississippi												
March 2019	-	-	1.736	-	-	2.017	-	-	2.199	-	-	1.758
February 2019	-	-	1.494	-	-	1.681	-	-	1.890	-	-	1.514
March 2018	-	-	1.787	-	-	1.983	-	-	2.177	-	-	1.811
New Mexico												
March 2019	2.098	W	1.813	2.350	-	1.950	W	W	2.165	2.167	W	1.856
February 2019	1.901	W	1.537	2.040	-	1.642	W	W	1.867	1.944	W	1.576
March 2018	1.984	W	1.848	2.166	-	1.985	W	W	2.198	2.037	W	1.890
Texas												
March 2019	W	W	1.797	W	W	1.945	W	W	2.065	W	W	1.823
February 2019	W	W	1.514	W	W	1.620	W	-	1.728	W	W	1.536
March 2018	W	W	1.797	W	-	1.908	W	-	2.050	W	W	1.820

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													
March 2019	W	1.830	1.691	W	W	1.892	2.384	W	2.025	W	1.915	1.753	
February 2019	W	1.574	1.404	W	W	1.603	2.199	W	1.734	W	1.692	1.466	
March 2018	W	1.929	1.798	2.251	W	1.980	2.533	W	2.128	W	1.990	1.859	
Colorado													
March 2019	W	1.950	1.748	2.267	W	1.910	W	W	2.151	2.131	2.034	1.820	
February 2019	W	1.706	1.426	1.966	W	1.582	W	W	1.810	1.820	1.838	1.495	
March 2018	W	2.017	1.802	2.269	W	1.929	W	W	2.191	2.130	2.043	1.871	
Idaho													
March 2019	W	W	1.687	W	W	1.908	W	W	1.943	W	W	1.727	
February 2019	W	W	1.424	W	W	1.630	W	W	1.684	W	W	1.464	
March 2018	W	W	1.885	W	W	2.044	W	W	2.127	W	W	1.921	
Montana													
March 2019	W	W	1.722	W	W	W	W	W	2.178	W	W	1.801	
February 2019	W	W	1.467	W	W	W	W	W	1.925	W	W	1.545	
March 2018	W	W	1.817	W	W	W	W	NA	2.289	W	W	1.896	
Utah													
March 2019	W	W	1.611	W	W	1.893	W	-	1.851	W	W	1.669	
February 2019	W	W	1.368	W	W	1.649	W	-	1.608	W	W	1.426	
March 2018	W	W	1.775	W	W	2.038	W	-	2.014	W	W	1.832	
Wyoming													
March 2019	W	W	1.617	W	-	1.792	W	-	W	W	W	1.672	
February 2019	W	W	1.286	W	-	1.447	W	-	W	W	W	1.346	
March 2018	W	W	1.690	W	-	1.829	W	-	W	W	W	1.745	
PAD District 5													
March 2019	2.500	2.132	2.140	2.722	2.500	2.308	2.862	2.333	2.407	2.589	2.153	2.193	
February 2019	2.375	1.867	1.903	2.593	W	2.131	2.736	2.058	2.200	2.463	1.887	1.961	
March 2018	2.557	2.253	2.148	2.762	W	2.346	2.903	2.502	2.434	2.640	2.281	2.202	
Alaska													
March 2019	W	W	W	W	-	W	W	W	2.294	W	W	W	
February 2019	W	W	W	W	-	W	W	W	1.977	W	W	W	
March 2018	W	W	W	W	-	W	W	W	2.549	W	W	W	
Arizona													
March 2019	W	W	1.968	W	W	2.135	W	W	2.209	W	W	1.999	
February 2019	W	W	1.705	W	-	1.904	W	W	1.932	W	W	1.734	
March 2018	W	W	1.952	W	W	2.126	W	W	2.173	W	W	1.980	
California													
March 2019	2.606	W	2.283	2.787	W	2.413	2.906	-	2.498	2.687	W	2.332	
February 2019	2.473	2.025	2.076	2.651	-	2.242	2.777	-	2.311	2.555	2.025	2.129	
March 2018	2.635	W	2.253	2.812	W	2.404	2.936	-	2.514	2.715	W	2.308	
Hawaii													
March 2019	W	W	W	W	W	W	W	W	W	W	W	W	
February 2019	W	W	W	W	W	W	W	W	W	W	W	W	
March 2018	W	W	W	W	W	W	W	W	W	W	W	W	
Nevada													
March 2019	W	W	1.955	W	-	2.128	W	-	2.178	W	W	2.001	
February 2019	W	W	1.837	W	-	2.099	W	-	2.086	W	W	1.889	
March 2018	W	W	2.009	W	-	2.145	W	-	2.227	W	W	2.055	
Oregon													
March 2019	2.319	-	1.937	2.511	-	2.150	2.628	-	2.224	2.369	-	1.973	
February 2019	2.193	-	1.563	2.418	-	1.779	2.544	-	1.867	2.249	-	1.597	
March 2018	2.461	-	2.063	2.656	-	2.257	2.775	-	2.336	2.508	-	2.097	
Washington													
March 2019	2.139	W	1.906	2.365	W	2.139	2.532	W	2.223	2.200	W	1.960	
February 2019	1.967	W	1.547	2.204	W	1.764	2.376	W	1.867	2.029	W	1.600	
March 2018	2.288	W	2.013	2.503	W	2.236	2.648	W	2.335	2.347	W	2.065	

- = 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 2018 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						
March 2019	W	2.874	2.005	1.960	W	2.087
February 2019	W	2.527	1.956	1.925	W	2.111
March 2018	W	2.904	1.924	1.893	W	1.969
PAD District 1						
March 2019	W	2.930	2.005	1.988	W	2.213
February 2019	W	2.599	1.962	1.965	W	2.149
March 2018	W	2.951	1.911	1.913	W	2.156
Subdistrict 1A						
March 2019	-	W	2.083	2.008	W	-
February 2019	-	W	2.066	1.994	W	W
March 2018	-	W	1.994	1.924	W	-
Connecticut						
March 2019	-	-	W	W	-	-
February 2019	-	-	W	W	-	W
March 2018	-	-	W	W	-	-
Maine						
March 2019	-	W	W	W	-	-
February 2019	-	W	W	W	-	-
March 2018	-	W	W	W	-	-
Massachusetts						
March 2019	-	-	2.037	2.000	W	-
February 2019	-	-	W	1.987	W	-
March 2018	-	-	1.953	1.919	W	-
New Hampshire						
March 2019	-	-	W	W	W	-
February 2019	-	-	W	W	W	-
March 2018	-	-	W	W	W	-
Rhode Island						
March 2019	-	-	W	W	W	-
February 2019	-	-	W	W	W	-
March 2018	-	-	W	W	W	-
Vermont						
March 2019	-	-	W	W	-	-
February 2019	-	-	W	W	-	-
March 2018	-	-	W	W	-	-
Subdistrict 1B						
March 2019	W	2.964	2.005	1.973	W	2.180
February 2019	-	2.652	1.979	1.958	W	2.122
March 2018	-	W	1.908	1.899	W	2.138
Delaware						
March 2019	-	-	-	W	W	-
February 2019	-	-	-	-	W	-
March 2018	-	-	-	-	W	-
District of Columbia						
March 2019	-	-	-	-	-	-
February 2019	-	-	-	-	-	-
March 2018	-	-	-	-	-	-
Maryland						
March 2019	-	-	W	W	-	W
February 2019	-	-	W	W	-	W
March 2018	-	-	W	1.898	-	W
New Jersey						
March 2019	-	W	1.991	1.983	W	W
February 2019	-	-	1.965	1.959	W	W
March 2018	-	-	1.890	1.900	W	2.084
New York						
March 2019	W	W	2.019	2.061	W	W
February 2019	-	W	1.992	2.043	W	2.246
March 2018	-	W	1.932	1.964	W	2.190
Pennsylvania						
March 2019	-	W	W	1.953	W	W
February 2019	-	W	W	1.954	3.132	2.907
March 2018	-	W	W	1.893	W	2.939

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						
March 2019	W	2.915	2.000	2.014	W	2.458
February 2019	W	2.581	1.942	1.975	W	2.210
March 2018	W	2.909	1.907	1.942	W	W
Florida						
March 2019	-	2.868	2.014	2.009	W	-
February 2019	-	2.553	1.952	1.979	W	-
March 2018	-	2.856	1.910	1.948	W	NA
Georgia						
March 2019	W	W	W	1.993	-	W
February 2019	W	W	W	1.959	-	W
March 2018	W	W	W	1.925	-	W
North Carolina						
March 2019	-	W	W	2.095	W	W
February 2019	-	W	W	1.959	W	2.272
March 2018	-	W	W	1.911	W	W
South Carolina						
March 2019	-	-	W	1.994	W	W
February 2019	-	-	W	1.961	W	W
March 2018	-	-	W	1.929	W	W
Virginia						
March 2019	-	W	1.961	W	-	W
February 2019	-	W	1.914	W	-	W
March 2018	-	W	1.886	W	-	-
West Virginia						
March 2019	-	-	W	W	W	-
February 2019	-	-	W	W	W	-
March 2018	-	-	W	W	W	-
PAD District 2						
March 2019	W	2.888	1.997	1.976	W	2.586
February 2019	W	2.423	1.950	1.951	W	2.721
March 2018	W	2.869	1.900	1.908	W	2.620
Illinois						
March 2019	W	W	2.015	W	W	W
February 2019	W	W	1.949	W	W	W
March 2018	W	W	1.898	W	W	W
Indiana						
March 2019	-	-	1.979	1.988	W	3.057
February 2019	-	-	1.941	1.970	W	2.971
March 2018	-	-	1.876	1.907	W	2.806
Iowa						
March 2019	-	-	W	2.028	-	W
February 2019	-	-	W	2.011	-	-
March 2018	-	-	W	1.963	-	-
Kansas						
March 2019	W	W	W	W	-	W
February 2019	W	W	W	W	-	W
March 2018	W	W	W	W	-	W
Kentucky						
March 2019	-	W	1.982	1.976	W	W
February 2019	-	W	1.948	W	W	W
March 2018	-	W	1.894	1.883	W	W
Michigan						
March 2019	-	-	W	1.949	W	W
February 2019	-	-	W	1.910	W	W
March 2018	W	-	1.915	1.873	W	W
Minnesota						
March 2019	W	W	W	1.957	W	W
February 2019	W	W	W	1.944	W	W
March 2018	-	W	W	W	W	W
Missouri						
March 2019	W	-	W	W	-	-
February 2019	W	-	W	W	-	-
March 2018	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						
March 2019	W	-	W	W	-	-
February 2019	W	-	W	W	-	-
March 2018	W	-	W	W	-	-
North Dakota						
March 2019	-	-	W	W	NA	W
February 2019	-	-	W	W	NA	W
March 2018	-	-	W	W	-	-
Ohio						
March 2019	-	W	2.018	1.945	W	W
February 2019	-	W	1.998	1.921	W	W
March 2018	W	W	1.924	1.866	W	W
Oklahoma						
March 2019	-	-	W	2.025	-	W
February 2019	-	-	W	1.962	-	W
March 2018	W	-	W	1.945	-	W
South Dakota						
March 2019	-	-	W	-	-	-
February 2019	-	-	W	-	-	-
March 2018	-	-	W	-	-	-
Tennessee						
March 2019	-	W	W	1.988	W	W
February 2019	-	W	W	1.944	W	W
March 2018	-	W	W	1.917	W	W
Wisconsin						
March 2019	-	-	2.037	2.020	W	W
February 2019	-	-	2.002	1.974	W	W
March 2018	-	-	W	W	W	W
PAD District 3						
March 2019	W	2.719	1.985	1.923	-	1.953
February 2019	W	2.321	1.934	1.875	-	1.955
March 2018	W	2.709	1.894	1.857	-	1.879
Alabama						
March 2019	-	W	2.002	1.951	-	W
February 2019	-	W	1.962	1.940	-	W
March 2018	-	W	1.920	1.910	-	W
Arkansas						
March 2019	-	-	W	2.059	-	-
February 2019	-	W	W	2.005	-	-
March 2018	W	-	W	1.993	-	-
Louisiana						
March 2019	-	2.738	1.951	1.912	-	W
February 2019	-	2.459	1.885	1.875	-	W
March 2018	-	2.692	1.881	1.848	-	W
Mississippi						
March 2019	-	W	1.921	1.917	-	W
February 2019	-	W	1.902	1.860	-	W
March 2018	-	W	NA	1.854	-	W
New Mexico						
March 2019	W	-	W	W	-	-
February 2019	W	-	W	W	-	-
March 2018	W	-	W	W	-	-
Texas						
March 2019	-	W	2.008	1.929	-	2.325
February 2019	W	2.308	1.955	1.875	-	2.319
March 2018	W	W	1.901	1.860	-	W

See footnotes at end of table.

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

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
March 2019	W	W	2.084	2.067	-	-
February 2019	W	W	2.032	2.001	-	-
March 2018	W	W	1.982	1.953	-	-
Colorado						
March 2019	W	-	W	2.030	-	-
February 2019	W	-	W	1.955	-	-
March 2018	W	-	1.923	1.936	-	-
Idaho						
March 2019	-	-	W	2.183	-	-
February 2019	-	-	2.120	2.154	-	-
March 2018	-	-	W	2.088	-	-
Montana						
March 2019	-	W	W	W	-	-
February 2019	W	W	W	W	-	-
March 2018	-	W	W	W	-	-
Utah						
March 2019	-	W	2.097	2.147	-	-
February 2019	-	W	2.078	2.103	-	-
March 2018	W	W	1.972	1.982	-	-
Wyoming						
March 2019	-	-	W	W	-	-
February 2019	-	-	W	W	-	-
March 2018	-	-	W	W	-	-
PAD District 5						
March 2019	W	3.051	2.012	1.995	-	W
February 2019	W	2.765	1.960	1.973	-	W
March 2018	W	3.238	1.952	1.934	NA	W
Alaska						
March 2019	W	W	W	W	-	-
February 2019	W	W	1.986	W	-	-
March 2018	W	W	W	W	-	-
Arizona						
March 2019	W	W	W	2.058	-	-
February 2019	W	W	W	W	-	-
March 2018	W	W	2.000	1.973	-	-
California						
March 2019	W	3.014	2.001	1.986	-	W
February 2019	-	2.806	1.960	1.964	-	W
March 2018	-	3.194	1.933	1.919	-	W
Hawaii						
March 2019	-	-	W	W	-	-
February 2019	-	-	W	W	-	-
March 2018	-	W	W	W	-	-
Nevada						
March 2019	-	-	W	W	-	-
February 2019	-	-	W	W	-	-
March 2018	-	-	W	W	-	-
Oregon						
March 2019	-	3.059	2.054	2.054	-	-
February 2019	-	W	2.005	W	-	-
March 2018	-	W	W	W	-	-
Washington						
March 2019	-	W	2.004	1.978	-	-
February 2019	-	W	1.952	1.977	-	-
March 2018	-	W	1.949	1.938	NA	-

- = 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 2018 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						
March 2019	2.503	2.389	2.159	2.015	-	W
February 2019	2.401	2.246	2.082	1.946	-	W
March 2018	2.566	2.209	2.078	1.946	-	W
PAD District 1						
March 2019	-	2.490	2.217	2.003	-	-
February 2019	-	W	2.165	1.959	-	-
March 2018	-	2.298	2.162	1.936	-	-
Subdistrict 1A						
March 2019	-	-	W	2.030	-	-
February 2019	-	-	W	1.984	-	-
March 2018	-	-	W	1.946	-	-
Connecticut						
March 2019	-	-	W	2.015	-	-
February 2019	-	-	W	1.967	-	-
March 2018	-	-	W	1.938	-	-
Maine						
March 2019	-	-	-	2.084	-	-
February 2019	-	-	-	2.023	-	-
March 2018	-	-	-	W	-	-
Massachusetts						
March 2019	-	-	W	2.039	-	-
February 2019	-	-	W	1.985	-	-
March 2018	-	-	W	1.944	-	-
New Hampshire						
March 2019	-	-	W	W	-	-
February 2019	-	-	W	W	-	-
March 2018	-	-	W	W	-	-
Rhode Island						
March 2019	-	-	W	NA	-	-
February 2019	-	-	W	1.967	-	-
March 2018	-	-	W	1.936	-	-
Vermont						
March 2019	-	-	-	W	-	-
February 2019	-	-	-	W	-	-
March 2018	-	-	W	W	-	-
Subdistrict 1B						
March 2019	-	2.450	W	1.991	-	-
February 2019	-	W	W	1.941	-	-
March 2018	-	W	W	1.912	-	-
Delaware						
March 2019	-	-	W	1.989	-	-
February 2019	-	-	W	2.001	-	-
March 2018	-	-	W	1.904	-	-
District of Columbia						
March 2019	-	-	-	W	-	-
February 2019	-	-	-	W	-	-
March 2018	-	-	-	W	-	-
Maryland						
March 2019	-	-	W	1.998	-	-
February 2019	-	-	W	1.951	-	-
March 2018	-	-	W	1.914	-	-
New Jersey						
March 2019	-	-	2.241	1.989	-	-
February 2019	-	-	2.193	1.937	-	-
March 2018	-	-	2.175	1.908	-	-
New York						
March 2019	-	W	2.376	2.043	-	-
February 2019	-	W	2.349	1.973	-	-
March 2018	-	W	2.334	1.968	-	-
Pennsylvania						
March 2019	-	W	2.283	1.980	-	-
February 2019	-	W	2.192	1.933	-	-
March 2018	-	W	2.154	1.898	-	-

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						
March 2019	-	W	2.163	2.014	-	-
February 2019	-	W	2.114	1.979	-	-
March 2018	-	W	2.129	1.960	-	-
Florida						
March 2019	-	-	2.205	2.047	-	-
February 2019	-	-	2.155	2.012	-	-
March 2018	-	-	2.142	2.000	-	-
Georgia						
March 2019	-	W	2.054	1.990	-	-
February 2019	-	W	1.997	1.949	-	-
March 2018	-	W	1.956	1.944	-	-
North Carolina						
March 2019	-	-	2.174	1.998	-	-
February 2019	-	-	2.121	1.964	-	-
March 2018	-	-	2.183	1.933	-	-
South Carolina						
March 2019	-	-	W	1.994	-	-
February 2019	-	-	2.228	1.967	-	-
March 2018	-	-	W	1.941	-	-
Virginia						
March 2019	-	-	W	2.002	-	-
February 2019	-	-	W	1.961	-	-
March 2018	-	-	1.938	1.934	-	-
West Virginia						
March 2019	-	-	W	2.033	-	-
February 2019	-	-	W	2.028	-	-
March 2018	-	-	W	1.944	-	-
PAD District 2						
March 2019	2.766	2.496	2.135	2.023	-	-
February 2019	2.489	2.317	2.057	1.955	-	-
March 2018	2.473	2.149	2.070	1.940	-	W
Illinois						
March 2019	-	W	2.238	2.002	-	-
February 2019	W	2.602	2.166	1.939	-	-
March 2018	W	W	W	1.885	-	-
Indiana						
March 2019	-	W	W	2.016	-	-
February 2019	-	W	W	1.937	-	-
March 2018	-	W	W	1.895	-	-
Iowa						
March 2019	-	2.461	2.231	2.064	-	-
February 2019	W	2.264	2.172	1.983	-	-
March 2018	-	2.113	2.041	2.002	-	-
Kansas						
March 2019	-	2.420	W	2.037	-	-
February 2019	-	2.264	1.932	1.956	-	-
March 2018	-	2.075	W	1.978	-	-
Kentucky						
March 2019	W	W	2.118	2.057	-	-
February 2019	-	W	2.054	2.009	-	-
March 2018	W	W	W	1.945	-	W
Michigan						
March 2019	W	3.023	2.250	2.027	-	-
February 2019	W	2.969	2.166	1.969	-	-
March 2018	W	W	W	1.910	-	-
Minnesota						
March 2019	W	2.438	2.133	2.040	-	-
February 2019	2.439	2.285	2.051	1.959	-	-
March 2018	W	2.068	2.100	1.992	-	-
Missouri						
March 2019	W	2.454	2.075	2.047	-	-
February 2019	W	2.263	1.957	1.976	-	-
March 2018	-	2.128	W	1.984	-	-

