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Preface

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

Scope of data

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

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

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

Sections

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

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

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

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

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

Notes on the tables

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

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

- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use state abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- Sales of leaded gasoline are a component of averages and totals prior to October 1993.
- References to “Refiners” include gas plant operators (see the Glossary for definition of “Gas plant operators”).
- “Prime supplier” refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category “Retail outlet” refers to any company-operated outlet selling gasoline, on-highway diesel fuel, or propane for on-highway vehicle use (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).
- Beginning with the February 2007 data release, EIA revised the table formats and content for the *Petroleum Marketing Monthly* (PMM) to eliminate oxygenated gasoline as a separate category and to revise the categories of diesel fuel (i.e., ultra-low sulfur, low sulfur, and high sulfur). In conjunction with these changes, the Total columns in certain PMM tables have been eliminated to help ensure that sensitive data reported to EIA by individual survey respondents may not be closely estimated using the aggregates published by EIA. Refer to the Product Guide for new table numbers.
- As of January 2012, EIA changed the methodology used to calculate the initial price estimates for refiner acquisition costs of crude oil. The price estimate for domestic crude oil comes from a regression model based on West Texas Intermediate (WTI) crude oil spot market prices. The price estimate for imported crude oil comes from a regression model that uses a basket of world crude oil prices. The composite price estimate is a weighted average of the domestic and imported prices based on refinery receipts data found in the *Petroleum Supply Annual*.
- Final revisions to 2010 and 2011 monthly and annual values in Tables 1, 1A, and 18-27 were added to the *Petroleum Marketing Monthly* in the March 2013 issue.
- As of the March 2016 data release, January and February 2016 OPEC and Non-OPEC crude oil prices in Tables 21 and 22 were revised to include Indonesia in OPEC and exclude it from Non-OPEC.
- Beginning with the November 2017 data release, due to the increase of crude oil activity in the North Dakota region, EIA replaced the North Dakota Sweet Crude Stream on the EIA-182, Domestic Crude Oil First Purchase Report with the predominant North Dakota Bakken Crude Stream to provide an accurate price estimate for an important high volume crude stream regularly traded in domestic crude oil markets.

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Highlights

Crude oil

- Monthly average crude oil prices continued to decline in December. The average domestic crude oil first purchase price fell \$7.93 (14.2%), to \$47.72 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil dropped \$10.58 (23.9%) to \$33.61 per barrel, while the average landed cost of foreign crude oil declined \$9.89 (21.1%), to \$37.04 per barrel.
- The average refiner acquisition cost for domestic crude oil fell \$9.22 (14.8%), to \$53.25 per barrel. The average cost of imported crude oil decreased \$11.60 (21.3%), to \$42.80 per barrel. The composite refiner acquisition cost for crude oil dropped \$10.18 (17.3%), to \$48.83 per barrel.

Petroleum products

Motor gasoline

- Monthly average prices for refiner sales of motor gasoline also continued to fall during December. The average retail price dropped 23.2 cents to \$1.973 per gallon, while the average wholesale price decreased 22.3 cents to \$1.509 per gallon.
- December sales of finished motor gasoline by refiners declined from November levels. Total sales fell 8.3 million gallons per day (2.5%) to an average of 318.1 million gallons per day. Retail sales decreased 400,000 gallons per day (1.6%), while wholesales dropped 7.9 million gallons per day (2.6%). DTW sales accounted for 7.3% of wholesales, while rack and bulk sales made up 87.4% and 5.2%, respectively.

No. 2 distillate

- December monthly average prices for refiner sales of No. 2 distillates decreased from November levels. The average price for No. 2 diesel fuel sold to end users dropped 30.1 cents to \$1.981 per gallon, while the average wholesale price fell 33.6 cents to \$1.794 per gallon. The average retail price for No. 2 fuel oil declined 20.9 cents to \$2.222 per gallon, while the average wholesale price decreased 30.2 cents to \$1.796 per gallon.
- December sales of No. 2 ultra-low sulfur diesel by refiners dropped 3.6 million gallons per day (2.2%) to 163.2 million gallons per day. Retail sales decreased 600,000 gallons per day (4.7%), while wholesales fell 3.0 million gallons per day (1.9%).

Residual Fuel Oil

- Monthly average prices for refiner sales of residual fuel oil decreased again in December. The wholesale price for low-sulfur residual fuel oil declined 10.8 cents to \$1.252 per gallon. The price for high-sulfur residual fuel oil fell 26.4 cents to \$1.467 per gallon at retail, while the wholesale price dropped 26.7 cents to \$1.295 per gallon.
- December residual fuel oil sales by refiners rose to 10.8 million gallons per day. Retail sales increased 100,000 per day (2.9%), while wholesales rose 600,000 gallons per day (9.0%).

Other products

- Refiner prices for the remaining surveyed products decreased in December. Prices for propane, kerosene-type jet fuel, and No. 1 distillate prices fell at both the retail and wholesale levels. Prices for aviation gasoline and kerosene prices declined at the wholesale level.
- In December, refiner sales of propane fell at retail but increased at wholesale. Sales of kerosene-type jet fuel and 1 distillate sales rose at the retail level but dropped at the wholesale level. Sales of kerosene were flat at wholesale, while aviation gasoline sales increased 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					
	December 2018		November 2018		December 2017		December 2018		November 2018		December 2017	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	1.973	24.2	2.205	24.6	2.034	24.1	1.509	293.9	1.732	301.8	1.720	302.2
Conventional	1.782	14.9	2.035	15.4	1.946	15.1	1.440	197.7	1.675	204.8	1.690	203.9
Regular	1.729	13.2	1.982	13.6	1.899	13.4	1.406	177.1	1.639	184.0	1.658	182.7
Midgrade	2.047	0.7	2.312	0.8	2.155	0.8	1.612	1.2	1.855	1.3	1.825	1.4
Premium	2.306	1.0	2.565	1.0	2.417	1.0	1.744	19.4	2.007	19.5	1.971	19.8
Reformulated	2.278	9.3	2.487	9.3	2.183	9.0	1.652	96.3	1.853	97.0	1.783	98.3
Regular	2.163	6.9	2.373	6.9	2.091	6.6	1.597	80.2	1.799	81.0	1.737	81.6
Midgrade	2.496	0.9	2.713	0.9	2.345	0.9	1.803	0.6	1.997	0.6	1.879	0.7
Premium	2.664	1.5	2.881	1.5	2.505	1.5	1.929	15.5	2.133	15.3	2.013	15.9
Aviation gasoline	W	W	W	W	W	W	2.463	0.4	2.762	0.3	2.691	0.5
Kerosene-type jet fuel	1.852	32.1	2.162	30.9	1.869	28.8	1.812	37.3	2.100	38.1	1.846	43.6
Propane (consumer grade)	0.796	2.8	0.876	3.7	1.028	3.1	0.799	34.9	0.826	33.6	0.991	39.7
Kerosene	W	W	W	W	W	W	1.954	1.4	2.206	1.4	2.034	1.6
No. 1 distillate	2.397	0.1	2.719	0.1	2.423	0.1	2.175	2.4	2.449	2.7	2.256	2.8
No. 2 distillate	1.983	12.6	2.284	13.3	2.039	11.5	1.794	169.5	2.128	168.1	1.911	161.6
No. 2 fuel oil	2.222	0.1	2.431	0.2	2.263	0.1	1.796	17.1	2.098	12.9	1.841	14.5
No. 2 diesel fuel	1.981	12.5	2.282	13.1	2.037	11.4	1.794	152.3	2.130	155.3	1.918	147.1
Ultra low sulfur	1.979	12.2	2.280	12.8	2.039	11.2	1.794	151.0	2.131	154.0	1.921	142.4
Low sulfur	W	W	W	W	W	W	W	W	W	W	W	W
High sulfur	W	W	W	W	W	W	W	W	W	W	W	W
No. 4 fuel[a]	-	-	-	-	-	-	W	W	W	W	W	W
Residential fuel oil	1.608	3.5	1.827	3.4	1.484	4.6	1.293	7.3	1.556	6.7	1.249	8.1
Sulfur content not > 1%	W	W	W	W	W	W	1.252	0.5	1.360	0.2	1.254	0.3
Sulfur content > 1%	1.467	W	1.731	W	1.447	W	1.295	6.8	1.562	6.5	1.249	7.7

NA = Not available.

- = No data reported.

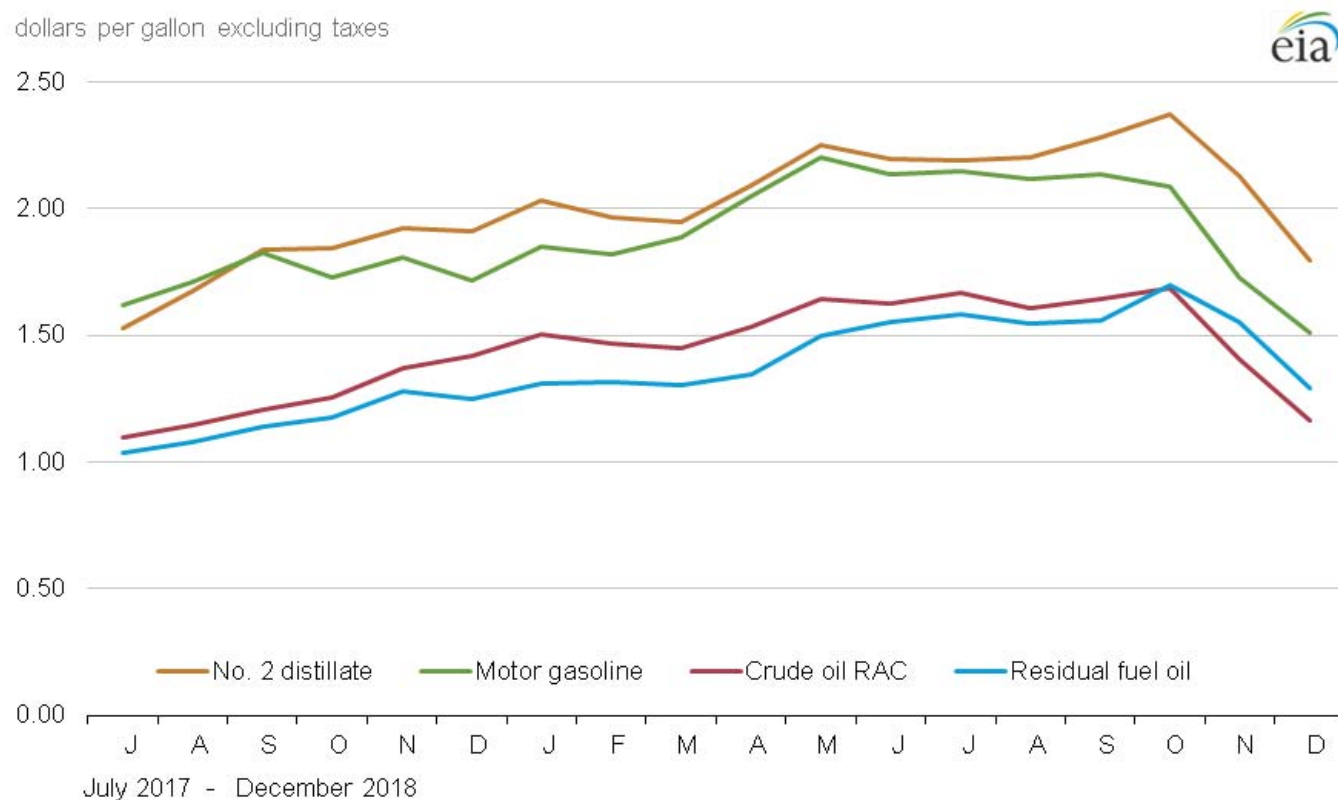
W = Withheld to avoid disclosure of individual company data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Total volumes may not equal the sum of the components due to rounding.

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

Figure HL1. Crude oil and petroleum product wholesale prices



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

Note: RAC stands for refiner acquisition cost.

Summary Statistics

Table 1. Crude oil prices
dollars per barrel

Year month	Domestic first purchase prices	Average F.O.B. [a] cost of crude oil imports[b]	Average landed cost of crude oil imports[b]	Refiner acquisition cost of crude oil		
				Domestic	Imported	Composite
1997 average	17.23	16.94	18.11	19.61	18.53	19.04
1998 average	10.87	10.76	11.84	13.18	12.04	12.52
1999 average	15.56	16.47	17.23	17.90	17.26	17.51
2000 average	26.72	26.27	27.53	29.11	27.70	28.26
2001 average	21.84	20.46	21.82	24.33	22.00	22.95
2002 average	22.51	22.63	23.91	24.65	23.71	24.10
2003 average	27.56	25.86	27.69	29.82	27.71	28.53
2004 average	36.77	33.75	36.07	38.97	35.90	36.98
2005 average	50.28	47.60	49.29	52.94	48.86	50.24
2006 average	59.69	57.03	59.11	62.62	59.02	60.24
2007 average	66.52	66.36	67.97	69.65	67.04	67.94
2008 average	94.04	90.32	93.33	98.47	92.77	94.74
2009 average	56.35	57.78	60.23	59.49	59.17	59.29
2010 average	74.71	74.19	76.50	78.01	75.86	76.69
2011 average	95.73	101.66	102.92	100.71	102.63	101.87
2012 average	94.52	99.78	101.00	100.72	101.09	100.93
2013 average	95.99	96.56	96.99	102.91	98.11	100.49
2014 average	87.39	85.65	88.16	94.05	89.56	92.02
2015 average	44.39	41.91	45.38	49.94	46.38	48.39
2016 average	38.29	36.37	38.56	42.41	38.75	40.66
2017						
January	48.19	44.62	47.05	51.81	48.12	49.99
February	49.41	45.91	48.08	53.15	49.38	51.24
March	46.39	44.09	46.26	50.60	46.53	48.65
April	47.23	43.60	46.00	51.34	47.47	49.47
May	45.19	43.92	46.15	49.58	47.21	48.47
June	42.17	41.34	43.85	46.26	44.03	45.25
July	43.42	42.09	44.82	47.59	44.76	46.27
August	44.96	44.18	46.93	48.76	47.62	48.22
September	47.17	46.50	49.80	51.07	50.46	50.78
October	49.12	47.22	51.11	53.71	51.40	52.67
November	55.19	52.11	56.10	58.92	56.30	57.75
December	56.98	53.68	56.96	61.10	57.44	59.53
2017 average	48.05	45.58	48.50	52.05	49.12	50.68
2018						
January	62.25	55.73	58.19	66.08	59.39	63.13
February	61.20	53.42	56.73	64.68	57.94	61.71
March	60.68	53.35	56.32	64.03	56.75	60.80
April	63.50	58.53	60.61	67.14	61.25	64.42
May	66.16	62.95	65.15	71.31	66.08	69.00
June	62.80	63.09	65.48	69.55	66.85	68.31
July	67.00	62.35	65.43	73.31	66.77	70.28
August	62.64	61.35	64.11	69.45	65.48	67.68
September	63.55	61.56	63.69	71.04	66.42	69.15
October	65.18	R60.19	61.84	73.08	67.74	70.97
November	55.65	R44.19	R46.93	62.47	R54.40	59.01
December	47.72	33.61	37.04	R53.25	R42.80	R48.83
2018 average	61.41	56.60	59.02	67.04	60.95	64.37
2019						
January[c]	NA	NA	NA	E53.04	E45.63	E49.61

NA = Not available.

E = Estimated data.

R = Revised data.

[a] Free on Board. See Glossary.

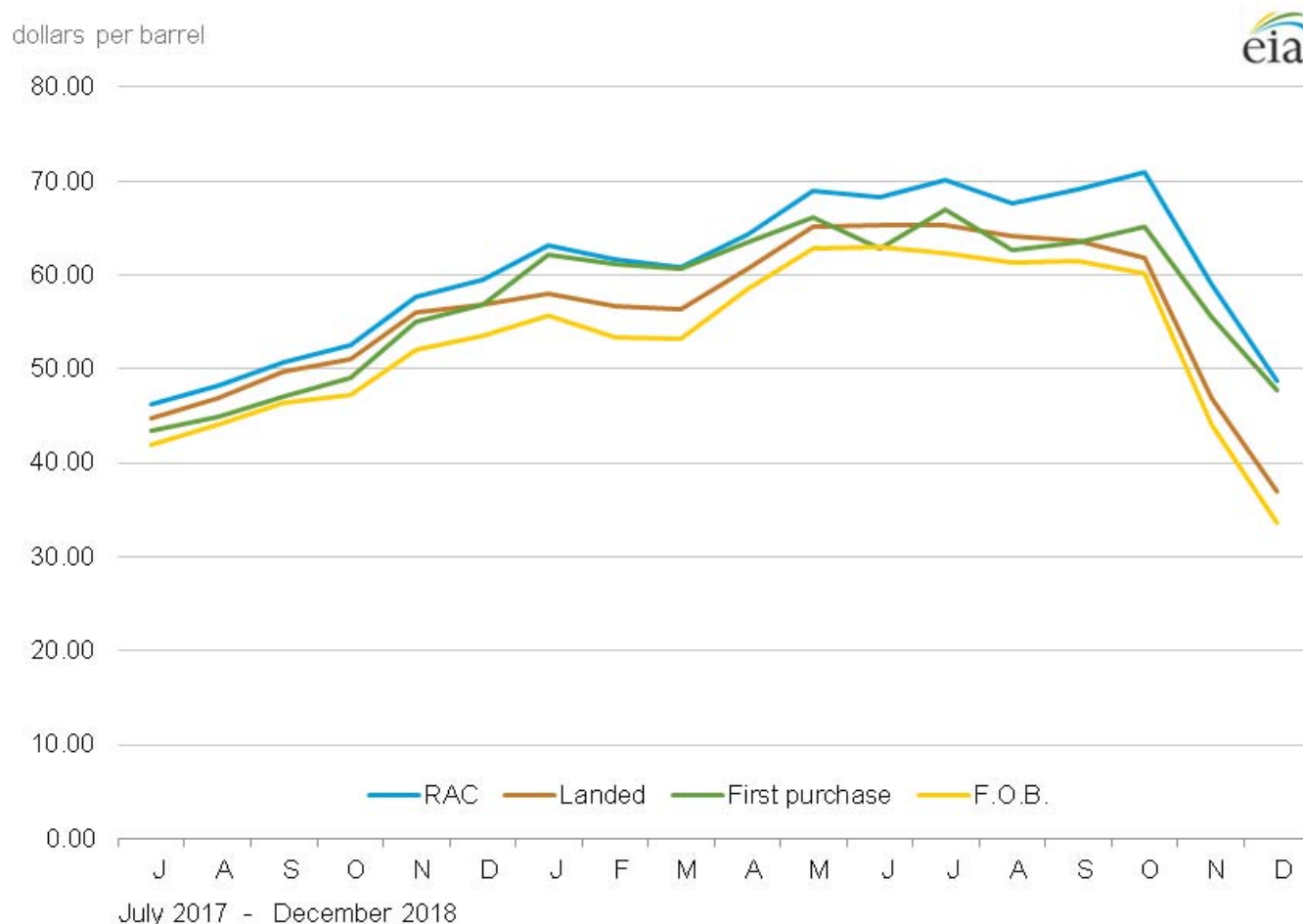
[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

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

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values for Domestic First Purchase Price and Refiner Acquisition Cost for the current 2 months, and for Average F.O.B. and Average Landed Costs, for the current 3 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

Figure 1. Crude oil prices



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

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

Year month	U.S.			PAD District 1			PAD District 2		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	38.97	35.90	36.98	40.75	38.29	38.34	40.80	35.63	38.38
2005	52.94	48.86	50.24	56.89	53.29	53.35	54.57	46.11	50.75
2006	62.62	59.02	60.24	66.92	63.53	63.60	63.66	55.19	59.70
2007	69.65	67.04	67.94	70.62	72.48	72.44	71.10	62.17	66.90
2008	98.47	92.77	94.74	100.30	96.90	96.97	100.98	88.45	94.93
2009	59.49	59.17	59.29	59.64	61.68	61.63	60.00	57.00	58.64
2010	78.01	75.86	76.69	75.90	80.03	79.91	78.85	72.24	75.92
2011	100.71	102.63	101.87	98.88	111.53	111.01	96.81	89.15	93.18
2012	100.72	101.09	100.93	104.45	112.27	111.50	95.04	83.90	89.44
2013	102.91	98.11	100.49	106.98	106.74	106.80	100.63	85.43	93.26
2014	94.05	89.56	92.02	96.95	96.51	96.70	93.08	81.66	87.51
2015	49.94	46.38	48.39	52.60	50.40	51.37	49.33	42.70	46.13
2016	42.41	38.75	40.66	44.58	42.54	43.00	43.76	36.19	39.95
2017									
January	51.81	48.12	49.99	55.35	52.87	53.34	52.83	44.53	48.26
February	53.15	49.38	51.24	55.90	52.80	53.29	53.56	46.04	49.59
March	50.60	46.53	48.65	55.85	51.98	52.62	50.84	42.91	46.64
April	51.34	47.47	49.47	54.99	51.26	51.64	51.93	44.10	48.06
May	49.58	47.21	48.47	54.64	50.66	51.17	49.72	44.65	47.27
June	46.26	44.03	45.25	52.47	47.87	48.38	46.39	41.59	44.14
July	47.59	44.76	46.27	54.32	48.41	48.92	47.81	42.13	44.99
August	48.76	47.62	48.22	56.03	50.70	51.02	49.34	44.57	46.95
September	51.07	50.46	50.78	56.14	54.06	54.24	51.08	45.39	48.22
October	53.71	51.40	52.67	58.25	55.31	55.55	53.16	45.71	49.59
November	58.92	56.30	57.75	62.13	60.85	61.00	58.26	50.75	54.69
December	61.10	57.44	59.53	64.57	63.94	64.04	59.64	50.87	55.54
2017	52.05	49.12	50.68	56.98	53.46	53.87	52.03	45.21	48.63
2018									
January	66.08	59.39	63.13	66.24	65.97	66.01	65.21	51.67	58.61
February	64.68	57.94	61.71	66.09	64.96	65.16	63.69	48.42	56.43
March	64.03	56.75	60.80	66.71	65.31	65.63	64.24	47.18	56.31
April	67.14	61.25	64.42	69.95	70.27	70.21	67.21	51.04	59.15
May	71.31	66.08	69.00	71.37	72.17	72.00	70.94	58.27	64.69
June	69.55	66.85	68.31	71.35	72.91	72.62	68.42	59.35	64.14
July	73.31	66.77	70.28	72.72	71.71	71.90	73.40	62.05	67.65
August	69.45	65.48	67.68	72.07	72.03	72.04	69.20	58.09	64.13
September	71.04	66.42	69.15	73.74	75.40	74.83	70.14	54.36	63.22
October	73.08	67.74	70.97	75.33	75.36	75.35	71.74	52.76	63.58
November	62.47	R54.40	59.01	69.43	69.13	69.18	R57.01	R38.34	47.16
December	R53.25	R42.80	R48.83	60.15	61.46	61.18	47.52	19.78	33.41
2018	67.04	60.95	64.37	69.71	69.63	69.64	65.69	49.58	57.93

See footnotes at end of table.

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

dollars per barrel

Year month	PAD District 3			PAD District 4			PAD District 5		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	39.28	34.79	35.87	39.98	35.93	37.81	36.81	38.20	37.30
2005	53.17	47.77	48.99	53.50	48.54	50.89	50.61	50.77	50.67
2006	63.17	58.34	59.54	60.80	56.17	58.45	60.90	61.44	61.15
2007	70.58	66.34	67.48	65.79	60.81	63.43	67.47	69.42	68.34
2008	100.39	91.86	94.11	91.49	88.56	90.12	94.53	96.30	95.35
2009	60.61	59.21	59.64	56.30	56.53	56.39	57.79	60.07	58.78
2010	78.73	75.67	76.65	73.56	70.77	72.37	76.56	78.23	77.34
2011	103.24	104.78	104.24	89.34	84.87	87.61	103.83	105.68	104.73
2012	104.32	105.18	104.83	86.83	80.80	84.63	103.03	106.43	104.69
2013	104.64	101.42	103.02	88.96	80.75	85.21	103.82	105.12	104.40
2014	94.67	90.84	93.06	84.63	78.73	81.93	94.45	96.13	95.22
2015	50.16	46.49	48.75	44.77	39.73	42.28	50.30	50.91	50.59
2016	41.97	38.22	40.42	41.48	34.49	38.11	42.10	42.21	42.16
2017									
January	51.15	48.10	49.85	50.68	41.66	46.38	52.87	52.35	52.61
February	52.72	49.73	51.37	52.61	42.82	47.68	53.93	52.71	53.31
March	50.32	46.58	48.77	49.06	40.36	44.87	51.24	50.43	50.83
April	50.98	47.37	49.51	49.19	40.95	45.53	52.31	50.78	51.48
May	49.39	46.88	48.41	48.03	42.03	45.68	50.25	49.78	49.98
June	46.02	43.62	45.11	44.97	40.31	43.17	46.91	46.53	46.72
July	47.24	43.93	45.96	46.30	42.36	44.55	48.78	48.53	48.64
August	48.11	47.46	47.87	48.76	42.63	46.02	50.27	50.44	50.37
September	50.53	51.49	50.87	50.47	43.58	47.34	53.23	53.92	53.62
October	53.35	52.03	52.87	51.66	44.11	48.56	56.57	56.09	56.32
November	58.69	56.47	57.89	56.98	49.24	53.78	61.56	61.45	61.50
December	61.28	58.19	60.23	57.78	48.21	53.79	63.05	62.02	62.54
2017	51.74	49.12	50.73	50.43	43.05	47.19	53.44	52.77	53.08
2018									
January	66.00	61.15	64.23	63.61	47.53	56.04	68.59	66.23	67.50
February	64.83	60.66	63.32	60.99	43.15	53.36	66.70	64.23	65.47
March	63.43	58.65	61.64	61.80	42.31	53.23	66.74	64.27	65.38
April	66.59	63.43	65.39	64.52	45.53	56.14	69.83	67.99	68.89
May	70.66	67.10	69.43	68.34	54.97	63.22	75.58	73.75	74.62
June	69.28	67.69	68.68	65.51	56.58	61.50	74.53	73.54	73.96
July	73.40	67.85	71.29	68.56	57.79	63.67	74.24	70.45	72.15
August	68.89	65.76	67.77	66.53	56.09	61.96	73.81	72.11	72.81
September	70.38	69.92	70.22	69.11	47.78	59.76	75.91	74.03	74.93
October	72.86	72.38	72.72	67.91	52.13	59.81	77.82	76.72	77.24
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	66.93	64.01	65.91	62.90	45.92	55.08	70.80	68.91	69.81

R = Revised data.