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						
March 2019	W	2.490	W	2.078	-	-
February 2019	W	2.319	W	1.998	-	-
March 2018	W	2.104	W	2.012	-	-
North Dakota						
March 2019	W	2.434	W	2.011	-	-
February 2019	W	2.181	W	1.931	-	-
March 2018	W	2.056	W	1.980	-	-
Ohio						
March 2019	-	W	2.205	2.014	-	-
February 2019	-	W	2.131	1.967	-	-
March 2018	-	W	W	1.903	-	-
Oklahoma						
March 2019	-	W	2.073	2.001	-	-
February 2019	-	2.104	2.012	1.916	-	-
March 2018	-	W	NA	1.969	-	-
South Dakota						
March 2019	W	2.511	W	2.084	-	-
February 2019	W	2.294	2.258	2.008	-	-
March 2018	W	2.154	W	2.035	-	-
Tennessee						
March 2019	-	W	2.150	2.005	-	-
February 2019	-	W	2.075	1.965	-	-
March 2018	-	W	2.101	1.950	-	-
Wisconsin						
March 2019	W	2.476	2.208	2.053	-	-
February 2019	W	2.338	2.132	1.990	-	-
March 2018	W	2.109	2.253	1.932	-	-
PAD District 3						
March 2019	-	W	2.065	1.971	-	W
February 2019	-	W	1.986	1.912	-	W
March 2018	-	-	1.966	1.905	-	W
Alabama						
March 2019	-	-	2.029	1.985	-	-
February 2019	-	-	2.005	1.942	-	-
March 2018	-	-	1.966	1.934	-	-
Arkansas						
March 2019	-	-	W	2.022	-	-
February 2019	-	-	W	1.962	-	-
March 2018	-	-	W	1.960	-	-
Louisiana						
March 2019	-	-	2.086	1.936	-	-
February 2019	-	-	2.068	1.860	-	-
March 2018	-	-	2.030	1.880	-	-
Mississippi						
March 2019	-	-	W	1.961	-	-
February 2019	-	-	W	1.935	-	-
March 2018	-	-	W	1.860	-	-
New Mexico						
March 2019	-	-	2.253	2.102	-	-
February 2019	-	-	2.112	2.012	-	-
March 2018	-	-	2.069	2.067	-	-
Texas						
March 2019	-	W	2.034	1.979	-	W
February 2019	-	W	1.960	1.923	-	W
March 2018	-	-	1.947	1.910	-	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						
March 2019	2.615	2.378	2.041	2.062	-	-
February 2019	2.401	2.210	1.961	1.874	-	-
March 2018	W	2.254	2.065	2.041	-	-
Colorado						
March 2019	W	2.383	2.095	2.071	-	-
February 2019	W	2.237	1.949	1.925	-	-
March 2018	-	2.239	2.066	2.015	-	-
Idaho						
March 2019	W	2.451	2.021	2.032	-	-
February 2019	W	2.289	1.985	1.850	-	-
March 2018	W	2.324	2.262	2.036	-	-
Montana						
March 2019	W	2.297	W	2.023	-	-
February 2019	W	2.147	2.066	1.852	-	-
March 2018	W	2.138	W	2.001	-	-
Utah						
March 2019	W	2.555	1.960	2.042	-	-
February 2019	W	2.330	1.913	1.833	-	-
March 2018	-	W	2.055	2.083	-	-
Wyoming						
March 2019	W	2.426	2.054	2.137	-	-
February 2019	W	2.218	1.971	1.887	-	-
March 2018	NA	2.347	1.997	2.058	-	-
PAD District 5						
March 2019	W	2.223	2.331	2.122	-	-
February 2019	W	2.152	2.235	2.017	-	-
March 2018	W	2.303	2.182	2.074	-	-
Alaska						
March 2019	W	W	W	W	-	-
February 2019	W	W	W	W	-	-
March 2018	W	W	W	W	-	-
Arizona						
March 2019	-	-	2.215	2.070	-	-
February 2019	-	-	2.162	1.956	-	-
March 2018	-	-	2.100	2.055	-	-
California						
March 2019	-	-	2.398	2.189	-	-
February 2019	-	-	2.303	2.065	-	-
March 2018	-	-	2.201	2.078	-	-
Hawaii						
March 2019	-	-	W	W	-	-
February 2019	-	-	W	W	-	-
March 2018	-	-	W	W	-	-
Nevada						
March 2019	-	-	W	2.058	-	-
February 2019	-	-	2.026	1.930	-	-
March 2018	-	-	2.190	2.047	-	-
Oregon						
March 2019	-	W	W	2.007	-	-
February 2019	-	W	W	1.969	-	-
March 2018	-	NA	NA	2.108	-	-
Washington						
March 2019	W	W	2.061	1.965	-	-
February 2019	W	W	2.017	1.911	-	-
March 2018	W	W	2.150	2.052	-	-

- = 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 2018 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										
March 2019	19,855.5	20,133.0	16,756.4	229,454.9	15,135.2	1,657.9	1,668.2	185.0	1,598.9	-
February 2019	19,208.6	19,491.9	16,432.9	222,834.2	15,885.0	1,604.4	1,614.3	190.4	1,533.5	-
March 2018	19,741.8	20,000.0	17,348.3	231,319.8	20,368.6	1,669.8	1,685.3	248.5	1,828.0	-
PAD District 1										
March 2019	6,387.8	6,466.7	W	W	4,063.2	573.9	577.3	W	W	-
February 2019	6,212.1	6,298.9	W	W	4,843.9	554.2	557.1	W	W	-
March 2018	6,321.4	6,358.3	W	W	3,777.5	563.8	566.7	W	W	-
Subdistrict 1A										
March 2019	W	W	W	W	W	W	W	-	28.5	-
February 2019	W	W	W	W	W	W	W	-	31.6	-
March 2018	W	W	W	W	W	W	W	-	28.5	-
Connecticut										
March 2019	-	W	-	W	W	-	-	-	9.6	-
February 2019	-	W	-	W	W	-	-	-	8.5	-
March 2018	-	W	-	W	W	-	-	-	11.6	-
Maine										
March 2019	-	-	-	W	-	-	-	-	W	-
February 2019	-	-	-	W	-	-	-	-	W	-
March 2018	-	-	W	561.1	-	-	-	-	W	-
Massachusetts										
March 2019	W	W	-	1,297.6	-	W	W	-	6.2	-
February 2019	W	W	-	1,241.9	-	W	W	-	6.7	-
March 2018	W	W	-	1,001.1	-	W	W	-	4.7	-
New Hampshire										
March 2019	W	W	W	W	-	W	W	-	-	-
February 2019	W	W	W	W	-	W	W	-	-	-
March 2018	W	W	W	W	-	W	W	-	-	-
Rhode Island										
March 2019	W	W	-	870.2	-	W	W	-	W	-
February 2019	W	W	-	884.9	-	W	W	-	W	-
March 2018	W	W	-	985.8	-	W	W	-	W	-
Vermont										
March 2019	-	-	W	W	-	-	-	-	W	-
February 2019	-	-	W	W	-	-	-	-	0.2	-
March 2018	-	-	W	W	-	-	-	-	W	-
Subdistrict 1B										
March 2019	3,378.2	3,378.2	W	21,073.3	W	353.2	353.2	W	W	-
February 2019	3,288.0	3,288.0	W	20,461.5	W	340.9	340.9	W	W	-
March 2018	3,153.5	3,153.5	W	20,863.9	W	335.6	335.6	W	W	-
Delaware										
March 2019	W	W	-	904.5	-	W	W	-	7.8	-
February 2019	W	W	-	863.6	-	W	W	-	5.9	-
March 2018	W	W	-	1,091.9	-	W	W	-	10.0	-
District of Columbia										
March 2019	-	-	-	-	-	-	-	-	-	-
February 2019	-	-	-	-	-	-	-	-	-	-
March 2018	-	-	-	-	-	-	-	-	-	-
Maryland										
March 2019	-	-	-	3,710.0	-	-	-	-	39.7	-
February 2019	-	-	-	3,592.8	-	-	-	-	38.0	-
March 2018	-	-	-	W	W	-	-	-	46.7	-
New Jersey										
March 2019	W	W	W	6,701.6	W	W	W	W	W	-
February 2019	W	W	W	6,860.6	W	W	W	W	W	-
March 2018	W	W	W	W	1,076.6	W	W	W	W	-
New York										
March 2019	2,108.1	2,108.1	W	W	W	228.8	228.8	W	W	-
February 2019	2,074.2	2,074.2	W	W	W	221.7	221.7	W	W	-
March 2018	1,917.2	1,917.2	W	W	W	214.8	214.8	W	W	-
Pennsylvania										
March 2019	W	W	-	W	W	W	W	-	17.9	-
February 2019	W	W	-	W	W	W	W	-	16.7	-
March 2018	W	W	-	W	W	W	W	-	23.0	-

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
United States										
March 2019	2,509.9	2,537.7	4,621.4	28,422.5	1,541.5	24,023.4	24,338.9	21,562.7	259,476.4	16,676.7
February 2019	2,434.4	2,460.3	4,635.9	27,749.0	2,297.8	23,247.4	23,566.5	21,259.1	252,116.7	18,182.8
March 2018	2,434.9	2,457.4	4,700.3	28,748.1	1,712.3	23,846.6	24,142.7	22,297.1	261,895.9	22,080.9
PAD District 1										
March 2019	837.0	850.3	W	9,046.4	W	7,798.7	7,894.3	W	78,076.9	W
February 2019	826.5	840.1	W	8,640.0	W	7,592.7	7,696.2	W	75,185.5	W
March 2018	799.9	805.7	W	9,092.7	W	7,685.2	7,730.7	W	77,514.9	W
Subdistrict 1A										
March 2019	W	W	W	W	W	W	W	W	5,995.5	W
February 2019	W	W	W	W	W	W	W	W	5,934.9	W
March 2018	W	W	W	W	W	W	W	W	5,454.3	W
Connecticut										
March 2019	-	-	-	W	W	-	W	-	W	W
February 2019	-	-	-	W	W	-	W	-	W	W
March 2018	-	-	-	W	W	-	W	-	W	W
Maine										
March 2019	-	-	W	W	-	-	-	W	W	-
February 2019	-	-	-	W	-	-	-	-	657.5	-
March 2018	-	-	W	W	-	-	-	W	W	-
Massachusetts										
March 2019	W	W	-	199.3	-	W	W	-	1,503.1	-
February 2019	W	W	-	196.8	-	W	W	-	1,445.4	-
March 2018	W	W	-	157.6	-	W	W	-	1,163.4	-
New Hampshire										
March 2019	W	W	W	W	-	W	W	W	W	-
February 2019	W	W	W	W	-	W	W	W	W	-
March 2018	W	W	W	W	-	W	W	W	W	-
Rhode Island										
March 2019	W	W	-	W	-	W	W	-	1,016.8	-
February 2019	W	W	-	W	-	W	W	-	1,033.5	-
March 2018	W	W	-	W	-	W	W	-	1,137.5	-
Vermont										
March 2019	-	-	W	W	-	-	-	W	W	-
February 2019	-	-	W	W	-	-	-	W	W	-
March 2018	-	-	W	W	-	-	-	W	W	-
Subdistrict 1B										
March 2019	549.0	549.0	W	W	W	4,280.3	4,280.3	W	24,074.6	W
February 2019	543.5	543.5	W	W	W	4,172.4	4,172.4	W	23,385.5	W
March 2018	507.2	507.2	W	W	327.1	3,996.3	3,996.3	W	23,848.7	W
Delaware										
March 2019	W	W	-	94.0	-	W	W	-	1,006.4	-
February 2019	W	W	-	93.1	-	W	W	-	962.6	-
March 2018	W	W	-	109.1	-	W	W	-	1,211.0	-
District of Columbia										
March 2019	-	-	-	-	-	-	-	-	-	-
February 2019	-	-	-	-	-	-	-	-	-	-
March 2018	-	-	-	-	-	-	-	-	-	-
Maryland										
March 2019	-	-	-	613.6	-	-	-	-	4,363.4	-
February 2019	-	-	-	603.7	-	-	-	-	4,234.6	-
March 2018	-	-	-	593.5	-	-	-	-	W	W
New Jersey										
March 2019	W	W	W	954.3	W	W	W	W	W	1,725.8
February 2019	W	W	W	970.0	W	W	W	W	W	1,859.5
March 2018	W	W	W	900.7	W	W	W	W	7,320.4	W
New York										
March 2019	359.7	359.7	W	W	W	2,696.6	2,696.6	W	5,595.8	W
February 2019	356.8	356.8	W	W	W	2,652.6	2,652.6	W	5,453.5	W
March 2018	327.4	327.4	W	780.8	W	2,459.4	2,459.4	W	5,706.0	W
Pennsylvania										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	W	W	W	W	-	W	W
March 2018	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										
March 2019	W	W	-	W	W	W	W	-	409.8	-
February 2019	W	W	-	W	W	W	W	-	380.9	-
March 2018	W	W	-	42,253.4	270.3	W	W	-	447.2	-
Florida										
March 2019	W	W	-	W	W	W	W	-	141.2	-
February 2019	W	W	-	W	W	W	W	-	124.6	-
March 2018	W	W	-	13,966.5	-	W	W	-	135.6	-
Georgia										
March 2019	W	W	-	8,222.5	-	W	W	-	52.2	-
February 2019	W	W	-	7,891.3	-	W	W	-	48.6	-
March 2018	W	W	-	8,295.0	-	W	W	-	59.1	-
North Carolina										
March 2019	W	W	-	W	W	W	W	-	105.3	-
February 2019	W	W	-	W	W	W	W	-	100.5	-
March 2018	W	W	-	W	W	W	W	-	120.6	-
South Carolina										
March 2019	W	W	-	4,214.1	-	W	W	-	32.6	-
February 2019	W	W	-	4,017.6	-	W	W	-	32.8	-
March 2018	W	W	-	4,207.9	-	W	W	-	38.8	-
Virginia										
March 2019	-	-	-	W	W	-	-	-	70.9	-
February 2019	-	-	-	W	W	-	-	-	68.7	-
March 2018	-	-	-	W	W	-	-	-	86.3	-
West Virginia										
March 2019	W	W	-	W	W	W	W	-	7.6	-
February 2019	W	W	-	W	W	W	W	-	5.7	-
March 2018	W	W	-	W	W	W	W	-	6.7	-
PAD District 2										
March 2019	W	W	-	74,500.4	205.7	W	W	-	445.5	-
February 2019	W	W	-	71,619.5	779.4	W	W	-	451.0	-
March 2018	W	W	W	W	649.6	313.8	317.5	W	W	-
Illinois										
March 2019	W	W	-	W	W	W	W	-	61.0	-
February 2019	W	W	-	W	W	W	W	-	61.6	-
March 2018	W	W	-	W	W	W	W	-	83.2	-
Indiana										
March 2019	W	W	-	5,768.3	-	W	W	-	18.7	-
February 2019	W	W	-	W	W	W	W	-	17.0	-
March 2018	W	W	-	5,561.1	-	W	W	-	23.8	-
Iowa										
March 2019	-	W	-	2,250.2	-	-	-	-	47.6	-
February 2019	-	W	-	2,236.7	-	-	-	-	52.2	-
March 2018	-	W	-	2,227.0	-	-	-	-	56.4	-
Kansas										
March 2019	W	W	-	3,886.7	-	W	W	-	15.9	-
February 2019	W	W	-	W	W	W	W	-	15.2	-
March 2018	W	W	-	W	W	W	W	-	20.8	-
Kentucky										
March 2019	W	W	-	3,597.5	-	W	W	-	10.7	-
February 2019	W	W	-	W	W	W	W	-	9.9	-
March 2018	W	W	-	W	W	W	W	-	15.0	-
Michigan										
March 2019	W	W	-	W	W	W	W	-	11.7	-
February 2019	W	W	-	W	W	W	W	-	12.9	-
March 2018	W	W	-	9,452.0	-	W	W	-	11.9	-
Minnesota										
March 2019	W	W	-	4,371.1	-	W	W	-	64.0	-
February 2019	W	W	-	4,518.3	-	35.4	37.9	-	68.0	-
March 2018	W	W	W	4,192.5	W	W	W	W	W	-
Missouri										
March 2019	-	W	-	W	W	-	-	-	7.8	-
February 2019	-	W	-	W	W	-	-	-	12.5	-
March 2018	-	W	-	W	W	-	-	-	18.7	-

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
Subdistrict 1C										
March 2019	W	W	-	W	W	W	W	-	48,006.7	382.6
February 2019	W	W	-	W	W	W	W	-	45,865.2	426.9
March 2018	W	W	-	5,511.3	-	W	W	-	48,211.9	270.3
Florida										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	W	W	W	W	-	W	W
March 2018	W	W	-	2,145.4	-	W	W	-	16,247.5	-
Georgia										
March 2019	W	W	-	1,015.5	-	W	W	-	9,290.2	-
February 2019	W	W	-	952.9	-	W	W	-	8,892.9	-
March 2018	W	W	-	1,054.2	-	W	W	-	9,408.3	-
North Carolina										
March 2019	W	W	-	993.9	-	W	W	-	W	W
February 2019	W	W	-	W	W	W	W	-	W	W
March 2018	W	W	-	988.6	-	W	W	-	W	W
South Carolina										
March 2019	W	W	-	416.0	-	W	W	-	4,662.7	-
February 2019	W	W	-	393.4	-	W	W	-	4,443.8	-
March 2018	W	W	-	413.1	-	W	W	-	4,659.8	-
Virginia										
March 2019	-	-	-	841.5	-	-	-	-	W	W
February 2019	-	-	-	820.4	-	-	-	-	W	W
March 2018	-	-	-	880.1	-	-	-	-	W	W
West Virginia										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	26.9	-	W	W	-	W	W
March 2018	W	W	-	30.0	-	W	W	-	W	W
PAD District 2										
March 2019	W	W	-	6,085.3	355.7	W	W	-	81,031.2	561.5
February 2019	W	W	W	5,990.0	W	W	W	W	78,060.6	W
March 2018	W	420.9	W	6,099.6	W	W	W	W	80,959.7	W
Illinois										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	W	W	W	W	-	11,622.0	76.1
March 2018	W	W	-	W	W	W	W	-	W	W
Indiana										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	369.1	-	W	W	-	W	W
March 2018	W	W	-	390.7	-	W	W	-	5,975.7	-
Iowa										
March 2019	-	-	-	261.0	-	-	W	-	2,558.8	-
February 2019	-	-	-	230.6	-	-	W	-	2,519.5	-
March 2018	-	-	-	272.4	-	-	W	-	2,555.8	-
Kansas										
March 2019	-	-	-	W	W	W	W	-	W	W
February 2019	-	-	-	W	W	W	W	-	3,908.6	255.0
March 2018	-	-	-	W	W	W	W	-	4,209.4	189.7
Kentucky										
March 2019	W	W	-	213.1	-	W	W	-	3,821.3	-
February 2019	W	W	-	W	W	W	W	-	W	W
March 2018	W	W	-	222.3	-	W	W	-	W	W
Michigan										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	W	W	W	W	-	W	W
March 2018	W	W	-	W	W	W	W	-	W	W
Minnesota										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	W	W	W	819.5	-	W	W
March 2018	W	W	W	W	W	W	W	W	4,610.9	W
Missouri										
March 2019	-	-	-	W	W	-	W	-	W	W
February 2019	-	-	-	W	W	-	W	-	W	W
March 2018	-	-	-	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
PAD District 2 (cont.)										
Nebraska										
March 2019	W	W	-	1,426.8	-	W	W	-	21.9	-
February 2019	W	W	-	1,445.8	-	W	W	-	16.6	-
March 2018	W	W	-	1,509.1	-	W	W	-	22.0	-
North Dakota										
March 2019	W	W	-	802.2	-	W	W	-	15.8	-
February 2019	W	W	-	851.9	-	W	W	-	21.5	-
March 2018	W	W	-	786.5	-	W	W	-	19.1	-
Ohio										
March 2019	W	W	-	10,164.3	-	W	W	-	33.3	-
February 2019	W	W	-	9,340.6	-	W	W	-	33.5	-
March 2018	W	W	-	9,671.0	-	W	W	-	40.2	-
Oklahoma										
March 2019	W	W	-	3,882.5	-	W	W	-	6.1	-
February 2019	W	W	-	W	W	W	W	-	5.2	-
March 2018	W	W	-	W	W	W	W	-	5.9	-
South Dakota										
March 2019	W	W	-	782.0	-	W	W	-	17.5	-
February 2019	W	W	-	923.9	-	W	W	-	16.0	-
March 2018	W	W	-	905.5	-	W	W	-	19.7	-
Tennessee										
March 2019	W	W	-	8,968.2	-	W	W	-	77.8	-
February 2019	W	W	-	8,489.7	-	W	W	-	74.1	-
March 2018	W	W	-	9,393.1	-	W	W	-	74.6	-
Wisconsin										
March 2019	W	W	-	5,051.0	-	W	W	-	35.7	-
February 2019	W	W	-	5,001.0	-	W	W	-	34.8	-
March 2018	W	W	W	W	-	W	W	W	W	-
PAD District 3										
March 2019	950.4	979.0	W	W	9,354.2	93.2	93.4	W	W	-
February 2019	882.1	909.6	W	48,443.6	W	87.6	87.9	W	W	-
March 2018	955.8	983.9	W	W	W	95.9	95.9	W	W	-
Alabama										
March 2019	-	W	-	5,114.3	-	-	-	-	36.0	-
February 2019	-	W	-	4,806.6	-	-	-	-	34.1	-
March 2018	-	W	-	4,659.4	-	-	-	-	30.6	-
Arkansas										
March 2019	-	-	-	2,858.8	-	-	-	-	14.1	-
February 2019	-	-	-	2,756.6	-	-	-	-	11.7	-
March 2018	-	-	-	2,968.5	-	-	-	-	14.9	-
Louisiana										
March 2019	-	W	-	W	W	-	-	-	13.3	-
February 2019	-	W	-	W	W	-	-	-	12.5	-
March 2018	-	W	-	W	W	-	-	-	22.0	-
Mississippi										
March 2019	-	-	-	W	W	-	-	-	23.3	-
February 2019	-	-	-	W	W	-	-	-	17.6	-
March 2018	-	-	-	W	W	-	-	-	27.7	-
New Mexico										
March 2019	W	412.6	W	W	-	W	53.6	W	W	-
February 2019	W	364.6	W	W	-	W	W	W	W	-
March 2018	W	407.8	W	W	-	W	W	W	W	-
Texas										
March 2019	W	W	W	31,967.2	W	W	39.8	-	134.6	-
February 2019	W	528.9	W	31,427.0	W	W	W	-	119.3	-
March 2018	W	W	W	31,851.0	W	W	W	-	170.0	-

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
PAD District 2 (cont.)										
Nebraska										
March 2019	-	-	-	155.9	-	W	W	-	1,604.5	-
February 2019	-	-	-	139.7	-	W	W	-	1,602.0	-
March 2018	-	-	-	169.6	-	W	W	-	1,700.7	-
North Dakota										
March 2019	W	W	-	84.2	-	W	W	-	902.3	-
February 2019	W	W	-	96.5	-	W	W	-	969.9	-
March 2018	W	W	-	71.3	-	W	W	-	877.0	-
Ohio										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	-	W	W	W	W	-	W	W
March 2018	W	W	-	W	W	W	W	-	W	W
Oklahoma										
March 2019	W	W	-	W	W	W	W	-	W	W
February 2019	W	W	W	W	W	W	W	W	4,079.6	W
March 2018	W	W	-	W	W	W	W	-	4,496.5	474.2
South Dakota										
March 2019	W	W	-	78.4	-	W	W	-	878.0	-
February 2019	W	W	-	83.5	-	W	W	-	1,023.4	-
March 2018	W	W	-	80.2	-	W	W	-	1,005.5	-
Tennessee										
March 2019	W	W	-	790.6	-	W	W	-	9,836.6	-
February 2019	W	W	-	760.4	-	W	W	-	9,324.3	-
March 2018	W	W	-	870.9	-	W	W	-	10,338.6	-
Wisconsin										
March 2019	W	W	-	399.0	-	W	W	-	5,485.8	-
February 2019	W	W	-	480.2	-	W	W	-	5,516.0	-
March 2018	W	W	W	W	W	W	W	W	5,513.1	W
PAD District 3										
March 2019	88.8	93.7	W	W	494.9	1,132.5	1,166.1	W	W	9,849.1
February 2019	85.6	89.1	W	W	W	1,055.3	1,086.5	W	53,804.9	W
March 2018	91.1	96.0	W	5,324.3	W	1,142.8	1,175.9	W	55,567.3	W
Alabama										
March 2019	-	W	-	445.7	-	-	W	-	5,596.0	-
February 2019	-	W	-	418.0	-	-	W	-	5,258.7	-
March 2018	-	W	-	401.1	-	-	W	-	5,091.0	-
Arkansas										
March 2019	-	-	-	260.8	-	-	-	-	3,133.7	-
February 2019	-	-	-	255.9	-	-	-	-	3,024.3	-
March 2018	-	-	-	235.0	-	-	-	-	3,218.3	-
Louisiana										
March 2019	-	-	-	W	W	-	W	-	6,335.0	2,576.7
February 2019	-	-	-	W	W	-	W	-	6,071.4	2,769.6
March 2018	-	-	-	W	W	-	W	-	6,672.2	2,950.4
Mississippi										
March 2019	-	-	-	226.1	-	-	-	-	W	W
February 2019	-	-	-	200.3	-	-	-	-	W	W
March 2018	-	-	-	W	W	-	-	-	W	W
New Mexico										
March 2019	W	44.9	W	W	-	W	511.1	W	W	-
February 2019	W	W	W	W	-	W	457.8	W	W	-
March 2018	W	W	W	W	-	W	509.0	W	W	-
Texas										
March 2019	W	W	W	3,623.6	W	W	W	W	35,725.4	W
February 2019	W	W	W	3,602.0	W	W	609.9	W	35,148.2	W
March 2018	W	W	W	3,690.7	W	W	W	W	35,711.7	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										
March 2019	W	W	W	W	-	W	W	-	137.3	-
February 2019	W	W	W	W	W	W	W	-	124.0	-
March 2018	W	W	W	10,515.0	W	74.7	78.7	-	146.7	-
Colorado										
March 2019	W	140.4	W	W	-	40.2	41.2	-	53.3	-
February 2019	W	148.8	W	W	W	41.0	42.2	-	46.9	-
March 2018	W	155.6	W	W	W	43.2	45.9	-	55.3	-
Idaho										
March 2019	W	W	-	1,427.1	-	W	W	-	7.0	-
February 2019	W	W	-	1,370.7	-	W	W	-	6.0	-
March 2018	W	W	-	1,398.3	-	W	W	-	6.8	-
Montana										
March 2019	W	W	-	1,088.8	-	W	W	-	W	-
February 2019	W	W	-	1,065.7	-	W	W	-	W	-
March 2018	W	W	-	1,075.3	-	W	W	-	W	-
Utah										
March 2019	W	W	W	W	-	W	W	-	55.2	-
February 2019	W	W	W	W	-	W	W	-	51.7	-
March 2018	W	W	W	W	W	W	W	-	62.9	-
Wyoming										
March 2019	W	10.1	-	957.7	-	W	W	-	W	-
February 2019	W	9.5	-	887.0	-	W	W	-	W	-
March 2018	W	10.0	-	W	W	W	W	-	W	-
PAD District 5										
March 2019	4,355.2	4,416.2	15,252.4	26,099.0	1,512.1	618.5	619.3	W	W	-
February 2019	4,137.0	4,196.0	14,961.6	W	W	599.1	599.8	W	W	-
March 2018	4,222.8	4,294.5	15,883.8	28,660.0	3,097.5	621.5	626.5	235.2	301.0	-
Alaska										
March 2019	W	W	W	W	W	W	W	W	W	-
February 2019	W	W	W	377.9	W	W	W	W	W	-
March 2018	W	W	70.5	W	W	W	W	W	W	-
Arizona										
March 2019	W	W	W	3,879.9	W	W	W	W	W	-
February 2019	W	W	W	4,085.4	W	W	W	W	W	-
March 2018	W	W	W	4,632.9	W	W	W	W	W	-
California										
March 2019	3,169.4	3,170.4	11,220.1	12,703.3	1,105.4	530.3	530.5	120.2	149.3	-
February 2019	3,043.1	3,044.2	11,225.3	13,379.1	1,459.6	518.3	518.3	125.6	158.4	-
March 2018	3,059.8	3,061.1	11,824.3	14,352.7	1,802.4	526.9	527.0	147.5	192.7	-
Hawaii										
March 2019	W	W	W	W	W	W	W	W	W	-
February 2019	W	W	W	W	W	W	W	W	W	-
March 2018	W	W	W	W	W	W	W	W	W	-
Nevada										
March 2019	W	W	W	1,459.6	W	W	W	W	W	-
February 2019	W	W	W	1,281.6	W	W	W	W	W	-
March 2018	W	W	W	1,417.7	W	W	W	W	W	-
Oregon										
March 2019	85.2	85.2	721.2	2,686.8	-	5.7	5.7	W	W	-
February 2019	81.8	81.8	688.4	W	W	5.3	5.3	W	W	-
March 2018	92.7	92.7	W	2,718.8	W	6.1	6.1	W	W	-
Washington										
March 2019	352.7	356.9	W	4,874.7	W	31.5	31.6	W	W	-
February 2019	318.6	322.5	W	4,391.3	W	28.3	28.5	W	W	-
March 2018	316.3	322.7	W	4,918.7	W	30.2	30.5	W	W	-

See footnotes at end of table.

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

thousand gallons per day

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										
March 2019	W	W	W	W	-	W	W	W	W	-
February 2019	W	W	W	W	-	W	W	W	12,810.8	W
March 2018	W	68.2	W	2,302.4	W	W	W	W	12,964.1	W
Colorado										
March 2019	W	31.1	W	W	-	208.1	212.6	W	W	-
February 2019	W	32.0	W	W	-	218.3	222.9	W	W	W
March 2018	W	34.0	W	W	-	226.6	235.6	W	5,520.1	W
Idaho										
March 2019	W	W	-	254.0	-	W	W	-	1,688.1	-
February 2019	W	W	-	242.3	-	W	W	-	1,619.1	-
March 2018	W	W	-	237.6	-	W	W	-	1,642.7	-
Montana										
March 2019	W	W	-	W	-	W	W	-	1,325.0	-
February 2019	W	W	-	W	-	W	W	-	1,290.2	-
March 2018	W	W	-	W	-	W	W	-	1,300.1	-
Utah										
March 2019	W	W	W	W	-	W	W	W	W	-
February 2019	W	W	W	W	-	W	W	W	W	-
March 2018	W	W	W	W	W	W	W	W	W	W
Wyoming										
March 2019	W	W	-	W	-	W	12.1	-	1,120.9	-
February 2019	W	W	-	W	-	W	11.8	-	1,049.5	-
March 2018	W	W	-	W	-	W	12.4	-	W	W
PAD District 5										
March 2019	1,104.3	1,110.2	4,216.3	W	W	6,078.0	6,145.7	W	32,046.1	W
February 2019	1,051.8	1,057.4	4,232.3	5,644.1	381.9	5,787.9	5,853.3	W	32,254.9	W
March 2018	1,059.1	1,066.5	4,302.3	5,929.0	454.0	5,903.5	5,987.5	20,421.3	34,889.9	3,551.5
Alaska										
March 2019	W	W	W	30.5	-	W	W	W	W	W
February 2019	W	W	W	W	W	W	W	W	W	W
March 2018	W	W	W	W	-	W	W	86.3	W	W
Arizona										
March 2019	W	W	175.8	W	W	W	W	W	4,477.2	W
February 2019	W	W	165.2	W	W	W	W	W	4,706.3	W
March 2018	W	W	172.5	W	W	W	W	W	5,280.0	W
California										
March 2019	932.9	932.9	3,405.5	3,441.8	340.9	4,632.6	4,633.8	14,745.8	16,294.4	1,446.2
February 2019	895.5	895.5	3,489.5	3,529.3	320.8	4,456.9	4,458.0	14,840.4	17,066.8	1,780.4
March 2018	882.0	882.0	3,460.3	3,615.1	254.6	4,468.7	4,470.2	15,432.1	18,160.5	2,056.9
Hawaii										
March 2019	W	W	W	W	W	W	W	W	W	W
February 2019	W	W	W	W	W	W	W	W	W	W
March 2018	W	W	W	W	W	W	W	W	W	W
Nevada										
March 2019	W	W	W	W	-	W	W	W	1,802.3	W
February 2019	W	W	W	W	W	W	W	W	1,579.5	W
March 2018	W	W	W	W	W	W	W	W	1,750.8	W
Oregon										
March 2019	13.4	13.4	121.3	W	W	104.3	104.3	W	3,047.6	W
February 2019	12.6	12.6	114.4	340.8	-	99.7	99.7	W	3,076.8	W
March 2018	13.2	13.2	126.6	W	W	111.9	111.9	W	3,083.7	W
Washington										
March 2019	48.1	48.4	226.4	W	W	432.3	436.9	W	5,843.9	W
February 2019	42.7	43.0	191.6	W	W	389.6	394.1	W	5,243.2	W
March 2018	46.8	47.0	241.0	W	W	393.4	400.2	W	5,880.3	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 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					
March 2019	14,730.2	15,019.9	4,319.3	184,296.2	13,470.6
February 2019	14,229.4	14,523.9	4,041.3	176,833.8	14,821.0
March 2018	14,690.1	14,958.4	4,507.0	184,437.5	18,321.3
PAD District 1					
March 2019	W	W	W	50,288.5	W
February 2019	W	W	W	48,036.6	W
March 2018	W	W	W	50,065.6	W
Subdistrict 1A					
March 2019	-	-	W	W	-
February 2019	-	-	W	W	-
March 2018	-	-	W	W	-
Connecticut					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Maine					
March 2019	-	-	W	W	-
February 2019	-	-	-	W	-
March 2018	-	-	W	W	-
Massachusetts					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
New Hampshire					
March 2019	-	-	W	-	-
February 2019	-	-	W	-	-
March 2018	-	-	W	W	-
Rhode Island					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Vermont					
March 2019	-	-	W	W	-
February 2019	-	-	W	W	-
March 2018	-	-	W	W	-
Subdistrict 1B					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	W	5,698.8	W
Delaware					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
District of Columbia					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Maryland					
March 2019	-	-	-	374.1	-
February 2019	-	-	-	351.3	-
March 2018	-	-	-	W	-
New Jersey					
March 2019	-	-	-	-	W
February 2019	-	-	-	-	W
March 2018	-	-	-	-	W
New York					
March 2019	W	W	W	W	-
February 2019	W	W	W	W	-
March 2018	W	W	W	W	W
Pennsylvania					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	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					
March 2019	9,293.2	9,319.0	17,243.5	75,180.1	3,206.1
February 2019	9,018.0	9,042.6	17,217.8	75,282.9	3,361.8
March 2018	9,156.5	9,184.4	17,790.1	77,458.5	3,759.6
PAD District 1					
March 2019	W	W	W	27,788.4	W
February 2019	W	W	W	27,148.9	W
March 2018	W	W	W	27,449.3	W
Subdistrict 1A					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	W	W	W
Connecticut					
March 2019	-	W	-	W	W
February 2019	-	W	-	W	W
March 2018	-	W	-	W	W
Maine					
March 2019	-	-	-	W	-
February 2019	-	-	-	W	-
March 2018	-	-	-	W	-
Massachusetts					
March 2019	W	W	-	1,503.1	-
February 2019	W	W	-	1,445.4	-
March 2018	W	W	-	1,163.4	-
New Hampshire					
March 2019	W	W	-	W	-
February 2019	W	W	-	W	-
March 2018	W	W	W	W	-
Rhode Island					
March 2019	W	W	-	1,016.8	-
February 2019	W	W	-	1,033.5	-
March 2018	W	W	-	1,137.5	-
Vermont					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Subdistrict 1B					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	W	18,149.9	W
Delaware					
March 2019	W	W	-	1,006.4	-
February 2019	W	W	-	962.6	-
March 2018	W	W	-	1,211.0	-
District of Columbia					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Maryland					
March 2019	-	-	-	3,989.3	-
February 2019	-	-	-	3,883.3	-
March 2018	-	-	-	W	W
New Jersey					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	W	7,320.4	W
New York					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	W	W	W
Pennsylvania					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	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					
March 2019	24,023.4	24,338.9	21,562.7	259,476.4	16,676.7
February 2019	23,247.4	23,566.5	21,259.1	252,116.7	18,182.8
March 2018	23,846.6	24,142.7	22,297.1	261,895.9	22,080.9
PAD District 1					
March 2019	7,798.7	7,894.3	W	78,076.9	W
February 2019	7,592.7	7,696.2	W	75,185.5	W
March 2018	7,685.2	7,730.7	W	77,514.9	W
Subdistrict 1A					
March 2019	W	W	W	5,995.5	W
February 2019	W	W	W	5,934.9	W
March 2018	W	W	W	5,454.3	W
Connecticut					
March 2019	-	W	-	W	W
February 2019	-	W	-	W	W
March 2018	-	W	-	W	W
Maine					
March 2019	-	-	W	W	-
February 2019	-	-	-	657.5	-
March 2018	-	-	W	W	-
Massachusetts					
March 2019	W	W	-	1,503.1	-
February 2019	W	W	-	1,445.4	-
March 2018	W	W	-	1,163.4	-
New Hampshire					
March 2019	W	W	W	W	-
February 2019	W	W	W	W	-
March 2018	W	W	W	W	-
Rhode Island					
March 2019	W	W	-	1,016.8	-
February 2019	W	W	-	1,033.5	-
March 2018	W	W	-	1,137.5	-
Vermont					
March 2019	-	-	W	W	-
February 2019	-	-	W	W	-
March 2018	-	-	W	W	-
Subdistrict 1B					
March 2019	4,280.3	4,280.3	W	24,074.6	W
February 2019	4,172.4	4,172.4	W	23,385.5	W
March 2018	3,996.3	3,996.3	W	23,848.7	W
Delaware					
March 2019	W	W	-	1,006.4	-
February 2019	W	W	-	962.6	-
March 2018	W	W	-	1,211.0	-
District of Columbia					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Maryland					
March 2019	-	-	-	4,363.4	-
February 2019	-	-	-	4,234.6	-
March 2018	-	-	-	W	W
New Jersey					
March 2019	W	W	W	W	1,725.8
February 2019	W	W	W	W	1,859.5
March 2018	W	W	W	7,320.4	W
New York					
March 2019	2,696.6	2,696.6	W	5,595.8	W
February 2019	2,652.6	2,652.6	W	5,453.5	W
March 2018	2,459.4	2,459.4	W	5,706.0	W
Pennsylvania					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	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					
March 2019	W	W	-	43,969.6	382.6
February 2019	W	W	-	41,910.7	426.9
March 2018	W	W	-	W	W
Florida					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	16,247.5	-
Georgia					
March 2019	W	W	-	9,290.2	-
February 2019	W	W	-	8,892.9	-
March 2018	W	W	-	9,408.3	-
North Carolina					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
South Carolina					
March 2019	W	W	-	4,662.7	-
February 2019	W	W	-	4,443.8	-
March 2018	W	W	-	4,659.8	-
Virginia					
March 2019	-	-	-	W	W
February 2019	-	-	-	W	W
March 2018	-	-	-	W	W
West Virginia					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
PAD District 2					
March 2019	W	W	-	W	W
February 2019	W	W	W	W	1,249.0
March 2018	W	7,194.1	W	W	W
Illinois					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
Indiana					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	5,049.2	-
Iowa					
March 2019	-	W	-	2,558.8	-
February 2019	-	W	-	2,519.5	-
March 2018	-	W	-	2,555.8	-
Kansas					
March 2019	W	W	-	W	W
February 2019	W	W	-	3,908.6	255.0
March 2018	W	W	-	4,209.4	189.7
Kentucky					
March 2019	W	W	-	3,152.0	-
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
Michigan					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
Minnesota					
March 2019	W	W	-	W	W
February 2019	W	819.5	-	W	W
March 2018	W	W	W	4,610.9	W
Missouri					
March 2019	-	W	-	2,688.5	-
February 2019	-	W	-	2,442.8	-
March 2018	-	W	-	2,766.3	-