Notes: - U.S. is defined as the 50 states, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. Values reflect the PAD District in which the crude oil is intended to be refined. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

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

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

dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 1 distillate	No. 2 distillate			Residual fuel oil	
							No. 2 diesel fuel	No. 2 fuel oil	Average		No. 4 fuel[a]
1994	0.738	0.957	0.534	0.530	0.660	0.640	0.554	0.572	0.556	0.501	0.352
1995	0.765	1.005	0.540	0.492	0.589	0.620	0.560	0.562	0.560	0.505	0.392
1996	0.847	1.116	0.651	0.605	0.740	0.726	0.681	0.673	0.680	0.603	0.455
1997	0.839	1.128	0.613	0.552	0.745	0.689	0.642	0.636	0.642	0.565	0.423
1998	0.673	0.975	0.452	0.405	0.501	0.551	0.494	0.482	0.492	0.428	0.305
1999	0.781	1.059	0.543	0.458	0.605	0.621	0.584	0.558	0.580	0.474	0.374
2000	1.106	1.306	0.899	0.603	1.123	0.988	0.935	0.927	0.934	0.769	0.602
2001	1.032	1.323	0.775	0.506	1.045	0.902	0.842	0.829	0.840	0.679	0.531
2002	0.947	1.288	0.721	0.419	0.990	0.828	0.762	0.737	0.759	0.657	0.569
2003	1.156	1.493	0.872	0.577	1.224	1.017	0.944	0.933	0.942	0.856	0.698
2004	1.435	1.819	1.207	0.839	1.160	1.262	1.243	1.173	1.235	1.017	0.739
2005	1.829	2.231	1.735	1.089	1.957	1.832	1.786	1.705	1.777	W	1.048
2006	2.128	2.682	1.998	1.358	2.244	2.137	2.096	1.982	2.091	W	1.218
2007	2.345	2.849	2.165	1.489	2.263	2.286	2.267	2.241	2.266	W	1.374
2008	2.775	3.273	3.052	1.892	3.283	2.983	3.150	2.986	3.143	W	1.964
2009	1.888	2.442	1.704	1.220	2.675	2.141	1.834	1.962	1.840	W	1.341
2010	2.301	3.028	2.201	1.481	3.063	2.705	2.314	2.462	2.318	W	1.713
2011	3.050	3.803	3.054	1.709	3.616	3.467	3.117	3.193	3.119	W	2.401
2012	3.154	3.971	3.104	1.139	3.843	3.580	3.202	3.358	3.206	W	2.592
2013	3.049	3.932	2.979	1.028	3.842	3.483	3.122	3.335	3.126	W	2.482
2014	2.855	3.986	2.772	1.097	W	3.117	2.923	3.329	2.924	W	2.325
2015	2.003	W	1.629	0.481	W	1.822	1.819	2.016	1.821	W	1.285
2016	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	R0.876	W	2.719	R2.282	2.431	2.284	-	1.827
December	1.973	W	1.852	0.796	W	2.397	1.981	2.222	1.983	-	1.608

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

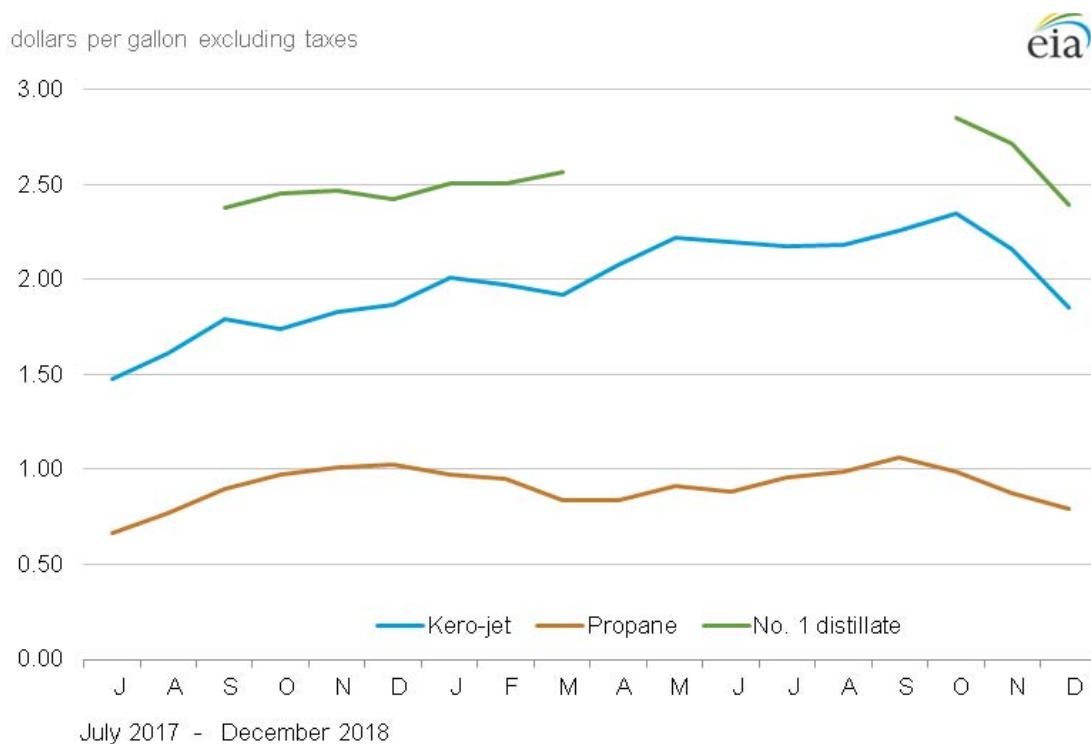
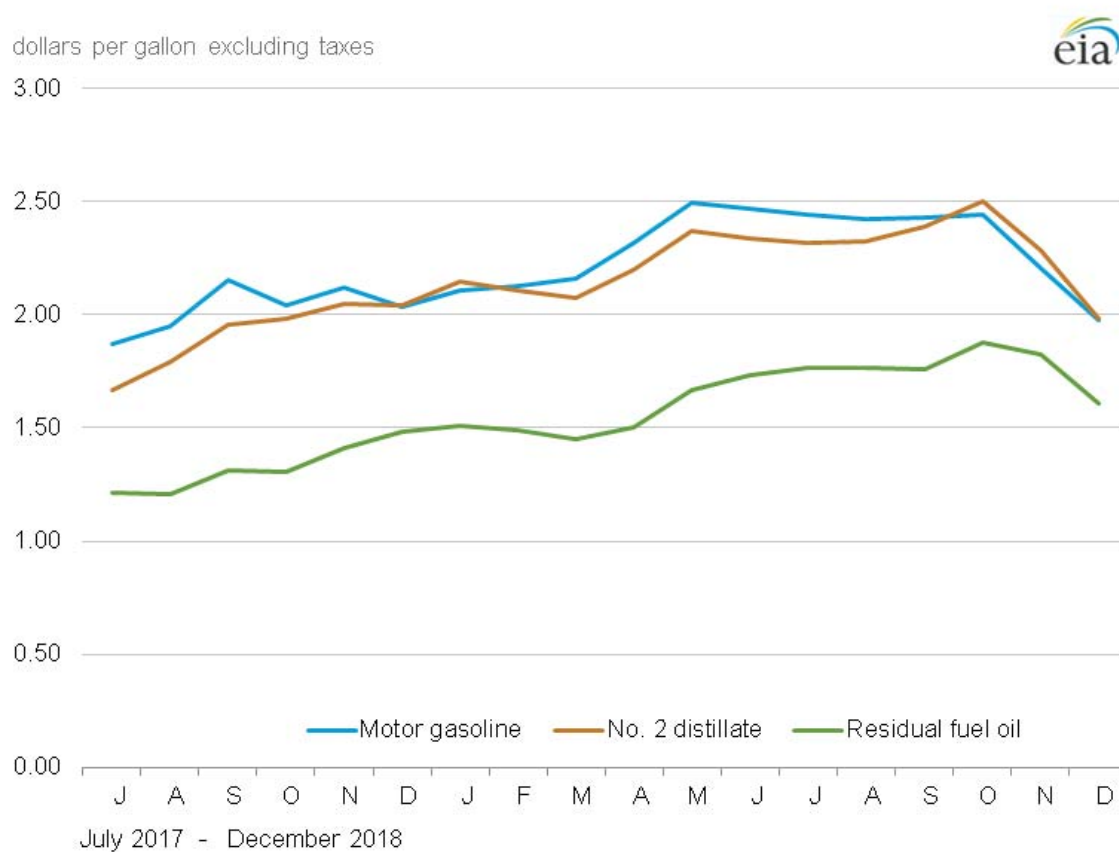
R = Revised data.

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

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

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

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



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

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

million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1994	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
1995	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
1996	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
1997	61.1	0.2	49.7	3.2	0.3	0.4	22.0	3.0	25.0	0.3	13.4
1998	63.3	0.2	48.9	3.1	0.4	0.4	21.1	3.2	24.3	0.3	14.4
1999	62.0	0.1	47.0	3.6	0.2	0.3	21.1	3.0	24.1	0.3	13.9
2000	60.9	0.2	49.3	2.9	0.2	0.3	22.6	2.8	25.4	0.3	13.1
2001	62.0	0.1	49.7	3.6	0.2	0.3	22.9	3.0	26.0	0.4	14.8
2002	63.6	0.1	49.1	2.6	0.1	0.3	19.6	3.0	22.6	0.4	10.4
2003	63.8	0.1	44.0	2.5	0.1	0.3	16.7	2.7	19.5	0.3	10.7
2004	58.4	0.1	46.4	2.7	0.5	0.2	16.9	2.4	19.3	0.3	10.2
2005	59.0	0.1	45.2	3.2	0.1	0.3	17.0	2.1	19.1	W	10.4
2006	60.0	0.1	42.1	2.7	0.1	0.2	24.2	1.2	25.4	W	10.4
2007	57.7	0.1	40.1	3.3	0.1	0.2	23.6	0.8	24.3	W	10.9
2008	55.1	0.1	39.9	2.7	NA	0.1	19.9	0.9	20.8	W	8.4
2009	49.8	0.2	38.0	3.7	NA	0.1	16.9	0.9	17.8	W	8.5
2010	44.7	0.1	34.8	3.9	0.0	0.1	15.3	0.4	15.8	W	7.6
2011	39.0	0.1	33.3	4.5	0.0	0.1	13.4	0.4	13.8	W	6.4
2012	29.7	0.1	32.5	5.6	0.0	0.1	12.2	0.3	12.5	W	5.5
2013	24.7	0.0	31.4	5.3	0.0	0.1	11.5	0.2	11.7	W	5.2
2014	21.6	0.0	31.3	4.9	W	0.1	11.9	0.1	11.9	W	4.6
2015	25.5	W	33.4	5.6	W	0.1	12.6	0.1	12.7	W	4.0
2016	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	R30.9	R3.7	W	0.1	R13.1	0.2	13.3	-	3.4
December	24.2	W	32.1	2.8	W	0.1	12.5	0.1	12.6	-	3.5

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

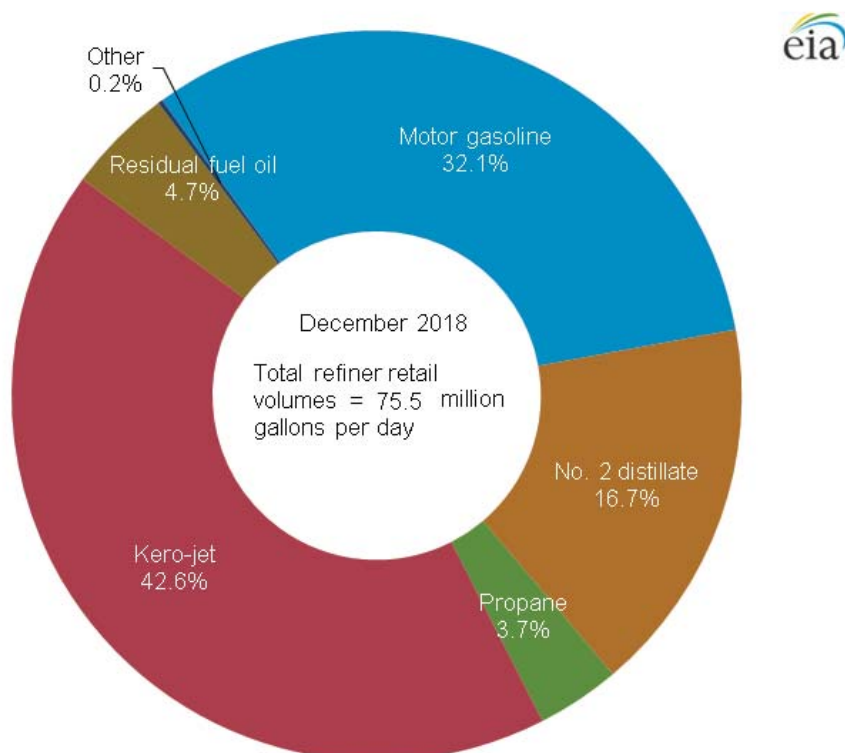
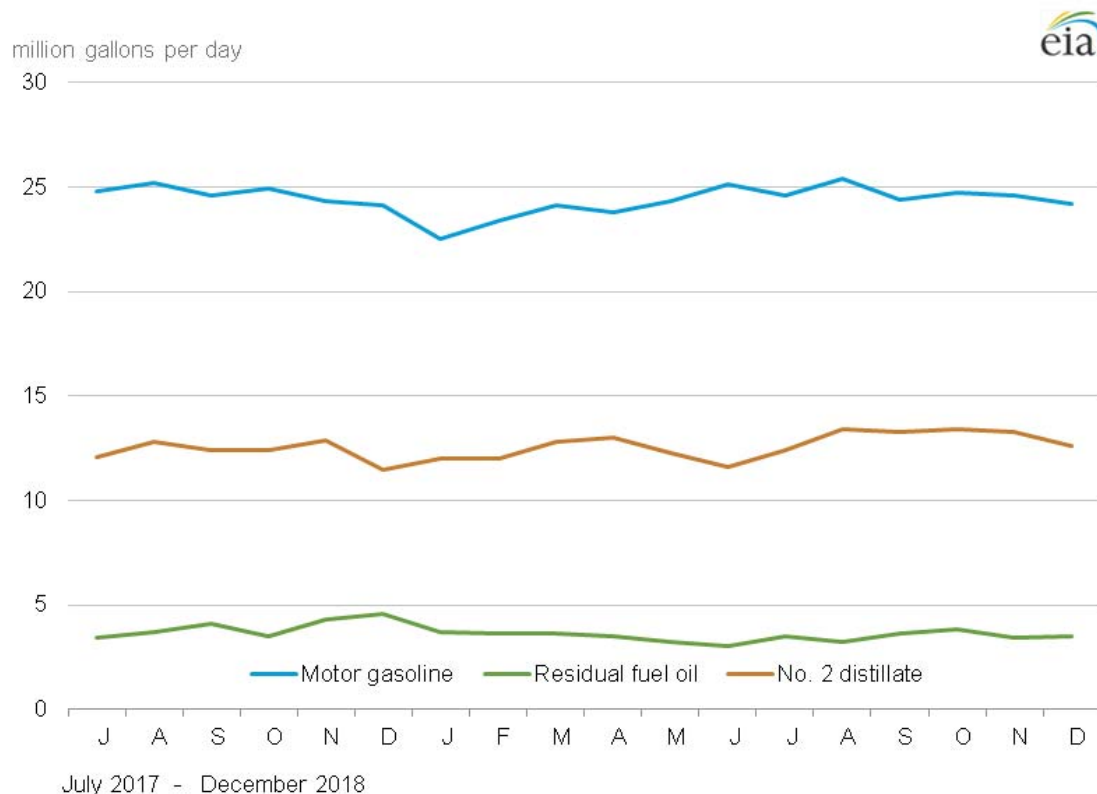
R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

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



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

Table 4. U.S. refiner prices of petroleum products for resale
dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1994	0.599	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	R1.732	2.762	R2.100	R0.826	2.206	2.449	2.130	R2.098	2.128	W	R1.556
December	1.509	2.463	1.812	0.799	1.954	2.175	1.794	1.796	1.794	W	1.293

W = Withheld to avoid disclosure of individual company data.

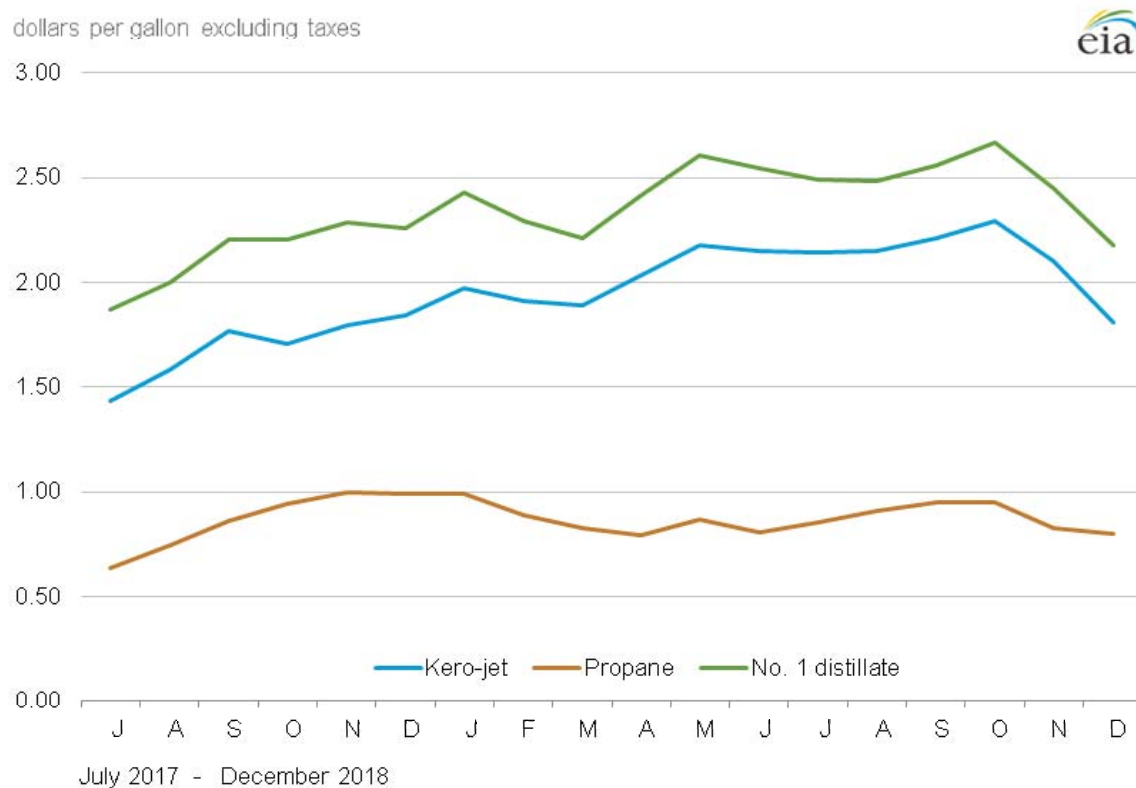
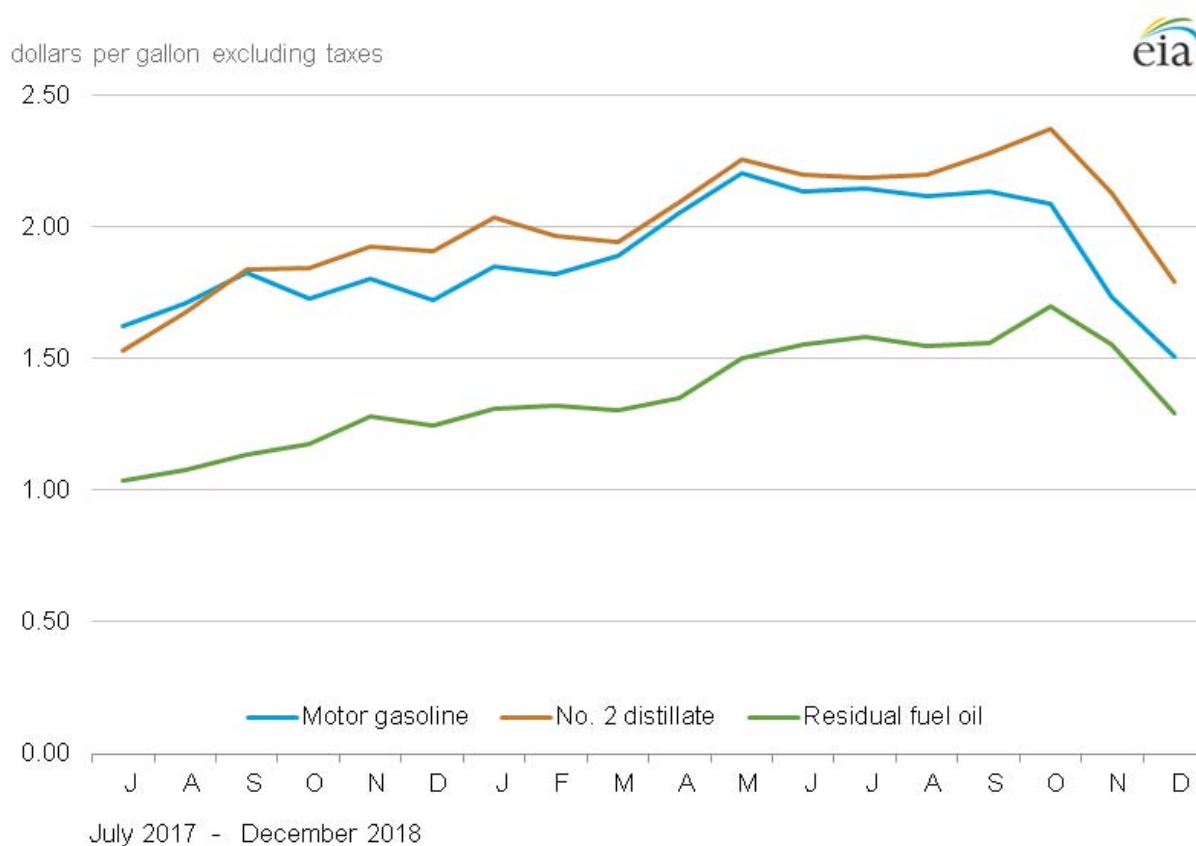
R = Revised data.