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	Reformulated			
	Sales to end users		Sales for resale	
	Through retail outlets	Total[a]	DTW	Rack Bulk
Subdistrict 1C				
March 2019	-	-	-	4,037.1 -
February 2019	-	-	-	3,954.5 -
March 2018	-	-	-	W W
Florida				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
Georgia				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
North Carolina				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
South Carolina				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
Virginia				
March 2019	-	-	-	4,037.1 -
February 2019	-	-	-	3,954.5 -
March 2018	-	-	-	W W
West Virginia				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
PAD District 2				
March 2019	W	W	-	W W
February 2019	W	W	-	W W
March 2018	W	W	-	W W
Illinois				
March 2019	W	W	-	W W
February 2019	W	W	-	W W
March 2018	W	W	-	W W
Indiana				
March 2019	W	W	-	927.7 -
February 2019	W	W	-	896.1 -
March 2018	W	W	-	926.5 -
Iowa				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
Kansas				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
Kentucky				
March 2019	W	W	-	669.3 -
February 2019	W	W	-	651.0 -
March 2018	W	W	-	826.5 -
Michigan				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
Minnesota				
March 2019	-	-	-	- -
February 2019	-	-	-	- -
March 2018	-	-	-	- -
Missouri				
March 2019	-	-	-	W W
February 2019	-	-	-	W W
March 2018	-	-	-	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
Subdistrict 1C					
March 2019	W	W	-	48,006.7	382.6
February 2019	W	W	-	45,865.2	426.9
March 2018	W	W	-	48,211.9	270.3
Florida					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	16,247.5	-
Georgia					
March 2019	W	W	-	9,290.2	-
February 2019	W	W	-	8,892.9	-
March 2018	W	W	-	9,408.3	-
North Carolina					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
South Carolina					
March 2019	W	W	-	4,662.7	-
February 2019	W	W	-	4,443.8	-
March 2018	W	W	-	4,659.8	-
Virginia					
March 2019	-	-	-	W	W
February 2019	-	-	-	W	W
March 2018	-	-	-	W	W
West Virginia					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
PAD District 2					
March 2019	W	W	-	81,031.2	561.5
February 2019	W	W	W	78,060.6	W
March 2018	W	W	W	80,959.7	W
Illinois					
March 2019	W	W	-	W	W
February 2019	W	W	-	11,622.0	76.1
March 2018	W	W	-	W	W
Indiana					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	5,975.7	-
Iowa					
March 2019	-	W	-	2,558.8	-
February 2019	-	W	-	2,519.5	-
March 2018	-	W	-	2,555.8	-
Kansas					
March 2019	W	W	-	W	W
February 2019	W	W	-	3,908.6	255.0
March 2018	W	W	-	4,209.4	189.7
Kentucky					
March 2019	W	W	-	3,821.3	-
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
Michigan					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
Minnesota					
March 2019	W	W	-	W	W
February 2019	W	819.5	-	W	W
March 2018	W	W	W	4,610.9	W
Missouri					
March 2019	-	W	-	W	W
February 2019	-	W	-	W	W
March 2018	-	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
PAD District 2 (cont.)					
Nebraska					
March 2019	W	W	-	1,604.5	-
February 2019	W	W	-	1,602.0	-
March 2018	W	W	-	1,700.7	-
North Dakota					
March 2019	W	W	-	902.3	-
February 2019	W	W	-	969.9	-
March 2018	W	W	-	877.0	-
Ohio					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
Oklahoma					
March 2019	W	W	-	W	W
February 2019	W	W	W	4,079.6	W
March 2018	W	W	-	4,496.5	474.2
South Dakota					
March 2019	W	W	-	878.0	-
February 2019	W	W	-	1,023.4	-
March 2018	W	W	-	1,005.5	-
Tennessee					
March 2019	W	W	-	9,836.6	-
February 2019	W	W	-	9,324.3	-
March 2018	W	W	-	10,338.6	-
Wisconsin					
March 2019	W	W	-	3,929.0	-
February 2019	W	W	-	3,961.9	-
March 2018	W	51.4	W	3,900.0	W
PAD District 3					
March 2019	1,132.5	1,166.1	W	W	W
February 2019	1,055.3	1,086.5	W	W	W
March 2018	1,142.8	1,175.9	W	39,222.0	W
Alabama					
March 2019	-	W	-	5,596.0	-
February 2019	-	W	-	5,258.7	-
March 2018	-	W	-	5,091.0	-
Arkansas					
March 2019	-	-	-	3,133.7	-
February 2019	-	-	-	3,024.3	-
March 2018	-	-	-	3,218.3	-
Louisiana					
March 2019	-	W	-	6,335.0	2,576.7
February 2019	-	W	-	6,071.4	2,769.6
March 2018	-	W	-	6,672.2	2,950.4
Mississippi					
March 2019	-	-	-	W	W
February 2019	-	-	-	W	W
March 2018	-	-	-	W	W
New Mexico					
March 2019	W	511.1	W	W	-
February 2019	W	457.8	W	W	-
March 2018	W	509.0	W	W	-
Texas					
March 2019	W	W	W	W	W
February 2019	W	609.9	W	W	W
March 2018	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					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
North Dakota					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Ohio					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Oklahoma					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
South Dakota					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Tennessee					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Wisconsin					
March 2019	W	W	-	1,556.8	-
February 2019	W	W	-	1,554.1	-
March 2018	W	W	-	1,613.2	-
PAD District 3					
March 2019	-	-	-	W	W
February 2019	-	-	-	W	W
March 2018	-	-	-	16,345.3	-
Alabama					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Arkansas					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Louisiana					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Mississippi					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
New Mexico					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Texas					
March 2019	-	-	-	W	W
February 2019	-	-	-	W	W
March 2018	-	-	-	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					
March 2019	W	W	-	1,604.5	-
February 2019	W	W	-	1,602.0	-
March 2018	W	W	-	1,700.7	-
North Dakota					
March 2019	W	W	-	902.3	-
February 2019	W	W	-	969.9	-
March 2018	W	W	-	877.0	-
Ohio					
March 2019	W	W	-	W	W
February 2019	W	W	-	W	W
March 2018	W	W	-	W	W
Oklahoma					
March 2019	W	W	-	W	W
February 2019	W	W	W	4,079.6	W
March 2018	W	W	-	4,496.5	474.2
South Dakota					
March 2019	W	W	-	878.0	-
February 2019	W	W	-	1,023.4	-
March 2018	W	W	-	1,005.5	-
Tennessee					
March 2019	W	W	-	9,836.6	-
February 2019	W	W	-	9,324.3	-
March 2018	W	W	-	10,338.6	-
Wisconsin					
March 2019	W	W	-	5,485.8	-
February 2019	W	W	-	5,516.0	-
March 2018	W	W	W	5,513.1	W
PAD District 3					
March 2019	1,132.5	1,166.1	W	W	9,849.1
February 2019	1,055.3	1,086.5	W	53,804.9	W
March 2018	1,142.8	1,175.9	W	55,567.3	W
Alabama					
March 2019	-	W	-	5,596.0	-
February 2019	-	W	-	5,258.7	-
March 2018	-	W	-	5,091.0	-
Arkansas					
March 2019	-	-	-	3,133.7	-
February 2019	-	-	-	3,024.3	-
March 2018	-	-	-	3,218.3	-
Louisiana					
March 2019	-	W	-	6,335.0	2,576.7
February 2019	-	W	-	6,071.4	2,769.6
March 2018	-	W	-	6,672.2	2,950.4
Mississippi					
March 2019	-	-	-	W	W
February 2019	-	-	-	W	W
March 2018	-	-	-	W	W
New Mexico					
March 2019	W	511.1	W	W	-
February 2019	W	457.8	W	W	-
March 2018	W	509.0	W	W	-
Texas					
March 2019	W	W	W	35,725.4	W
February 2019	W	609.9	W	35,148.2	W
March 2018	W	W	W	35,711.7	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					
March 2019	W	W	W	W	-
February 2019	W	W	W	12,810.8	W
March 2018	W	W	W	12,964.1	W
Colorado					
March 2019	208.1	212.6	W	W	-
February 2019	218.3	222.9	W	W	W
March 2018	226.6	235.6	W	5,520.1	W
Idaho					
March 2019	W	W	-	1,688.1	-
February 2019	W	W	-	1,619.1	-
March 2018	W	W	-	1,642.7	-
Montana					
March 2019	W	W	-	1,325.0	-
February 2019	W	W	-	1,290.2	-
March 2018	W	W	-	1,300.1	-
Utah					
March 2019	W	W	W	W	-
February 2019	W	W	W	W	-
March 2018	W	W	W	W	W
Wyoming					
March 2019	W	12.1	-	1,120.9	-
February 2019	W	11.8	-	1,049.5	-
March 2018	W	12.4	-	W	W
PAD District 5					
March 2019	1,445.4	1,510.9	3,724.4	W	W
February 2019	1,331.0	1,394.4	W	12,271.9	W
March 2018	1,434.8	W	W	W	W
Alaska					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	86.3	W	W
Arizona					
March 2019	W	W	W	W	-
February 2019	W	W	W	W	-
March 2018	W	W	312.5	W	-
California					
March 2019	-	-	-	-	W
February 2019	-	-	-	-	W
March 2018	-	-	-	-	W
Hawaii					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	W	W	W
Nevada					
March 2019	W	W	W	1,802.3	W
February 2019	W	W	W	1,579.5	W
March 2018	W	W	W	1,750.8	W
Oregon					
March 2019	104.3	104.3	W	3,047.6	W
February 2019	99.7	99.7	W	3,076.8	W
March 2018	111.9	111.9	W	3,083.7	W
Washington					
March 2019	432.3	436.9	W	5,843.9	W
February 2019	389.6	394.1	W	5,243.2	W
March 2018	393.4	400.2	W	5,880.3	W

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Colorado					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Idaho					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Montana					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Utah					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Wyoming					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
PAD District 5					
March 2019	4,632.6	4,634.8	W	W	1,449.6
February 2019	4,456.9	4,458.8	W	19,983.0	W
March 2018	4,468.7	W	W	W	W
Alaska					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Arizona					
March 2019	-	W	W	W	W
February 2019	-	W	W	W	W
March 2018	-	W	W	W	W
California					
March 2019	4,632.6	W	14,745.8	16,294.4	W
February 2019	4,456.9	W	14,840.4	W	W
March 2018	4,468.7	4,470.2	15,432.1	18,160.5	W
Hawaii					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Nevada					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Oregon					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-
Washington					
March 2019	-	-	-	-	-
February 2019	-	-	-	-	-
March 2018	-	-	-	-	-

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					
March 2019	W	W	W	W	-
February 2019	W	W	W	12,810.8	W
March 2018	W	W	W	12,964.1	W
Colorado					
March 2019	208.1	212.6	W	W	-
February 2019	218.3	222.9	W	W	W
March 2018	226.6	235.6	W	5,520.1	W
Idaho					
March 2019	W	W	-	1,688.1	-
February 2019	W	W	-	1,619.1	-
March 2018	W	W	-	1,642.7	-
Montana					
March 2019	W	W	-	1,325.0	-
February 2019	W	W	-	1,290.2	-
March 2018	W	W	-	1,300.1	-
Utah					
March 2019	W	W	W	W	-
February 2019	W	W	W	W	-
March 2018	W	W	W	W	W
Wyoming					
March 2019	W	12.1	-	1,120.9	-
February 2019	W	11.8	-	1,049.5	-
March 2018	W	12.4	-	W	W
PAD District 5					
March 2019	6,078.0	6,145.7	W	32,046.1	W
February 2019	5,787.9	5,853.3	W	32,254.9	W
March 2018	5,903.5	5,987.5	20,421.3	34,889.9	3,551.5
Alaska					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	86.3	W	W
Arizona					
March 2019	W	W	W	4,477.2	W
February 2019	W	W	W	4,706.3	W
March 2018	W	W	W	5,280.0	W
California					
March 2019	4,632.6	4,633.8	14,745.8	16,294.4	1,446.2
February 2019	4,456.9	4,458.0	14,840.4	17,066.8	1,780.4
March 2018	4,468.7	4,470.2	15,432.1	18,160.5	2,056.9
Hawaii					
March 2019	W	W	W	W	W
February 2019	W	W	W	W	W
March 2018	W	W	W	W	W
Nevada					
March 2019	W	W	W	1,802.3	W
February 2019	W	W	W	1,579.5	W
March 2018	W	W	W	1,750.8	W
Oregon					
March 2019	104.3	104.3	W	3,047.6	W
February 2019	99.7	99.7	W	3,076.8	W
March 2018	111.9	111.9	W	3,083.7	W
Washington					
March 2019	432.3	436.9	W	5,843.9	W
February 2019	389.6	394.1	W	5,243.2	W
March 2018	393.4	400.2	W	5,880.3	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 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										
March 2019	W	370.5	30,480.4	40,181.4	W	955.6	93.5	1,450.2	2,337.5	31,654.1
February 2019	W	312.4	28,885.1	38,186.8	W	1,334.1	131.3	3,848.0	3,165.2	40,748.4
March 2018	W	394.9	31,693.2	38,276.3	W	953.6	86.0	1,074.1	3,434.8	31,405.0
PAD District 1										
March 2019	W	122.4	6,010.0	7,609.3	W	264.8	-	W	-	6,023.8
February 2019	W	109.3	5,642.0	7,299.8	W	528.6	-	W	W	8,741.1
March 2018	W	114.0	5,629.6	7,095.7	W	172.8	-	9.7	W	7,455.5
Subdistrict 1A										
March 2019	-	W	231.6	610.4	W	-	-	-	-	923.2
February 2019	-	W	218.2	508.6	W	W	-	-	W	1,976.6
March 2018	-	W	205.7	800.9	W	-	-	-	W	1,420.4
Connecticut										
March 2019	-	-	W	W	-	-	-	-	-	144.3
February 2019	-	-	W	W	-	W	-	-	-	241.8
March 2018	-	-	W	W	-	-	-	-	-	196.9
Maine										
March 2019	-	W	W	W	-	-	-	-	-	263.3
February 2019	-	W	W	W	-	-	-	-	W	570.3
March 2018	-	W	W	W	-	-	-	-	W	363.7
Massachusetts										
March 2019	-	-	44.8	557.5	W	-	-	-	-	W
February 2019	-	-	W	458.7	W	-	-	-	-	W
March 2018	-	-	71.4	758.2	W	-	-	-	-	160.5
New Hampshire										
March 2019	-	-	W	W	W	-	-	-	-	W
February 2019	-	-	W	W	W	-	-	-	-	252.3
March 2018	-	-	W	W	W	-	-	-	-	W
Rhode Island										
March 2019	-	-	W	W	W	-	-	-	-	W
February 2019	-	-	W	W	W	-	-	-	-	W
March 2018	-	-	W	W	W	-	-	-	-	W
Vermont										
March 2019	-	-	W	W	-	-	-	-	-	W
February 2019	-	-	W	W	-	-	-	-	W	553.5
March 2018	-	-	W	W	-	-	-	-	-	425.2
Subdistrict 1B										
March 2019	W	W	2,393.5	4,781.3	W	233.8	-	6.5	-	2,477.8
February 2019	-	W	2,349.7	4,929.5	W	367.1	-	W	-	3,356.8
March 2018	-	W	1,844.0	4,414.5	W	W	-	W	-	2,895.2
Delaware										
March 2019	-	-	-	W	W	-	-	-	-	74.8
February 2019	-	-	-	-	W	-	-	-	-	129.8
March 2018	-	-	-	-	W	-	-	-	-	193.5
District of Columbia										
March 2019	-	-	-	-	-	-	-	-	-	-
February 2019	-	-	-	-	-	-	-	-	-	-
March 2018	-	-	-	-	-	-	-	-	-	-
Maryland										
March 2019	-	-	W	W	-	W	-	-	-	44.6
February 2019	-	-	W	W	-	W	-	-	-	91.3
March 2018	-	-	W	62.9	-	W	-	-	-	94.6
New Jersey										
March 2019	-	W	826.4	2,912.7	W	W	-	-	-	163.4
February 2019	-	-	905.3	2,953.4	W	W	-	-	-	267.8
March 2018	-	-	698.6	2,740.5	W	78.5	-	-	-	224.5
New York										
March 2019	W	W	1,278.1	56.5	W	W	-	W	-	850.8
February 2019	-	W	1,165.3	W	W	91.1	-	W	-	1,182.2
March 2018	-	W	886.9	91.5	W	47.0	-	W	-	859.4
Pennsylvania										
March 2019	-	W	W	1,738.2	W	W	-	W	-	1,344.4
February 2019	-	W	W	1,851.0	5.9	2.2	-	W	-	1,685.7
March 2018	-	W	W	1,519.6	W	1.5	-	W	-	1,523.2

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										
March 2019	W	94.4	3,384.9	2,217.6	W	31.0	-	W	-	2,622.8
February 2019	W	87.2	3,074.1	1,861.7	W	W	-	W	-	3,407.7
March 2018	W	91.5	3,579.9	1,880.3	W	W	-	W	-	3,139.8
Florida										
March 2019	-	71.3	2,268.2	1,843.5	W	-	-	-	-	360.1
February 2019	-	64.9	1,979.0	1,489.5	W	-	-	-	-	409.6
March 2018	-	70.4	2,922.1	1,493.8	W	NA	-	-	-	467.5
Georgia										
March 2019	W	W	W	69.0	-	W	-	W	-	447.7
February 2019	W	W	W	73.0	-	W	-	W	-	577.2
March 2018	W	W	W	72.3	-	W	-	W	-	481.6
North Carolina										
March 2019	-	W	W	155.5	W	W	-	-	-	954.0
February 2019	-	W	W	137.7	W	93.3	-	-	-	1,110.7
March 2018	-	W	W	159.6	W	W	-	-	-	1,006.8
South Carolina										
March 2019	-	-	W	69.4	W	W	-	-	-	606.2
February 2019	-	-	W	66.5	W	W	-	-	-	860.7
March 2018	-	-	W	71.8	W	W	-	-	-	684.4
Virginia										
March 2019	-	W	458.6	W	-	W	-	-	-	138.4
February 2019	-	W	399.4	W	-	W	-	-	-	W
March 2018	-	W	291.9	W	-	-	-	-	-	243.9
West Virginia										
March 2019	-	-	W	W	W	-	-	-	-	116.4
February 2019	-	-	W	W	W	-	-	-	-	W
March 2018	-	-	W	W	W	-	-	-	-	255.6
PAD District 2										
March 2019	W	60.6	5,522.0	4,831.7	W	W	12.9	809.6	W	10,476.7
February 2019	W	65.5	5,136.8	4,657.2	W	W	27.5	2,535.7	W	15,707.7
March 2018	W	93.0	5,798.8	4,952.1	W	W	4.6	602.8	W	9,866.6
Illinois										
March 2019	W	W	1,486.8	W	W	W	-	W	W	1,651.3
February 2019	W	W	1,575.1	W	W	W	W	129.4	W	2,242.3
March 2018	W	W	1,210.8	W	W	W	W	W	W	1,644.9
Indiana										
March 2019	-	-	866.9	217.8	W	5.5	-	W	-	418.8
February 2019	-	-	808.8	253.0	W	15.2	-	W	-	610.4
March 2018	-	-	961.1	228.8	W	4.2	-	W	-	357.6
Iowa										
March 2019	-	-	W	81.8	-	W	-	51.7	W	597.7
February 2019	-	-	W	70.1	-	-	W	248.0	W	1,209.4
March 2018	-	-	W	77.2	-	-	-	21.7	W	606.2
Kansas										
March 2019	W	W	W	W	-	W	-	48.6	-	2,538.5
February 2019	W	W	W	W	-	W	-	156.8	-	3,440.4
March 2018	W	W	W	W	-	W	-	24.3	-	2,163.3
Kentucky										
March 2019	-	W	664.5	559.7	W	W	W	W	-	580.3
February 2019	-	W	343.4	W	W	W	-	W	-	807.3
March 2018	-	W	901.4	543.7	W	W	W	W	-	639.4
Michigan										
March 2019	-	-	W	541.6	W	W	W	18.5	W	694.5
February 2019	-	-	W	442.1	W	W	W	37.9	W	1,272.3
March 2018	W	-	81.4	596.0	W	W	W	W	W	867.8
Minnesota										
March 2019	W	W	W	1,018.8	W	W	W	230.8	W	621.5
February 2019	W	W	W	1,023.3	W	W	7.0	680.9	W	1,165.9
March 2018	-	W	W	W	W	W	W	130.3	W	495.2
Missouri										
March 2019	W	-	W	W	-	-	W	4.4	W	401.5
February 2019	W	-	W	W	-	-	W	16.6	W	630.1
March 2018	W	-	W	W	-	-	-	2.1	-	362.7

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										
March 2019	W	-	W	W	-	-	W	35.5	-	293.7
February 2019	W	-	W	W	-	-	W	159.2	-	461.8
March 2018	W	-	W	W	-	-	W	15.7	-	246.7
North Dakota										
March 2019	-	-	W	W	NA	W	W	235.1	W	527.1
February 2019	-	-	W	W	NA	W	W	604.2	W	719.8
March 2018	-	-	W	W	-	-	W	257.5	W	442.7
Ohio										
March 2019	-	W	386.0	512.3	W	W	-	W	-	585.6
February 2019	-	W	379.9	516.8	W	W	-	W	-	935.8
March 2018	W	W	445.3	452.0	W	W	-	W	-	655.5
Oklahoma										
March 2019	-	-	W	385.0	-	W	-	W	-	336.6
February 2019	-	-	W	406.5	-	W	-	15.3	-	404.3
March 2018	W	-	W	326.1	-	W	-	W	W	253.8
South Dakota										
March 2019	-	-	W	-	-	-	W	45.0	W	202.5
February 2019	-	-	W	-	-	-	W	178.4	W	344.7
March 2018	-	-	W	-	-	-	W	23.0	W	184.2
Tennessee										
March 2019	-	W	W	200.3	W	W	-	W	-	176.5
February 2019	-	W	W	164.7	W	W	-	W	-	209.4
March 2018	-	W	W	176.8	W	W	-	W	-	171.5
Wisconsin										
March 2019	-	-	69.0	9.5	W	W	W	53.9	W	850.4
February 2019	-	-	69.4	11.0	W	W	W	217.8	W	1,253.8
March 2018	-	-	W	W	W	W	W	41.3	W	775.0
PAD District 3										
March 2019	W	119.6	5,683.1	18,531.9	-	594.9	-	W	1,992.5	12,168.3
February 2019	W	75.6	5,291.1	17,428.6	-	664.4	-	W	2,673.8	12,858.1
March 2018	W	123.2	6,544.5	16,788.0	-	724.1	-	-	3,151.9	10,796.5
Alabama										
March 2019	-	W	98.9	181.6	-	W	-	-	-	243.6
February 2019	-	W	80.6	71.0	-	W	-	-	-	415.1
March 2018	-	W	269.0	79.8	-	W	-	-	-	225.2
Arkansas										
March 2019	-	-	W	W	-	-	-	-	-	W
February 2019	-	W	W	W	-	-	-	-	-	W
March 2018	W	-	W	W	-	-	-	-	-	43.6
Louisiana										
March 2019	-	5.7	622.6	5,894.9	-	W	-	-	W	373.9
February 2019	-	5.6	1,055.7	5,850.6	-	W	-	-	698.6	373.2
March 2018	-	6.3	742.4	5,385.9	-	W	-	-	W	182.2
Mississippi										
March 2019	-	W	1,176.7	2,229.5	-	W	-	-	-	348.7
February 2019	-	W	800.6	1,362.5	-	W	-	-	-	426.6
March 2018	-	W	942.6	1,088.0	-	W	-	-	-	339.9
New Mexico										
March 2019	W	-	W	W	-	-	-	-	-	W
February 2019	W	-	W	W	-	-	-	-	-	W
March 2018	W	-	W	W	-	-	-	-	-	108.8
Texas										
March 2019	-	W	3,729.0	10,097.1	-	3.3	-	W	W	11,044.2
February 2019	W	67.0	3,288.5	10,047.9	-	4.4	-	W	1,975.2	11,476.8
March 2018	W	W	4,529.6	10,143.0	-	W	-	-	W	9,896.8

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4										
March 2019	W	W	901.8	1,044.4	-	-	W	254.8	W	1,217.1
February 2019	W	W	1,042.3	1,117.9	-	-	W	461.0	W	1,289.2
March 2018	W	W	1,001.8	1,000.9	-	-	W	171.7	W	1,080.4
Colorado										
March 2019	W	-	W	623.4	-	-	W	83.7	W	430.2
February 2019	W	-	W	713.9	-	-	W	128.5	W	457.0
March 2018	W	-	280.9	607.7	-	-	-	60.1	W	387.7
Idaho										
March 2019	-	-	W	23.3	-	-	W	4.5	W	51.5
February 2019	-	-	62.4	22.9	-	-	W	12.2	W	57.2
March 2018	-	-	W	13.9	-	-	W	W	W	43.2
Montana										
March 2019	-	W	W	W	-	-	W	83.2	W	154.2
February 2019	W	W	W	W	-	-	W	165.5	W	184.4
March 2018	-	W	W	W	-	-	W	48.1	W	151.7
Utah										
March 2019	-	W	420.4	302.6	-	-	W	16.1	-	161.6
February 2019	-	W	414.9	304.7	-	-	W	43.4	-	152.0
March 2018	W	W	485.1	296.7	-	-	-	W	-	121.0
Wyoming										
March 2019	-	-	W	W	-	-	W	67.3	-	419.6
February 2019	-	-	W	W	-	-	W	111.4	-	438.6
March 2018	-	-	W	W	-	-	NA	53.4	-	376.8
PAD District 5										
March 2019	W	W	12,363.5	8,164.0	-	W	W	309.7	W	1,768.1
February 2019	W	W	11,773.0	7,683.4	-	W	W	340.8	W	2,152.3
March 2018	W	W	12,718.5	8,439.5	NA	W	W	289.8	W	2,206.0
Alaska										
March 2019	W	W	W	W	-	-	W	W	W	W
February 2019	W	W	948.8	W	-	-	W	W	W	W
March 2018	W	W	W	W	-	-	W	W	W	W
Arizona										
March 2019	W	W	W	237.9	-	-	-	-	-	238.5
February 2019	W	W	W	W	-	-	-	-	-	340.0
March 2018	W	W	181.5	283.1	-	-	-	-	-	212.4
California										
March 2019	W	24.2	7,392.6	6,224.8	-	W	-	-	-	1,006.9
February 2019	-	27.0	7,360.8	5,871.6	-	W	-	-	-	1,223.0
March 2018	-	25.7	7,229.0	6,597.7	-	W	-	-	-	1,285.7
Hawaii										
March 2019	-	-	W	W	-	-	-	-	-	W
February 2019	-	-	W	W	-	-	-	-	-	W
March 2018	-	W	W	W	-	-	-	-	-	W
Nevada										
March 2019	-	-	W	W	-	-	-	-	-	63.6
February 2019	-	-	W	W	-	-	-	-	-	70.9
March 2018	-	-	W	W	-	-	-	-	-	106.9
Oregon										
March 2019	-	12.3	417.3	57.8	-	-	-	W	W	80.8
February 2019	-	W	385.9	W	-	-	-	W	W	W
March 2018	-	W	W	W	-	-	-	NA	W	W
Washington										
March 2019	-	W	1,888.7	480.1	-	-	W	W	W	339.6
February 2019	-	W	1,598.1	271.4	-	-	W	W	W	391.9
March 2018	-	W	2,215.8	229.1	NA	-	W	W	W	515.1

- = 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 2018 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						
March 2019	11,721.1	153,465.8	W	W	W	W
February 2019	12,171.1	147,013.4	W	-	W	1,162.0
March 2018	11,766.4	146,514.7	W	581.1	W	1,696.5
PAD District 1						
March 2019	W	32,586.1	-	-	-	W
February 2019	W	W	-	-	-	W
March 2018	W	26,837.5	-	W	-	W
Subdistrict 1A						
March 2019	W	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
Connecticut						
March 2019	W	504.2	-	-	-	-
February 2019	W	544.9	-	-	-	-
March 2018	W	W	-	-	-	-
Maine						
March 2019	-	W	-	-	-	-
February 2019	-	W	-	-	-	-
March 2018	-	W	-	-	-	-
Massachusetts						
March 2019	W	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
New Hampshire						
March 2019	W	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
Rhode Island						
March 2019	W	NA	-	-	-	-
February 2019	W	NA	-	-	-	-
March 2018	W	W	-	-	-	-
Vermont						
March 2019	-	W	-	-	-	-
February 2019	-	W	-	-	-	-
March 2018	W	W	-	-	-	-
Subdistrict 1B						
March 2019	W	W	-	-	-	W
February 2019	W	W	-	-	-	W
March 2018	W	W	-	W	-	W
Delaware						
March 2019	W	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
District of Columbia						
March 2019	-	W	-	-	-	-
February 2019	-	W	-	-	-	-
March 2018	-	W	-	-	-	-
Maryland						
March 2019	-	W	-	-	-	W
February 2019	W	W	-	-	-	W
March 2018	W	W	-	-	-	W
New Jersey						
March 2019	147.8	W	-	-	-	W
February 2019	149.6	7,105.1	-	-	-	-
March 2018	144.3	W	-	W	-	-
New York						
March 2019	W	W	-	-	-	W
February 2019	183.6	W	-	-	-	W
March 2018	W	W	-	-	-	W
Pennsylvania						
March 2019	W	5,273.5	-	-	-	-
February 2019	W	5,574.1	-	-	-	-
March 2018	W	4,141.9	-	-	-	-

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						
March 2019	980.8	15,051.8	-	-	-	-
February 2019	980.9	W	-	-	-	-
March 2018	865.5	W	-	-	-	-
Florida						
March 2019	259.4	4,853.6	-	-	-	-
February 2019	261.7	4,622.9	-	-	-	-
March 2018	313.6	W	-	-	-	-
Georgia						
March 2019	41.0	W	-	-	-	-
February 2019	43.2	2,561.1	-	-	-	-
March 2018	89.2	2,480.0	-	-	-	-
North Carolina						
March 2019	380.5	W	-	-	-	-
February 2019	381.8	W	-	-	-	-
March 2018	293.6	W	-	-	-	-
South Carolina						
March 2019	W	W	-	-	-	-
February 2019	55.7	1,479.7	-	-	-	-
March 2018	W	1,472.4	-	-	-	-
Virginia						
March 2019	W	2,503.4	-	-	-	-
February 2019	W	2,270.8	-	-	-	-
March 2018	7.9	W	-	-	-	-
West Virginia						
March 2019	W	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
PAD District 2						
March 2019	W	42,120.4	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
Illinois						
March 2019	343.2	6,555.4	-	-	-	-
February 2019	336.5	6,988.8	-	-	-	-
March 2018	W	6,842.7	-	-	-	-
Indiana						
March 2019	W	3,706.1	-	-	-	-
February 2019	W	3,581.7	-	-	-	-
March 2018	W	4,035.4	-	-	-	-
Iowa						
March 2019	12.0	1,845.4	-	-	-	-
February 2019	18.8	1,741.3	-	-	-	-
March 2018	22.3	2,000.1	-	-	-	-
Kansas						
March 2019	W	2,931.4	-	-	-	-
February 2019	539.9	2,829.8	-	-	-	-
March 2018	W	3,076.8	-	-	-	-
Kentucky						
March 2019	451.6	1,779.2	-	-	-	-
February 2019	469.3	1,428.9	-	-	-	-
March 2018	W	1,867.0	-	-	-	-
Michigan						
March 2019	236.1	2,110.6	-	-	-	-
February 2019	243.2	2,125.4	-	-	-	-
March 2018	W	W	-	-	-	-
Minnesota						
March 2019	W	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
Missouri						
March 2019	2.6	1,601.3	-	-	-	-
February 2019	1.3	1,519.1	-	-	-	-
March 2018	W	1,569.6	-	-	-	-

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						
March 2019	W	1,055.1	-	-	-	-
February 2019	W	1,062.5	-	-	-	-
March 2018	W	1,420.7	-	-	-	-
North Dakota						
March 2019	W	1,318.1	-	-	-	-
February 2019	W	813.9	-	-	-	-
March 2018	W	1,206.0	-	-	-	-
Ohio						
March 2019	643.5	5,468.3	-	-	-	-
February 2019	637.1	4,976.1	-	-	-	-
March 2018	W	4,827.6	-	-	-	-
Oklahoma						
March 2019	270.9	5,566.8	-	-	-	-
February 2019	145.9	5,842.5	-	-	-	-
March 2018	103.6	5,560.0	-	-	-	-
South Dakota						
March 2019	W	450.1	-	-	-	-
February 2019	W	397.3	-	-	-	-
March 2018	W	540.7	-	-	-	-
Tennessee						
March 2019	354.7	3,423.4	-	-	-	-
February 2019	361.0	3,208.9	-	-	-	-
March 2018	292.1	3,202.7	-	-	-	-
Wisconsin						
March 2019	51.9	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
PAD District 3						
March 2019	2,726.7	51,216.3	-	W	-	W
February 2019	2,931.1	49,896.3	-	-	-	512.6
March 2018	2,597.1	52,651.2	W	W	W	W
Alabama						
March 2019	124.6	W	-	-	-	-
February 2019	159.5	1,679.7	-	-	-	-
March 2018	153.7	1,424.2	-	-	-	-
Arkansas						
March 2019	W	1,386.6	-	-	-	-
February 2019	W	1,382.3	-	-	-	-
March 2018	W	1,383.4	-	-	-	-
Louisiana						
March 2019	234.8	W	-	-	-	W
February 2019	192.7	W	-	-	-	W
March 2018	200.0	11,955.8	-	W	-	396.8
Mississippi						
March 2019	27.1	2,206.5	-	W	-	-
February 2019	27.4	W	-	-	-	-
March 2018	52.7	2,097.6	-	W	-	-
New Mexico						
March 2019	325.0	1,077.0	-	-	-	-
February 2019	323.0	1,106.8	-	-	-	-
March 2018	319.6	1,316.2	-	-	-	-
Texas						
March 2019	W	W	-	-	-	W
February 2019	W	W	-	-	-	W
March 2018	W	34,474.0	W	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						
March 2019	W	6,806.2	-	-	-	-
February 2019	W	6,853.5	-	-	-	-
March 2018	W	6,885.9	-	-	-	-
Colorado						
March 2019	190.5	1,899.2	-	-	-	-
February 2019	200.3	2,071.5	-	-	-	-
March 2018	229.6	2,010.8	-	-	-	-
Idaho						
March 2019	W	847.3	-	-	-	-
February 2019	W	849.5	-	-	-	-
March 2018	W	928.2	-	-	-	-
Montana						
March 2019	W	992.3	-	-	-	-
February 2019	114.0	902.4	-	-	-	-
March 2018	W	985.3	-	-	-	-
Utah						
March 2019	W	1,895.4	-	-	-	-
February 2019	W	1,875.3	-	-	-	-
March 2018	W	1,774.0	-	-	-	-
Wyoming						
March 2019	400.0	1,172.0	-	-	-	-
February 2019	345.2	1,154.9	-	-	-	-
March 2018	392.9	1,187.6	-	-	-	-
PAD District 5						
March 2019	W	20,736.9	W	-	W	W
February 2019	W	W	W	-	W	W
March 2018	W	W	W	-	W	W
Alaska						
March 2019	W	W	-	-	-	-
February 2019	W	W	-	-	-	-
March 2018	W	W	-	-	-	-
Arizona						
March 2019	481.4	942.8	-	-	-	-
February 2019	464.8	880.7	-	-	-	-
March 2018	415.7	1,092.9	-	-	-	-
California						
March 2019	1,181.6	W	-	-	-	W
February 2019	1,204.6	W	-	-	-	W
March 2018	1,227.2	W	-	-	-	W
Hawaii						
March 2019	W	W	W	-	W	W
February 2019	W	W	W	-	W	W
March 2018	W	W	W	-	W	W
Nevada						
March 2019	W	496.4	-	-	-	-
February 2019	W	355.8	-	-	-	-
March 2018	W	479.2	-	-	-	-
Oregon						
March 2019	W	1,992.4	-	-	-	-
February 2019	W	1,784.0	-	-	-	-
March 2018	3.6	1,950.6	-	-	-	-
Washington						
March 2019	W	W	-	-	-	W
February 2019	207.9	3,302.1	-	-	W	-
March 2018	W	3,164.0	-	-	-	-

- = 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 2018 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				
March 2019	63.5	11,569.5	11,839.8	166,400.3
February 2019	78.0	14,484.5	12,465.3	162,659.9
March 2018	54.3	9,469.4	12,769.8	158,261.6
PAD District 1				
March 2019	W	W	1,550.7	41,567.2
February 2019	W	11,942.9	1,576.3	43,037.6
March 2018	W	6,094.0	1,489.5	33,075.1
Subdistrict 1A				
March 2019	-	W	W	3,290.3
February 2019	-	W	W	4,682.5
March 2018	-	W	W	1,977.5
Connecticut				
March 2019	-	1,139.9	W	1,644.2
February 2019	-	1,767.0	W	2,312.0
March 2018	-	W	W	465.6
Maine				
March 2019	-	W	-	213.9
February 2019	-	W	-	578.8
March 2018	-	W	-	W
Massachusetts				
March 2019	-	W	W	559.7
February 2019	-	W	W	683.9
March 2018	-	W	W	391.2
New Hampshire				
March 2019	-	W	W	W
February 2019	-	W	W	W
March 2018	-	W	W	W
Rhode Island				
March 2019	-	NA	W	NA
February 2019	-	428.4	W	755.6
March 2018	-	W	W	645.8
Vermont				
March 2019	-	W	-	W
February 2019	-	W	-	W
March 2018	-	W	W	W
Subdistrict 1B				
March 2019	W	6,360.5	W	22,824.0
February 2019	W	8,631.9	W	23,932.6
March 2018	W	4,705.2	W	15,876.4
Delaware				
March 2019	-	W	W	W
February 2019	-	W	W	W
March 2018	-	W	W	W
District of Columbia				
March 2019	-	-	-	W
February 2019	-	-	-	W
March 2018	-	-	-	W
Maryland				
March 2019	W	W	W	1,594.2
February 2019	-	W	W	1,610.4
March 2018	-	W	W	1,484.5
New Jersey				
March 2019	-	4,102.3	147.8	12,547.2
February 2019	-	5,884.7	149.6	12,989.9
March 2018	-	2,844.4	144.3	7,527.5
New York				
March 2019	W	763.3	188.1	1,961.4
February 2019	-	1,280.9	183.6	2,410.1
March 2018	W	656.7	166.0	1,645.9
Pennsylvania				
March 2019	W	1,087.2	204.9	6,360.7
February 2019	W	1,013.6	231.4	6,587.7
March 2018	W	666.9	260.1	4,808.7

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				
March 2019	-	401.1	980.8	15,452.9
February 2019	-	W	980.9	14,422.5
March 2018	-	W	865.5	15,221.2
Florida				
March 2019	-	-	259.4	4,853.6
February 2019	-	-	261.7	4,622.9
March 2018	-	W	313.6	5,276.7
Georgia				
March 2019	-	W	41.0	2,822.2
February 2019	-	-	43.2	2,561.1
March 2018	-	-	89.2	2,480.0
North Carolina				
March 2019	-	W	380.5	2,726.9
February 2019	-	W	381.8	2,844.6
March 2018	-	W	293.6	2,676.1
South Carolina				
March 2019	-	W	W	1,676.5
February 2019	-	-	55.7	1,479.7
March 2018	-	-	W	1,472.4
Virginia				
March 2019	-	-	W	2,503.4
February 2019	-	-	W	2,270.8
March 2018	-	W	7.9	2,564.0
West Virginia				
March 2019	-	W	W	870.1
February 2019	-	W	W	643.4
March 2018	-	W	W	752.1
PAD District 2				
March 2019	W	182.3	4,155.6	42,302.6
February 2019	W	W	4,321.3	40,838.1
March 2018	W	W	4,059.5	42,825.0
Illinois				
March 2019	-	-	343.2	6,555.4
February 2019	-	-	336.5	6,988.8
March 2018	-	-	W	6,842.7
Indiana				
March 2019	-	-	W	3,706.1
February 2019	-	-	W	3,581.7
March 2018	-	-	W	4,035.4
Iowa				
March 2019	-	-	12.0	1,845.4
February 2019	-	-	18.8	1,741.3
March 2018	-	-	22.3	2,000.1
Kansas				
March 2019	-	-	W	2,931.4
February 2019	-	-	539.9	2,829.8
March 2018	-	-	W	3,076.8
Kentucky				
March 2019	-	-	451.6	1,779.2
February 2019	-	-	469.3	1,428.9
March 2018	-	-	W	1,867.0
Michigan				
March 2019	-	177.2	236.1	2,287.8
February 2019	-	143.1	243.2	2,268.5
March 2018	-	W	W	2,213.6
Minnesota				
March 2019	W	W	267.6	2,349.2
February 2019	W	W	287.5	2,092.8
March 2018	W	W	255.8	2,150.8
Missouri				
March 2019	-	-	2.6	1,601.3
February 2019	-	-	1.3	1,519.1
March 2018	-	-	W	1,569.6

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				
March 2019	-	-	W	1,055.1
February 2019	-	-	W	1,062.5
March 2018	-	-	W	1,420.7
North Dakota				
March 2019	-	-	W	1,318.1
February 2019	-	-	W	813.9
March 2018	W	-	W	1,206.0
Ohio				
March 2019	-	-	643.5	5,468.3
February 2019	-	-	637.1	4,976.1
March 2018	-	-	W	4,827.6
Oklahoma				
March 2019	-	-	270.9	5,566.8
February 2019	-	-	145.9	5,842.5
March 2018	-	-	103.6	5,560.0
South Dakota				
March 2019	W	-	W	450.1
February 2019	W	-	45.0	397.3
March 2018	W	-	W	540.7
Tennessee				
March 2019	-	-	354.7	3,423.4
February 2019	-	-	361.0	3,208.9
March 2018	-	-	292.1	3,202.7
Wisconsin				
March 2019	-	W	51.9	1,965.4
February 2019	W	W	60.2	2,086.0
March 2018	W	W	37.9	2,311.1
PAD District 3				
March 2019	-	2,543.0	2,726.7	54,239.4
February 2019	-	2,370.2	2,931.1	52,779.1
March 2018	-	3,290.4	3,263.9	57,777.7
Alabama				
March 2019	-	W	124.6	1,717.7
February 2019	-	-	159.5	1,679.7
March 2018	-	-	153.7	1,424.2
Arkansas				
March 2019	-	-	W	1,386.6
February 2019	-	-	W	1,382.3
March 2018	-	-	W	1,383.4
Louisiana				
March 2019	-	1,505.0	234.8	14,223.5
February 2019	-	W	192.7	12,351.6
March 2018	-	W	200.0	13,512.8
Mississippi				
March 2019	-	W	W	2,583.8
February 2019	-	W	W	1,507.5
March 2018	-	W	W	3,084.6
New Mexico				
March 2019	-	-	325.0	1,077.0
February 2019	-	-	323.0	1,106.8
March 2018	-	-	319.6	1,316.2
Texas				
March 2019	-	743.5	2,011.7	33,250.8
February 2019	-	589.6	2,115.7	34,751.3
March 2018	-	1,596.6	2,431.8	37,056.5