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

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

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

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



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	R301.8	0.3	38.1	R33.6	1.4	2.7	R155.3	12.9	R168.1	W	6.7
December	293.9	0.4	37.3	34.9	1.4	2.4	152.3	17.1	169.5	W	7.3

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

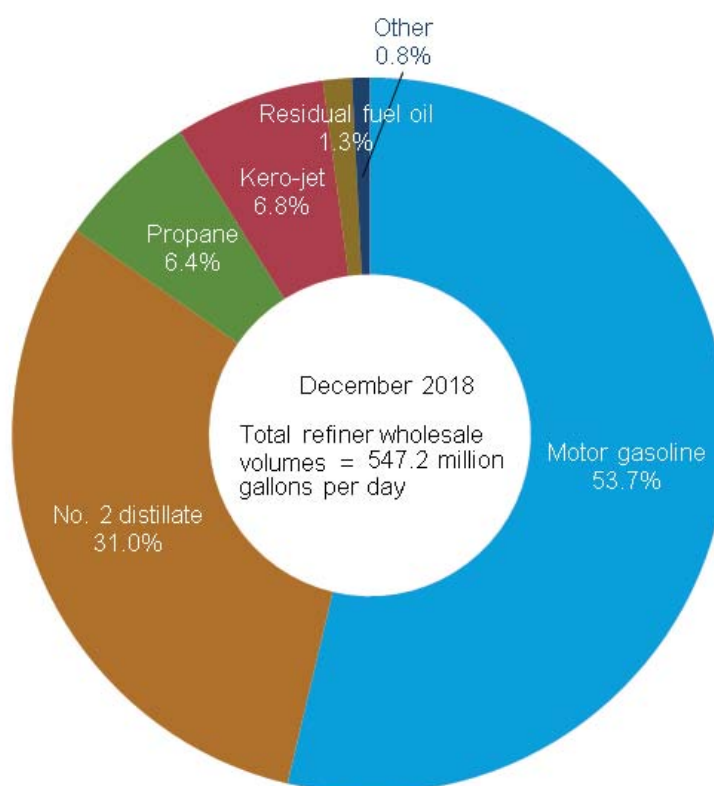
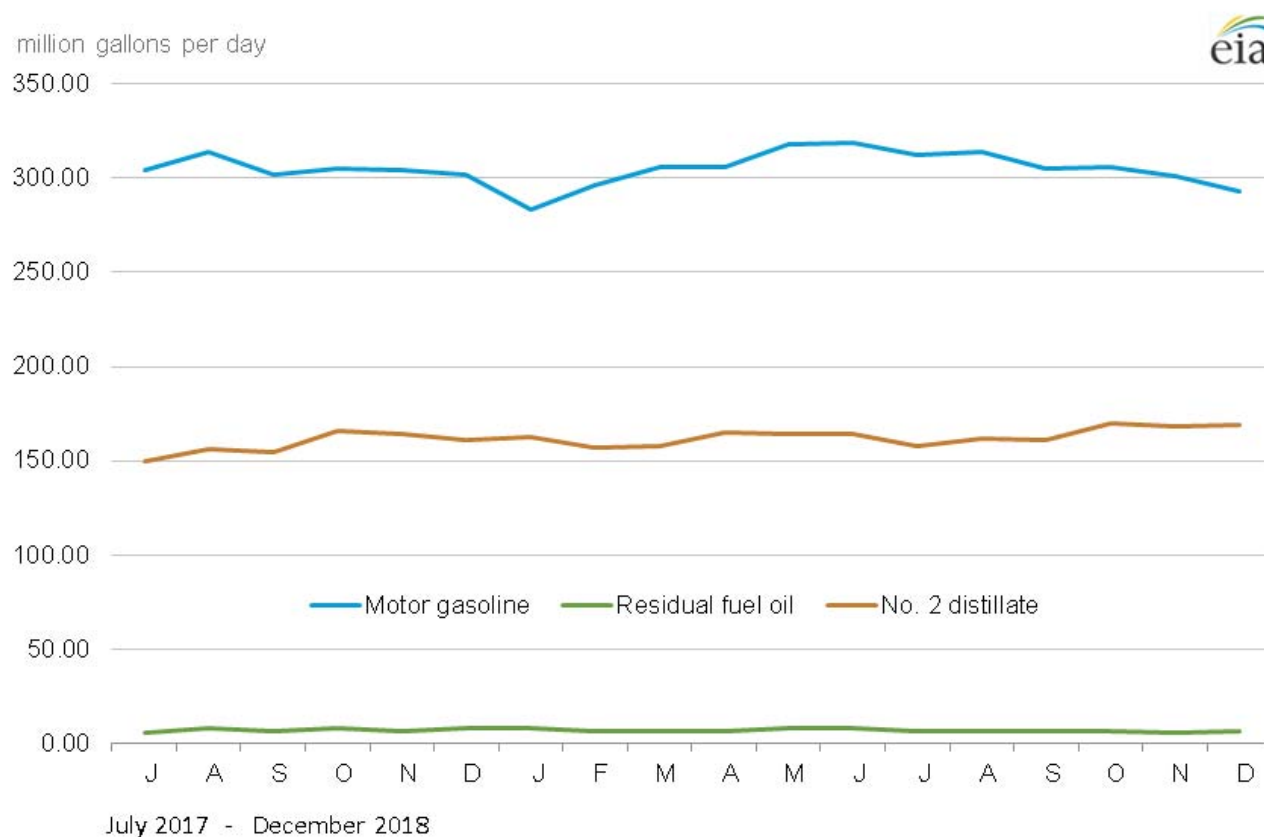
R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

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



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

Table 6. U.S. refiner motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.695	0.689	0.646	0.547	0.502	0.566	0.791	0.785	0.704	0.584	NA	0.638
1995	0.723	0.717	0.682	0.576	0.534	0.593	0.813	0.808	0.737	0.619	NA	0.670
1996	0.812	0.807	0.770	0.672	0.622	0.685	0.901	0.896	0.824	0.709	NA	0.759
1997	0.803	0.798	0.764	0.656	0.615	0.673	0.898	0.895	0.822	0.694	0.711	0.749
1998	0.634	0.630	0.596	0.481	0.449	0.499	0.731	0.728	0.655	0.521	NA	0.576
1999	0.747	0.742	0.730	0.605	0.542	0.620	0.838	0.835	0.784	0.639	NA	0.696
2000	1.077	1.073	1.042	0.927	0.873	0.942	1.171	1.168	1.099	0.960	-	1.013
2001	1	0.997	0.977	0.848	0.786	0.865	1.103	1.10	1.042	0.888	-	0.945
2002	0.915	0.912	0.886	0.801	0.735	0.806	1.013	1.010	0.968	0.839	-	0.885
2003	1.127	1.123	1.134	0.965	0.888	0.981	1.222	1.218	1.196	1.004	-	1.061
2004	1.407	1.404	1.414	1.257	1.182	1.269	1.503	1.499	1.469	1.296	-	1.340
2005	1.805	1.802	1.765	1.653	1.568	1.654	1.896	1.893	1.821	1.681	-	1.708
2006	2.102	2.099	2.082	1.944	1.866	1.950	2.216	2.213	2.157	1.987	-	2.016
2007	2.318	2.315	2.278	2.161	2.074	2.161	2.440	2.438	2.351	2.226	-	2.245
2008	2.752	2.748	2.702	2.558	2.525	2.570	2.880	2.879	2.775	2.588	-	2.610
2009	1.860	1.856	1.866	1.744	1.668	1.747	1.998	1.997	1.957	1.762	-	1.784
2010	2.275	2.270	2.261	2.144	2.073	2.146	2.416	2.416	2.357	2.168	-	2.185
2011	3.028	3.021	2.961	2.846	2.762	2.847	3.165	3.165	3.057	2.880	-	2.893
2012	3.132	3.118	3.086	2.892	2.836	2.904	3.291	3.290	3.194	2.906	-	2.925
2013	3.029	3.010	2.907	2.769	2.747	2.779	3.200	3.199	3.038	2.862	-	2.876
2014	2.832	2.811	2.767	2.574	2.520	2.584	3.031	3.030	2.903	2.716	-	2.738
2015	1.939	1.938	2.105	1.654	1.604	1.681	2.225	2.224	2.252	1.824	-	1.872
2016	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	R1.679	1.688	2.534	2.532	2.435	1.833	-	1.899
December	1.881	1.878	2.085	1.421	1.459	1.465	2.300	2.299	2.219	1.604	-	1.673

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	R1.998	R1.825	2.062	2.210	2.205	2.369	1.683	R1.694	R1.732
December	2.534	2.526	2.319	1.759	1.594	1.826	1.977	1.973	2.137	1.459	1.476	1.509

NA = Not available.

- = No data reported.

R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

Table 7. U.S. refiner motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
1995	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
1996	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
1997	40.5	42.4	46.2	135.7	33.9	215.8	9.7	10.0	12.1	16.3	NA	28.4
1998	41.7	43.2	44.4	138.9	37.1	220.3	10.1	10.3	11.1	16.3	NA	27.4
1999	41.6	43.0	45.6	147.5	34.5	227.6	9.9	10.1	10.5	16.1	NA	26.6
2000	43.6	45.0	47.5	159.3	32.4	239.3	8.6	8.7	8.8	14.2	-	23.0
2001	45.0	46.3	47.2	163.2	33.0	243.5	8.3	8.4	7.8	13.3	-	21.1
2002	46.2	47.4	46.9	163.0	39.2	249.2	8.3	8.5	7.4	13.4	-	20.8
2003	47.3	48.6	43.5	171.4	40.1	255.0	7.8	7.9	5.5	13.1	-	18.6
2004	44.5	45.8	41.1	182.1	42.2	265.4	6.4	6.5	4.4	12.7	-	17.0
2005	46.4	47.5	37.5	189.8	45.8	273.2	5.9	6.0	3.2	13.5	-	16.7
2006	48.2	49.4	34.8	196.0	40.8	271.7	5.5	5.5	2.4	11.7	-	14.1
2007	47.0	47.8	34.0	195.7	46.8	276.6	5.0	5.0	2.0	11.7	-	13.7
2008	45.6	46.6	32.5	192.7	43.7	268.8	4.1	4.2	1.5	11.0	-	12.5
2009	40.5	42.2	32.4	196.8	39.3	268.5	3.5	3.5	1.3	10.2	-	11.5
2010	36.6	38.1	29.0	202.2	41.4	272.5	3.0	3.1	0.9	9.9	-	10.8
2011	32.1	33.5	24.9	204.9	30.5	260.2	2.5	2.5	0.7	8.5	-	9.2
2012	23.6	25.2	22.4	209.3	25.8	257.5	1.9	1.9	0.6	8.3	-	8.9
2013	19.3	20.9	22.7	209.2	22.3	254.2	1.6	1.6	0.6	6.7	-	7.2
2014	16.7	18.2	18.9	216.9	18.9	254.8	1.4	1.4	0.4	3.1	-	3.5
2015	20.8	21.1	18.0	224.2	19.6	261.8	1.7	1.8	0.3	2.7	-	3.1
2016	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	257.3	1.6	1.6	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	R28.5	1.7	34.9	24.3	24.6	21.5	R263.4	R16.9	R301.8
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

NA = Not available.

- = No data reported.

R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.687	0.681	0.636	0.545	0.50	0.558	0.784	0.778	0.694	NA	NA	0.627
1995	0.710	0.704	0.651	0.570	0.525	0.573	0.80	0.794	0.711	0.610	NA	0.637
1996	0.797	0.791	0.743	0.665	0.607	0.664	0.884	0.878	0.801	0.70	NA	0.726
1997	0.781	0.775	0.719	0.649	0.60	0.648	0.874	0.869	0.783	0.685	W	0.708
1998	0.611	0.606	0.551	0.473	0.439	0.473	0.704	0.70	0.613	0.511	W	0.533
1999	0.710	0.706	0.676	0.595	0.520	0.590	0.802	0.799	0.734	0.628	-	0.650
2000	1.045	1.040	0.994	0.913	0.844	0.909	1.136	1.133	1.052	0.945	-	0.964
2001	0.961	0.958	0.914	0.835	0.761	0.830	1.058	1.055	0.984	0.872	-	0.889
2002	0.893	0.891	0.836	0.791	0.723	0.782	0.985	0.981	0.906	0.829	-	0.839
2003	1.081	1.078	1.040	0.952	0.871	0.942	1.173	1.168	1.108	0.994	-	1.006
2004	1.368	1.364	1.325	1.244	1.170	1.234	1.454	1.450	1.391	1.287	-	1.296
2005	1.780	1.776	1.709	1.643	1.555	1.629	1.861	1.857	1.781	1.675	-	1.682
2006	2.062	2.060	2.054	1.925	1.864	1.918	2.166	2.164	2.134	1.972	-	1.980
2007	2.292	2.289	2.242	2.153	2.065	2.138	2.392	2.390	2.298	2.222	-	2.225
2008	2.717	2.714	2.698	2.560	2.513	2.555	2.829	2.829	2.734	2.581	-	2.586
2009	1.825	1.821	1.817	1.735	1.657	1.723	1.936	1.936	1.877	1.751	-	1.755
2010	2.244	2.239	2.244	2.139	2.065	2.128	2.361	2.361	2.336	2.160	-	2.164
2011	2.998	2.989	2.916	2.834	2.751	2.825	3.105	3.104	3.033	2.869	-	2.872
2012	3.076	3.060	2.999	2.867	2.816	2.864	3.202	3.202	3.117	2.886	-	2.890
2013	2.975	2.954	2.797	2.745	2.724	2.745	3.110	3.110	2.947	2.850	-	2.852
2014	2.775	2.753	2.706	2.558	2.502	2.556	2.932	2.931	2.858	2.703	-	2.711
2015	1.833	1.833	1.858	1.625	1.575	1.625	2.033	2.032	2.090	1.794	-	1.809
2016	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	R1.655	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

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	R2.010	R1.778	R2.007	2.038	2.035	2.164	1.665	R1.667	R1.675
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

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent. Sales to end users - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

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

million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	29.7	31.2	36.1	113.5	22.8	172.4	7.6	7.8	10.1	14.6	0.1	24.8
1995	24.0	25.3	19.4	105.1	26.0	150.5	6.0	6.3	5.1	13.6	0.1	18.7
1996	24.1	25.4	17.8	108.5	27.1	153.4	5.7	5.9	4.4	12.9	NA	17.3
1997	25.0	26.4	16.4	110.9	26.4	153.7	5.7	5.9	3.9	12.7	W	16.6
1998	25.4	26.6	13.7	112.0	28.8	154.5	6.0	6.1	3.4	12.5	W	15.8
1999	25.0	26.0	13.4	117.4	24.9	155.8	5.9	6.0	3.1	12.2	-	15.3
2000	26.0	27.1	12.8	125.7	23.9	162.4	4.9	5.0	2.3	10.8	-	13.1
2001	26.6	27.4	12.0	128.5	24.0	164.5	4.6	4.7	1.9	10.2	-	12.0
2002	27.2	28.0	11.3	127.9	31.0	170.2	4.7	4.8	1.6	10.4	-	11.9
2003	27.5	28.3	10.3	131.1	32.4	173.8	4.3	4.4	1.2	10.0	-	11.2
2004	26.5	27.3	9.7	136.7	36.1	182.5	3.5	3.6	0.9	9.8	-	10.8
2005	27.4	28.3	9.0	140.1	36.4	185.5	3.1	3.2	0.7	10.8	-	11.5
2006	28.9	29.8	7.3	143.7	37.4	188.4	2.9	2.9	0.5	9.3	-	9.7
2007	29.6	30.2	7.4	150.3	43.0	200.7	2.6	2.6	0.5	10.3	-	10.8
2008	28.9	29.8	7.1	144.5	39.5	191.1	2.1	2.2	0.4	9.9	-	10.3
2009	26.5	27.8	6.6	147.0	35.9	189.5	1.9	1.9	0.3	9.1	-	9.4
2010	24.9	26.2	5.9	147.6	37.1	190.7	1.7	1.7	0.2	8.7	-	8.9
2011	21.3	22.4	5.4	147.3	26.3	179.0	1.3	1.3	0.1	7.4	-	7.5
2012	14.4	15.7	5.0	149.0	21.7	175.8	0.9	0.9	0.1	7.2	-	7.4
2013	11.6	13.0	6.2	149.9	18.8	174.9	0.7	0.7	0.1	5.7	-	5.8
2014	11.1	12.5	4.3	154.9	16.8	176.0	0.6	0.6	0.1	2.1	-	2.3
2015	14.0	14.3	3.9	160.7	16.8	181.4	0.8	0.8	0.1	1.9	-	2.0
2016	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	162.9	10.8	177.1	0.7	0.7	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	R17.4	R1.4	R19.5	15.1	15.4	4.2	R186.3	R14.3	R204.8
December	0.9	1.0	0.7	17.1	1.5	19.4	14.6	14.9	4.2	181.2	12.3	197.7

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. Sales to end users Year month Sales for resale - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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

Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.764	0.758	0.720	0.569	0.543	0.638	0.879	0.873	0.770	0.628	W	0.728
1995	0.749	0.744	0.707	0.605	0.573	0.650	0.836	0.833	0.753	0.651	-	0.723
1996	0.834	0.830	0.788	0.698	0.677	0.738	0.924	0.921	0.837	0.741	W	0.809
1997	0.830	0.828	0.787	0.682	0.668	0.731	0.928	0.925	0.840	0.725	W	0.807
1998	0.668	0.665	0.616	0.509	0.484	0.557	0.769	0.767	0.673	0.553	W	0.638
1999	0.804	0.80	0.752	0.642	0.601	0.686	0.895	0.892	0.807	0.676	NA	0.767
2000	1.126	1.123	1.058	0.978	0.953	1.012	1.219	1.217	1.114	1.014	-	1.085
2001	1.059	1.056	1.001	0.893	0.856	0.938	1.166	1.163	1.061	0.942	-	1.027
2002	0.946	0.944	0.906	0.834	0.779	0.861	1.052	1.050	0.988	0.875	-	0.958
2003	1.196	1.192	1.168	1.006	0.962	1.069	1.293	1.290	1.224	1.047	-	1.165
2004	1.472	1.470	1.447	1.299	1.248	1.353	1.572	1.570	1.494	1.340	-	1.436
2005	1.850	1.848	1.787	1.682	1.619	1.711	1.945	1.944	1.834	1.726	-	1.789
2006	2.166	2.164	2.097	2.002	1.885	2.030	2.275	2.274	2.170	2.078	-	2.129
2007	2.362	2.360	2.288	2.186	2.175	2.221	2.490	2.489	2.368	2.256	-	2.316
2008	2.812	2.810	2.703	2.553	2.642	2.607	2.934	2.934	2.788	2.652	-	2.721
2009	1.927	1.925	1.878	1.770	1.782	1.806	2.066	2.066	1.981	1.855	-	1.914
2010	2.342	2.339	2.265	2.159	2.141	2.188	2.485	2.485	2.362	2.229	-	2.280
2011	3.089	3.085	2.973	2.874	2.831	2.895	3.233	3.233	3.062	2.954	-	2.990
2012	3.219	3.212	3.111	2.956	2.947	2.988	3.372	3.372	3.213	3.047	-	3.098
2013	3.110	3.101	2.948	2.830	2.869	2.856	3.268	3.268	3.066	2.939	-	2.979
2014	2.946	2.938	2.784	2.614	2.663	2.647	3.111	3.111	2.920	2.746	-	2.788
2015	2.159	2.158	2.174	1.728	1.775	1.807	2.404	2.404	2.321	1.892	-	1.989
2016	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	2.137	1.489	1.548	1.597	2.496	2.496	2.255	1.669	-	1.803

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	2.353	1.780	1.810	1.929	2.279	2.278	2.188	1.533	1.584	1.652

NA = Not available.

-- = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

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

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

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

million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.6	0.6	2.1	1.6	0.6	4.3	0.2	0.2	0.7	0.3	W	1.0
1995	7.8	8.1	20.7	W	W	43.3	3.0	3.1	7.4	3.1	-	10.5
1996	10.7	11.1	26.1	20.5	8.0	54.6	3.3	3.4	7.9	3.3	W	11.3
1997	13.4	13.8	28.0	21.7	7.6	57.3	3.6	3.7	7.9	3.1	W	11.0
1998	14.3	14.5	28.6	23.0	8.3	59.9	3.7	3.8	7.4	3.1	W	10.5
1999	14.5	14.8	29.8	26.1	9.6	65.5	3.6	3.7	7.0	3.1	NA	10.2
2000	15.5	15.9	32.1	29.1	8.5	69.6	3.3	3.4	6.2	2.6	-	8.8
2001	16.3	16.7	32.7	30.0	9.0	71.7	3.3	3.3	5.7	2.2	-	7.9
2002	16.9	17.2	33.1	30.4	8.2	71.7	3.3	3.3	5.6	2.1	-	7.6
2003	17.7	18.0	30.9	35.1	7.6	73.6	3.1	3.1	4.1	2.0	-	6.1
2004	16.2	16.5	29.5	39.7	6.1	75.3	2.6	2.6	3.3	2.0	-	5.2
2005	17.1	17.4	27.5	43.5	9.5	80.4	2.6	2.6	2.5	1.8	-	4.2
2006	17.7	18.0	26.8	45.7	3.4	75.9	2.5	2.5	1.9	1.5	-	3.4
2007	17.4	17.6	26.7	45.4	3.8	75.9	2.4	2.4	1.6	1.3	-	2.9
2008	16.6	16.9	25.4	48.1	4.2	77.7	2.0	2.0	1.1	1.1	-	2.2
2009	14.0	14.3	25.8	49.8	3.4	79.0	1.7	1.7	1.0	1.1	-	2.1
2010	11.7	11.9	23.1	54.5	4.2	81.9	1.3	1.3	0.7	1.2	-	1.9
2011	10.8	11.1	19.5	57.6	4.2	81.3	1.2	1.2	0.5	1.1	-	1.6
2012	9.2	9.5	17.4	60.3	4.0	81.7	1.0	1.0	0.5	1.0	-	1.5
2013	7.6	7.9	16.5	59.3	3.5	79.3	0.9	0.9	0.4	1.0	-	1.4
2014	5.5	5.7	14.6	62.0	2.1	78.8	0.7	0.7	0.3	0.9	-	1.2
2015	6.8	6.8	14.1	63.5	2.8	80.3	0.9	0.9	0.2	0.8	-	1.1
2016	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

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

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

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

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

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

dollars per gallon excluding taxes

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Average	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1994	0.401	0.345	0.330	0.287	0.352	0.317
1995	0.436	0.383	0.377	0.338	0.392	0.363
1996	0.526	0.456	0.433	0.389	0.455	0.420
1997	0.488	0.415	0.403	0.366	0.423	0.387
1998	0.354	0.299	0.287	0.269	0.305	0.280
1999	0.405	0.382	0.362	0.329	0.374	0.354
2000	0.708	0.627	0.566	0.512	0.602	0.566
2001	0.642	0.523	0.492	0.428	0.531	0.476
2002	0.640	0.546	0.544	0.508	0.569	0.530
2003	0.804	0.728	0.651	0.588	0.698	0.661
2004	0.835	0.764	0.692	0.601	0.739	0.681
2005	1.168	1.115	0.974	0.842	1.048	0.971
2006	1.342	1.202	1.173	1.085	1.218	1.136
2007	1.436	1.406	1.350	1.314	1.374	1.350
2008	2.144	1.918	1.889	1.843	1.964	1.866
2009	1.413	1.337	1.306	1.344	1.341	1.342
2010	1.920	1.756	1.619	1.679	1.713	1.697
2011	2.736	2.389	2.257	2.316	2.401	2.336
2012	3.025	2.548	2.433	2.429	2.592	2.457
2013	2.883	2.363	2.353	2.249	2.482	2.278
2014	2.694	2.153	2.221	1.996	2.325	2.044
2015	1.529	0.971	1.227	0.999	1.285	0.996
2016	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	R1.562	1.827	R1.556
December	W	1.252	1.467	1.295	1.608	1.293

NA = Not available.

R = Revised data.

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

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

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

million gallons per day

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1994	4.2	6.6	9.3	6.2	13.5	12.8
1995	2.9	7.7	8.7	5.9	11.6	13.6
1996	3.1	6.3	9.8	7.4	12.9	13.8
1997	3.2	4.8	10.3	6.7	13.4	11.5
1998	3.9	5.7	10.5	9.6	14.4	15.4
1999	3.9	5.3	10.0	6.2	13.9	11.5
2000	3.3	4.9	9.8	5.6	13.1	10.5
2001	3.8	5.2	11.0	5.1	14.8	10.3
2002	2.7	5.1	7.8	3.7	10.4	8.8
2003	3.3	3.5	7.4	3.2	10.7	6.7
2004	3.4	2.9	6.8	3.0	10.2	5.9
2005	4.0	2.2	6.4	2.5	10.4	4.7
2006	2.8	2.8	7.6	3.6	10.4	6.5
2007	3.1	3.2	7.8	5.0	10.9	8.2
2008	2.5	2.9	5.9	6.6	8.4	9.5
2009	2.8	2.9	5.7	6.9	8.5	9.8
2010	2.4	2.6	5.2	8.1	7.6	10.7
2011	1.9	3.4	4.5	8.8	6.4	12.2
2012	1.5	2.1	4.0	6.8	5.5	8.8
2013	1.3	2.3	3.9	6.7	5.2	9.0
2014	1.0	2.4	3.6	5.6	4.6	8.0
2015	0.8	0.9	3.3	7.1	4.0	8.1
2016	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

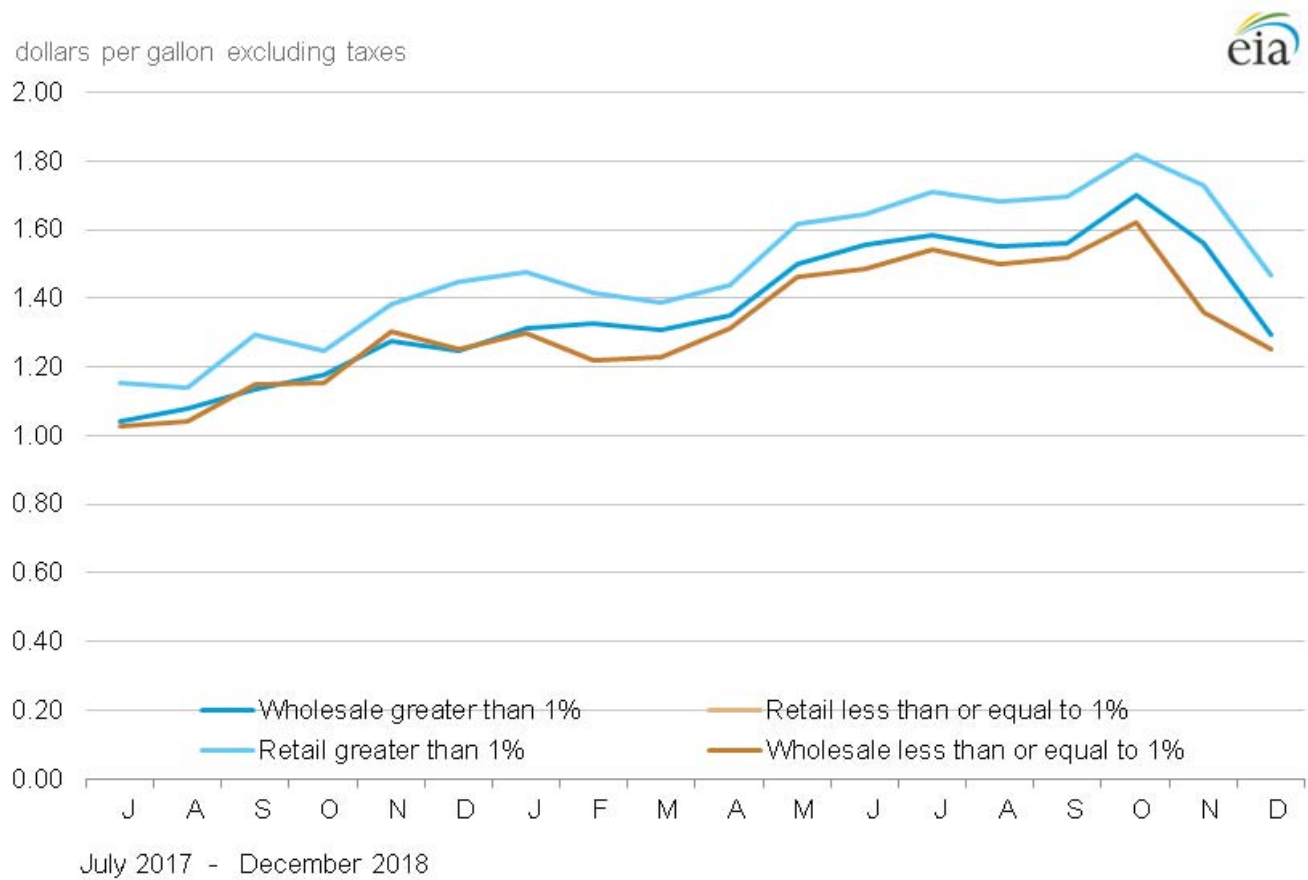
NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