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				
March 2019	W	-	1,114.5	6,806.2
February 2019	W	-	1,082.7	6,853.5
March 2018	W	-	1,195.3	6,885.9
Colorado				
March 2019	-	-	190.5	1,899.2
February 2019	-	-	200.3	2,071.5
March 2018	-	-	229.6	2,010.8
Idaho				
March 2019	W	-	W	847.3
February 2019	W	-	101.7	849.5
March 2018	W	-	W	928.2
Montana				
March 2019	-	-	W	992.3
February 2019	-	-	114.0	902.4
March 2018	-	-	W	985.3
Utah				
March 2019	W	-	313.9	1,895.4
February 2019	W	-	321.6	1,875.3
March 2018	W	-	339.6	1,774.0
Wyoming				
March 2019	-	-	400.0	1,172.0
February 2019	-	-	345.2	1,154.9
March 2018	-	-	392.9	1,187.6
PAD District 5				
March 2019	W	W	2,292.3	21,484.9
February 2019	W	W	2,553.9	19,151.6
March 2018	W	W	2,761.5	17,697.9
Alaska				
March 2019	W	W	W	W
February 2019	W	W	W	W
March 2018	W	W	W	W
Arizona				
March 2019	-	-	481.4	942.8
February 2019	-	-	464.8	880.7
March 2018	-	-	415.7	1,092.9
California				
March 2019	-	-	1,181.6	13,843.2
February 2019	-	-	1,204.6	12,186.1
March 2018	-	-	1,227.2	10,595.5
Hawaii				
March 2019	-	-	W	W
February 2019	-	-	W	W
March 2018	-	-	W	W
Nevada				
March 2019	W	-	W	496.4
February 2019	W	-	116.5	355.8
March 2018	W	-	141.3	479.2
Oregon				
March 2019	-	-	W	1,992.4
February 2019	-	-	W	1,784.0
March 2018	-	-	3.6	1,950.6
Washington				
March 2019	W	-	215.8	3,489.8
February 2019	W	-	388.3	3,302.1
March 2018	W	-	300.0	3,164.0

- = 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 2018 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								
March 2019	W	W	W	W	2,224.8	6,703.0	-	W
February 2019	W	1,093.9	W	6,539.1	2,293.5	7,633.1	-	W
March 2018	W	399.1	W	6,984.0	3,648.2	7,383.1	-	W
PAD District 1								
March 2019	W	W	W	W	W	W	-	-
February 2019	W	W	W	W	W	W	-	-
March 2018	W	W	W	W	W	1,791.5	-	-
Subdistrict 1A								
March 2019	-	-	-	-	-	-	-	-
February 2019	-	-	-	-	-	-	-	-
March 2018	-	-	-	-	-	-	-	-
Subdistrict 1B								
March 2019	W	W	W	W	W	W	-	-
February 2019	W	W	W	W	W	W	-	-
March 2018	W	W	W	W	W	W	-	-
Subdistrict 1C								
March 2019	-	-	-	-	-	-	-	-
February 2019	-	-	-	-	-	-	-	-
March 2018	-	-	W	W	W	W	-	-
PAD District 2								
March 2019	-	-	W	W	W	W	-	-
February 2019	-	-	-	W	-	W	-	-
March 2018	-	-	-	W	-	W	-	W
PAD District 3								
March 2019	-	-	239.6	2,410.6	239.6	2,410.6	-	W
February 2019	-	-	W	3,139.5	W	3,139.5	-	W
March 2018	-	W	W	W	W	4,243.3	-	W
PAD District 4								
March 2019	-	-	-	W	-	W	-	-
February 2019	-	-	-	W	-	W	-	-
March 2018	-	-	-	W	-	W	-	-
PAD District 5								
March 2019	NA	W	1,421.5	W	1,628.0	1,495.4	-	-
February 2019	W	W	W	W	1,700.4	1,962.5	-	-
March 2018	W	W	W	W	2,765.5	1,203.7	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2018 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						
March 2019	212,337.9	99,241.4	311,579.3	3,511.4	1,996.9	5,508.2
February 2019	206,350.1	98,539.9	304,890.0	3,335.9	1,966.0	5,301.9
March 2018	221,998.7	104,278.6	326,277.4	3,724.8	2,276.7	6,001.5
PAD District 1						
March 2019	64,696.5	37,991.2	102,687.7	1,315.8	646.5	1,962.3
February 2019	63,135.1	37,262.6	100,397.7	1,243.8	631.5	1,875.3
March 2018	66,868.4	40,295.0	107,163.4	1,331.4	814.8	2,146.3
Subdistrict 1A						
March 2019	1,522.5	11,567.5	13,090.0	12.1	201.9	214.1
February 2019	1,588.3	11,640.3	13,228.6	16.1	197.0	213.1
March 2018	1,648.9	12,510.5	14,159.3	12.8	286.9	299.7
Connecticut						
March 2019	-	3,069.6	3,069.6	-	34.7	34.7
February 2019	-	3,075.8	3,075.8	-	34.1	34.1
March 2018	-	3,560.2	3,560.2	-	80.0	80.0
Maine						
March 2019	623.5	999.2	1,622.7	4.6	17.2	21.8
February 2019	666.5	1,041.2	1,707.7	8.3	16.8	25.0
March 2018	626.5	1,060.3	1,686.8	2.6	13.5	16.0
Massachusetts						
March 2019	-	5,086.3	5,086.3	-	113.2	113.2
February 2019	-	5,048.8	5,048.8	-	109.2	109.2
March 2018	-	5,330.7	5,330.7	-	143.8	143.8
New Hampshire						
March 2019	285.5	1,013.6	1,299.1	1.3	12.1	13.4
February 2019	306.4	1,016.9	1,323.3	1.4	11.5	12.9
March 2018	289.1	994.4	1,283.5	2.0	19.0	21.0
Rhode Island						
March 2019	-	1,398.7	1,398.7	-	24.8	24.8
February 2019	-	1,457.7	1,457.7	-	25.4	25.4
March 2018	-	1,564.8	1,564.8	-	30.6	30.6
Vermont						
March 2019	613.5	-	613.5	6.2	-	6.2
February 2019	615.5	-	615.5	6.5	-	6.5
March 2018	733.3	-	733.3	8.3	-	8.3
Subdistrict 1B						
March 2019	11,502.5	22,315.9	33,818.4	130.5	383.4	513.9
February 2019	11,420.9	21,777.5	33,198.4	127.7	374.4	502.1
March 2018	12,021.3	23,491.4	35,512.6	118.9	447.9	566.8
Delaware						
March 2019	-	1,072.6	1,072.6	-	7.2	7.2
February 2019	-	994.6	994.6	-	6.6	6.6
March 2018	-	1,231.5	1,231.5	-	10.8	10.8
District of Columbia						
March 2019	-	157.6	157.6	-	2.5	2.5
February 2019	-	142.9	142.9	-	2.5	2.5
March 2018	-	163.6	163.6	-	4.0	4.0
Maryland						
March 2019	483.1	3,657.4	4,140.5	3.2	26.7	29.8
February 2019	449.6	3,541.8	3,991.3	3.0	25.9	28.9
March 2018	502.1	4,178.1	4,680.2	3.7	41.7	45.5
New Jersey						
March 2019	-	8,589.5	8,589.5	-	120.6	120.6
February 2019	-	8,529.8	8,529.8	-	118.8	118.8
March 2018	-	8,512.1	8,512.1	-	118.9	118.9
New York						
March 2019	5,215.9	6,455.5	11,671.4	76.3	202.3	278.6
February 2019	5,196.7	6,233.7	11,430.4	75.4	197.2	272.6
March 2018	5,553.5	6,965.6	12,519.0	60.5	244.7	305.3
Pennsylvania						
March 2019	5,803.5	2,383.3	8,186.8	51.1	24.1	75.2
February 2019	5,774.6	2,334.8	8,109.3	49.4	23.3	72.7
March 2018	5,965.7	2,440.4	8,406.1	54.6	27.7	82.3

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
United States						
March 2019	22,039.8	18,674.1	40,713.8	237,889.1	119,912.3	357,801.4
February 2019	21,345.8	18,541.8	39,887.5	231,031.7	119,047.7	350,079.4
March 2018	22,706.8	19,080.1	41,786.9	248,430.3	125,635.4	374,065.7
PAD District 1						
March 2019	7,066.3	6,310.3	13,376.6	73,078.6	44,948.0	118,026.6
February 2019	6,792.4	6,145.4	12,937.8	71,171.3	44,039.5	115,210.8
March 2018	7,429.2	6,388.8	13,818.0	75,628.9	47,498.7	123,127.6
Subdistrict 1A						
March 2019	102.6	1,612.7	1,715.4	1,637.2	13,382.2	15,019.4
February 2019	114.9	1,578.1	1,693.0	1,719.4	13,415.5	15,134.8
March 2018	126.7	1,619.9	1,746.6	1,788.5	14,417.2	16,205.7
Connecticut						
March 2019	-	493.7	493.7	-	3,598.1	3,598.1
February 2019	-	468.9	468.9	-	3,578.9	3,578.9
March 2018	-	530.7	530.7	-	4,171.0	4,171.0
Maine						
March 2019	36.5	81.7	118.2	664.7	1,098.0	1,762.7
February 2019	45.1	84.6	129.6	719.8	1,142.5	1,862.3
March 2018	41.3	77.5	118.8	670.3	1,151.3	1,821.6
Massachusetts						
March 2019	-	724.7	724.7	-	5,924.2	5,924.2
February 2019	-	707.2	707.2	-	5,865.1	5,865.1
March 2018	-	719.8	719.8	-	6,194.4	6,194.4
New Hampshire						
March 2019	16.3	112.4	128.7	303.0	1,138.2	1,441.2
February 2019	17.0	115.0	132.0	324.8	1,143.4	1,468.1
March 2018	24.6	91.0	115.6	315.7	1,104.4	1,420.1
Rhode Island						
March 2019	-	200.2	200.2	-	1,623.7	1,623.7
February 2019	-	202.5	202.5	-	1,685.6	1,685.6
March 2018	-	200.7	200.7	-	1,796.1	1,796.1
Vermont						
March 2019	49.8	-	49.8	669.5	-	669.5
February 2019	52.9	-	52.9	674.8	-	674.8
March 2018	60.9	-	60.9	802.5	-	802.5
Subdistrict 1B						
March 2019	942.7	3,955.2	4,897.9	12,575.6	26,654.5	39,230.2
February 2019	922.9	3,865.4	4,788.3	12,471.5	26,017.4	38,488.8
March 2018	1,035.1	4,008.0	5,043.1	13,175.3	27,947.2	41,122.5
Delaware						
March 2019	-	116.6	116.6	-	1,196.4	1,196.4
February 2019	-	110.8	110.8	-	1,112.0	1,112.0
March 2018	-	129.6	129.6	-	1,372.0	1,372.0
District of Columbia						
March 2019	-	32.1	32.1	-	192.3	192.3
February 2019	-	29.6	29.6	-	175.1	175.1
March 2018	-	32.9	32.9	-	200.5	200.5
Maryland						
March 2019	37.3	615.1	652.3	523.5	4,299.1	4,822.6
February 2019	32.4	602.9	635.2	484.9	4,170.5	4,655.4
March 2018	37.2	702.0	739.1	543.0	4,921.8	5,464.8
New Jersey						
March 2019	-	1,283.5	1,283.5	-	9,993.6	9,993.6
February 2019	-	1,277.8	1,277.8	-	9,926.4	9,926.4
March 2018	-	1,221.1	1,221.1	-	9,852.2	9,852.2
New York						
March 2019	428.2	1,547.6	1,975.8	5,720.3	8,205.4	13,925.7
February 2019	413.3	1,495.8	1,909.0	5,685.4	7,926.6	13,612.0
March 2018	441.6	1,569.2	2,010.9	6,055.6	8,779.5	14,835.2
Pennsylvania						
March 2019	477.3	360.3	837.6	6,331.8	2,767.7	9,099.5
February 2019	477.3	348.6	825.9	6,301.2	2,706.7	9,007.9
March 2018	556.3	353.1	909.5	6,576.7	2,821.2	9,397.9

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						
March 2019	51,671.6	4,107.8	55,779.4	1,173.2	61.2	1,234.3
February 2019	50,125.9	3,844.7	53,970.6	1,100.0	60.1	1,160.1
March 2018	53,198.2	4,293.2	57,491.4	1,199.7	80.0	1,279.7
Florida						
March 2019	17,485.5	-	17,485.5	315.5	-	315.5
February 2019	17,550.3	-	17,550.3	298.0	-	298.0
March 2018	18,064.2	-	18,064.2	325.7	-	325.7
Georgia						
March 2019	12,104.3	-	12,104.3	346.1	-	346.1
February 2019	11,515.8	-	11,515.8	322.0	-	322.0
March 2018	12,080.6	-	12,080.6	348.1	-	348.1
North Carolina						
March 2019	10,397.5	-	10,397.5	261.6	-	261.6
February 2019	10,088.2	-	10,088.2	246.5	-	246.5
March 2018	10,926.0	-	10,926.0	269.5	-	269.5
South Carolina						
March 2019	6,361.4	-	6,361.4	178.0	-	178.0
February 2019	6,066.7	-	6,066.7	163.6	-	163.6
March 2018	6,479.7	-	6,479.7	174.4	-	174.4
Virginia						
March 2019	3,548.5	4,107.8	7,656.4	55.0	61.2	116.1
February 2019	3,273.2	3,844.7	7,117.9	55.8	60.1	115.9
March 2018	3,700.8	4,293.2	7,994.0	65.0	80.0	145.0
West Virginia						
March 2019	1,774.5	-	1,774.5	16.9	-	16.9
February 2019	1,631.9	-	1,631.9	14.1	-	14.1
March 2018	1,947.0	-	1,947.0	16.9	-	16.9
PAD District 2						
March 2019	75,717.1	13,056.5	88,773.6	1,035.7	174.9	1,210.6
February 2019	72,997.3	12,867.8	85,865.1	1,004.2	170.0	1,174.2
March 2018	76,504.5	13,500.4	90,005.0	1,122.8	195.4	1,318.3
Illinois						
March 2019	4,155.9	7,044.4	11,200.3	54.4	79.4	133.8
February 2019	3,917.1	6,990.5	10,907.6	49.7	79.5	129.2
March 2018	4,339.5	7,092.7	11,432.3	67.3	92.2	159.5
Indiana						
March 2019	6,402.5	1,002.0	7,404.6	78.5	20.8	99.4
February 2019	6,273.3	952.5	7,225.8	73.5	19.6	93.1
March 2018	6,562.3	1,047.0	7,609.3	88.3	22.0	110.3
Iowa						
March 2019	2,517.2	-	2,517.2	79.3	-	79.3
February 2019	2,335.5	-	2,335.5	78.6	-	78.6
March 2018	2,428.1	-	2,428.1	87.6	-	87.6
Kansas						
March 2019	3,922.7	-	3,922.7	51.8	-	51.8
February 2019	3,761.4	-	3,761.4	48.1	-	48.1
March 2018	4,029.6	-	4,029.6	53.5	-	53.5
Kentucky						
March 2019	4,306.5	867.5	5,174.1	54.0	16.5	70.5
February 2019	4,051.0	845.3	4,896.3	48.8	14.9	63.8
March 2018	4,008.0	1,157.5	5,165.5	57.3	19.3	76.5
Michigan						
March 2019	11,478.3	-	11,478.3	70.1	-	70.1
February 2019	11,165.1	-	11,165.1	70.8	-	70.8
March 2018	11,649.2	-	11,649.2	72.3	-	72.3
Minnesota						
March 2019	5,178.6	-	5,178.6	99.5	-	99.5
February 2019	5,182.0	-	5,182.0	104.7	-	104.7
March 2018	5,032.3	-	5,032.3	111.6	-	111.6
Missouri						
March 2019	4,712.0	2,291.7	7,003.7	65.8	39.6	105.4
February 2019	4,332.5	2,218.0	6,550.5	67.1	37.5	104.6
March 2018	4,851.6	2,243.6	7,095.2	80.9	42.3	123.2

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
March 2019	6,021.0	742.4	6,763.4	58,865.7	4,911.4	63,777.1
February 2019	5,754.6	701.8	6,456.4	56,980.5	4,606.6	61,587.1
March 2018	6,267.3	761.0	7,028.3	60,665.2	5,134.3	65,799.4
Florida						
March 2019	2,400.0	-	2,400.0	20,201.0	-	20,201.0
February 2019	2,320.8	-	2,320.8	20,169.0	-	20,169.0
March 2018	2,582.6	-	2,582.6	20,972.5	-	20,972.5
Georgia						
March 2019	1,474.8	-	1,474.8	13,925.2	-	13,925.2
February 2019	1,384.6	-	1,384.6	13,222.4	-	13,222.4
March 2018	1,510.1	-	1,510.1	13,938.8	-	13,938.8
North Carolina						
March 2019	1,167.7	-	1,167.7	11,826.8	-	11,826.8
February 2019	1,122.5	-	1,122.5	11,457.1	-	11,457.1
March 2018	1,166.5	-	1,166.5	12,362.0	-	12,362.0
South Carolina						
March 2019	638.2	-	638.2	7,177.5	-	7,177.5
February 2019	605.3	-	605.3	6,835.5	-	6,835.5
March 2018	635.1	-	635.1	7,289.2	-	7,289.2
Virginia						
March 2019	258.1	742.4	1,000.4	3,861.5	4,911.4	8,772.9
February 2019	247.4	701.8	949.2	3,576.3	4,606.6	8,183.0
March 2018	289.1	761.0	1,050.1	4,054.8	5,134.3	9,189.1
West Virginia						
March 2019	82.3	-	82.3	1,873.7	-	1,873.7
February 2019	74.1	-	74.1	1,720.1	-	1,720.1
March 2018	83.9	-	83.9	2,047.8	-	2,047.8
PAD District 2						
March 2019	5,593.9	1,458.7	7,052.6	82,346.7	14,690.1	97,036.8
February 2019	5,586.9	1,452.3	7,039.2	79,588.4	14,490.1	94,078.5
March 2018	5,614.3	1,506.0	7,120.3	83,241.7	15,201.8	98,443.5
Illinois						
March 2019	196.1	927.5	1,123.6	4,406.5	8,051.3	12,457.7
February 2019	186.0	930.8	1,116.8	4,152.8	8,000.8	12,153.6
March 2018	200.1	940.4	1,140.5	4,607.0	8,125.3	12,732.3
Indiana						
March 2019	406.4	91.0	497.4	6,887.5	1,113.9	8,001.4
February 2019	388.1	85.1	473.2	6,734.9	1,057.2	7,792.1
March 2018	401.2	109.4	510.5	7,051.7	1,178.4	8,230.1
Iowa						
March 2019	279.7	-	279.7	2,876.3	-	2,876.3
February 2019	244.5	-	244.5	2,658.6	-	2,658.6
March 2018	268.1	-	268.1	2,783.8	-	2,783.8
Kansas						
March 2019	313.8	-	313.8	4,288.3	-	4,288.3
February 2019	289.0	-	289.0	4,098.5	-	4,098.5
March 2018	310.2	-	310.2	4,393.2	-	4,393.2
Kentucky						
March 2019	227.7	80.8	308.5	4,588.3	964.8	5,553.1
February 2019	210.1	76.5	286.6	4,309.9	936.7	5,246.6
March 2018	214.4	97.4	311.7	4,279.7	1,274.1	5,553.8
Michigan						
March 2019	628.5	-	628.5	12,176.9	-	12,176.9
February 2019	648.9	-	648.9	11,884.7	-	11,884.7
March 2018	640.1	-	640.1	12,361.5	-	12,361.5
Minnesota						
March 2019	486.7	-	486.7	5,764.8	-	5,764.8
February 2019	536.9	-	536.9	5,823.5	-	5,823.5
March 2018	454.9	-	454.9	5,598.9	-	5,598.9
Missouri						
March 2019	346.9	205.4	552.3	5,124.6	2,536.8	7,661.5
February 2019	295.9	205.1	501.1	4,695.5	2,460.6	7,156.1
March 2018	349.2	193.1	542.2	5,281.7	2,478.9	7,760.6