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



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

Crude Oil Prices

Table 18. Domestic crude oil first purchase prices
dollars per barrel

Year month	U.S. Average		PAD District 1				PAD District 2						
	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
1997	17.23	17.92	19.25	18.49	18.79	17.56	18.60	19.11	18.73	18.63	17.97	18.75	18.10
1998	10.87	11.51	13.21	13.66	13.67	11.95	12.29	12.78	12.49	12.19	11.67	12.39	11.50
1999	15.56	16.38	17.36	18.65	18.49	16.46	17.27	17.37	17.31	17.08	16.68	16.63	17.21
2000	26.72	27.48	28.12	28.78	28.80	27.12	28.49	28.14	27.91	28.16	26.47	28.12	27.97
2001	21.84	22.77	23.98	24.19	24.82	22.35	23.95	23.76	23.46	23.56	22.53	22.69	23.67
2002	22.51	23.33	23.94	24.28	24.86	22.55	24.05	23.84	23.43	23.61	22.49	23.68	23.62
2003	27.56	28.47	29.12	28.91	29.60	28.06	29.24	29.10	28.38	28.68	27.21	29.18	28.63
2004	36.77	37.63	39.08	39.40	39.48	38.38	39.40	38.74	38.18	39.18	36.82	39.14	38.42
2005	50.28	51.02	53.84	54.64	54.57	53.75	53.33	51.20	51.02	53.41	49.45	53.67	52.38
2006	59.69	60.22	63.99	63.51	64.02	63.07	60.48	59.70	59.31	60.74	58.33	60.89	57.77
2007	66.52	67.04	69.00	69.46	70.00	67.27	67.16	65.66	65.47	66.85	63.60	66.87	62.78
2008	94.04	94.72	96.60	W	96.76	95.07	92.51	93.48	91.92	92.08	90.87	95.75	87.99
2009	56.35	56.65	56.56	W	56.96	55.77	55.00	55.47	55.65	54.41	55.24	56.39	50.93
2010	74.71	75.04	71.74	W	69.80	70.74	72.45	73.18	72.82	72.43	70.63	74.91	69.65
2011	95.73	95.35	90.77	W	87.16	86.56	89.38	88.73	88.15	88.52	86.00	92.40	85.48
2012	94.52	94.11	91.19	W	88.41	87.16	86.29	88.74	88.62	87.85	87.02	90.91	84.95
2013	95.99	96.00	92.45	W	89.84	91.26	91.64	92.94	93.04	91.85	91.17	96.50	87.44
2014	87.39	87.45	82.20	W	80.07	82.46	85.01	87.66	87.88	86.80	86.61	89.46	82.82
2015	44.39	44.58	37.65	W	38.98	33.72	42.44	43.97	44.51	43.16	45.38	45.38	40.10
2016	38.29	38.64	34.88	W	38.50	31.11	37.62	38.85	38.97	37.87	39.95	43.07	36.22
2017													
January	48.19	48.47	46.27	W	48.14	43.95	47.16	48.20	48.11	47.67	49.16	53.17	46.07
February	49.41	49.70	46.67	W	48.74	43.99	48.89	49.35	48.82	48.09	50.12	53.79	46.62
March	46.39	46.55	43.98	W	44.89	42.42	45.17	45.90	45.69	44.33	46.26	50.19	42.85
April	47.23	47.47	45.42	W	46.33	44.62	46.52	47.08	47.05	46.23	47.55	51.67	44.63
May	45.19	45.42	42.58	W	43.72	41.56	44.58	44.55	44.46	43.69	45.09	49.23	42.24
June	42.17	42.42	39.34	W	40.60	38.25	41.26	41.16	41.11	40.38	39.87	45.79	38.87
July	43.42	43.57	40.98	W	41.63	39.75	42.75	42.61	42.51	41.81	43.63	46.97	40.40
August	44.96	45.15	41.89	W	43.20	39.95	44.68	44.15	44.05	43.08	44.77	48.72	41.48
September	47.17	47.30	43.40	W	43.46	41.94	46.33	45.61	45.46	44.60	46.22	50.54	43.07
October	49.12	49.20	46.24	W	47.09	44.52	49.29	48.53	47.51	46.79	48.02	52.26	45.39
November	55.19	55.26	51.11	W	51.76	49.02	54.94	52.85	52.64	52.05	53.32	57.31	50.32
December	56.98	57.09	52.73	W	52.83	50.63	55.94	54.24	54.13	53.38	54.82	58.52	51.77
2017	48.05	48.23	44.96	W	45.93	43.34	47.39	47.02	46.76	45.95	47.33	51.51	44.33
2018													
January	62.25	62.38	57.79	W	57.76	55.46	61.44	59.93	59.72	59.00	60.42	64.33	57.40
February	61.20	61.35	56.69	W	56.82	54.52	59.67	58.47	58.26	57.64	58.91	62.81	56.04
March	60.68	60.82	57.27	W	57.73	55.69	59.64	59.18	58.89	58.35	59.75	63.48	56.78
April	63.50	63.58	60.40	W	61.22	58.72	63.04	62.62	62.27	61.75	62.83	67.51	60.07
May	66.16	66.14	64.27	W	65.17	62.09	66.37	66.19	65.96	65.35	66.52	70.94	63.82
June	62.80	62.70	62.48	W	62.30	60.46	63.75	63.75	63.46	62.73	63.99	68.40	61.12
July	67.00	66.96	66.27	W	65.40	63.59	68.10	67.27	67.03	66.47	67.66	71.55	64.67
August	62.64	62.49	61.95	W	62.18	60.36	65.83	64.25	64.03	63.74	64.66	68.89	61.78
September	63.55	63.21	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	47.72	47.57	43.98	W	43.42	41.67	40.97	45.30	45.10	44.30	45.45	48.47	42.05
2018	61.41	61.36	59.43	W	59.52	57.30	61.19	61.24	60.98	60.45	61.84	65.51	58.61

See footnotes at end of table.

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

dollars per barrel

Year month	PAD District 2 (cont.)				PAD District 3							Federal Offshore Gulf
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	
1997	17.63	17.77	19.05	17.80	18.69	18.58	17.58	19.22	16.94	19.02	18.66	18.63
1998	11.39	12.20	12.73	12.29	12.19	12.08	11.10	12.59	10.33	12.36	12.28	12.03
1999	16.70	16.41	17.77	16.86	17.07	16.71	15.89	17.73	15.42	17.46	17.29	16.66
2000	28.19	27.49	29.08	28.18	28.22	27.63	26.98	29.03	26.23	28.80	28.60	27.59
2001	23.55	22.55	24.68	23.89	23.43	23.18	21.82	24.51	21.13	23.72	23.41	23.29
2002	24.15	22.61	24.49	23.96	23.74	23.39	21.50	24.84	22.11	24.11	23.77	23.49
2003	29.27	28.18	29.72	28.94	29.08	28.97	26.57	30.52	27.46	29.52	29.13	28.72
2004	39.30	38.27	39.95	38.40	38.41	38.79	36.67	40.48	37.03	39.25	38.79	37.07
2005	52.38	53.47	54.46	50.65	51.96	53.26	50.86	54.05	49.58	52.84	52.61	49.78
2006	56.69	62.89	63.11	51.85	61.49	63.16	58.67	64.23	59.35	61.74	61.31	60.80
2007	65.30	68.09	69.31	62.78	68.37	71.10	64.25	71.63	68.65	68.94	68.30	67.40
2008	88.68	96.43	96.15	87.42	97.64	96.71	90.91	100.89	94.60	96.23	96.85	99.10
2009	53.75	56.35	56.56	50.75	57.77	55.25	53.07	59.18	58.29	57.08	57.40	58.22
2010	70.26	73.68	75.18	69.04	76.57	75.54	71.01	78.25	76.41	75.64	76.23	77.06
2011	88.74	90.79	90.94	87.08	96.79	105.99	87.61	106.20	100.43	90.93	91.99	105.65
2012	84.06	92.87	89.97	83.10	96.11	104.81	89.39	105.97	100.80	88.01	92.50	105.95
2013	90.22	94.89	94.25	89.28	97.53	103.10	92.98	105.18	100.44	92.13	95.80	103.29
2014	82.89	83.95	89.25	82.78	88.43	89.73	85.23	94.13	90.81	83.44	87.02	93.33
2015	41.42	38.40	44.96	42.73	45.61	44.55	43.04	48.43	46.81	44.40	44.95	47.67
2016	36.51	37.04	39.51	36.39	39.19	38.53	37.21	41.08	39.18	39.18	39.35	38.63
2017												
January	45.87	47.38	49.24	45.92	48.92	47.90	46.32	50.52	47.70	49.44	49.41	47.67
February	48.26	48.26	50.23	47.90	50.04	49.21	47.10	51.43	48.68	50.46	50.45	48.97
March	44.40	44.39	46.74	43.97	47.08	45.94	43.37	48.11	45.44	46.72	46.77	47.91
April	45.62	45.88	48.24	45.38	47.82	47.50	44.73	49.68	46.99	47.29	47.93	47.63
May	44.07	43.48	45.74	42.83	45.77	45.47	42.16	47.54	44.96	44.56	45.37	47.09
June	40.62	40.91	42.60	39.54	42.89	42.02	38.88	44.27	41.86	41.75	42.49	44.33
July	42.09	42.34	44.13	41.42	43.89	43.86	40.16	45.81	43.35	43.33	43.87	44.05
August	44.25	43.84	45.79	43.04	45.27	45.56	42.02	47.56	45.33	44.79	45.37	45.05
September	46.00	45.63	47.26	45.03	47.47	47.74	43.47	49.36	47.29	46.76	47.52	47.51
October	49.93	47.54	48.73	46.67	49.02	50.98	45.09	52.35	50.57	47.75	49.29	48.45
November	55.50	52.43	54.87	52.18	55.28	56.94	50.55	58.57	56.65	53.95	55.42	55.09
December	56.44	53.80	55.75	53.43	57.39	58.81	51.81	60.10	58.40	55.77	57.27	58.22
2017	47.04	46.14	48.41	45.60	48.50	48.34	44.60	50.37	48.06	47.90	48.57	48.46
2018												
January	61.75	59.25	61.50	59.18	62.56	63.85	57.22	65.57	63.42	61.57	62.87	61.88
February	59.65	58.01	60.22	57.96	61.89	62.04	55.97	63.51	61.25	60.85	61.78	62.60
March	58.96	58.65	61.01	58.64	61.07	60.42	56.82	62.69	60.29	60.51	61.22	60.85
April	62.48	62.01	64.37	61.65	63.53	63.69	59.74	65.82	63.41	62.86	63.84	62.81
May	65.72	65.45	67.83	65.31	65.64	67.75	62.52	69.99	67.39	63.02	65.38	67.34
June	63.01	62.82	65.35	62.37	61.79	66.92	59.79	68.65	66.31	55.59	60.18	68.51
July	67.85	66.20	69.08	66.09	66.33	73.20	64.46	74.52	72.38	60.02	65.14	71.30
August	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	61.33	70.34	63.86	71.80	69.46	52.97	59.56	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	37.68	44.18	46.74	38.89	49.25	51.44	43.90	52.47	51.20	43.59	46.59	58.94
2018	60.33	60.61	62.95	59.55	61.04	64.93	58.69	66.65	64.39	56.06	59.91	65.97

See footnotes at end of table.

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

dollars per barrel

Year month	PAD District 4					PAD District 5				
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore CA
1997	17.80	19.03	17.00	18.57	17.41	15.06	14.84	17.43	15.78	12.97
1998	11.38	12.56	11.28	12.52	10.70	8.80	8.47	11.55	9.55	6.99
1999	16.79	17.37	16.54	17.69	16.47	13.10	12.46	17.44	14.08	11.78
2000	27.60	28.85	27.82	28.53	26.89	24.16	23.62	28.23	24.82	23.32
2001	22.73	24.82	23.16	24.09	21.55	19.03	18.18	23.30	20.11	18.38
2002	23.01	25.29	22.76	23.87	21.96	20.39	19.37	24.47	21.87	19.03
2003	28.09	30.71	28.66	28.88	26.63	24.97	23.78	28.48	26.43	24.25
2004	37.34	40.38	38.53	39.35	35.10	33.69	33.03	38.76	34.47	32.23
2005	50.65	55.34	52.66	53.98	45.63	47.03	47.05	54.19	47.08	43.48
2006	57.38	63.80	56.69	59.70	53.25	57.03	56.86	64.10	57.34	53.37
2007	62.54	67.04	64.64	62.48	58.34	64.24	63.69	69.60	65.07	59.39
2008	88.23	90.80	89.96	86.58	86.07	90.16	90.10	95.04	90.47	85.68
2009	52.16	52.33	52.96	50.22	52.30	55.23	54.41	W	56.11	53.59
2010	69.72	72.75	70.24	68.09	68.10	73.29	72.33	W	74.51	69.80
2011	85.64	88.26	88.61	82.53	83.45	100.39	98.79	W	102.50	96.01
2012	82.91	85.78	82.98	82.73	80.70	101.33	98.70	W	104.10	97.04
2013	87.16	90.10	88.73	84.79	85.30	99.08	95.79	W	102.53	91.40
2014	80.92	82.48	80.54	79.04	80.54	89.30	86.41	W	92.14	80.55
2015	40.58	40.51	40.38	40.69	40.64	43.58	41.11	W	45.63	37.62
2016	36.68	37.81	35.40	36.92	35.98	35.68	33.13	W	37.96	W
2017										
January	46.14	47.14	44.74	44.83	46.23	46.55	43.91	W	49.00	W
February	48.06	49.79	46.75	45.88	47.94	47.42	45.01	W	49.73	W
March	44.44	45.09	43.36	43.79	44.49	45.24	43.95	W	46.52	W
April	45.54	46.62	44.17	43.34	46.07	45.89	43.63	W	48.10	W
May	43.62	44.04	42.49	42.76	44.07	43.65	41.59	W	45.65	W
June	40.56	40.77	38.95	40.44	40.90	40.17	37.40	W	42.32	W
July	41.69	41.92	40.62	40.23	42.63	42.48	40.56	W	44.04	W
August	43.34	43.55	42.49	42.15	44.02	44.46	41.15	W	46.94	W
September	45.27	45.40	44.61	43.69	46.14	47.61	45.15	W	50.10	W
October	46.88	46.88	46.83	45.15	47.76	50.42	47.93	W	53.08	W
November	51.90	52.07	52.32	49.36	52.82	56.53	54.07	-	59.20	W
December	52.86	53.08	53.29	50.11	53.83	58.03	54.88	W	60.87	W
2017	45.94	46.41	44.89	44.24	46.63	47.44	45.21	W	49.54	W
2018										
January	58.46	58.71	58.60	56.49	59.06	63.33	60.38	W	66.66	W
February	57.20	57.57	57.02	55.27	57.84	61.16	58.38	W	63.89	W
March	57.73	57.93	57.01	56.65	58.24	61.13	58.55	W	64.23	W
April	61.00	61.36	60.76	59.27	61.50	65.09	62.27	W	68.19	W
May	64.47	64.72	64.02	61.55	65.63	69.57	66.50	W	73.12	W
June	61.86	62.43	61.20	58.87	62.87	67.96	64.42	W	71.66	W
July	65.25	65.53	66.34	61.19	66.86	70.55	67.92	W	72.78	W
August	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	41.35	44.30	32.39	43.55	38.82	52.07	50.12	W	54.45	W
2018	59.02	59.90	58.03	57.09	59.12	65.07	62.25	W	68.12	W

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

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

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

dollars per barrel

Year month	Alaska North Slope	California Kern River	California Midway-Sunset	Heavy Louisiana Sweet	Louisiana Light Sweet	Mars Blend	West Texas Intermediate	West Texas Sour	Wyoming Sweet
1997	14.84	15.02	14.88	-	-	-	19.27	17.77	-
1998	8.47	8.59	8.48	-	-	-	12.89	11.50	-
1999	12.46	14.02	12.22	-	-	-	17.78	16.66	-
2000	23.62	23.88	23.56	-	-	-	29.16	27.66	-
2001	18.18	19.03	19.50	-	-	-	24.62	22.10	-
2002	19.37	19.80	22.81	-	-	-	24.33	23.23	-
2003	23.78	25.24	26.67	-	-	-	29.60	28.18	30.11
2004	33.03	33.42	33.74	37.78	40.24	34.53	39.55	37.29	39.52
2005	47.05	44.67	45.93	51.61	51.95	46.13	53.90	50.72	53.94
2006	56.86	55.05	54.59	63.41	64.04	57.35	63.16	59.03	60.52
2007	63.69	62.14	61.62	70.00	72.93	63.37	69.59	65.56	64.79
2008	90.10	87.27	86.92	103.96	104.51	93.40	97.39	95.31	89.30
2009	54.41	53.94	53.00	58.61	61.26	57.21	57.27	56.63	51.68
2010	72.33	72.80	72.26	78.16	79.28	75.43	76.63	75.03	70.43
2011	98.79	103.14	100.96	106.74	108.48	105.30	92.18	90.77	87.42
2012	98.70	103.41	103.05	106.77	107.53	105.03	91.36	87.94	84.81
2013	95.79	101.33	101.02	105.73	106.32	100.80	95.26	92.51	90.10
2014	86.41	90.38	89.34	95.53	94.37	92.50	85.90	85.66	82.19
2015	41.11	44.71	43.81	47.83	47.91	46.27	44.58	45.78	41.77
2016	33.13	36.83	36.12	40.37	40.56	36.75	39.20	39.44	37.86
2017									
January	43.91	47.73	47.17	50.28	49.41	45.84	49.42	48.73	47.82
February	45.01	48.71	48.06	51.11	50.41	47.07	50.62	49.25	49.94
March	43.95	45.60	45.23	48.88	47.06	45.86	46.83	45.96	45.96
April	43.63	46.90	46.78	49.94	48.50	45.80	47.50	47.23	47.56
May	41.59	44.62	44.30	48.49	46.43	45.00	44.93	44.87	45.02
June	37.40	41.43	41.01	45.29	43.26	42.38	42.08	42.27	41.83
July	40.56	43.10	42.63	46.18	44.62	42.21	43.35	43.67	43.66
August	41.15	46.03	45.63	47.90	46.41	43.13	44.94	45.16	44.72
September	45.15	49.17	48.66	49.63	48.41	46.32	47.18	47.29	46.79
October	47.93	52.02	51.69	52.16	51.67	48.72	48.56	48.10	48.57
November	54.07	W	57.91	58.58	58.13	54.02	54.75	53.89	53.58
December	54.88	W	59.24	61.19	59.89	56.49	56.64	55.83	54.88
2017	45.21	48.33	48.04	50.27	49.52	46.89	48.50	48.25	47.80
2018									
January	60.38	W	65.50	65.56	64.79	60.92	62.31	61.81	60.77
February	58.38	W	62.39	64.20	62.96	61.01	61.65	60.57	59.97
March	58.55	W	63.02	62.74	61.42	59.01	61.26	59.87	60.36
April	62.27	W	66.84	66.31	64.53	61.13	63.51	63.08	63.33
May	66.50	W	71.58	70.60	68.53	66.02	64.38	63.04	66.75
June	64.42	W	70.21	69.52	67.74	66.96	58.10	56.17	63.97
July	67.92	W	71.30	74.47	74.25	69.89	62.70	60.71	68.17
August	65.76	W	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	56.49	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	40.55
2018	62.25	67.05	66.97	67.54	66.17	64.59	58.10	57.04	60.65

- = No data reported.

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

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

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

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 or greater
1997	15.44	16.27	14.87	18.38	18.62	19.26
1998	9.22	9.62	8.50	12.03	12.17	12.80
1999	14.00	15.30	12.50	16.92	17.18	17.64
2000	24.42	25.64	23.64	28.10	28.36	29.09
2001	19.53	19.59	18.18	23.31	23.99	24.43
2002	21.08	20.80	19.39	23.62	23.94	24.26
2003	25.82	25.56	23.80	28.77	29.21	29.66
2004	33.38	35.02	33.21	37.24	39.33	39.97
2005	45.01	46.33	47.09	50.81	53.14	54.06
2006	54.96	57.89	56.18	60.78	61.83	61.86
2007	62.00	64.94	62.83	67.14	69.29	69.17
2008	87.10	91.01	89.55	98.41	96.69	94.95
2009	54.05	55.66	54.30	57.66	56.93	56.66
2010	72.40	75.04	71.78	76.22	76.03	74.48
2011	101.30	103.07	97.12	99.65	94.54	91.87
2012	102.79	101.56	96.64	98.48	93.12	91.01
2013	99.40	100.70	94.13	99.11	96.24	94.76
2014	87.83	91.05	85.48	90.95	86.56	86.12
2015	43.88	45.71	40.73	46.82	44.67	43.65
2016	36.87	38.52	32.94	38.95	39.33	38.25
2017						
January	48.35	49.32	43.77	48.25	49.47	48.12
February	48.82	49.78	44.88	49.22	50.68	49.64
March	45.70	46.37	43.79	46.92	46.93	46.04
April	47.17	48.43	43.53	47.66	47.78	47.32
May	44.77	46.00	41.55	46.07	45.26	45.31
June	41.52	42.60	37.41	43.35	42.31	42.10
July	43.22	44.58	40.48	43.96	43.63	43.63
August	46.18	47.20	41.12	45.26	45.18	45.44
September	49.30	50.57	45.06	47.62	47.39	47.29
October	52.39	53.05	47.78	49.32	48.92	50.26
November	58.59	58.91	53.91	55.03	54.99	56.23
December	60.04	60.77	54.63	57.26	56.81	57.61
2017	48.74	49.77	45.08	48.40	48.64	48.44
2018						
January	66.17	66.46	60.05	62.38	62.46	63.07
February	62.89	63.48	57.95	61.52	61.69	61.30
March	63.44	64.34	58.17	60.30	61.35	60.68
April	67.34	67.64	61.91	63.23	63.78	63.74
May	72.16	71.97	66.28	66.19	65.06	66.59
June	70.88	70.43	64.18	63.35	59.38	63.23
July	72.00	72.24	67.59	67.62	63.90	68.35
August	68.66	68.70	65.42	62.83	58.61	63.76
September	73.09	72.27	69.25	63.74	58.27	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	45.13	44.52
2018	67.45	67.25	61.87	62.35	58.95	61.59

R = Revised data.

Notes: - In November 2017, a new crude stream was added and a selected crude stream was deleted for North Dakota. In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2017 are final.

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

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

Year month	Selected countries							Persian Gulf[b]	Total OPEC[c]	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1997	18.81	18.85	16.72	19.43	15.16	18.59	15.33	15.24	16.26	17.51
1998	12.11	12.56	10.49	12.97	8.87	12.52	9.31	9.09	10.20	11.21
1999	17.46	17.20	15.89	17.32	17.65	19.14	14.33	17.15	15.90	16.84
2000	27.90	29.04	25.39	28.70	24.62	27.21	24.45	24.72	25.56	26.77
2001	23.25	24.25	18.89	24.85	18.98	23.30	18.01	18.89	19.73	21.04
2002	24.09	24.64	21.60	25.38	23.92	24.50	20.13	23.38	22.18	22.93
2003	28.22	28.89	24.83	29.40	25.03	28.76	23.81	25.17	25.36	26.21
2004	37.26	37.73	31.55	38.71	34.08	37.30	31.78	33.08	33.95	33.58
2005	52.48	51.89	43.00	55.95	47.96	54.48	46.39	47.21	49.60	45.79
2006	62.23	59.77	52.91	65.69	56.09	66.03	55.80	56.02	59.18	55.35
2007	67.80	67.93	61.35	76.64	W	69.96	64.10	69.93	69.58	62.69
2008	95.66	91.17	84.61	102.06	93.03	96.33	88.06	91.44	93.15	87.15
2009	57.07	57.90	56.47	64.61	57.87	65.63	55.58	59.53	58.53	57.16
2010	78.18	72.56	72.46	80.83	76.44	W	70.30	75.65	75.23	73.24
2011	111.82	100.21	100.90	115.35	107.08	-	97.23	106.47	105.34	98.49
2012	111.23	106.43	101.84	114.51	106.65	-	100.15	105.45	104.39	95.71
2013	107.71	101.24	98.40	110.06	101.16	W	97.52	100.62	100.57	93.67
2014	W	80.75	86.55	W	95.60	-	84.51	94.03	89.76	82.95
2015	W	47.52	44.90	W	47.53	-	40.73	46.95	43.25	41.19
2016	42.68	35.28	36.22	46.20	39.30	W	34.71	38.76	38.51	34.81
2017										
January	-	47.92	45.50	W	W	-	45.94	47.61	47.30	43.25
February	W	46.97	45.91	W	51.03	-	45.69	50.01	49.11	43.63
March	W	46.05	42.10	W	48.54	-	42.47	47.78	46.83	41.73
April	W	46.76	44.32	W	50.00	W	43.71	48.93	47.16	41.46
May	W	44.70	44.85	W	47.95	-	42.27	47.14	46.08	42.66
June	W	41.30	41.86	48.88	45.41	-	39.16	44.45	43.52	40.28
July	W	44.44	44.33	50.26	46.94	-	41.72	45.95	45.40	40.39
August	W	47.16	46.33	52.18	49.33	-	45.41	48.06	48.32	41.38
September	-	W	48.06	W	53.41	-	49.22	51.74	52.36	43.26
October	-	52.69	49.01	58.58	55.44	-	52.51	50.92	53.93	44.21
November	-	W	54.66	W	60.22	W	55.88	59.12	58.89	48.57
December	-	W	55.32	W	62.09	-	58.27	60.36	61.52	49.87
2017	W	48.34	46.66	54.77	51.30	W	45.60	50.16	49.55	43.30
2018										
January	W	61.24	58.75	W	65.03	W	62.07	63.50	64.12	51.34
February	W	59.66	56.74	W	63.19	W	55.72	61.90	61.07	49.79
March	-	W	56.73	W	65.04	W	56.84	61.90	60.90	49.09
April	W	65.95	57.68	W	68.33	W	63.17	66.05	66.09	53.73
May	-	W	63.32	W	70.57	W	66.56	69.66	70.07	58.99
June	W	W	64.46	W	71.32	W	64.82	70.18	69.44	59.81
July	W	68.32	66.21	-	70.62	-	62.93	70.30	67.64	59.84
August	W	67.29	63.08	W	70.91	W	63.09	69.96	68.31	57.46
September	W	W	68.15	W	72.90	W	68.94	72.05	71.80	56.39
October	W	W	R73.93	W	R74.73	W	68.44	R74.61	R73.26	R54.31
November	-	64.87	R63.95	W	R63.21	W	R53.70	R64.75	R61.27	R36.02
December	-	50.04	52.98	-	58.24	-	48.60	54.64	53.02	25.13
2018	74.44	62.51	63.04	71.47	68.94	71.65	61.86	66.96	66.06	51.72

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary.

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

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

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

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

Year month	Selected countries								Persian Gulf[a]	Total OPEC[b]	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1997	20.24	17.63	19.71	17.30	20.64	17.52	20.64	16.35	17.44	17.73	18.45
1998	13.37	11.62	13.26	11.04	14.14	11.16	13.55	10.16	11.18	11.46	12.22
1999	18.37	17.54	18.09	16.12	17.63	17.48	18.26	15.58	17.37	16.94	17.51
2000	29.57	26.69	29.68	26.03	30.04	26.58	29.26	26.05	26.77	27.29	27.80
2001	25.13	20.72	25.88	19.37	26.55	20.98	25.32	19.81	20.73	21.52	22.17
2002	25.43	22.98	25.28	22.09	26.45	24.77	26.35	21.93	24.13	23.83	23.97
2003	30.14	26.76	30.55	25.48	31.07	27.50	30.62	25.70	27.54	27.70	27.68
2004	39.62	34.51	39.03	32.25	40.95	37.11	39.28	33.79	36.53	36.84	35.29
2005	54.31	44.73	53.42	43.47	57.55	50.31	55.28	47.87	49.68	51.36	47.31
2006	64.85	53.90	62.13	53.76	68.26	59.19	67.44	57.37	58.92	61.21	57.14
2007	71.27	60.38	70.91	62.31	78.01	70.78	72.47	66.13	69.83	71.14	63.96
2008	98.18	90.00	93.43	85.97	104.83	94.75	96.95	90.76	93.59	95.49	90.59
2009	61.32	57.60	58.50	57.35	68.01	62.14	63.87	57.78	62.15	61.90	58.58
2010	80.61	72.80	74.25	72.86	83.14	79.29	80.29	72.43	78.60	78.28	74.68
2011	114.05	89.92	102.57	101.21	116.43	108.83	118.45	100.14	108.01	107.84	98.64
2012	114.95	84.24	107.07	102.45	116.88	108.15	W	101.58	107.74	107.56	95.05
2013	110.81	84.41	103.00	99.06	112.87	102.60	111.23	99.34	102.53	102.98	91.99
2014	99.25	81.30	88.29	87.48	102.16	94.91	W	86.88	95.30	93.10	84.67
2015	51.73	41.99	49.53	45.51	54.70	49.78	W	42.87	49.43	47.44	44.09
2016	44.65	36.27	38.86	36.64	48.11	42.14	W	35.50	41.20	40.54	37.09
2017											
January	-	44.70	49.17	46.35	54.74	50.40	W	47.53	49.35	49.22	45.76
February	W	44.97	49.66	46.57	54.42	52.27	-	46.28	50.92	50.48	46.26
March	W	43.00	48.29	42.97	W	50.36	W	43.91	49.58	48.91	44.03
April	W	43.05	48.38	44.65	W	50.18	W	44.53	49.03	48.47	44.31
May	W	44.24	45.92	45.51	51.83	49.17	W	43.50	47.37	47.36	45.23
June	50.74	41.76	44.89	42.36	50.36	47.97	W	40.88	46.86	45.77	42.67
July	50.20	41.60	46.72	45.17	50.89	48.22	-	42.25	47.48	46.91	43.36
August	52.23	43.18	48.56	46.86	53.18	51.43	W	46.16	49.71	49.55	45.41
September	56.59	45.14	52.43	49.63	57.99	55.03	W	50.98	52.93	53.53	47.42
October	W	45.68	53.95	50.28	59.35	58.34	W	53.05	55.14	55.71	48.21
November	61.03	51.16	59.52	55.47	64.27	61.66	62.24	57.19	59.63	59.83	53.67
December	W	51.15	61.58	56.01	67.20	63.52	-	58.80	61.48	62.13	53.90
2017	54.17	44.93	50.60	47.73	56.48	52.56	56.11	47.02	51.42	51.26	46.67
2018											
January	66.55	51.20	63.25	59.85	69.15	64.81	W	62.79	63.94	64.83	54.64
February	W	48.23	62.55	57.37	69.60	65.30	68.19	55.98	63.21	62.93	52.91
March	70.27	47.01	63.59	56.99	70.59	66.77	W	57.72	63.72	63.56	51.07
April	W	52.22	66.34	58.62	W	69.44	73.82	63.51	67.09	66.99	56.36
May	W	58.19	70.63	64.03	79.38	71.28	W	67.45	70.85	71.50	61.72
June	76.28	58.57	70.64	65.38	W	72.17	72.88	65.81	71.49	70.65	62.95
July	75.55	58.99	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	72.79	72.41	64.12	71.58	70.44	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	R47.93	R73.27	R74.79	W	R73.75	W	R69.31	R72.24	R72.19	R57.35
November	-	R28.04	R69.02	R64.63	R68.03	R66.36	W	R55.82	R65.54	R63.52	R38.36
December	-	18.78	54.51	54.34	W	58.90	W	48.73	57.54	56.71	27.55
2018	73.42	48.48	67.07	63.73	72.13	69.41	73.51	62.70	67.63	67.33	54.41

- = 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 2017-present), Gabon (July 2016-present), Indonesia (1997-2008 and January 2016-November 2016), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

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

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	13.12	14.94	17.49	17.61	19.37	19.88	19.77
1998	7.00	8.95	10.77	11.73	12.91	13.12	12.92
1999	12.13	14.49	17.07	17.33	18.03	18.81	17.00
2000	21.81	23.75	26.49	27.09	28.77	29.55	29.89
2001	16.17	17.23	21.84	21.60	23.84	24.80	25.72
2002	18.78	20.51	23.48	24.20	24.92	25.20	25.16
2003	21.88	24.09	25.65	27.49	28.67	29.35	28.64
2004	28.95	30.53	33.65	35.57	38.51	39.90	39.26
2005	40.54	41.52	49.26	50.82	54.65	56.47	52.83
2006	50.19	51.62	58.25	60.27	64.36	66.43	64.85
2007	56.69	60.14	69.31	71.44	73.46	74.27	70.10
2008	81.25	83.07	96.68	94.56	98.17	102.32	100.20
2009	54.76	54.36	56.30	59.78	63.63	62.10	63.32
2010	69.51	69.72	76.73	77.48	79.45	79.43	81.04
2011	94.66	94.15	103.09	107.24	111.37	114.28	112.74
2012	96.07	94.35	104.28	103.99	106.59	110.99	119.48
2013	93.91	91.27	100.20	101.44	104.26	108.78	103.41
2014	82.40	80.16	92.53	93.77	94.26	99.49	W
2015	40.07	38.33	47.33	47.85	49.98	54.59	W
2016	34.05	32.66	38.81	40.61	42.86	48.63	46.94
2017							
January	44.96	41.08	47.97	50.43	50.01	-	W
February	44.33	42.25	48.44	50.86	50.29	51.84	W
March	41.90	39.38	47.25	49.76	50.83	52.79	W
April	42.29	40.12	45.56	49.43	48.69	49.92	W
May	41.78	40.50	45.29	49.71	48.59	51.24	50.00
June	38.25	38.65	43.53	46.21	46.53	45.83	W
July	39.97	39.42	45.14	45.78	46.32	48.92	W
August	42.21	40.85	45.53	48.82	47.92	52.34	W
September	44.11	41.26	48.71	52.16	51.74	56.00	W
October	46.80	43.13	50.77	52.29	55.45	58.11	W
November	50.59	47.79	56.14	59.46	57.06	W	W
December	49.05	48.91	59.48	61.16	58.35	W	W
2017	43.78	41.82	48.78	51.08	50.31	54.70	54.12
2018							
January	57.20	49.82	56.18	62.44	60.12	66.11	W
February	53.01	46.68	54.95	62.04	57.83	65.11	W
March	53.41	45.84	57.90	61.95	60.18	69.20	W
April	57.32	51.45	65.73	66.67	64.74	71.91	W
May	62.76	55.69	65.41	69.28	70.82	W	W
June	61.21	57.70	63.29	69.09	69.54	75.58	W
July	59.86	58.01	68.71	69.06	67.39	72.74	W
August	60.39	54.39	67.31	69.23	67.01	71.14	W
September	58.92	54.06	72.13	72.46	68.33	W	W
October	R59.97	R55.45	71.51	R67.46	R59.12	W	W
November	R46.99	R35.80	R49.05	R53.36	R36.88	R66.22	W
December	44.35	23.70	30.83	46.62	21.20	W	-
2018	56.69	49.84	62.50	64.71	59.53	70.85	W

-- No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

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

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	14.42	15.79	18.57	18.42	20.34	21.09	20.85
1998	8.19	9.73	11.81	12.31	13.73	14.40	14.38
1999	13.40	15.30	17.33	17.81	18.18	19.22	18.48
2000	23.49	24.71	27.60	27.91	29.99	30.37	31.10
2001	17.66	18.14	23.29	22.21	24.86	26.59	26.49
2002	20.59	21.33	24.40	24.91	25.73	26.49	25.96
2003	23.87	25.15	27.78	28.78	29.95	30.73	30.90
2004	30.96	31.92	35.99	37.94	39.82	41.25	41.59
2005	42.20	42.24	49.94	52.18	54.95	58.38	56.43
2006	51.84	52.62	59.38	61.88	64.80	68.44	66.78
2007	59.01	60.64	68.95	72.03	73.17	75.68	73.57
2008	85.39	84.76	97.30	96.83	99.90	103.68	99.23
2009	56.38	55.68	61.28	62.43	64.80	64.82	63.90
2010	71.54	71.07	78.35	79.64	81.25	81.09	82.17
2011	96.89	93.32	106.06	108.76	110.93	115.40	113.24
2012	97.49	91.32	105.92	107.23	107.27	112.70	115.67
2013	95.87	88.35	101.63	102.97	104.39	110.66	105.88
2014	85.31	81.44	93.64	95.20	94.50	100.17	100.25
2015	43.20	41.14	49.58	50.16	50.78	54.54	51.70
2016	35.85	34.78	41.73	42.14	44.49	48.15	48.93
2017							
January	46.52	43.27	49.62	51.69	51.39	W	W
February	46.12	44.24	50.49	52.71	52.73	55.13	W
March	44.21	41.81	48.25	51.10	51.65	53.80	53.72
April	44.28	42.59	48.59	50.09	50.76	51.84	W
May	43.89	43.00	46.79	50.28	51.27	53.66	51.87
June	41.20	41.00	46.56	48.38	48.71	48.07	49.17
July	41.85	42.09	47.78	48.09	48.15	49.96	50.85
August	44.66	43.88	50.02	51.01	50.88	53.53	52.58
September	47.52	45.72	52.08	54.60	52.54	56.15	W
October	49.69	46.93	54.88	56.69	55.55	59.03	58.12
November	54.62	51.78	59.98	61.24	58.86	64.22	65.83
December	54.38	51.81	61.38	62.87	61.80	64.66	W
2017	46.51	44.75	51.46	53.12	52.48	55.74	55.70
2018							
January	58.31	52.94	62.54	64.22	61.62	68.53	69.67
February	54.33	49.87	61.17	64.20	65.10	66.15	68.83
March	54.30	48.32	61.15	65.40	62.69	67.41	W
April	59.86	52.58	65.46	69.52	68.10	70.77	W
May	65.28	58.51	70.58	71.21	72.86	75.40	W
June	64.58	60.28	67.84	71.14	69.85	76.54	W
July	62.24	60.25	69.86	72.16	69.74	74.18	76.47
August	61.93	57.72	67.62	71.73	69.54	72.53	W
September	62.05	56.28	69.02	72.70	70.87	75.57	W
October	R63.79	R54.93	R66.37	R69.02	R63.34	77.21	W
November	R47.45	R35.93	R56.67	R58.83	R45.98	R68.42	W
December	45.55	23.12	51.06	49.99	36.52	65.68	W
2018	59.20	51.46	64.69	66.95	63.18	71.72	72.37

-- No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

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

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1997	6.05	21.88	13.33	34.43	21.28	1.77	1.27
1998	5.84	20.29	13.99	35.62	20.81	1.88	1.57
1999	4.76	17.78	14.18	36.54	21.46	3.72	1.57
2000	6.21	18.88	13.41	36.90	19.83	3.44	1.35
2001	7.97	20.78	11.60	36.10	19.63	2.71	1.21
2002	8.28	22.29	11.44	35.28	18.29	2.67	1.75
2003	8.29	24.25	9.97	35.60	17.19	2.70	1.99
2004	11.13	23.70	8.18	34.57	17.68	2.10	2.64
2005	11.94	22.83	10.20	31.87	16.92	3.68	2.55
2006	13.04	23.28	11.18	28.22	15.73	5.82	2.74
2007	11.72	23.12	11.18	28.86	16.71	5.57	2.84
2008	13.22	23.50	11.51	30.42	14.64	4.24	2.47
2009	14.08	26.11	7.78	29.74	13.76	5.65	2.88
2010	15.13	26.01	5.35	30.73	14.35	5.57	2.86
2011	17.20	27.47	6.02	30.64	13.42	3.58	1.68
2012	16.66	29.77	8.41	28.31	12.84	3.36	0.65
2013	16.20	33.87	8.74	29.98	9.67	1.28	0.27
2014	18.49	36.73	9.78	26.96	7.19	0.75	0.11
2015	19.51	38.05	8.63	26.17	7.15	0.43	0.06
2016	16.70	38.88	8.43	24.92	8.42	1.43	1.22
2017							
January	16.05	43.19	8.84	23.07	8.10	W	W
February	14.94	42.19	8.04	23.23	7.71	W	W
March	15.78	39.44	8.08	26.54	5.99	1.25	2.92
April	15.21	43.07	7.54	21.93	9.02	W	W
May	17.09	38.96	11.04	20.33	8.31	1.85	2.42
June	18.76	41.44	9.14	19.98	7.01	1.40	2.27
July	17.96	36.93	13.79	19.68	7.08	2.19	2.38
August	19.77	39.42	9.53	18.00	8.56	2.31	2.41
September	19.59	35.45	8.96	23.72	7.29	W	W
October	21.94	39.17	11.64	16.25	7.43	1.85	1.72
November	19.54	39.06	10.21	21.74	6.24	1.26	1.94
December	14.54	41.58	11.58	21.30	5.52	W	W
2017	17.58	39.99	9.88	21.31	7.37	1.93	1.95
2018							
January	13.96	45.67	8.34	21.97	5.41	2.29	2.37
February	14.75	41.07	10.72	22.98	5.71	2.81	1.95
March	14.87	40.44	11.29	24.42	4.69	W	W
April	15.21	42.07	8.02	24.60	5.56	W	W
May	15.55	42.03	11.03	19.69	8.98	W	W
June	19.56	39.42	9.38	21.30	5.31	W	W
July	17.27	39.84	10.16	23.01	5.58	3.37	0.77
August	16.62	39.10	10.62	22.76	7.66	W	W
September	19.27	40.28	9.66	21.96	6.09	W	W
October	R20.23	R41.43	R12.08	R17.74	R5.37	W	W
November	R17.15	R39.16	R9.12	R21.12	R9.13	W	W
December	11.93	44.71	8.44	24.70	7.03	W	W
2018	16.41	41.24	9.91	22.19	6.34	2.52	1.39

-- No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

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

dollars per barrel

Year quarter month	Canadian Lloydminster	Iraqi Basrah Light	Mexican Mayan	Nigerian Qua Iboe	Venezuelan Merey
2005	35.13	-	40.69	-	-
2006	44.55	-	51.29	-	-
2007	48.54	-	59.96	-	-
2008	79.33	-	82.99	-	-
2009	50.11	62.98	55.07	65.60	59.89
2010	64.41	74.36	70.36	82.66	70.26
2011	78.41	104.51	98.27	115.82	98.73
2012	77.01	103.17	99.81	115.85	102.04
2013	75.61	99.28	96.87	W	99.26
2014	75.42	92.96	85.83	W	89.86
2015	W	47.59	43.49	W	43.82
2016	-	36.73	36.39	W	37.72
2017					
January	-	46.71	45.74	W	45.80
February	W	W	45.88	W	45.95
March	-	46.99	42.30	W	W
1st quarter average	W	47.09	44.76	W	44.72
April	-	W	44.54	W	W
May	-	W	44.98	W	W
June	-	W	42.07	W	W
2nd quarter average	-	44.27	43.74	W	44.88
July	-	W	44.33	W	W
August	-	W	46.40	-	W
September	-	W	48.11	W	-
3rd quarter average	-	W	45.93	W	W
October	-	W	49.01	-	W
November	-	W	54.73	-	W
December	-	W	55.32	W	-
4th quarter average	-	55.65	53.28	W	52.71
2017	W	49.10	46.82	W	45.62
2018					
January	-	W	59.05	-	W
February	-	W	56.82	-	-
March	-	59.95	56.98	-	-
1st quarter average	-	60.11	57.49	-	W
April	-	64.98	57.87	-	W
May	-	68.23	63.55	-	-
June	-	W	64.61	-	-
2nd quarter average	-	66.48	62.28	-	W
July	-	W	66.35	-	W
August	-	W	63.27	-	W
September	-	W	68.34	-	W
3rd quarter average	-	68.98	66.00	-	W
October	-	-	R74.44	-	W
November	-	W	R64.88	-	-
December	-	W	52.99	-	-
4th quarter average	-	W	68.34	-	W
2018	-	63.33	63.31	-	W

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Effective January 2009, selected crude streams were discontinued and new crude streams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2017 are final.

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

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

dollars per barrel

Year quarter month	Algerian Saharan Blend	Brazilian Marlim	Canadian Bow River Heavy	Canadian Light Sour Blend	Canadian Lloydminster
2005	-	-	39.22	-	37.59
2006	-	-	48.38	-	46.96
2007	-	-	52.36	-	50.94
2008	-	-	84.29	-	82.50
2009	65.95	58.94	55.71	59.12	53.44
2010	81.78	76.63	68.92	76.56	68.13
2011	115.82	107.13	82.02	96.52	82.24
2012	114.02	114.32	77.19	87.82	81.33
2013	113.45	108.43	76.88	90.59	79.34
2014	-	93.08	76.90	85.10	81.87
2015	W	47.77	38.90	47.18	38.51
2016	49.82	W	33.43	40.04	W
2017					
January	-	-	41.70	48.94	W
February	W	-	43.43	50.94	W
March	W	W	39.96	47.85	-
1st quarter average	W	W	41.57	48.98	W
April	W	W	40.36	48.77	-
May	53.31	-	42.47	48.62	-
June	W	-	40.38	45.23	-
2nd quarter average	51.76	W	41.10	47.52	-
July	W	W	41.14	45.27	-
August	W	W	42.45	47.44	-
September	W	-	44.26	48.17	W
3rd quarter average	W	W	42.63	47.07	W
October	-	-	44.60	51.49	W
November	W	-	50.88	57.58	W
December	64.88	-	49.51	57.99	-
4th quarter average	65.06	-	47.66	56.11	W
2017	54.96	50.40	43.02	50.08	42.28
2018					
January	70.13	-	45.68	57.22	W
February	W	W	38.64	60.89	W
March	W	W	39.89	59.46	-
1st quarter average	68.55	W	41.88	58.42	W
April	W	-	43.61	63.00	W
May	W	-	53.66	65.07	W
June	W	-	55.69	61.96	-
2nd quarter average	75.40	-	51.89	63.32	W
July	73.97	-	56.25	67.99	-
August	74.53	-	52.40	65.31	-
September	W	-	45.23	62.05	-
3rd quarter average	74.55	-	51.15	64.81	-
October	W	-	44.12	59.11	-
November	W	-	18.37	45.37	-
December	W	-	10.44	31.68	W
4th quarter average	70.74	-	26.37	43.19	W
2018	72.51	W	43.08	57.93	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	58.22	-
April	68.05	63.50	65.78	58.58	-
May	73.52	W	69.98	64.17	-
June	71.04	66.83	69.31	65.46	-
2nd quarter average	70.28	65.56	68.13	63.22	-
July	74.01	68.84	70.02	66.89	-
August	70.12	66.98	68.65	64.21	-
September	W	68.28	72.38	69.88	-
3rd quarter average	72.42	68.12	70.26	66.80	-
October	77.96	R69.48	R61.55	R75.25	-
November	67.51	R61.44	64.72	R65.16	-
December	56.05	53.47	56.89	54.47	-
4th quarter average	64.00	60.95	61.19	67.58	-
2018	67.90	64.93	65.58	63.88	-

See footnotes at end of table.

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

dollars per barrel

Year quarter month	Nigerian Qua Iboe	Saudi Arabian Light	Saudi Arabian Medium	Saudi Arabian Berri	Venezuelan Merey
2005	-	52.92	48.92	-	-
2006	-	60.51	58.10	-	-
2007	-	71.62	70.09	-	-
2008	-	94.38	91.46	-	-
2009	68.26	63.10	61.87	59.72	60.15
2010	84.44	79.65	78.13	81.14	71.59
2011	117.02	109.43	107.12	110.77	100.36
2012	116.48	108.93	106.83	110.03	103.28
2013	112.47	103.44	101.44	107.00	100.69
2014	W	96.83	94.47	96.68	91.73
2015	W	50.00	48.66	52.83	45.77
2016	W	41.25	41.62	45.62	38.97
2017					
January	W	51.78	49.33	51.41	47.49
February	W	52.91	50.81	53.95	47.09
March	W	50.62	49.73	51.23	43.92
1st quarter average	W	51.58	49.90	52.17	46.25
April	W	50.42	49.05	51.78	46.49
May	W	48.91	48.31	51.28	W
June	W	47.76	47.55	50.19	43.21
2nd quarter average	W	49.17	48.28	51.22	45.96
July	W	48.58	47.13	W	W
August	-	W	50.62	W	W
September	W	55.51	54.39	W	W
3rd quarter average	W	52.15	50.96	W	W
October	-	W	58.14	W	W
November	-	62.41	60.95	W	W
December	W	63.85	61.88	66.30	W
4th quarter average	W	62.24	60.12	64.36	53.18
2017	W	53.27	51.60	52.68	47.38
2018					
January	W	65.72	62.32	W	W
February	W	65.47	64.58	66.71	W
March	-	66.73	66.64	W	W
1st quarter average	W	65.98	64.62	67.76	W
April	W	69.16	70.16	69.08	W
May	-	71.59	70.47	W	W
June	-	72.30	71.03	74.50	-
2nd quarter average	W	70.95	70.51	72.38	64.47
July	-	72.63	71.91	74.41	W
August	-	73.60	72.14	73.88	W
September	-	72.45	71.44	75.91	W
3rd quarter average	-	72.83	71.89	74.65	W
October	-	R75.50	R69.25	R77.42	W
November	-	R64.67	R66.17	R72.08	W
December	-	58.11	58.86	61.34	-
4th quarter average	-	66.76	65.93	70.65	64.43
2018	W	69.32	68.81	71.79	63.24

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R = Revised data.

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

Prices of Petroleum Products

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state
dollars per gallon excluding taxes

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
United States												
December 2018	1.881	1.632	1.465	2.300	2.018	1.673	2.534	NA	1.826	1.977	1.656	1.509
November 2018	2.117	1.885	1.688	2.534	2.250	1.899	2.764	NA	2.062	2.210	1.908	1.732
December 2017	1.964	1.833	1.683	2.258	1.990	1.844	2.474	NA	1.990	2.036	1.851	1.720
PAD District 1												
December 2018	1.811	W	1.412	2.076	W	1.561	2.293	W	1.737	1.881	W	1.450
November 2018	2.030	W	1.597	2.298	W	1.765	2.515	W	1.937	2.100	W	1.637
December 2017	1.864	NA	1.668	2.122	W	1.826	2.331	W	1.978	1.930	NA	1.706
Subdistrict 1A												
December 2018	W	W	1.475	W	-	1.629	W	-	1.721	W	W	1.508
November 2018	W	W	1.648	W	-	1.814	W	-	1.904	W	W	1.681
December 2017	W	W	1.695	W	-	1.790	W	-	1.963	W	W	1.731
Connecticut												
December 2018	-	W	1.467	-	-	1.604	-	-	1.746	-	W	1.509
November 2018	-	W	1.638	-	-	1.782	-	-	1.933	-	W	1.679
December 2017	-	W	1.697	-	-	1.798	-	-	2.005	-	W	1.747
Maine												
December 2018	-	-	1.554	-	-	W	-	-	1.857	-	-	1.575
November 2018	-	-	1.729	-	-	W	-	-	W	-	-	1.749
December 2017	-	-	1.734	-	-	W	-	-	2.023	-	-	1.754
Massachusetts												
December 2018	W	-	1.457	W	-	1.531	W	-	1.650	W	-	1.482
November 2018	W	-	1.632	W	-	1.694	W	-	1.836	W	-	1.659
December 2017	W	-	1.688	W	-	1.794	W	-	1.898	W	-	1.717
New Hampshire												
December 2018	W	-	W	W	-	-	W	-	W	W	-	W
November 2018	W	-	W	W	-	-	W	-	W	W	-	W
December 2017	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
December 2018	W	-	1.470	W	-	1.555	W	-	W	W	-	1.502
November 2018	W	-	1.648	W	-	1.725	W	-	1.884	W	-	1.680
December 2017	W	-	1.673	W	-	W	W	-	W	W	-	1.704
Vermont												
December 2018	-	-	1.482	-	-	W	-	-	1.775	-	-	W
November 2018	-	-	W	-	-	W	-	-	1.952	-	-	W
December 2017	-	-	1.692	-	-	W	-	-	1.973	-	-	W
Subdistrict 1B												
December 2018	1.885	-	1.435	2.122	-	1.533	2.316	-	1.710	1.959	-	1.469
November 2018	2.087	-	1.619	2.321	-	1.748	2.519	-	1.908	2.160	-	1.655
December 2017	1.900	-	1.680	2.137	-	1.780	2.324	-	1.908	1.974	-	1.710
Delaware												
December 2018	W	-	1.445	W	-	1.571	W	-	1.638	W	-	1.466
November 2018	W	-	1.620	W	-	1.773	W	-	1.833	W	-	1.642
December 2017	W	-	1.723	W	-	1.790	W	-	1.914	W	-	1.742
District of Columbia												
December 2018	-	-	-	-	-	-	-	-	-	-	-	-
November 2018	-	-	-	-	-	-	-	-	-	-	-	-
December 2017	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
December 2018	-	-	1.404	-	-	1.468	-	-	1.620	-	-	1.436
November 2018	-	-	1.578	-	-	1.663	-	-	1.823	-	-	1.613
December 2017	-	-	1.668	-	-	1.737	-	-	1.904	-	-	1.701
New Jersey												
December 2018	W	-	1.422	W	-	1.530	W	-	1.651	W	-	1.450
November 2018	W	-	1.606	W	-	1.741	W	-	1.850	W	-	1.634
December 2017	W	-	1.676	W	-	1.787	W	-	1.874	W	-	1.701
New York												
December 2018	1.960	-	1.508	2.193	-	1.747	2.385	-	1.850	2.034	-	1.564
November 2018	2.146	-	1.687	2.368	-	2.007	2.565	-	2.033	2.219	-	1.744
December 2017	1.930	-	1.695	2.151	-	1.930	2.339	-	1.984	2.004	-	1.741
Pennsylvania												
December 2018	W	-	1.407	W	-	1.544	W	-	1.661	W	-	1.427
November 2018	W	-	1.593	W	-	1.743	W	-	1.864	W	-	1.617
December 2017	W	-	1.674	W	-	1.767	W	-	1.855	W	-	1.693