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						
March 2019	1,887.1	-	1,887.1	39.6	-	39.6
February 2019	1,855.0	-	1,855.0	36.3	-	36.3
March 2018	1,889.4	-	1,889.4	39.5	-	39.5
North Dakota						
March 2019	821.9	-	821.9	19.8	-	19.8
February 2019	886.9	-	886.9	25.9	-	25.9
March 2018	843.8	-	843.8	24.2	-	24.2
Ohio						
March 2019	12,292.4	-	12,292.4	139.7	-	139.7
February 2019	11,697.7	-	11,697.7	133.6	-	133.6
March 2018	12,054.8	-	12,054.8	149.3	-	149.3
Oklahoma						
March 2019	4,755.6	-	4,755.6	63.7	-	63.7
February 2019	4,841.4	-	4,841.4	62.4	-	62.4
March 2018	5,126.3	-	5,126.3	68.6	-	68.6
South Dakota						
March 2019	939.9	-	939.9	20.7	-	20.7
February 2019	964.8	-	964.8	18.8	-	18.8
March 2018	947.6	-	947.6	23.9	-	23.9
Tennessee						
March 2019	8,317.8	-	8,317.8	162.8	-	162.8
February 2019	7,848.9	-	7,848.9	148.1	-	148.1
March 2018	8,720.6	-	8,720.6	159.4	-	159.4
Wisconsin						
March 2019	4,028.7	1,850.8	5,879.5	36.0	NA	54.5
February 2019	3,885.0	1,861.5	5,746.5	37.8	18.5	56.3
March 2018	4,021.3	1,959.6	5,980.9	39.1	19.6	58.8
PAD District 3						
March 2019	43,247.3	15,197.1	58,444.4	551.7	255.9	807.7
February 2019	42,426.0	14,766.0	57,192.0	514.9	250.5	765.4
March 2018	49,587.7	15,672.7	65,260.4	619.3	286.2	905.5
Alabama						
March 2019	6,330.5	-	6,330.5	89.4	-	89.4
February 2019	5,954.5	-	5,954.5	78.5	-	78.5
March 2018	6,184.5	-	6,184.5	83.9	-	83.9
Arkansas						
March 2019	3,450.5	-	3,450.5	39.3	-	39.3
February 2019	3,351.6	-	3,351.6	35.2	-	35.2
March 2018	3,662.3	-	3,662.3	42.5	-	42.5
Louisiana						
March 2019	6,352.8	-	6,352.8	52.6	-	52.6
February 2019	6,720.5	-	6,720.5	49.6	-	49.6
March 2018	8,049.3	-	8,049.3	60.3	-	60.3
Mississippi						
March 2019	3,948.4	-	3,948.4	52.7	-	52.7
February 2019	4,187.7	-	4,187.7	48.2	-	48.2
March 2018	4,269.2	-	4,269.2	56.5	-	56.5
New Mexico						
March 2019	2,366.7	-	2,366.7	83.8	-	83.8
February 2019	2,197.6	-	2,197.6	79.0	-	79.0
March 2018	2,540.7	-	2,540.7	93.4	-	93.4
Texas						
March 2019	20,798.5	15,197.1	35,995.5	233.9	255.9	489.8
February 2019	20,014.1	14,766.0	34,780.1	224.5	250.5	475.0
March 2018	24,881.7	15,672.7	40,554.4	282.9	286.2	569.1

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
March 2019	203.1	-	203.1	2,129.8	-	2,129.8
February 2019	191.0	-	191.0	2,082.3	-	2,082.3
March 2018	209.9	-	209.9	2,138.8	-	2,138.8
North Dakota						
March 2019	90.3	-	90.3	932.0	-	932.0
February 2019	103.0	-	103.0	1,015.7	-	1,015.7
March 2018	76.2	-	76.2	944.2	-	944.2
Ohio						
March 2019	780.4	-	780.4	13,212.5	-	13,212.5
February 2019	774.6	-	774.6	12,605.9	-	12,605.9
March 2018	791.6	-	791.6	12,995.7	-	12,995.7
Oklahoma						
March 2019	451.6	-	451.6	5,270.8	-	5,270.8
February 2019	511.9	-	511.9	5,415.6	-	5,415.6
March 2018	471.8	-	471.8	5,666.7	-	5,666.7
South Dakota						
March 2019	90.9	-	90.9	1,051.5	-	1,051.5
February 2019	88.6	-	88.6	1,072.1	-	1,072.1
March 2018	88.7	-	88.7	1,060.2	-	1,060.2
Tennessee						
March 2019	780.4	-	780.4	9,261.0	-	9,261.0
February 2019	732.6	-	732.6	8,729.6	-	8,729.6
March 2018	842.3	-	842.3	9,722.3	-	9,722.3
Wisconsin						
March 2019	311.3	153.9	465.2	4,376.0	2,023.3	6,399.3
February 2019	386.0	154.8	540.8	4,308.7	2,034.9	6,343.6
March 2018	295.8	165.8	461.6	4,356.3	2,145.1	6,501.4
PAD District 3						
March 2019	3,781.3	2,103.1	5,884.4	47,580.4	17,556.1	65,136.5
February 2019	3,630.7	2,091.9	5,722.6	46,571.6	17,108.4	63,680.0
March 2018	4,073.5	2,195.1	6,268.6	54,280.5	18,154.0	72,434.5
Alabama						
March 2019	531.2	-	531.2	6,951.1	-	6,951.1
February 2019	501.7	-	501.7	6,534.6	-	6,534.6
March 2018	512.8	-	512.8	6,781.2	-	6,781.2
Arkansas						
March 2019	296.2	-	296.2	3,786.0	-	3,786.0
February 2019	292.9	-	292.9	3,679.7	-	3,679.7
March 2018	291.2	-	291.2	3,996.0	-	3,996.0
Louisiana						
March 2019	573.0	-	573.0	6,978.4	-	6,978.4
February 2019	592.0	-	592.0	7,362.1	-	7,362.1
March 2018	577.4	-	577.4	8,686.9	-	8,686.9
Mississippi						
March 2019	289.9	-	289.9	4,291.0	-	4,291.0
February 2019	262.6	-	262.6	4,498.5	-	4,498.5
March 2018	309.6	-	309.6	4,635.3	-	4,635.3
New Mexico						
March 2019	298.7	-	298.7	2,749.3	-	2,749.3
February 2019	277.0	-	277.0	2,553.6	-	2,553.6
March 2018	314.5	-	314.5	2,948.6	-	2,948.6
Texas						
March 2019	1,792.3	2,103.1	3,895.4	22,824.6	17,556.1	40,380.7
February 2019	1,704.5	2,091.9	3,796.5	21,943.1	17,108.4	39,051.5
March 2018	2,068.0	2,195.1	4,263.1	27,232.6	18,154.0	45,386.6

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						
March 2019	11,862.2	-	11,862.2	291.5	-	291.5
February 2019	11,668.8	-	11,668.8	278.2	-	278.2
March 2018	12,089.8	-	12,089.8	307.9	-	307.9
Colorado						
March 2019	5,076.8	-	5,076.8	118.8	-	118.8
February 2019	5,120.1	-	5,120.1	114.8	-	114.8
March 2018	5,295.8	-	5,295.8	127.9	-	127.9
Idaho						
March 2019	1,706.3	-	1,706.3	20.7	-	20.7
February 2019	1,609.3	-	1,609.3	20.1	-	20.1
March 2018	1,667.7	-	1,667.7	22.1	-	22.1
Montana						
March 2019	1,406.4	-	1,406.4	65.9	-	65.9
February 2019	1,368.7	-	1,368.7	64.6	-	64.6
March 2018	1,466.9	-	1,466.9	67.6	-	67.6
Utah						
March 2019	2,869.8	-	2,869.8	67.3	-	67.3
February 2019	2,785.1	-	2,785.1	61.5	-	61.5
March 2018	2,858.6	-	2,858.6	73.6	-	73.6
Wyoming						
March 2019	803.0	-	803.0	18.8	-	18.8
February 2019	785.5	-	785.5	17.1	-	17.1
March 2018	800.8	-	800.8	16.7	-	16.7
PAD District 5						
March 2019	16,814.7	32,996.6	49,811.3	316.7	919.5	1,236.2
February 2019	16,122.8	33,643.5	49,766.4	294.8	914.0	1,208.8
March 2018	16,948.3	34,810.5	51,758.8	343.4	980.2	1,323.5
Alaska						
March 2019	W	W	550.9	W	-	W
February 2019	588.7	-	588.7	W	-	W
March 2018	576.1	-	576.1	W	-	W
Arizona						
March 2019	W	W	7,137.7	W	W	143.0
February 2019	2,745.7	4,448.4	7,194.0	W	W	128.4
March 2018	W	W	7,587.8	W	W	142.6
California						
March 2019	-	28,624.1	28,624.1	-	W	834.0
February 2019	-	29,195.2	29,195.2	-	W	837.6
March 2018	-	30,195.3	30,195.3	-	W	893.6
Hawaii						
March 2019	961.1	-	961.1	W	-	W
February 2019	955.5	-	955.5	W	-	W
March 2018	943.6	-	943.6	W	-	W
Nevada						
March 2019	2,615.1	-	2,615.1	64.0	-	64.0
February 2019	2,392.9	-	2,392.9	62.7	-	62.7
March 2018	W	W	2,519.7	82.4	-	82.4
Oregon						
March 2019	3,384.8	-	3,384.8	24.8	-	24.8
February 2019	3,592.0	-	3,592.0	21.4	-	21.4
March 2018	3,495.9	-	3,495.9	28.1	-	28.1
Washington						
March 2019	6,537.5	-	6,537.5	85.0	-	85.0
February 2019	5,848.0	-	5,848.0	77.6	-	77.6
March 2018	6,440.4	-	6,440.4	90.7	-	90.7

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
March 2019	2,576.8	-	2,576.8	14,730.5	-	14,730.5
February 2019	2,533.5	-	2,533.5	14,480.5	-	14,480.5
March 2018	2,601.5	-	2,601.5	14,999.2	-	14,999.2
Colorado						
March 2019	1,051.2	-	1,051.2	6,246.8	-	6,246.8
February 2019	1,064.6	-	1,064.6	6,299.5	-	6,299.5
March 2018	1,112.3	-	1,112.3	6,536.1	-	6,536.1
Idaho						
March 2019	290.0	-	290.0	2,016.9	-	2,016.9
February 2019	273.1	-	273.1	1,902.5	-	1,902.5
March 2018	275.6	-	275.6	1,965.5	-	1,965.5
Montana						
March 2019	272.1	-	272.1	1,744.4	-	1,744.4
February 2019	260.9	-	260.9	1,694.2	-	1,694.2
March 2018	259.7	-	259.7	1,794.2	-	1,794.2
Utah						
March 2019	812.5	-	812.5	3,749.6	-	3,749.6
February 2019	780.1	-	780.1	3,626.6	-	3,626.6
March 2018	799.2	-	799.2	3,731.4	-	3,731.4
Wyoming						
March 2019	151.0	-	151.0	972.8	-	972.8
February 2019	154.9	-	154.9	957.6	-	957.6
March 2018	154.6	-	154.6	972.1	-	972.1
PAD District 5						
March 2019	3,021.5	8,801.9	11,823.4	20,152.9	42,718.0	62,870.9
February 2019	2,802.4	8,852.1	11,654.5	19,220.0	43,409.7	62,629.7
March 2018	2,988.4	8,990.2	11,978.6	20,280.0	44,780.9	65,060.9
Alaska						
March 2019	W	-	W	W	W	629.8
February 2019	W	-	W	667.6	-	667.6
March 2018	W	-	W	655.4	-	655.4
Arizona						
March 2019	W	W	972.0	W	W	8,252.7
February 2019	W	W	957.6	3,192.3	5,087.7	8,280.0
March 2018	W	W	1,046.3	W	W	8,776.6
California						
March 2019	-	W	8,217.2	-	37,675.3	37,675.3
February 2019	-	W	8,289.2	-	38,322.0	38,322.0
March 2018	-	W	8,340.9	-	39,429.8	39,429.8
Hawaii						
March 2019	W	-	W	1,265.5	-	1,265.5
February 2019	W	-	W	1,257.3	-	1,257.3
March 2018	W	-	W	1,252.1	-	1,252.1
Nevada						
March 2019	613.8	-	613.8	3,292.9	-	3,292.9
February 2019	568.5	-	568.5	3,024.2	-	3,024.2
March 2018	593.0	-	593.0	W	W	3,195.1
Oregon						
March 2019	463.1	-	463.1	3,872.7	-	3,872.7
February 2019	447.8	-	447.8	4,061.2	-	4,061.2
March 2018	474.4	-	474.4	3,998.3	-	3,998.3
Washington						
March 2019	1,259.5	-	1,259.5	7,882.0	-	7,882.0
February 2019	1,091.8	-	1,091.8	7,017.4	-	7,017.4
March 2018	1,222.5	-	1,222.5	7,753.6	-	7,753.6

- = 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 2018 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							
March 2019	392.1	62,967.2	W	35,257.0	973.4	11,849.5	12,822.9
February 2019	325.3	62,621.8	W	45,915.1	1,488.3	11,183.5	12,671.8
March 2018	350.5	63,288.5	W	35,738.2	1,250.1	11,479.6	12,729.8
PAD District 1							
March 2019	138.1	14,751.9	W	9,376.6	125.9	4,225.2	4,351.0
February 2019	126.9	14,826.9	W	12,162.6	328.3	3,934.8	4,263.1
March 2018	115.1	14,432.5	W	10,066.4	287.9	4,401.0	4,688.9
Subdistrict 1A							
March 2019	14.0	1,446.3	W	2,254.0	W	W	70.8
February 2019	12.0	1,289.4	W	2,805.3	W	W	162.0
March 2018	9.0	1,356.7	W	2,332.3	W	W	46.3
Connecticut							
March 2019	2.2	205.4	-	205.3	W	-	W
February 2019	1.4	196.6	-	300.9	W	-	W
March 2018	W	173.0	-	251.7	-	-	-
Maine							
March 2019	2.1	92.5	-	592.5	W	W	29.5
February 2019	1.6	79.8	W	692.4	W	W	33.2
March 2018	W	59.4	-	556.3	W	W	11.9
Massachusetts							
March 2019	6.2	1,001.8	W	367.8	W	-	W
February 2019	6.7	873.1	W	506.6	W	-	W
March 2018	5.4	964.7	W	495.2	W	W	W
New Hampshire							
March 2019	2.7	55.8	W	624.3	W	-	W
February 2019	1.5	49.3	W	677.3	W	-	W
March 2018	W	49.1	W	571.6	W	W	W
Rhode Island							
March 2019	W	68.8	W	45.7	W	W	10.1
February 2019	W	68.4	W	56.8	W	-	W
March 2018	W	88.4	W	69.8	W	-	W
Vermont							
March 2019	W	22.0	W	418.4	W	-	W
February 2019	W	22.3	W	571.4	W	-	W
March 2018	W	22.2	W	387.7	W	W	W
Subdistrict 1B							
March 2019	23.7	8,060.9	W	3,639.5	73.0	2,695.0	2,768.0
February 2019	19.5	8,576.5	W	4,946.0	149.5	2,492.3	2,641.8
March 2018	19.0	8,014.5	W	4,005.2	W	W	2,939.5
Delaware							
March 2019	0.9	W	-	187.5	-	W	W
February 2019	2.1	W	-	277.5	-	-	-
March 2018	W	10.4	-	178.8	W	-	W
District of Columbia							
March 2019	-	W	-	-	-	-	-
February 2019	-	W	-	-	-	-	-
March 2018	-	-	-	-	-	-	-
Maryland							
March 2019	4.9	200.1	-	352.0	-	W	W
February 2019	2.7	180.7	-	512.7	-	W	W
March 2018	W	200.9	-	428.6	-	W	W
New Jersey							
March 2019	4.8	2,369.3	W	230.8	W	W	1,868.4
February 2019	2.8	2,869.5	W	262.5	W	W	2,014.1
March 2018	4.1	2,533.3	W	283.3	W	W	1,884.1
New York							
March 2019	6.7	3,396.5	W	1,472.4	W	W	551.4
February 2019	6.7	3,298.9	W	1,800.3	W	W	499.8
March 2018	5.8	3,382.3	W	1,377.6	W	W	769.0
Pennsylvania							
March 2019	6.4	2,082.0	-	1,396.9	W	W	W
February 2019	5.3	2,213.1	-	2,093.0	W	W	W
March 2018	4.4	1,887.6	-	1,736.9	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							
March 2019	100.3	5,244.7	-	3,483.1	W	W	1,512.3
February 2019	95.4	4,961.0	-	4,411.4	W	W	1,459.3
March 2018	87.1	5,061.2	-	3,728.9	-	1,703.1	1,703.1
Florida							
March 2019	61.3	3,286.9	-	630.6	-	1,433.6	1,433.6
February 2019	60.5	2,910.8	-	705.6	-	1,260.4	1,260.4
March 2018	55.7	3,271.7	-	676.9	-	1,311.3	1,311.3
Georgia							
March 2019	14.8	325.8	-	450.5	-	57.2	57.2
February 2019	12.7	436.6	-	564.7	W	W	W
March 2018	11.6	259.2	-	613.8	-	57.6	57.6
North Carolina							
March 2019	9.0	417.6	-	1,004.1	-	4.7	4.7
February 2019	7.1	424.3	-	1,262.5	-	W	W
March 2018	8.5	322.6	-	1,045.0	-	W	W
South Carolina							
March 2019	5.7	218.5	-	526.3	-	W	W
February 2019	W	218.5	-	708.0	-	24.5	24.5
March 2018	5.4	250.0	-	573.0	-	W	W
Virginia							
March 2019	8.3	977.2	-	714.9	W	W	W
February 2019	7.9	949.4	-	953.8	-	W	W
March 2018	5.1	938.2	-	660.9	-	W	W
West Virginia							
March 2019	1.3	18.7	-	156.7	-	W	W
February 2019	W	21.4	-	216.7	-	W	W
March 2018	0.8	19.5	-	159.3	-	-	-
PAD District 2							
March 2019	73.2	10,543.1	-	12,002.8	W	29.7	W
February 2019	47.3	10,063.1	-	18,387.0	W	W	W
March 2018	76.0	10,646.0	W	10,356.0	-	W	W
Illinois							
March 2019	5.5	2,824.4	-	1,334.5	-	-	-
February 2019	5.3	2,539.0	-	1,946.3	-	-	-
March 2018	7.2	2,769.2	-	1,099.7	-	W	W
Indiana							
March 2019	5.9	996.5	-	558.3	-	W	W
February 2019	4.5	1,120.8	-	863.2	-	W	W
March 2018	5.4	1,115.6	-	545.6	-	W	W
Iowa							
March 2019	3.3	98.5	-	1,186.4	-	-	-
February 2019	1.9	95.1	-	2,204.8	-	-	-
March 2018	2.9	94.5	-	1,018.6	-	-	-
Kansas							
March 2019	4.9	120.1	-	746.7	-	W	W
February 2019	4.3	133.4	-	1,333.8	-	-	-
March 2018	5.1	352.6	-	753.2	-	-	-
Kentucky							
March 2019	3.8	1,364.8	-	410.2	-	-	-
February 2019	1.5	1,390.0	-	500.7	-	-	-
March 2018	2.1	1,415.4	W	461.5	-	-	-
Michigan							
March 2019	5.2	601.1	-	1,171.5	-	W	W
February 2019	2.4	492.5	-	1,708.0	-	W	W
March 2018	8.0	669.2	-	1,227.4	-	W	W
Minnesota							
March 2019	5.9	367.5	-	1,061.7	-	W	W
February 2019	3.2	379.5	-	1,881.0	-	W	W
March 2018	6.1	387.2	-	839.2	-	W	W
Missouri							
March 2019	5.7	350.5	-	1,083.4	-	-	-
February 2019	3.9	313.4	-	1,671.1	-	-	-
March 2018	6.5	293.9	-	803.6	-	-	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 2 (cont.)							
Nebraska							
March 2019	W	179.7	-	425.9	-	W	W
February 2019	W	178.4	-	675.6	-	-	-
March 2018	3.8	166.1	-	301.5	-	-	-
North Dakota							
March 2019	3.5	93.4	-	589.0	-	-	-
February 2019	W	86.1	-	912.3	-	-	-
March 2018	W	75.2	-	540.5	-	-	-
Ohio							
March 2019	7.3	1,021.8	-	1,036.9	W	-	W
February 2019	3.8	979.9	-	1,465.6	W	-	W
March 2018	7.3	971.5	-	896.2	-	W	W
Oklahoma							
March 2019	6.6	767.0	-	621.5	-	-	-
February 2019	4.8	712.2	-	475.2	-	-	-
March 2018	5.4	690.1	-	235.8	-	-	-
South Dakota							
March 2019	W	41.9	-	272.7	-	W	W
February 2019	1.3	34.6	-	460.6	-	W	W
March 2018	W	35.9	-	251.0	-	W	W
Tennessee							
March 2019	7.9	1,508.5	-	266.0	-	W	W
February 2019	6.0	1,405.8	-	383.6	-	W	W
March 2018	7.2	1,423.4	-	235.5	-	W	W
Wisconsin							
March 2019	3.8	207.4	-	1,238.2	-	7.5	7.5
February 2019	1.6	202.3	-	1,905.3	-	W	W
March 2018	5.4	186.2	-	1,146.7	-	W	W
PAD District 3							
March 2019	64.5	16,421.0	-	9,487.2	W	W	3,593.8
February 2019	50.7	16,513.2	-	10,626.9	W	W	3,714.1
March 2018	71.9	16,264.3	-	10,915.7	W	W	3,563.6
Alabama							
March 2019	7.6	313.6	-	273.3	-	W	W
February 2019	4.4	212.0	-	394.8	-	W	W
March 2018	6.2	383.0	-	293.1	-	W	W
Arkansas							
March 2019	4.8	237.6	-	209.4	-	-	-
February 2019	3.7	177.8	-	273.9	-	-	-
March 2018	4.6	128.9	-	170.3	-	-	-
Louisiana							
March 2019	6.2	3,198.2	-	1,023.2	-	913.6	913.6
February 2019	4.4	3,750.1	-	1,131.6	-	1,170.4	1,170.4
March 2018	5.6	3,529.4	-	851.0	W	W	816.6
Mississippi							
March 2019	3.3	2,184.8	-	290.1	-	W	W
February 2019	3.5	1,312.4	-	350.9	-	W	W
March 2018	3.4	1,569.8	-	289.0	-	W	W
New Mexico							
March 2019	3.2	130.7	-	249.1	-	-	-
February 2019	2.4	129.2	-	274.9	-	-	-
March 2018	2.5	128.8	-	243.6	-	-	-
Texas							
March 2019	39.5	10,356.0	-	7,442.1	W	W	2,573.1
February 2019	32.2	10,931.7	-	8,200.9	W	W	2,456.6
March 2018	49.5	10,524.4	-	9,068.8	88.1	2,569.6	2,657.7