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												
December 2018	W	W	1.389	W	W	1.563	W	W	1.758	W	W	1.431
November 2018	W	W	1.577	W	W	1.766	W	W	1.961	W	W	1.621
December 2017	W	W	1.657	W	W	1.842	W	W	2.034	W	W	1.700
Florida												
December 2018	W	1.429	1.414	W	-	1.603	W	W	1.801	W	1.432	1.463
November 2018	W	1.622	1.607	W	-	1.817	W	W	2.004	W	1.628	1.657
December 2017	W	W	1.689	W	-	1.913	W	W	2.072	W	W	1.739
Georgia												
December 2018	W	W	1.372	W	-	1.532	W	-	1.770	W	W	1.416
November 2018	W	W	1.559	W	-	1.719	W	-	1.971	W	W	1.605
December 2017	W	W	1.630	W	-	1.796	W	-	2.046	W	W	1.676
North Carolina												
December 2018	W	W	1.370	W	-	1.570	W	W	1.736	W	W	1.410
November 2018	W	W	1.553	W	-	1.760	W	W	1.939	W	W	1.595
December 2017	W	-	1.635	W	-	1.838	W	-	2.021	W	-	1.676
South Carolina												
December 2018	W	W	1.367	W	W	1.574	W	W	1.740	W	W	1.402
November 2018	W	W	1.560	W	W	1.796	W	W	1.951	W	W	1.596
December 2017	W	W	1.640	W	W	1.872	W	W	2.027	W	W	1.676
Virginia												
December 2018	-	-	1.394	-	-	1.509	-	-	1.682	-	-	1.430
November 2018	-	-	1.580	-	-	1.705	-	-	1.888	-	-	1.618
December 2017	W	-	1.663	W	-	1.774	W	-	1.948	W	-	1.697
West Virginia												
December 2018	W	W	1.398	W	-	1.572	W	-	1.803	W	W	1.419
November 2018	W	W	1.591	W	-	1.808	W	-	1.988	W	W	1.610
December 2017	W	-	1.652	W	-	1.827	W	-	2.104	W	-	1.675
PAD District 2												
December 2018	W	1.547	1.345	W	W	1.488	W	1.736	1.660	W	1.558	1.371
November 2018	W	1.903	1.595	W	W	1.742	W	2.037	1.940	W	1.917	1.622
December 2017	W	1.861	1.645	2.153	W	1.769	W	NA	1.984	W	1.870	1.673
Illinois												
December 2018	W	1.651	1.337	W	-	1.490	W	W	1.700	W	1.663	1.373
November 2018	W	1.902	1.594	W	-	1.748	W	-	1.959	W	1.902	1.630
December 2017	W	1.938	1.675	W	-	1.830	W	-	2.054	W	1.938	1.712
Indiana												
December 2018	W	W	1.313	W	-	1.518	W	-	1.696	W	W	1.338
November 2018	W	W	1.574	W	-	1.767	W	-	1.975	W	W	1.600
December 2017	W	W	1.644	W	-	1.853	W	-	2.064	W	W	1.672
Iowa												
December 2018	-	W	1.378	-	-	1.467	-	-	1.588	-	W	1.399
November 2018	-	W	1.613	-	-	1.734	-	-	1.914	-	W	1.639
December 2017	-	W	1.630	-	-	1.716	-	-	1.864	-	W	1.653
Kansas												
December 2018	W	W	1.347	W	W	1.437	-	-	1.514	W	W	1.361
November 2018	W	W	1.578	W	W	1.695	-	-	1.803	W	W	1.596
December 2017	W	W	1.591	W	W	1.692	-	-	1.765	W	W	1.603
Kentucky												
December 2018	W	W	1.399	W	-	1.563	W	-	1.773	W	W	1.420
November 2018	W	W	1.612	W	-	1.788	W	W	2.008	W	W	1.635
December 2017	W	W	1.681	W	-	1.853	W	-	2.074	W	W	1.704
Michigan												
December 2018	W	W	1.316	W	-	1.481	W	W	1.774	W	W	1.342
November 2018	W	W	1.606	W	-	1.892	W	W	2.072	W	W	1.633
December 2017	W	W	1.680	W	-	1.878	W	W	2.181	W	W	1.708
Minnesota												
December 2018	1.772	W	1.379	2.021	W	1.464	W	W	1.532	1.819	W	1.395
November 2018	2.094	W	1.625	2.317	W	1.715	2.565	W	1.824	2.139	W	1.643
December 2017	W	W	1.626	W	W	1.683	W	W	1.805	W	W	1.644
Missouri												
December 2018	-	W	1.377	-	-	1.479	-	-	1.630	-	W	1.395
November 2018	-	W	1.605	-	-	1.755	-	-	1.906	-	W	1.627
December 2017	-	W	1.644	-	-	1.742	-	-	1.985	-	W	1.664

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													
December 2018	W	W	1.381	W	-	1.514	-	-	1.596	W	W	1.403	
November 2018	W	W	1.621	W	-	1.751	-	-	1.923	W	W	1.651	
December 2017	W	W	1.630	W	-	1.772	-	-	1.892	W	W	1.655	
North Dakota													
December 2018	W	W	1.366	W	W	1.501	W	W	1.681	W	W	1.396	
November 2018	W	W	1.605	W	W	1.733	W	W	1.983	W	W	1.639	
December 2017	W	W	1.638	W	W	1.749	W	W	1.951	W	W	1.666	
Ohio													
December 2018	W	W	1.324	W	-	1.556	W	W	1.726	W	W	1.351	
November 2018	W	W	1.601	W	-	1.834	W	W	2.027	W	W	1.630	
December 2017	W	W	1.639	W	-	1.866	W	W	2.099	W	W	1.672	
Oklahoma													
December 2018	W	W	1.350	W	-	1.459	W	-	1.526	W	W	1.373	
November 2018	W	W	1.597	W	-	1.744	W	-	1.813	W	W	1.621	
December 2017	W	W	1.628	W	-	1.756	W	-	1.810	W	W	1.652	
South Dakota													
December 2018	1.857	W	1.369	2.029	W	1.447	W	W	1.629	1.949	W	1.392	
November 2018	W	W	1.684	W	W	1.775	W	W	1.993	W	W	1.711	
December 2017	W	W	1.583	W	W	1.666	W	W	1.880	W	W	1.607	
Tennessee													
December 2018	W	W	1.355	W	-	1.496	W	W	1.683	W	W	1.384	
November 2018	W	W	1.546	W	-	1.684	W	W	1.892	W	W	1.575	
December 2017	W	W	1.628	W	-	1.788	W	W	1.974	W	W	1.658	
Wisconsin													
December 2018	W	W	1.341	W	-	1.477	W	W	1.755	W	W	1.371	
November 2018	W	W	1.598	W	-	1.740	W	W	2.033	W	W	1.628	
December 2017	W	W	1.649	W	-	1.775	W	W	2.019	W	W	1.676	
PAD District 3													
December 2018	1.757	1.487	1.377	2.034	W	1.507	2.257	1.921	1.616	1.820	1.561	1.401	
November 2018	2.105	1.785	1.583	2.368	W	1.710	2.604	2.092	1.844	2.166	1.835	1.609	
December 2017	NA	1.670	1.654	2.179	W	1.766	W	W	1.891	2.022	1.688	1.677	
Alabama													
December 2018	-	W	1.359	-	-	1.565	-	W	1.767	-	W	1.394	
November 2018	-	W	1.547	-	-	1.768	-	W	1.973	-	W	1.583	
December 2017	-	W	1.633	-	-	1.837	-	W	2.061	-	W	1.670	
Arkansas													
December 2018	-	-	1.368	-	-	1.549	-	-	1.616	-	-	1.392	
November 2018	-	-	1.593	-	-	1.771	-	-	1.872	-	-	1.617	
December 2017	-	-	1.636	-	-	1.790	-	-	1.929	-	-	1.659	
Louisiana													
December 2018	-	W	1.363	-	-	1.490	-	-	1.556	-	W	1.380	
November 2018	-	W	1.591	-	-	1.690	-	-	1.810	-	W	1.613	
December 2017	-	W	1.666	-	-	1.780	-	-	1.849	-	W	1.690	
Mississippi													
December 2018	-	-	1.392	-	-	1.500	-	-	1.728	-	-	1.416	
November 2018	-	-	1.580	-	-	1.715	-	-	1.946	-	-	1.603	
December 2017	-	-	1.675	-	-	1.788	-	-	2.047	-	-	1.694	
New Mexico													
December 2018	1.850	W	1.446	2.094	-	1.573	W	W	1.767	1.918	W	1.486	
November 2018	2.124	W	1.716	2.380	-	1.851	W	W	2.057	2.194	W	1.758	
December 2017	1.974	W	1.622	W	W	1.707	2.325	W	1.959	2.025	W	1.663	
Texas													
December 2018	W	W	1.378	W	W	1.488	W	W	1.597	W	W	1.401	
November 2018	W	W	1.581	W	W	1.684	W	-	1.818	W	W	1.604	
December 2017	W	W	1.654	W	W	1.750	W	-	1.871	W	W	1.675	

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												
December 2018	W	1.793	1.475	W	W	1.727	2.540	W	1.820	W	1.910	1.540
November 2018	W	2.127	1.904	W	W	2.185	2.829	W	2.258	W	2.206	1.968
December 2017	W	1.818	1.626	2.254	W	1.794	2.532	W	1.938	W	1.881	1.683
Colorado												
December 2018	W	1.852	1.317	2.219	W	1.498	W	W	1.702	2.079	1.968	1.387
November 2018	W	2.136	1.756	2.548	W	1.997	W	W	2.156	2.401	2.201	1.828
December 2017	W	W	1.657	2.287	W	1.772	W	W	2.021	2.152	2.013	1.720
Idaho												
December 2018	W	W	1.610	W	W	NA	W	W	1.848	W	W	1.646
November 2018	W	W	2.065	W	W	NA	W	W	2.310	W	W	2.101
December 2017	W	W	1.667	W	-	1.811	W	W	1.902	W	W	1.703
Montana												
December 2018	W	W	1.444	W	W	W	W	W	1.899	W	W	1.516
November 2018	W	W	1.775	W	W	W	W	W	2.242	W	W	1.845
December 2017	W	W	1.747	W	W	W	W	W	2.192	W	W	1.819
Utah												
December 2018	W	W	1.732	W	W	2.022	W	-	1.966	W	W	1.789
November 2018	W	W	2.139	W	W	2.460	W	-	2.377	W	W	2.194
December 2017	W	W	1.542	W	W	1.807	W	-	1.783	W	W	1.598
Wyoming												
December 2018	W	W	1.409	W	-	1.544	W	-	W	W	W	1.461
November 2018	W	W	1.894	W	-	2.034	W	-	W	W	W	1.950
December 2017	W	W	1.513	W	-	1.721	W	-	W	W	W	1.569
PAD District 5												
December 2018	2.529	2.102	1.865	2.746	NA	2.059	2.871	2.226	2.133	2.614	2.114	1.918
November 2018	2.764	2.317	2.076	2.979	2.526	2.270	3.109	2.492	2.342	2.847	2.334	2.127
December 2017	2.304	1.993	1.817	2.465	W	1.986	2.605	2.268	2.072	2.377	2.021	1.866
Alaska												
December 2018	W	W	W	W	-	W	W	W	2.210	W	W	W
November 2018	W	W	W	W	-	W	W	W	2.441	W	W	W
December 2017	W	W	W	W	-	W	W	W	2.344	W	W	W
Arizona												
December 2018	W	W	1.714	W	-	NA	W	W	1.954	W	W	1.744
November 2018	W	W	1.917	W	W	NA	W	W	2.185	W	W	1.951
December 2017	W	W	1.693	W	W	1.851	W	W	1.914	W	W	1.721
California												
December 2018	2.607	NA	1.960	2.788	W	2.072	2.904	-	2.190	2.688	NA	2.011
November 2018	2.849	NA	2.165	3.025	W	2.261	3.144	-	2.389	2.927	NA	2.213
December 2017	2.341	NA	1.868	2.491	W	1.986	2.608	-	2.109	2.414	NA	1.921
Hawaii												
December 2018	W	W	W	W	W	W	W	W	W	W	W	W
November 2018	W	W	W	W	W	W	W	W	W	W	W	W
December 2017	W	W	W	W	W	W	W	W	W	W	W	W
Nevada												
December 2018	W	W	1.864	W	-	NA	W	-	2.122	W	W	1.919
November 2018	W	W	2.073	W	-	NA	W	-	2.315	W	W	2.128
December 2017	W	W	1.693	W	-	1.856	W	-	1.911	W	W	1.741
Oregon												
December 2018	2.473	-	1.734	2.689	-	1.922	2.811	-	2.004	2.526	-	1.766
November 2018	2.691	-	1.937	2.895	-	2.125	3.012	-	2.215	2.741	-	1.967
December 2017	2.293	-	1.748	2.468	-	1.907	2.577	-	1.993	2.337	-	1.776
Washington												
December 2018	2.271	W	1.684	2.519	W	1.886	2.694	W	1.991	2.334	W	1.734
November 2018	2.559	W	1.948	2.794	W	2.153	2.956	W	2.256	2.618	W	1.998
December 2017	2.116	W	1.750	2.335	W	1.943	2.464	W	2.044	2.174	W	1.798

- = 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						
December 2018	W	2.463	1.852	1.812	W	1.954
November 2018	W	2.762	2.162	2.100	W	2.206
December 2017	W	2.691	1.869	1.846	W	2.034
PAD District 1						
December 2018	W	2.505	1.862	1.834	W	2.018
November 2018	W	2.780	2.155	2.115	W	2.349
December 2017	W	2.763	1.920	1.911	W	2.188
Subdistrict 1A						
December 2018	-	W	1.962	1.895	W	W
November 2018	W	W	2.220	2.127	W	W
December 2017	W	W	2.020	1.934	W	-
Connecticut						
December 2018	-	-	W	W	-	W
November 2018	-	-	W	W	-	W
December 2017	-	-	W	W	-	-
Maine						
December 2018	-	W	W	W	-	-
November 2018	W	W	W	W	-	-
December 2017	W	W	W	W	-	-
Massachusetts						
December 2018	-	-	W	1.886	W	-
November 2018	-	-	W	2.119	W	-
December 2017	-	-	1.986	1.930	W	-
New Hampshire						
December 2018	-	-	W	W	W	-
November 2018	-	-	W	W	W	-
December 2017	-	-	W	W	W	-
Rhode Island						
December 2018	-	-	W	W	W	-
November 2018	-	-	W	W	W	-
December 2017	-	-	W	W	W	-
Vermont						
December 2018	-	-	W	W	-	-
November 2018	-	-	W	W	-	-
December 2017	-	-	W	W	-	-
Subdistrict 1B						
December 2018	-	2.579	1.895	1.827	W	1.954
November 2018	-	2.847	2.197	2.111	W	2.285
December 2017	W	2.777	1.927	1.915	W	2.153
Delaware						
December 2018	-	-	-	-	W	-
November 2018	-	-	-	-	W	-
December 2017	-	-	-	-	W	-
District of Columbia						
December 2018	-	-	-	-	-	-
November 2018	-	-	-	-	-	-
December 2017	-	-	-	-	-	-
Maryland						
December 2018	-	-	W	1.822	-	W
November 2018	-	-	W	2.118	-	W
December 2017	-	-	W	W	-	W
New Jersey						
December 2018	-	W	1.859	1.835	W	W
November 2018	-	-	2.156	2.122	W	W
December 2017	-	W	1.924	1.907	W	2.095
New York						
December 2018	-	W	1.935	1.933	W	W
November 2018	-	W	2.241	2.223	W	W
December 2017	-	W	1.940	1.987	W	W
Pennsylvania						
December 2018	-	W	W	1.812	3.206	2.274
November 2018	-	W	W	2.019	W	W
December 2017	W	W	W	1.929	W	2.660

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						
December 2018	W	2.478	1.835	1.836	W	2.327
November 2018	W	2.752	2.110	2.118	W	2.509
December 2017	-	2.754	1.906	1.888	W	2.333
Florida						
December 2018	-	2.446	1.840	1.834	W	W
November 2018	-	2.728	2.099	2.107	W	-
December 2017	-	2.705	1.925	1.889	W	W
Georgia						
December 2018	W	W	W	1.843	-	W
November 2018	W	W	W	W	-	W
December 2017	-	W	W	1.863	-	W
North Carolina						
December 2018	-	W	W	1.851	W	2.312
November 2018	-	W	W	2.162	W	W
December 2017	-	W	W	1.904	W	W
South Carolina						
December 2018	-	-	W	1.844	W	W
November 2018	-	-	W	2.162	W	W
December 2017	-	-	W	1.874	W	W
Virginia						
December 2018	-	W	1.819	W	-	W
November 2018	-	W	2.128	W	-	W
December 2017	-	W	1.865	W	-	W
West Virginia						
December 2018	-	-	W	W	W	-
November 2018	-	-	W	W	W	-
December 2017	-	-	W	W	W	-
PAD District 2						
December 2018	W	2.449	1.816	1.775	W	2.284
November 2018	W	2.770	2.152	2.060	W	2.719
December 2017	W	2.693	1.874	1.876	W	2.605
Illinois						
December 2018	W	W	1.815	W	W	W
November 2018	W	W	2.228	W	W	W
December 2017	-	W	1.908	W	W	W
Indiana						
December 2018	-	-	1.772	1.737	W	2.635
November 2018	-	-	2.088	2.089	W	2.869
December 2017	-	-	1.835	1.870	W	2.767
Iowa						
December 2018	-	-	W	1.835	-	-
November 2018	-	-	W	2.129	-	W
December 2017	-	-	1.979	1.939	-	-
Kansas						
December 2018	W	W	W	W	-	W
November 2018	W	W	W	W	-	W
December 2017	W	W	NA	W	-	W
Kentucky						
December 2018	-	W	1.816	W	W	W
November 2018	-	W	2.108	W	W	W
December 2017	-	W	1.857	1.848	W	W
Michigan						
December 2018	W	-	W	1.760	W	W
November 2018	W	-	W	2.032	W	W
December 2017	W	-	1.907	1.847	W	W
Minnesota						
December 2018	-	W	W	1.758	W	W
November 2018	W	W	W	2.019	W	W
December 2017	W	W	W	W	W	W
Missouri						
December 2018	W	-	W	W	-	-
November 2018	W	-	W	W	-	-
December 2017	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						
December 2018	W	-	W	W	-	-
November 2018	W	-	W	W	-	-
December 2017	W	-	W	W	-	-
North Dakota						
December 2018	-	-	W	W	NA	W
November 2018	-	-	W	W	W	-
December 2017	-	-	W	W	-	-
Ohio						
December 2018	W	W	1.867	1.762	W	W
November 2018	W	W	2.169	2.041	W	W
December 2017	-	-	1.885	1.836	W	W
Oklahoma						
December 2018	W	-	W	1.823	-	W
November 2018	W	-	W	2.140	-	W
December 2017	W	-	W	1.908	-	W
South Dakota						
December 2018	-	-	W	-	-	-
November 2018	-	-	W	-	W	-
December 2017	-	-	W	-	-	-
Tennessee						
December 2018	W	W	W	1.829	W	W
November 2018	-	W	W	2.135	W	W
December 2017	W	W	W	1.865	W	W
Wisconsin						
December 2018	-	-	1.812	1.814	W	W
November 2018	-	-	2.248	W	W	W
December 2017	-	-	W	W	W	2.443
PAD District 3						
December 2018	W	2.284	1.806	1.778	-	1.836
November 2018	W	2.558	2.102	2.079	-	2.096
December 2017	W	W	1.867	1.804	-	1.859
Alabama						
December 2018	-	W	1.835	1.704	-	W
November 2018	-	W	2.140	2.073	-	W
December 2017	-	-	1.884	1.860	-	W
Arkansas						
December 2018	-	-	W	1.909	-	-
November 2018	W	-	W	2.229	-	-
December 2017	W	-	W	1.970	-	-
Louisiana						
December 2018	W	2.384	1.781	1.766	-	W
November 2018	-	2.611	2.129	2.063	-	W
December 2017	-	-	1.824	1.798	-	W
Mississippi						
December 2018	-	W	W	1.787	-	W
November 2018	-	W	NA	2.170	-	W
December 2017	-	W	1.831	1.813	-	W
New Mexico						
December 2018	W	-	W	W	-	-
November 2018	W	-	W	W	-	-
December 2017	W	-	W	W	-	-
Texas						
December 2018	W	W	1.819	1.783	-	2.109
November 2018	W	W	2.117	2.072	-	W
December 2017	W	W	1.882	1.805	-	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						
December 2018	W	W	1.924	1.892	W	-
November 2018	W	W	2.244	2.200	-	-
December 2017	W	W	1.915	1.901	W	-
Colorado						
December 2018	W	-	1.899	1.844	-	-
November 2018	W	-	2.201	2.156	-	-
December 2017	W	-	1.885	W	-	-
Idaho						
December 2018	-	-	W	2.083	W	-
November 2018	-	-	W	2.317	-	-
December 2017	-	-	W	1.992	W	-
Montana						
December 2018	W	W	W	W	-	-
November 2018	W	W	W	W	-	-
December 2017	-	W	W	W	-	-
Utah						
December 2018	W	W	1.921	2.002	-	-
November 2018	W	W	2.272	2.315	-	-
December 2017	W	W	1.894	1.880	-	-
Wyoming						
December 2018	-	-	W	W	-	-
November 2018	-	-	W	W	-	-
December 2017	-	-	W	W	-	-
PAD District 5						
December 2018	W	2.691	1.879	1.871	-	W
November 2018	W	2.995	2.193	2.150	-	W
December 2017	W	2.724	1.847	1.853	W	W
Alaska						
December 2018	W	-	W	W	-	-
November 2018	W	-	W	W	-	-
December 2017	W	W	W	W	-	-
Arizona						
December 2018	W	W	W	1.860	-	-
November 2018	W	W	2.237	2.262	-	-
December 2017	W	W	1.907	1.874	-	-
California						
December 2018	W	2.682	1.866	1.869	-	W
November 2018	W	2.995	2.171	2.137	-	W
December 2017	-	W	1.834	1.841	-	W
Hawaii						
December 2018	-	W	W	W	-	-
November 2018	-	W	W	W	-	-
December 2017	-	W	W	W	-	-
Nevada						
December 2018	-	-	W	W	-	-
November 2018	-	-	W	W	-	-
December 2017	-	-	W	W	-	-
Oregon						
December 2018	-	2.796	1.927	1.949	-	-
November 2018	-	3.056	2.248	W	-	-
December 2017	-	2.994	W	1.873	-	-
Washington						
December 2018	-	W	1.875	1.808	-	-
November 2018	-	W	2.200	2.102	-	-
December 2017	-	W	1.829	1.885	W	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 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						
December 2018	2.397	2.175	1.983	1.794	-	W
November 2018	2.719	2.449	2.284	2.128	-	W
December 2017	2.423	2.256	2.039	1.911	-	W
PAD District 1						
December 2018	-	2.050	2.143	1.825	-	-
November 2018	-	W	2.362	2.120	-	-
December 2017	-	W	2.103	1.926	-	-
Subdistrict 1A						
December 2018	-	-	W	1.846	-	-
November 2018	-	W	W	2.070	-	-
December 2017	-	-	W	1.982	-	-
Connecticut						
December 2018	-	-	W	1.827	-	-
November 2018	-	-	W	2.057	-	-
December 2017	-	-	W	2.004	-	-
Maine						
December 2018	-	-	-	W	-	-
November 2018	-	-	-	W	-	-
December 2017	-	-	-	W	-	-
Massachusetts						
December 2018	-	-	W	1.861	-	-
November 2018	-	-	W	2.096	-	-
December 2017	-	-	W	1.945	-	-
New Hampshire						
December 2018	-	-	W	W	-	-
November 2018	-	W	W	W	-	-
December 2017	-	-	W	W	-	-
Rhode Island						
December 2018	-	-	W	1.849	-	-
November 2018	-	-	W	NA	-	-
December 2017	-	-	W	1.974	-	-
Vermont						
December 2018	-	-	-	W	-	-
November 2018	-	-	-	W	-	-
December 2017	-	-	W	W	-	-
Subdistrict 1B						
December 2018	-	2.034	W	1.839	-	-
November 2018	-	W	W	2.152	-	-
December 2017	-	W	W	1.916	-	-
Delaware						
December 2018	-	-	W	W	-	-
November 2018	-	-	W	W	-	-
December 2017	-	-	W	W	-	-
District of Columbia						
December 2018	-	-	-	W	-	-
November 2018	-	-	-	W	-	-
December 2017	-	-	-	W	-	-
Maryland						
December 2018	-	-	W	1.819	-	-
November 2018	-	-	W	2.070	-	-
December 2017	-	-	-	1.919	-	-
New Jersey						
December 2018	-	W	2.159	1.840	-	-
November 2018	-	-	2.366	2.184	-	-
December 2017	-	-	2.108	1.897	-	-
New York						
December 2018	-	W	2.403	1.854	-	-
November 2018	-	W	2.563	2.154	-	-
December 2017	-	W	2.219	1.969	-	-
Pennsylvania						
December 2018	-	W	2.154	1.828	-	-
November 2018	-	W	2.360	2.107	-	-
December 2017	-	W	2.042	1.926	-	-

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						
December 2018	-	W	2.067	1.794	-	-
November 2018	-	W	2.313	2.079	-	-
December 2017	-	W	2.093	1.936	-	-
Florida						
December 2018	-	-	2.068	1.809	-	-
November 2018	-	-	2.311	2.094	-	-
December 2017	-	-	2.069	1.957	-	-
Georgia						
December 2018	-	W	1.804	1.777	-	-
November 2018	-	W	2.068	2.068	-	-
December 2017	-	W	1.920	1.916	-	-
North Carolina						
December 2018	-	-	2.148	1.792	-	-
November 2018	-	-	2.359	2.066	-	-
December 2017	-	-	2.125	1.919	-	-
South Carolina						
December 2018	-	-	2.295	1.785	-	-
November 2018	-	-	W	2.063	-	-
December 2017	-	-	W	1.925	-	-
Virginia						
December 2018	-	-	W	1.800	-	-
November 2018	-	-	W	2.078	-	-
December 2017	-	-	2.032	1.931	-	-
West Virginia						
December 2018	-	-	W	1.760	-	-
November 2018	-	-	W	2.121	-	-
December 2017	-	-	W	1.980	-	-
PAD District 2						
December 2018	2.586	2.201	1.932	1.737	-	-
November 2018	2.812	2.437	2.252	2.124	-	-
December 2017	2.433	2.259	2.027	1.936	-	W
Illinois						
December 2018	W	2.203	2.212	1.660	-	-
November 2018	W	2.497	2.441	2.101	-	-
December 2017	W	NA	W	1.945	-	-
Indiana						
December 2018	-	W	W	1.709	-	-
November 2018	-	W	W	2.141	-	-
December 2017	-	W	W	1.939	-	-
Iowa						
December 2018	-	2.196	1.852	1.804	-	-
November 2018	-	2.408	2.208	2.154	-	-
December 2017	-	2.215	1.991	1.945	-	-
Kansas						
December 2018	W	2.150	W	1.769	-	-
November 2018	W	2.363	2.072	2.093	-	-
December 2017	-	2.158	1.879	1.909	-	-
Kentucky						
December 2018	W	W	1.889	1.781	-	-
November 2018	W	W	2.217	2.135	-	-
December 2017	W	W	W	1.964	-	W
Michigan						
December 2018	W	2.578	2.192	1.698	-	-
November 2018	W	2.893	2.484	2.167	-	-
December 2017	W	W	W	1.952	-	-
Minnesota						
December 2018	2.529	2.238	1.958	1.833	-	-
November 2018	W	2.465	2.303	2.183	-	-
December 2017	2.408	2.227	2.022	1.969	-	-
Missouri						
December 2018	W	2.192	W	1.774	-	-
November 2018	W	2.469	W	2.109	-	-
December 2017	-	2.228	1.943	1.930	-	-

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						
December 2018	W	2.204	W	1.804	-	-
November 2018	W	2.397	W	2.162	-	-
December 2017	W	2.215	W	1.939	-	-
North Dakota						
December 2018	W	2.092	W	1.839	-	-
November 2018	W	2.407	W	2.188	-	-
December 2017	W	2.222	W	1.993	-	-
Ohio						
December 2018	-	W	2.046	1.693	-	-
November 2018	-	W	2.355	2.121	-	-
December 2017	-	W	W	1.958	-	-
Oklahoma						
December 2018	-	W	W	1.744	-	-
November 2018	-	W	W	2.092	-	-
December 2017	-	2.058	1.906	1.877	-	-
South Dakota						
December 2018	W	2.211	W	1.858	-	-
November 2018	W	2.442	W	2.219	-	-
December 2017	W	2.261	W	1.966	-	-
Tennessee						
December 2018	-	-	1.903	1.777	-	-
November 2018	-	-	2.234	2.065	-	-
December 2017	-	W	2.062	1.923	-	-
Wisconsin						
December 2018	W	2.160	2.089	1.741	-	-
November 2018	W	2.515	2.415	2.171	-	-
December 2017	W	2.283	2.242	1.987	-	-
PAD District 3						
December 2018	-	-	1.832	1.783	-	W
November 2018	-	W	2.134	2.081	-	W
December 2017	-	W	1.960	1.852	-	W
Alabama						
December 2018	-	-	1.806	1.756	-	-
November 2018	-	-	2.108	2.038	-	-
December 2017	-	-	1.945	1.904	-	-
Arkansas						
December 2018	-	-	W	1.754	-	-
November 2018	-	-	W	2.073	-	-
December 2017	-	-	W	1.915	-	-
Louisiana						
December 2018	-	-	1.913	1.787	-	-
November 2018	-	W	2.193	2.107	-	-
December 2017	-	W	1.989	1.806	-	-
Mississippi						
December 2018	-	-	W	1.742	-	-
November 2018	-	-	W	2.059	-	-
December 2017	-	-	W	1.861	-	-
New Mexico						
December 2018	-	-	2.057	1.931	-	-
November 2018	-	-	2.245	2.207	-	-
December 2017	-	W	2.044	2.076	-	-
Texas						
December 2018	-	-	1.792	1.782	-	W
November 2018	-	-	2.115	2.073	-	W
December 2017	-	-	1.944	1.860	-	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						
December 2018	2.596	2.189	1.934	1.850	-	-
November 2018	2.964	2.596	2.368	2.354	-	-
December 2017	2.526	2.316	2.035	2.010	-	-
Colorado						
December 2018	-	2.176	1.981	1.891	-	-
November 2018	-	2.542	2.327	2.257	-	-
December 2017	-	2.276	2.074	2.002	-	-
Idaho						
December 2018	W	2.326	1.911	1.748	-	-
November 2018	W	2.686	2.339	2.412	-	-
December 2017	W	2.470	2.165	2.024	-	-
Montana						
December 2018	W	2.098	W	1.860	-	-
November 2018	W	2.453	W	2.282	-	-
December 2017	W	2.257	W	2.045	-	-
Utah						
December 2018	W	2.357	1.998	1.845	-	-
November 2018	W	3.134	2.558	2.566	-	-
December 2017	W	2.469	2.041	1.980	-	-
Wyoming						
December 2018	W	2.204	1.831	1.864	-	-
November 2018	W	2.658	2.177	2.304	-	-
December 2017	W	2.316	1.961	2.043	-	-
PAD District 5						
December 2018	W	2.049	2.168	1.867	-	-
November 2018	W	2.389	2.427	2.204	-	-
December 2017	W	2.159	2.102	1.971	-	-
Alaska						
December 2018	W	W	W	W	-	-
November 2018	W	W	W	W	-	-
December 2017	W	W	W	W	-	-
Arizona						
December 2018	-	-	2.090	1.992	-	-
November 2018	-	-	2.335	2.303	-	-
December 2017	-	-	NA	1.970	-	-
California						
December 2018	-	-	2.202	1.915	-	-
November 2018	-	-	2.462	2.243	-	-
December 2017	-	-	2.074	1.986	-	-
Hawaii						
December 2018	-	-	W	W	-	-
November 2018	-	-	W	W	-	-
December 2017	-	-	W	W	-	-
Nevada						
December 2018	-	-	W	1.872	-	-
November 2018	-	-	W	2.197	-	-
December 2017	W	-	2.112	1.965	-	-
Oregon						
December 2018	-	W	2.467	1.788	-	-
November 2018	-	W	2.495	2.111	-	-
December 2017	-	NA	2.249	1.967	-	-
Washington						
December 2018	W	2.112	1.875	1.718	-	-
November 2018	W	W	2.252	2.107	-	-
December 2017	W	W	2.034	1.922	-	-

- = 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										
December 2018	19,774.7	20,044.4	16,550.9	227,221.3	13,483.3	1,627.8	1,637.5	203.4	1,599.6	-
November 2018	20,226.7	20,523.3	16,663.0	233,202.6	15,201.7	1,668.0	1,681.5	210.0	1,694.5	-
December 2017	19,777.8	19,996.9	16,837.8	229,977.7	17,570.0	1,646.4	1,658.7	256.7	1,862.7	-
PAD District 1										
December 2018	6,394.0	6,472.4	W	W	3,418.3	558.3	560.5	W	W	-
November 2018	6,545.3	6,631.4	W	W	2,144.7	578.7	581.8	W	W	-
December 2017	6,668.0	6,708.4	W	W	3,642.5	578.0	580.5	W	W	-
Subdistrict 1A										
December 2018	W	W	W	W	W	W	W	-	27.7	-
November 2018	W	W	W	W	W	W	W	-	28.6	-
December 2017	W	W	W	W	W	W	W	-	26.5	-
Connecticut										
December 2018	-	W	W	2,302.5	W	-	-	-	8.9	-
November 2018	-	W	W	2,353.9	W	-	-	-	9.8	-
December 2017	-	W	-	W	W	-	-	-	12.1	-
Maine										
December 2018	-	-	-	W	-	-	-	-	W	-
November 2018	-	-	W	W	-	-	-	-	W	-
December 2017	-	-	-	W	-	-	-	-	W	-
Massachusetts										
December 2018	W	W	W	W	-	W	W	-	5.8	-
November 2018	W	W	-	1,296.1	-	W	W	-	5.3	-
December 2017	W	W	-	970.1	-	W	W	-	4.1	-
New Hampshire										
December 2018	W	W	W	W	-	W	W	-	-	-
November 2018	W	W	W	W	-	W	W	-	-	-
December 2017	W	W	W	W	-	W	W	-	-	-
Rhode Island										
December 2018	W	W	-	913.2	-	W	W	-	W	-
November 2018	W	W	-	952.6	-	W	W	-	5.0	-
December 2017	W	W	-	W	W	W	W	-	W	-
Vermont										
December 2018	-	-	W	W	-	-	-	-	W	-
November 2018	-	-	W	81.6	-	-	-	-	W	-
December 2017	-	-	W	W	-	-	-	-	W	-
Subdistrict 1B										
December 2018	3,424.1	3,424.1	W	21,209.2	W	345.6	345.6	W	W	-
November 2018	3,441.0	3,441.0	W	21,321.2	W	357.0	357.0	W	W	-
December 2017	3,258.4	3,258.4	W	22,276.1	W	344.2	344.2	W	W	-
Delaware										
December 2018	W	W	-	955.3	-	W	W	-	6.4	-
November 2018	W	W	-	1,017.5	-	W	W	-	7.4	-
December 2017	W	W	-	1,000.4	-	W	W	-	8.4	-
District of Columbia										
December 2018	-	-	-	-	-	-	-	-	-	-
November 2018	-	-	-	-	-	-	-	-	-	-
December 2017	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2018	-	-	-	3,666.2	-	-	-	-	43.1	-
November 2018	-	-	-	3,786.7	-	-	-	-	44.9	-
December 2017	-	-	-	4,013.1	-	-	-	-	54.6	-
New Jersey										
December 2018	W	W	W	6,734.1	W	W	W	W	W	-
November 2018	W	W	W	W	1,111.6	W	W	W	W	-
December 2017	W	W	W	6,590.1	W	W	W	W	W	-
New York										
December 2018	2,150.2	2,150.2	W	W	W	220.5	220.5	W	W	-
November 2018	2,153.8	2,153.8	W	4,775.9	W	233.2	233.2	W	W	-
December 2017	1,990.1	1,990.1	W	W	W	220.3	220.3	W	W	-
Pennsylvania										
December 2018	W	W	-	W	W	W	W	-	17.7	-
November 2018	W	W	-	W	W	W	W	-	16.8	-
December 2017	W	W	-	W	W	W	W	-	26.1	-

See footnotes at end of table.

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

thousand gallons per day

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										
December 2018	2,472.6	2,500.4	4,736.2	28,223.3	1,918.6	23,875.2	24,182.4	21,490.5	257,044.1	15,401.9
November 2018	2,405.2	2,435.6	4,665.5	28,454.7	1,734.7	24,300.0	24,640.4	21,538.5	263,351.8	16,936.5
December 2017	2,414.5	2,434.5	4,768.0	28,266.1	2,615.0	23,838.7	24,090.2	21,862.4	260,106.5	20,184.9
PAD District 1										
December 2018	829.9	843.9	W	8,849.8	W	7,782.3	7,876.7	W	76,614.3	W
November 2018	821.7	836.6	W	9,033.7	W	7,945.6	8,049.8	W	78,465.1	W
December 2017	828.1	834.6	W	8,893.1	W	8,074.0	8,123.5	W	77,204.0	W
Subdistrict 1A										
December 2018	W	W	W	W	W	W	W	W	6,044.9	W
November 2018	W	W	W	783.1	W	W	W	W	W	W
December 2017	W	W	W	W	W	W	W	W	W	W
Connecticut										
December 2018	-	-	W	387.1	W	-	W	W	2,698.5	W
November 2018	-	-	W	388.8	W	-	W	W	2,752.4	W
December 2017	-	-	-	W	W	-	W	-	W	W
Maine										
December 2018	-	-	W	W	-	-	-	W	W	-
November 2018	-	-	W	38.1	-	-	-	W	W	-
December 2017	-	-	W	W	-	-	-	W	W	-
Massachusetts										
December 2018	W	W	W	W	-	W	W	W	W	-
November 2018	W	W	-	199.0	-	W	W	-	1,500.3	-
December 2017	W	W	-	157.0	-	W	W	-	1,131.3	-
New Hampshire										
December 2018	W	W	W	W	-	W	W	W	W	-
November 2018	W	W	W	W	-	W	W	W	W	-
December 2017	W	W	W	W	-	W	W	W	W	-
Rhode Island										
December 2018	W	W	-	W	-	W	W	-	1,064.9	-
November 2018	W	W	-	148.2	-	W	W	-	1,105.7	-
December 2017	W	W	-	W	W	W	W	-	W	W
Vermont										
December 2018	-	-	W	W	-	-	-	W	W	-
November 2018	-	-	W	W	-	-	-	W	88.3	-
December 2017	-	-	W	W	-	-	-	W	100.2	-
Subdistrict 1B										
December 2018	550.6	550.6	W	W	277.8	4,320.3	4,320.3	W	24,248.4	W
November 2018	541.1	541.1	W	W	W	4,339.1	4,339.1	W	24,383.6	W
December 2017	528.4	528.4	W	W	W	4,130.9	4,130.9	W	25,411.7	W
Delaware										
December 2018	W	W	-	107.8	-	W	W	-	1,069.5	-
November 2018	W	W	-	112.7	-	W	W	-	1,137.7	-
December 2017	W	W	-	106.0	-	W	W	-	1,114.7	-
District of Columbia										
December 2018	-	-	-	-	-	-	-	-	-	-
November 2018	-	-	-	-	-	-	-	-	-	-
December 2017	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2018	-	-	-	613.0	-	-	-	-	4,322.3	-
November 2018	-	-	-	612.9	-	-	-	-	4,444.5	-
December 2017	-	-	-	640.6	-	-	-	-	4,708.4	-
New Jersey										
December 2018	W	W	W	987.4	W	W	W	W	W	1,158.1
November 2018	W	W	W	W	-	W	W	W	W	1,111.6
December 2017	W	W	W	943.6	W	W	W	W	W	1,021.5
New York										
December 2018	354.8	354.8	W	W	W	2,725.6	2,725.6	W	5,451.5	W
November 2018	355.3	355.3	W	W	W	2,742.3	2,742.3	W	5,568.3	W
December 2017	340.7	340.7	W	W	W	2,551.1	2,551.1	W	6,005.4	W
Pennsylvania										
December 2018	W	W	-	W	W	W	W	-	W	W
November 2018	W	W	-	W	W	W	W	-	W	W
December 2017	W	W	-	W	W	W	W	-	W	W

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
December 2018	W	W	-	W	W	W	W	-	389.0	-
November 2018	W	W	-	W	W	W	W	-	422.7	-
December 2017	W	W	-	W	W	W	W	-	430.5	-
Florida										
December 2018	W	W	-	13,389.4	-	W	W	-	117.2	-
November 2018	W	W	-	13,563.2	-	W	W	-	131.9	-
December 2017	W	W	-	13,290.0	-	W	W	-	115.0	-
Georgia										
December 2018	W	W	-	8,109.1	-	W	W	-	49.0	-
November 2018	W	W	-	8,286.6	-	W	W	-	52.3	-
December 2017	W	W	-	W	W	W	W	-	59.7	-
North Carolina										
December 2018	W	W	-	W	W	W	W	-	107.8	-
November 2018	W	W	-	8,773.8	-	W	W	-	117.6	-
December 2017	W	W	-	8,550.7	-	W	W	-	124.1	-
South Carolina										
December 2018	W	W	-	4,069.4	-	W	W	-	31.0	-
November 2018	W	W	-	4,254.5	-	W	W	-	33.1	-
December 2017	W	W	-	4,302.2	-	W	W	-	37.4	-
Virginia										
December 2018	-	-	-	W	W	-	-	-	76.9	-
November 2018	-	-	-	W	W	-	-	-	79.7	-
December 2017	W	W	-	W	W	W	W	-	87.0	-
West Virginia										
December 2018	W	W	-	W	W	W	W	-	7.0	-
November 2018	W	W	-	W	W	W	W	-	8.0	-
December 2017	W	W	-	588.9	-	W	W	-	7.4	-
PAD District 2										
December 2018	W	W	-	74,805.3	1,491.5	W	W	-	485.1	-
November 2018	W	W	-	77,515.8	1,072.1	W	W	-	499.7	-
December 2017	W	W	W	W	1,057.9	321.6	325.9	W	W	-
Illinois										
December 2018	W	W	-	W	W	W	W	-	66.9	-
November 2018	W	W	-	W	W	W	W	-	68.2	-
December 2017	W	W	-	W	W	W	W	-	80.4	-
Indiana										
December 2018	W	W	-	W	W	W	W	-	18.6	-
November 2018	W	W	-	W	W	W	W	-	20.9	-
December 2017	W	W	-	W	W	W	W	-	26.0	-
Iowa										
December 2018	-	W	-	2,532.5	-	-	-	-	53.5	-
November 2018	-	W	-	2,527.6	-	-	-	-	52.5	-
December 2017	-	W	-	2,639.8	-	-	-	-	64.0	-
Kansas										
December 2018	W	W	-	W	W	W	W	-	17.4	-
November 2018	W	W	-	W	W	W	W	-	21.0	-
December 2017	W	W	-	W	W	W	W	-	23.0	-
Kentucky										
December 2018	W	W	-	W	W	W	W	-	10.9	-
November 2018	W	W	-	W	W	W	W	-	11.9	-
December 2017	W	W	-	W	W	W	W	-	12.3	-
Michigan										
December 2018	W	W	-	9,572.2	-	W	W	-	31.9	-
November 2018	W	W	-	9,970.6	-	W	W	-	14.1	-
December 2017	W	W	-	9,385.6	-	W	W	-	11.6	-
Minnesota										
December 2018	704.0	705.8	-	4,763.3	-	W	W	-	70.2	-
November 2018	702.7	704.7	-	5,302.3	-	37.0	40.8	-	74.8	-
December 2017	W	W	W	W	-	W	W	W	W	-
Missouri										
December 2018	-	W	-	W	W	-	-	-	14.3	-
November 2018	-	W	-	W	W	-	-	-	16.7	-
December 2017	-	W	-	W	W	-	-	-	18.6	-

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										
December 2018	W	W	-	W	W	W	W	-	46,321.1	275.7
November 2018	W	W	-	W	W	W	W	-	W	W
December 2017	W	W	-	5,182.6	-	W	W	-	W	W
Florida										
December 2018	W	W	-	1,889.7	-	W	W	-	15,396.2	-
November 2018	W	W	-	1,901.9	-	W	W	-	15,597.1	-
December 2017	W	W	-	1,944.3	-	W	W	-	15,349.3	-
Georgia										
December 2018	W	W	-	991.8	-	W	W	-	9,149.9	-
November 2018	W	W	-	1,025.9	-	W	W	-	9,364.7	-
December 2017	W	W	-	964.7	-	W	W	-	W	W
North Carolina										
December 2018	W	W	-	956.7	-	W	W	-	W	W
November 2018	W	W	-	1,014.0	-	W	W	-	9,905.4	-
December 2017	W	W	-	961.7	-	W	W	-	9,636.5	-
South Carolina										
December 2018	W	W	-	394.9	-	W	W	-	4,495.3	-
November 2018	W	W	-	408.6	-	W	W	-	4,696.2	-
December 2017	W	W	-	414.7	-	W	W	-	4,754.3	-
Virginia										
December 2018	-	-	-	877.0	-	-	-	-	W	W
November 2018	-	-	-	W	W	-	-	-	W	W
December 2017	W	W	-	867.4	-	W	W	-	W	W
West Virginia										
December 2018	W	W	-	W	W	W	W	-	W	W
November 2018	W	W	-	W	W	W	W	-	W	W
December 2017	W	W	-	29.7	-	W	W	-	626.0	-
PAD District 2										
December 2018	W	W	-	6,166.8	539.0	W	W	-	81,457.1	2,030.5
November 2018	W	W	-	6,228.7	364.3	W	W	-	84,244.2	1,436.4
December 2017	W	W	W	6,117.5	W	W	8,832.8	W	82,891.5	W
Illinois										
December 2018	W	W	-	W	W	W	W	-	11,832.3	NA
November 2018	W	W	-	W	W	W	W	-	12,026.9	67.0
December 2017	W	W	-	1,160.7	-	W	W	-	W	W
Indiana										
December 2018	W	W	-	382.2	-	W	W	-	W	W
November 2018	W	W	-	W	W	W	W	-	W	W
December 2017	W	W	-	W	W	W	W	-	W	W
Iowa										
December 2018	-	-	-	253.4	-	-	W	-	2,839.4	-
November 2018	-	-	-	228.0	-	-	W	-	2,808.0	-
December 2017	-	-	-	272.0	-	-	W	-	2,975.8	-
Kansas										
December 2018	-	-	-	W	W	W	W	-	4,168.0	237.1
November 2018	-	-	-	W	W	W	W	-	W	W
December 2017	-	-	-	W	W	W	W	-	4,369.9	216.8
Kentucky										
December 2018	W	W	-	212.9	-	W	W	-	W	W
November 2018	W	W	-	W	W	W	W	-	W	W
December 2017	W	W	-	W	W	W	W	-	W	W
Michigan										
December 2018	W	W	-	W	W	W	W	-	W	W
November 2018	W	W	-	W	W	W	W	-	W	W
December 2017	W	W	-	W	W	W	W	-	W	W
Minnesota										
December 2018	W	W	-	W	W	795.7	800.5	-	W	W
November 2018	58.9	59.0	-	W	W	798.6	804.4	-	W	W
December 2017	W	W	W	W	W	W	W	W	5,116.1	W
Missouri										
December 2018	-	-	-	W	W	-	W	-	W	W
November 2018	-	-	-	W	W	-	W	-	W	W
December 2017	-	-	-	236.1	-	-	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										
December 2018	W	W	-	1,467.8	-	W	W	-	18.8	-
November 2018	W	W	-	1,638.5	-	W	W	-	23.6	-
December 2017	W	W	-	1,555.3	-	W	W	-	20.0	-
North Dakota										
December 2018	W	W	-	855.4	-	W	W	-	18.7	-
November 2018	W	W	-	929.1	-	W	W	-	19.2	-
December 2017	W	W	-	848.8	-	W	W	-	19.5	-
Ohio										
December 2018	W	W	-	10,176.2	-	W	W	-	36.2	-
November 2018	W	W	-	10,120.4	-	W	W	-	36.0	-
December 2017	W	W	-	9,890.0	-	W	W	-	42.6	-
Oklahoma										
December 2018	W	W	-	W	W	W	W	-	4.4	-
November 2018	W	W	-	W	W	W	W	-	4.3	-
December 2017	W	W	-	W	W	W	W	-	4.8	-
South Dakota										
December 2018	8.8	9.5	-	907.0	-	W	W	-	18.5	-
November 2018	W	W	-	972.1	-	W	W	-	21.5	-
December 2017	W	W	-	953.8	-	W	W	-	20.2	-
Tennessee										
December 2018	W	W	-	8,684.2	-	W	W	-	71.7	-
November 2018	W	W	-	W	W	W	W	-	79.7	-
December 2017	W	W	-	9,398.0	-	W	W	-	75.0	-
Wisconsin										
December 2018	W	W	-	5,229.1	-	W	W	-	33.3	-
November 2018	W	W	-	5,310.8	-	W	W	-	35.3	-
December 2017	W	W	W	W	-	W	W	W	W	-
PAD District 3										
December 2018	874.2	899.5	W	W	W	86.3	86.4	W	W	-
November 2018	885.7	916.5	W	W	W	88.4	88.6	W	W	-
December 2017	W	928.8	W	W	W	92.4	92.5	W	W	-
Alabama										
December 2018	-	W	-	4,828.0	-	-	-	-	30.3	-
November 2018	-	W	-	4,882.7	-	-	-	-	35.0	-
December 2017	-	W	-	4,462.8	-	-	-	-	34.5	-
Arkansas										
December 2018	-	-	-	2,753.2	-	-	-	-	12.6	-
November 2018	-	-	-	2,831.2	-	-	-	-	14.8	-
December 2017	-	-	-	2,866.7	-	-	-	-	19.2	-
Louisiana										
December 2018	-	W	-	W	W	-	-	-	12.6	-
November 2018	-	W	-	W	W	-	-	-	15.5	-
December 2017	-	W	-	W	W	-	-	-	19.8	-
Mississippi										
December 2018	-	-	-	W	W	-	-	-	18.8	-
November 2018	-	-	-	W	W	-	-	-	21.1	-
December 2017	-	-	-	W	W	-	-	-	22.4	-
New Mexico										
December 2018	W	361.8	W	W	-	W	W	W	W	-
November 2018	W	377.5	W	W	-	W	50.2	W	W	-
December 2017	374.2	385.0	W	W	-	W	W	W	W	-
Texas										
December 2018	W	W	W	30,691.8	W	W	W	-	134.1	-
November 2018	W	W	W	31,226.5	W	W	38.4	-	161.9	-
December 2017	W	NA	W	30,069.1	W	W	W	-	177.0	-