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							
March 2019	22.2	1,998.4	-	1,408.0	-	W	W
February 2019	20.7	2,120.6	-	1,502.4	-	W	W
March 2018	16.1	2,353.6	-	1,261.6	-	W	W
Colorado							
March 2019	8.1	988.8	-	435.6	-	-	-
February 2019	7.8	1,090.0	-	479.8	-	-	-
March 2018	7.0	1,297.1	-	394.6	-	-	-
Idaho							
March 2019	4.0	106.1	-	137.3	-	-	-
February 2019	W	92.5	-	146.6	-	-	-
March 2018	3.4	98.5	-	135.3	-	-	-
Montana							
March 2019	3.5	131.1	-	315.9	-	-	-
February 2019	2.6	125.5	-	347.5	-	-	-
March 2018	W	117.7	-	263.3	-	-	-
Utah							
March 2019	5.5	716.7	-	165.1	-	-	-
February 2019	5.0	717.7	-	143.6	-	-	-
March 2018	3.5	766.9	-	158.9	-	-	-
Wyoming							
March 2019	1.0	55.7	-	354.0	-	W	W
February 2019	W	95.0	-	384.9	-	W	W
March 2018	W	73.3	-	309.6	-	W	W
PAD District 5							
March 2019	94.1	19,252.7	-	2,982.4	W	W	4,840.2
February 2019	79.7	19,098.1	-	3,236.2	1,140.6	3,526.5	4,667.1
March 2018	71.5	19,592.2	-	3,138.5	W	W	4,432.4
Alaska							
March 2019	W	1,640.4	-	W	-	-	-
February 2019	W	1,534.8	-	W	-	-	-
March 2018	W	1,777.1	-	W	-	-	-
Arizona							
March 2019	23.1	542.5	-	353.8	-	-	-
February 2019	21.3	523.0	-	417.7	-	-	-
March 2018	19.7	512.5	-	297.2	-	-	-
California							
March 2019	41.9	12,018.2	-	1,545.0	W	W	2,044.2
February 2019	40.2	12,663.9	-	1,715.0	W	W	2,037.4
March 2018	34.0	12,044.7	-	1,729.6	W	W	2,282.0
Hawaii							
March 2019	W	1,644.3	-	W	W	218.3	W
February 2019	W	1,496.2	-	W	W	177.3	W
March 2018	W	1,587.2	-	W	W	174.5	W
Nevada							
March 2019	3.1	651.1	-	127.8	-	-	-
February 2019	3.5	607.9	-	138.6	-	-	-
March 2018	W	637.3	-	181.9	-	-	-
Oregon							
March 2019	12.7	495.2	-	208.3	-	W	W
February 2019	6.3	459.3	-	212.4	W	W	W
March 2018	6.3	491.9	-	187.5	-	-	-
Washington							
March 2019	9.5	2,261.1	-	695.8	-	1,720.6	1,720.6
February 2019	6.4	1,813.0	-	700.4	-	1,311.2	1,311.2
March 2018	5.4	2,541.4	-	686.2	-	W	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2018 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								
March 2019	W	1,592.3	12,643.4	155,878.2	W	W	170,246.3	173,113.1
February 2019	W	3,799.3	15,995.9	157,685.2	W	W	175,117.2	180,606.9
March 2018	W	1,267.6	12,175.7	162,300.9	167.8	1,788.0	176,432.4	178,969.4
PAD District 1								
March 2019	387.4	W	12,059.4	39,941.5	-	377.5	52,378.4	53,020.8
February 2019	605.8	W	15,723.1	41,426.6	-	221.3	57,371.0	58,371.2
March 2018	368.0	W	11,580.5	40,267.5	-	208.4	52,056.4	52,559.6
Subdistrict 1A								
March 2019	154.8	W	5,724.2	W	-	W	9,523.5	9,722.5
February 2019	W	W	7,320.1	W	-	W	11,239.2	11,536.4
March 2018	133.4	W	5,924.2	W	-	W	9,141.3	9,301.1
Connecticut								
March 2019	W	W	1,237.1	683.5	-	-	1,920.5	1,932.7
February 2019	6.8	15.3	1,581.2	731.4	-	-	2,312.6	2,334.6
March 2018	3.7	4.7	1,347.3	664.0	-	-	2,011.3	2,019.7
Maine								
March 2019	W	W	1,172.4	W	-	W	1,837.1	1,943.5
February 2019	143.5	W	1,533.4	W	-	W	2,335.3	2,491.8
March 2018	W	W	1,118.8	W	-	W	1,711.6	1,802.3
Massachusetts								
March 2019	W	6.8	1,681.9	1,523.5	-	-	3,205.3	3,231.4
February 2019	W	14.0	2,177.2	W	-	W	3,636.9	3,672.3
March 2018	W	4.8	1,682.8	1,089.5	-	-	2,772.4	2,788.1
New Hampshire								
March 2019	21.5	W	747.2	334.6	-	-	1,081.8	1,114.3
February 2019	28.7	W	888.1	373.4	-	-	1,261.4	1,308.0
March 2018	23.4	W	763.5	322.1	-	-	1,085.6	1,118.2
Rhode Island								
March 2019	1.1	W	495.0	W	-	W	878.0	880.6
February 2019	1.1	W	648.9	W	-	W	1,011.3	1,013.8
March 2018	W	W	677.3	393.5	-	-	1,070.9	1,071.9
Vermont								
March 2019	14.3	W	390.6	210.1	-	-	600.7	620.0
February 2019	25.7	W	491.3	190.5	-	-	681.8	716.1
March 2018	6.5	W	334.5	155.1	-	-	489.6	500.8
Subdistrict 1B								
March 2019	178.7	W	6,219.5	W	-	W	20,073.0	20,452.5
February 2019	289.5	W	8,244.1	W	-	W	23,195.4	23,741.4
March 2018	177.7	W	5,574.0	W	-	W	19,158.2	19,428.4
Delaware								
March 2019	2.5	-	W	255.4	-	W	278.1	280.6
February 2019	W	-	W	W	-	-	W	302.4
March 2018	W	-	W	W	-	-	W	507.4
District of Columbia								
March 2019	-	-	W	W	-	-	45.4	45.4
February 2019	W	-	W	W	-	-	W	49.3
March 2018	-	-	W	W	-	-	46.0	46.0
Maryland								
March 2019	14.5	-	336.1	W	-	W	2,003.8	2,018.4
February 2019	22.7	-	648.8	W	-	W	2,413.3	2,436.0
March 2018	W	-	434.9	1,695.5	-	W	W	2,151.6
New Jersey								
March 2019	W	-	1,748.4	W	-	W	5,592.1	5,596.4
February 2019	9.8	W	2,019.6	W	-	W	6,675.2	6,689.9
March 2018	14.9	W	886.6	W	-	W	4,632.6	4,648.9
New York								
March 2019	109.3	W	2,789.9	W	-	W	6,038.4	6,342.4
February 2019	W	34.4	3,568.9	W	-	W	6,703.6	7,117.9
March 2018	89.7	W	2,596.4	W	-	W	5,838.5	6,018.1
Pennsylvania								
March 2019	W	W	1,317.0	W	-	W	6,115.3	6,169.3
February 2019	86.1	4.0	1,972.1	W	-	W	7,055.8	7,145.9
March 2018	W	W	1,504.5	W	-	W	6,002.1	6,056.3

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								
March 2019	53.9	10.2	115.6	W	-	W	22,781.9	22,845.9
February 2019	W	W	158.9	W	-	W	22,936.4	23,093.5
March 2018	56.9	16.4	82.4	W	-	W	23,756.9	23,830.2
Florida								
March 2019	W	W	-	W	-	W	6,447.7	6,448.0
February 2019	W	W	-	W	-	W	6,313.2	6,313.6
March 2018	W	-	-	6,441.6	-	W	W	6,527.6
Georgia								
March 2019	W	W	-	W	-	W	4,757.8	4,761.2
February 2019	W	W	-	W	-	W	4,907.4	4,911.3
March 2018	W	W	-	W	-	W	4,862.3	4,865.0
North Carolina								
March 2019	W	W	W	3,697.4	-	W	3,723.2	3,752.1
February 2019	W	W	W	3,808.1	-	W	3,828.9	3,881.8
March 2018	W	W	W	3,903.6	-	W	3,928.3	3,963.6
South Carolina								
March 2019	4.5	-	-	W	-	W	2,736.8	2,741.4
February 2019	10.0	-	W	2,764.0	-	W	2,769.7	2,779.7
March 2018	5.3	-	W	W	-	-	3,031.3	3,036.6
Virginia								
March 2019	18.5	-	62.5	W	-	W	3,740.8	3,759.3
February 2019	W	W	105.5	3,692.5	-	-	3,798.0	3,876.1
March 2018	W	W	38.8	W	-	W	4,105.4	4,124.7
West Virginia								
March 2019	W	W	W	W	-	-	1,375.6	1,383.9
February 2019	W	W	33.2	1,286.0	-	-	1,319.2	1,331.1
March 2018	W	W	19.1	W	-	-	W	1,312.6
PAD District 2								
March 2019	94.8	855.9	32.4	W	-	W	47,042.9	47,993.5
February 2019	179.7	2,690.6	26.1	W	-	W	46,777.0	49,647.3
March 2018	W	641.3	55.0	W	-	W	49,137.2	49,862.6
Illinois								
March 2019	5.2	51.4	-	5,399.9	-	-	5,399.9	5,456.5
February 2019	11.5	161.5	-	5,578.1	-	-	5,578.1	5,751.0
March 2018	3.0	33.7	-	5,844.2	-	-	5,844.2	5,880.9
Indiana								
March 2019	9.5	10.3	-	W	-	W	4,319.5	4,339.3
February 2019	18.9	33.4	-	W	-	W	4,554.8	4,607.1
March 2018	11.6	9.4	-	W	-	W	4,560.4	4,581.4
Iowa								
March 2019	2.7	71.2	W	W	-	-	2,317.2	2,391.1
February 2019	7.9	291.5	W	W	-	-	2,074.5	2,373.9
March 2018	0.8	30.9	W	W	-	-	2,564.5	2,596.2
Kansas								
March 2019	1.7	47.8	-	2,670.1	-	-	2,670.1	2,719.7
February 2019	6.1	164.7	-	2,831.7	-	-	2,831.7	3,002.5
March 2018	W	W	-	3,147.6	-	-	3,147.6	3,178.4
Kentucky								
March 2019	W	W	-	W	-	W	2,610.5	2,625.9
February 2019	W	W	-	W	-	W	2,530.0	2,557.0
March 2018	W	W	-	W	-	W	2,644.5	2,664.3
Michigan								
March 2019	8.5	21.4	W	2,732.2	-	W	2,792.3	2,822.2
February 2019	18.2	45.8	W	2,945.2	-	W	2,947.2	3,011.2
March 2018	W	W	W	2,908.7	-	W	2,911.9	2,947.3
Minnesota								
March 2019	9.4	200.6	W	W	-	-	2,378.4	2,588.5
February 2019	14.8	670.0	W	W	-	-	2,307.2	2,992.0
March 2018	1.9	127.5	W	W	-	-	2,230.5	2,359.9
Missouri								
March 2019	0.3	12.9	W	W	-	-	3,722.3	3,735.5
February 2019	0.4	27.9	-	3,501.3	-	-	3,501.3	3,529.6
March 2018	0.5	8.3	W	W	-	-	4,006.8	4,015.6

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								
March 2019	-	37.1	W	W	-	-	1,725.6	1,762.6
February 2019	W	W	-	1,690.7	-	-	1,690.7	1,888.7
March 2018	W	W	-	1,967.1	-	-	1,967.1	1,990.0
North Dakota								
March 2019	W	W	-	1,711.1	-	-	1,711.1	1,976.6
February 2019	27.3	619.3	-	1,286.4	-	-	1,286.4	1,933.0
March 2018	W	W	W	W	-	-	1,627.6	1,897.0
Ohio								
March 2019	17.8	16.1	W	W	-	-	5,829.8	5,863.8
February 2019	33.2	46.9	W	W	-	-	5,957.5	6,037.5
March 2018	W	W	W	5,686.2	-	W	5,703.6	5,746.8
Oklahoma								
March 2019	W	W	W	W	-	-	4,726.1	4,730.2
February 2019	W	W	W	W	-	-	4,705.2	4,710.3
March 2018	W	W	W	W	-	-	4,680.2	4,684.0
South Dakota								
March 2019	-	69.8	W	W	-	-	617.6	687.4
February 2019	W	W	W	W	-	-	504.9	721.7
March 2018	W	W	W	W	-	-	761.7	799.2
Tennessee								
March 2019	W	W	-	3,684.0	-	-	3,684.0	3,689.9
February 2019	11.1	-	-	3,692.0	-	-	3,692.0	3,703.2
March 2018	W	W	-	3,564.0	-	-	3,564.0	3,567.7
Wisconsin								
March 2019	1.6	64.2	W	W	-	-	2,538.5	2,604.3
February 2019	3.5	209.5	W	W	-	-	2,615.5	2,828.5
March 2018	2.1	29.2	W	W	-	-	2,922.6	2,954.0
PAD District 3								
March 2019	W	W	496.0	39,865.0	W	W	40,944.8	41,539.2
February 2019	663.0	1.3	166.0	40,848.9	W	W	41,380.1	42,044.3
March 2018	W	W	480.9	44,181.1	W	W	45,768.3	46,491.6
Alabama								
March 2019	W	-	W	W	W	W	W	2,693.1
February 2019	W	-	-	2,707.4	W	-	W	2,757.6
March 2018	W	-	-	2,694.2	W	W	W	2,771.8
Arkansas								
March 2019	-	W	W	W	-	-	W	2,081.5
February 2019	-	W	-	W	-	-	W	2,040.0
March 2018	W	-	W	W	-	-	W	2,359.4
Louisiana								
March 2019	W	-	W	5,376.3	-	W	W	6,208.9
February 2019	W	-	W	6,160.0	-	W	W	6,993.6
March 2018	W	-	W	W	-	W	W	6,902.9
Mississippi								
March 2019	W	-	-	2,133.1	-	W	W	2,199.2
February 2019	W	W	-	W	-	W	1,850.1	1,850.9
March 2018	W	W	W	W	-	-	2,146.5	2,147.0
New Mexico								
March 2019	-	-	-	2,083.2	-	-	2,083.2	2,083.2
February 2019	-	W	-	W	-	-	W	2,060.1
March 2018	-	-	-	2,019.6	-	-	2,019.6	2,019.6
Texas								
March 2019	3.3	NA	W	25,563.7	-	W	26,269.2	26,273.2
February 2019	W	W	W	26,038.0	-	W	26,336.5	26,342.1
March 2018	W	W	W	29,193.4	W	897.8	30,286.1	30,290.9

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								
March 2019	0.4	297.6	W	W	-	-	8,670.1	8,968.1
February 2019	W	W	W	W	-	-	8,664.9	9,170.8
March 2018	-	176.3	W	W	-	-	8,948.1	9,124.4
Colorado								
March 2019	W	W	W	W	-	-	2,171.8	2,262.6
February 2019	-	127.3	-	2,215.4	-	-	2,215.4	2,342.7
March 2018	-	57.7	-	2,317.4	-	-	2,317.4	2,375.2
Idaho								
March 2019	W	W	W	W	-	-	1,470.2	1,478.3
February 2019	-	20.5	W	W	-	-	1,487.1	1,507.6
March 2018	-	8.3	W	W	-	-	1,508.3	1,516.6
Montana								
March 2019	-	86.6	W	W	-	-	1,479.2	1,565.9
February 2019	-	175.4	W	W	-	-	1,420.1	1,595.5
March 2018	-	53.7	W	W	-	-	1,586.5	1,640.2
Utah								
March 2019	-	17.0	W	W	-	-	2,048.9	2,065.8
February 2019	W	W	W	W	-	-	2,009.5	2,049.7
March 2018	-	5.0	W	W	-	-	2,036.2	2,041.2
Wyoming								
March 2019	-	95.5	-	W	-	-	1,500.0	1,595.5
February 2019	-	142.5	-	W	-	-	1,532.8	1,675.3
March 2018	-	51.6	-	W	-	-	1,499.7	1,551.3
PAD District 5								
March 2019	15.9	365.4	W	W	W	624.5	21,210.2	21,591.5
February 2019	16.4	432.7	W	W	W	781.8	20,924.2	21,373.3
March 2018	25.5	383.2	W	W	W	539.7	20,522.5	20,931.1
Alaska								
March 2019	-	W	W	W	-	-	W	W
February 2019	-	W	W	W	-	-	W	W
March 2018	-	W	W	W	-	-	W	649.2
Arizona								
March 2019	-	W	-	W	-	-	W	2,994.5
February 2019	-	W	-	W	-	-	W	2,944.1
March 2018	-	-	-	2,875.3	-	-	2,875.3	2,875.3
California								
March 2019	W	W	-	W	-	W	9,973.2	9,987.5
February 2019	W	W	-	W	-	W	10,321.2	10,336.7
March 2018	W	W	-	W	-	W	10,223.4	10,246.0
Hawaii								
March 2019	-	-	-	301.4	W	W	W	W
February 2019	-	-	-	371.6	W	W	W	W
March 2018	-	-	-	440.4	W	W	778.8	778.8
Nevada								
March 2019	W	W	W	W	-	-	1,559.6	1,568.4
February 2019	W	W	W	W	-	-	1,381.6	1,388.9
March 2018	W	W	W	W	-	-	1,407.0	1,415.4
Oregon								
March 2019	-	W	-	2,036.4	-	W	W	2,055.9
February 2019	-	W	-	1,770.8	-	W	W	1,800.3
March 2018	W	W	-	W	-	W	1,955.1	1,966.0
Washington								
March 2019	W	W	W	3,522.6	-	W	3,567.9	3,575.2
February 2019	W	W	W	3,209.1	-	W	3,422.6	3,438.1
March 2018	W	4.5	W	W	-	W	W	3,000.5

- = 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 2018 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."