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										
December 2018	-	-	-	157.2	-	W	W	-	1,643.8	-
November 2018	-	-	-	168.2	-	W	W	-	1,830.3	-
December 2017	-	-	-	152.2	-	W	W	-	1,727.5	-
North Dakota										
December 2018	W	W	-	82.5	-	W	W	-	956.5	-
November 2018	W	W	-	87.1	-	W	W	-	1,035.4	-
December 2017	W	W	-	78.2	-	W	W	-	946.5	-
Ohio										
December 2018	W	W	-	W	W	W	W	-	W	W
November 2018	W	W	-	W	W	W	W	-	W	W
December 2017	W	W	-	W	W	W	W	-	W	W
Oklahoma										
December 2018	W	W	-	W	W	W	W	-	4,168.7	1,482.2
November 2018	W	W	-	W	W	W	W	-	4,265.9	952.0
December 2017	W	W	-	W	W	W	W	-	4,385.5	934.9
South Dakota										
December 2018	W	W	-	82.8	-	10.7	12.4	-	1,008.4	-
November 2018	W	W	-	88.0	-	W	W	-	1,081.6	-
December 2017	W	W	-	79.1	-	W	W	-	1,053.2	-
Tennessee										
December 2018	W	W	-	796.4	-	W	W	-	9,552.3	-
November 2018	W	W	-	825.8	-	W	W	-	W	W
December 2017	W	W	-	876.0	-	W	W	-	10,349.0	-
Wisconsin										
December 2018	W	W	-	392.5	-	W	W	-	5,654.9	-
November 2018	W	W	-	389.3	-	W	W	-	5,735.4	-
December 2017	W	W	W	417.2	W	W	W	W	5,993.1	W
PAD District 3										
December 2018	83.6	88.8	W	5,270.7	W	1,044.1	1,074.7	W	53,516.2	W
November 2018	82.4	88.2	W	5,285.1	W	1,056.5	1,093.3	W	54,578.6	W
December 2017	W	93.9	W	5,098.8	W	1,083.1	1,115.1	W	52,662.7	W
Alabama										
December 2018	-	W	-	428.3	-	-	W	-	5,286.5	-
November 2018	-	W	-	444.1	-	-	W	-	5,361.9	-
December 2017	-	W	-	405.1	-	-	W	-	4,902.4	-
Arkansas										
December 2018	-	-	-	283.3	-	-	-	-	3,049.2	-
November 2018	-	-	-	256.0	-	-	-	-	3,102.0	-
December 2017	-	-	-	230.1	-	-	-	-	3,116.1	-
Louisiana										
December 2018	-	-	-	W	W	-	W	-	6,036.1	2,331.9
November 2018	-	-	-	W	W	-	W	-	6,249.7	3,418.4
December 2017	-	-	-	W	W	-	W	-	6,114.3	2,404.8
Mississippi										
December 2018	-	-	-	221.6	-	-	-	-	W	W
November 2018	-	-	-	225.8	-	-	-	-	W	W
December 2017	-	-	-	219.5	-	-	-	-	W	W
New Mexico										
December 2018	W	W	W	W	-	W	451.7	W	W	-
November 2018	W	41.6	W	W	-	W	469.4	W	W	-
December 2017	43.6	W	W	W	-	W	482.3	W	W	-
Texas										
December 2018	W	W	W	3,603.0	W	W	W	W	34,428.9	W
November 2018	W	W	W	3,610.1	W	W	W	W	34,998.5	W
December 2017	W	W	W	3,520.1	W	W	NA	W	33,766.2	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										
December 2018	W	W	W	9,980.0	W	W	W	-	110.8	-
November 2018	W	W	W	10,174.5	W	W	W	-	107.4	-
December 2017	W	W	W	10,125.3	W	74.4	75.6	-	127.4	-
Colorado										
December 2018	W	147.3	W	W	W	40.9	41.8	-	44.6	-
November 2018	W	149.7	W	W	W	40.4	41.3	-	41.9	-
December 2017	W	152.5	W	W	W	42.4	42.9	-	55.8	-
Idaho										
December 2018	W	W	-	1,376.2	-	W	W	-	7.1	-
November 2018	W	W	-	1,345.9	-	W	W	-	6.3	-
December 2017	W	W	-	1,319.9	-	W	W	-	8.6	-
Montana										
December 2018	W	W	-	1,101.6	-	W	W	-	W	-
November 2018	W	W	-	1,230.7	-	W	W	-	W	-
December 2017	W	W	-	1,048.5	-	W	W	-	W	-
Utah										
December 2018	W	W	W	W	W	W	W	-	40.4	-
November 2018	W	W	W	W	W	W	W	-	39.8	-
December 2017	W	W	W	W	W	W	W	-	44.1	-
Wyoming										
December 2018	W	8.8	-	751.1	-	W	W	-	W	-
November 2018	W	10.0	-	745.3	-	W	W	-	W	-
December 2017	W	9.3	-	853.0	-	W	W	-	W	-
PAD District 5										
December 2018	4,205.8	4,267.7	15,186.5	27,164.3	2,155.5	611.1	611.8	199.4	265.4	-
November 2018	4,126.5	4,186.3	15,279.9	27,608.0	2,720.1	609.0	609.7	201.4	266.7	-
December 2017	3,864.7	3,925.1	15,351.0	28,619.3	2,074.0	580.0	584.2	244.2	319.7	-
Alaska										
December 2018	W	W	73.6	W	W	W	W	W	W	-
November 2018	W	W	W	W	W	W	W	W	W	-
December 2017	W	W	79.9	W	W	W	W	W	W	-
Arizona										
December 2018	W	W	1,104.2	W	W	W	W	W	W	-
November 2018	W	W	W	4,190.3	W	W	W	W	W	-
December 2017	W	W	W	4,355.4	W	W	W	W	W	-
California										
December 2018	3,060.4	3,061.2	11,370.5	13,321.4	1,419.0	523.8	523.9	128.6	166.3	-
November 2018	2,969.7	2,970.7	11,447.1	13,488.1	1,631.3	520.7	520.9	129.3	165.2	-
December 2017	2,727.1	2,728.5	11,454.4	14,443.2	1,451.1	488.2	488.3	153.5	205.8	-
Hawaii										
December 2018	W	W	W	W	W	W	W	W	W	-
November 2018	W	W	W	W	W	W	W	W	W	-
December 2017	W	W	W	W	W	W	W	W	W	-
Nevada										
December 2018	W	W	W	1,456.2	W	W	W	W	W	-
November 2018	W	W	W	W	60.2	W	W	W	W	-
December 2017	W	W	W	1,496.1	W	W	W	W	W	-
Oregon										
December 2018	87.0	87.0	731.2	W	W	5.7	5.7	W	W	-
November 2018	93.9	93.9	744.1	W	W	6.0	6.0	W	W	-
December 2017	93.4	93.4	796.2	W	W	6.4	6.4	W	W	-
Washington										
December 2018	342.4	346.7	W	4,805.3	W	29.4	29.6	W	W	-
November 2018	334.2	339.1	W	4,855.5	W	28.9	29.1	13.8	34.4	-
December 2017	323.0	327.5	W	4,759.4	W	30.9	31.1	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										
December 2018	W	W	W	2,236.1	W	W	W	W	12,326.8	W
November 2018	W	W	W	2,187.0	W	W	W	W	12,468.9	W
December 2017	66.7	W	W	2,184.2	W	W	497.3	W	12,436.8	W
Colorado										
December 2018	W	31.3	W	W	-	216.1	220.4	W	5,442.5	W
November 2018	W	29.8	W	W	-	216.0	220.8	W	5,326.5	W
December 2017	W	32.9	W	W	-	224.8	228.4	W	5,311.0	W
Idaho										
December 2018	W	W	-	234.6	-	W	W	-	1,618.0	-
November 2018	W	W	-	222.4	-	W	W	-	1,574.7	-
December 2017	W	W	-	229.4	-	W	W	-	1,557.9	-
Montana										
December 2018	W	W	-	W	-	W	W	-	1,315.8	-
November 2018	W	W	-	W	-	W	W	-	1,454.2	-
December 2017	W	W	-	W	-	W	W	-	1,260.7	-
Utah										
December 2018	W	W	W	W	W	W	W	W	3,063.2	W
November 2018	W	W	W	W	W	W	W	W	3,240.2	W
December 2017	W	W	W	W	W	W	W	W	3,304.2	W
Wyoming										
December 2018	W	W	-	W	-	W	11.1	-	887.4	-
November 2018	W	W	-	W	-	W	12.3	-	873.4	-
December 2017	W	W	-	W	-	W	11.7	-	1,002.9	-
PAD District 5										
December 2018	1,074.8	1,080.3	4,362.4	5,699.9	424.0	5,891.7	5,959.8	19,748.3	33,129.6	2,579.4
November 2018	1,004.9	1,010.6	4,296.2	5,720.3	398.4	5,740.5	5,806.7	19,777.4	33,595.0	3,118.5
December 2017	1,006.5	1,012.4	4,371.3	5,972.4	375.7	5,451.2	5,521.6	19,966.5	34,911.5	2,449.7
Alaska										
December 2018	W	W	W	W	-	W	W	89.3	W	W
November 2018	W	W	W	W	-	W	W	W	W	W
December 2017	W	W	W	W	-	W	W	97.4	W	W
Arizona										
December 2018	W	W	W	595.5	W	W	W	1,266.8	4,728.2	218.9
November 2018	W	W	162.7	W	W	W	W	W	4,795.7	W
December 2017	W	W	167.7	W	W	W	W	W	4,953.7	W
California										
December 2018	904.8	904.8	3,542.9	3,458.1	320.5	4,488.9	4,489.8	15,042.0	16,945.8	1,739.5
November 2018	843.1	843.1	3,489.0	3,447.5	298.3	4,333.6	4,334.7	15,065.4	17,100.9	1,929.5
December 2017	830.2	830.2	3,527.9	3,699.4	271.5	4,045.5	4,047.0	15,135.9	18,348.4	1,722.6
Hawaii										
December 2018	W	W	W	W	W	W	W	W	W	W
November 2018	W	W	W	W	W	W	W	W	W	W
December 2017	W	W	W	W	W	W	W	W	W	W
Nevada										
December 2018	W	W	W	W	W	W	W	W	1,797.6	W
November 2018	W	W	W	342.1	W	W	W	W	1,760.8	W
December 2017	W	W	W	W	W	W	W	W	1,869.6	W
Oregon										
December 2018	13.1	13.1	123.3	357.0	-	105.9	105.9	W	3,255.6	W
November 2018	13.8	13.8	122.3	370.6	-	113.7	113.7	W	3,432.0	W
December 2017	13.8	13.8	128.8	373.0	-	113.5	113.5	W	3,348.3	W
Washington										
December 2018	44.4	44.5	219.3	W	W	416.2	420.7	W	5,721.8	W
November 2018	42.9	43.1	W	888.9	W	406.1	411.4	1,208.3	5,778.8	150.9
December 2017	47.4	47.5	233.4	W	W	401.3	406.2	W	5,679.6	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					
December 2018	14,565.9	14,850.9	4,197.8	181,167.9	12,320.8
November 2018	15,058.8	15,372.9	4,232.0	186,258.7	14,349.9
December 2017	14,908.5	15,136.9	4,442.6	182,809.1	16,643.7
PAD District 1					
December 2018	W	W	W	48,508.7	W
November 2018	W	W	W	50,088.6	W
December 2017	W	W	W	49,251.9	W
Subdistrict 1A					
December 2018	-	-	W	W	-
November 2018	-	-	W	W	-
December 2017	-	-	W	W	-
Connecticut					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Maine					
December 2018	-	-	W	W	-
November 2018	-	-	W	W	-
December 2017	-	-	W	W	-
Massachusetts					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
New Hampshire					
December 2018	-	-	W	-	-
November 2018	-	-	W	-	-
December 2017	-	-	W	W	-
Rhode Island					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Vermont					
December 2018	-	-	W	W	-
November 2018	-	-	W	88.3	-
December 2017	-	-	W	100.2	-
Subdistrict 1B					
December 2018	W	W	W	W	W
November 2018	W	W	W	6,074.5	W
December 2017	W	W	W	W	W
Delaware					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
District of Columbia					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Maryland					
December 2018	-	-	-	370.2	-
November 2018	-	-	-	379.3	-
December 2017	-	-	-	W	-
New Jersey					
December 2018	-	-	-	-	W
November 2018	-	-	-	-	W
December 2017	-	-	-	-	W
New York					
December 2018	W	W	W	W	W
November 2018	W	W	W	W	W
December 2017	W	W	W	W	W
Pennsylvania					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
December 2018	9,309.3	9,331.5	17,292.6	75,876.2	3,081.2
November 2018	9,241.2	9,267.4	17,306.4	77,093.1	2,586.6
December 2017	8,930.2	8,953.3	17,419.8	77,297.4	3,541.2
PAD District 1					
December 2018	W	W	W	28,105.6	W
November 2018	W	W	W	28,376.5	W
December 2017	W	W	W	27,952.1	W
Subdistrict 1A					
December 2018	W	W	W	W	W
November 2018	W	W	W	5,693.8	W
December 2017	W	W	-	W	W
Connecticut					
December 2018	-	W	W	2,698.5	W
November 2018	-	W	W	2,752.4	W
December 2017	-	W	-	W	W
Maine					
December 2018	-	-	-	W	-
November 2018	-	-	-	W	-
December 2017	-	-	-	W	-
Massachusetts					
December 2018	W	W	W	W	-
November 2018	W	W	-	1,500.3	-
December 2017	W	W	-	1,131.3	-
New Hampshire					
December 2018	W	W	-	W	-
November 2018	W	W	-	W	-
December 2017	W	W	-	-	-
Rhode Island					
December 2018	W	W	-	1,064.9	-
November 2018	W	W	-	W	-
December 2017	W	W	-	W	W
Vermont					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Subdistrict 1B					
December 2018	W	W	W	W	W
November 2018	W	W	W	18,309.1	W
December 2017	W	W	W	W	W
Delaware					
December 2018	W	W	-	1,069.5	-
November 2018	W	W	-	1,137.7	-
December 2017	W	W	-	1,114.7	-
District of Columbia					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Maryland					
December 2018	-	-	-	3,952.1	-
November 2018	-	-	-	4,065.2	-
December 2017	-	-	-	W	-
New Jersey					
December 2018	W	W	W	W	W
November 2018	W	W	W	W	W
December 2017	W	W	W	W	W
New York					
December 2018	W	W	W	W	W
November 2018	W	W	W	W	W
December 2017	W	W	W	W	-
Pennsylvania					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
December 2018	23,875.2	24,182.4	21,490.5	257,044.1	15,401.9
November 2018	24,300.0	24,640.4	21,538.5	263,351.8	16,936.5
December 2017	23,838.7	24,090.2	21,862.4	260,106.5	20,184.9
PAD District 1					
December 2018	7,782.3	7,876.7	W	76,614.3	W
November 2018	7,945.6	8,049.8	W	78,465.1	W
December 2017	8,074.0	8,123.5	W	77,204.0	W
Subdistrict 1A					
December 2018	W	W	W	6,044.9	W
November 2018	W	W	W	W	W
December 2017	W	W	W	W	W
Connecticut					
December 2018	-	W	W	2,698.5	W
November 2018	-	W	W	2,752.4	W
December 2017	-	W	-	W	W
Maine					
December 2018	-	-	W	W	-
November 2018	-	-	W	W	-
December 2017	-	-	W	W	-
Massachusetts					
December 2018	W	W	W	W	-
November 2018	W	W	-	1,500.3	-
December 2017	W	W	-	1,131.3	-
New Hampshire					
December 2018	W	W	W	W	-
November 2018	W	W	W	W	-
December 2017	W	W	W	W	-
Rhode Island					
December 2018	W	W	-	1,064.9	-
November 2018	W	W	-	1,105.7	-
December 2017	W	W	-	W	W
Vermont					
December 2018	-	-	W	W	-
November 2018	-	-	W	88.3	-
December 2017	-	-	W	100.2	-
Subdistrict 1B					
December 2018	4,320.3	4,320.3	W	24,248.4	W
November 2018	4,339.1	4,339.1	W	24,383.6	W
December 2017	4,130.9	4,130.9	W	25,411.7	W
Delaware					
December 2018	W	W	-	1,069.5	-
November 2018	W	W	-	1,137.7	-
December 2017	W	W	-	1,114.7	-
District of Columbia					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Maryland					
December 2018	-	-	-	4,322.3	-
November 2018	-	-	-	4,444.5	-
December 2017	-	-	-	4,708.4	-
New Jersey					
December 2018	W	W	W	W	1,158.1
November 2018	W	W	W	W	1,111.6
December 2017	W	W	W	W	1,021.5
New York					
December 2018	2,725.6	2,725.6	W	5,451.5	W
November 2018	2,742.3	2,742.3	W	5,568.3	W
December 2017	2,551.1	2,551.1	W	6,005.4	W
Pennsylvania					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W

See footnotes at end of table.

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

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
December 2018	W	W	-	42,114.9	275.7
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Florida					
December 2018	W	W	-	15,396.2	-
November 2018	W	W	-	15,597.1	-
December 2017	W	W	-	15,349.3	-
Georgia					
December 2018	W	W	-	9,149.9	-
November 2018	W	W	-	9,364.7	-
December 2017	W	W	-	W	W
North Carolina					
December 2018	W	W	-	W	W
November 2018	W	W	-	9,905.4	-
December 2017	W	W	-	9,636.5	-
South Carolina					
December 2018	W	W	-	4,495.3	-
November 2018	W	W	-	4,696.2	-
December 2017	W	W	-	4,754.3	-
Virginia					
December 2018	-	-	-	W	W
November 2018	-	-	-	W	W
December 2017	W	W	-	W	W
West Virginia					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	626.0	-
PAD District 2					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	W	W	W
Illinois					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Indiana					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Iowa					
December 2018	-	W	-	2,839.4	-
November 2018	-	W	-	2,808.0	-
December 2017	-	W	-	2,975.8	-
Kansas					
December 2018	W	W	-	4,168.0	237.1
November 2018	W	W	-	W	W
December 2017	W	W	-	4,369.9	216.8
Kentucky					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Michigan					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Minnesota					
December 2018	795.7	800.5	-	W	W
November 2018	798.6	804.4	-	W	W
December 2017	W	W	W	5,116.1	W
Missouri					
December 2018	-	W	-	2,699.4	-
November 2018	-	W	-	2,758.0	-
December 2017	-	W	-	3,046.3	-

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	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
December 2018	-	-	-	4,206.2	-
November 2018	-	-	-	4,373.7	-
December 2017	-	-	-	4,312.7	-
Florida					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Georgia					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
North Carolina					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
South Carolina					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Virginia					
December 2018	-	-	-	4,206.2	-
November 2018	-	-	-	4,373.7	-
December 2017	-	-	-	4,312.7	-
West Virginia					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
PAD District 2					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Illinois					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Indiana					
December 2018	W	W	-	949.7	-
November 2018	W	W	-	936.3	-
December 2017	W	W	-	943.1	-
Iowa					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Kansas					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Kentucky					
December 2018	W	W	-	622.9	-
November 2018	W	W	-	633.8	-
December 2017	W	W	-	792.0	-
Michigan					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Minnesota					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Missouri					
December 2018	-	-	-	W	W
November 2018	-	-	-	W	W
December 2017	-	-	-	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					
December 2018	W	W	-	46,321.1	275.7
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Florida					
December 2018	W	W	-	15,396.2	-
November 2018	W	W	-	15,597.1	-
December 2017	W	W	-	15,349.3	-
Georgia					
December 2018	W	W	-	9,149.9	-
November 2018	W	W	-	9,364.7	-
December 2017	W	W	-	W	W
North Carolina					
December 2018	W	W	-	W	W
November 2018	W	W	-	9,905.4	-
December 2017	W	W	-	9,636.5	-
South Carolina					
December 2018	W	W	-	4,495.3	-
November 2018	W	W	-	4,696.2	-
December 2017	W	W	-	4,754.3	-
Virginia					
December 2018	-	-	-	W	W
November 2018	-	-	-	W	W
December 2017	W	W	-	W	W
West Virginia					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	626.0	-
PAD District 2					
December 2018	W	W	-	81,457.1	2,030.5
November 2018	W	W	-	84,244.2	1,436.4
December 2017	W	8,832.8	W	82,891.5	W
Illinois					
December 2018	W	W	-	11,832.3	NA
November 2018	W	W	-	12,026.9	67.0
December 2017	W	W	-	W	W
Indiana					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Iowa					
December 2018	-	W	-	2,839.4	-
November 2018	-	W	-	2,808.0	-
December 2017	-	W	-	2,975.8	-
Kansas					
December 2018	W	W	-	4,168.0	237.1
November 2018	W	W	-	W	W
December 2017	W	W	-	4,369.9	216.8
Kentucky					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Michigan					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Minnesota					
December 2018	795.7	800.5	-	W	W
November 2018	798.6	804.4	-	W	W
December 2017	W	W	W	5,116.1	W
Missouri					
December 2018	-	W	-	W	W
November 2018	-	W	-	W	W
December 2017	-	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					
December 2018	W	W	-	1,643.8	-
November 2018	W	W	-	1,830.3	-
December 2017	W	W	-	1,727.5	-
North Dakota					
December 2018	W	W	-	956.5	-
November 2018	W	W	-	1,035.4	-
December 2017	W	W	-	946.5	-
Ohio					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Oklahoma					
December 2018	W	W	-	4,168.7	1,482.2
November 2018	W	W	-	4,265.9	952.0
December 2017	W	W	-	4,385.5	934.9
South Dakota					
December 2018	10.7	12.4	-	1,008.4	-
November 2018	W	W	-	1,081.6	-
December 2017	W	W	-	1,053.2	-
Tennessee					
December 2018	W	W	-	9,552.3	-
November 2018	W	W	-	W	W
December 2017	W	W	-	10,349.0	-
Wisconsin					
December 2018	21.5	22.1	-	4,030.6	-
November 2018	W	W	-	4,065.2	-
December 2017	W	55.0	W	4,315.5	W
PAD District 3					
December 2018	1,044.1	1,074.7	W	37,872.2	W
November 2018	1,056.5	1,093.3	W	38,512.7	W
December 2017	1,083.1	1,115.1	W	37,195.1	W
Alabama					
December 2018	-	W	-	5,286.5	-
November 2018	-	W	-	5,361.9	-
December 2017	-	W	-	4,902.4	-
Arkansas					
December 2018	-	-	-	3,049.2	-
November 2018	-	-	-	3,102.0	-
December 2017	-	-	-	3,116.1	-
Louisiana					
December 2018	-	W	-	6,036.1	2,331.9
November 2018	-	W	-	6,249.7	3,418.4
December 2017	-	W	-	6,114.3	2,404.8
Mississippi					
December 2018	-	-	-	W	W
November 2018	-	-	-	W	W
December 2017	-	-	-	W	W
New Mexico					
December 2018	W	451.7	W	W	-
November 2018	W	469.4	W	W	-
December 2017	W	482.3	W	W	-
Texas					
December 2018	W	W	W	W	W
November 2018	W	W	W	W	W
December 2017	W	NA	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					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
North Dakota					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Ohio					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Oklahoma					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
South Dakota					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Tennessee					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Wisconsin					
December 2018	W	W	-	1,624.3	-
November 2018	W	W	-	1,670.2	-
December 2017	W	W	-	1,677.6	-
PAD District 3					
December 2018	-	-	-	15,644.1	-
November 2018	-	-	-	16,065.9	-
December 2017	-	-	-	15,467.6	-
Alabama					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Arkansas					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Louisiana					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Mississippi					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
New Mexico					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Texas					
December 2018	-	-	-	W	-
November 2018	-	-	-	W	-
December 2017	-	-	-	W	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
December 2018	W	W	-	1,643.8	-
November 2018	W	W	-	1,830.3	-
December 2017	W	W	-	1,727.5	-
North Dakota					
December 2018	W	W	-	956.5	-
November 2018	W	W	-	1,035.4	-
December 2017	W	W	-	946.5	-
Ohio					
December 2018	W	W	-	W	W
November 2018	W	W	-	W	W
December 2017	W	W	-	W	W
Oklahoma					
December 2018	W	W	-	4,168.7	1,482.2
November 2018	W	W	-	4,265.9	952.0
December 2017	W	W	-	4,385.5	934.9
South Dakota					
December 2018	10.7	12.4	-	1,008.4	-
November 2018	W	W	-	1,081.6	-
December 2017	W	W	-	1,053.2	-
Tennessee					
December 2018	W	W	-	9,552.3	-
November 2018	W	W	-	W	W
December 2017	W	W	-	10,349.0	-
Wisconsin					
December 2018	W	W	-	5,654.9	-
November 2018	W	W	-	5,735.4	-
December 2017	W	W	W	5,993.1	W
PAD District 3					
December 2018	1,044.1	1,074.7	W	53,516.2	W
November 2018	1,056.5	1,093.3	W	54,578.6	W
December 2017	1,083.1	1,115.1	W	52,662.7	W
Alabama					
December 2018	-	W	-	5,286.5	-
November 2018	-	W	-	5,361.9	-
December 2017	-	W	-	4,902.4	-
Arkansas					
December 2018	-	-	-	3,049.2	-
November 2018	-	-	-	3,102.0	-
December 2017	-	-	-	3,116.1	-
Louisiana					
December 2018	-	W	-	6,036.1	2,331.9
November 2018	-	W	-	6,249.7	3,418.4
December 2017	-	W	-	6,114.3	2,404.8
Mississippi					
December 2018	-	-	-	W	W
November 2018	-	-	-	W	W
December 2017	-	-	-	W	W
New Mexico					
December 2018	W	451.7	W	W	-
November 2018	W	469.4	W	W	-
December 2017	W	482.3	W	W	-
Texas					
December 2018	W	W	W	34,428.9	W
November 2018	W	W	W	34,998.5	W
December 2017	W	NA	W	33,766.2	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					
December 2018	W	W	W	12,326.8	W
November 2018	W	W	W	12,468.9	W
December 2017	W	497.3	W	12,436.8	W
Colorado					
December 2018	216.1	220.4	W	5,442.5	W
November 2018	216.0	220.8	W	5,326.5	W
December 2017	224.8	228.4	W	5,311.0	W
Idaho					
December 2018	W	W	-	1,618.0	-
November 2018	W	W	-	1,574.7	-
December 2017	W	W	-	1,557.9	-
Montana					
December 2018	W	W	-	1,315.8	-
November 2018	W	W	-	1,454.2	-
December 2017	W	W	-	1,260.7	-
Utah					
December 2018	W	W	W	3,063.2	W
November 2018	W	W	W	3,240.2	W
December 2017	W	W	W	3,304.2	W
Wyoming					
December 2018	W	11.1	-	887.4	-
November 2018	W	12.3	-	873.4	-
December 2017	W	11.7	-	1,002.9	-
PAD District 5					
December 2018	1,402.8	1,468.6	W	W	W
November 2018	1,406.9	1,471.0	W	W	W
December 2017	1,405.7	1,472.9	W	W	W
Alaska					
December 2018	W	W	89.3	W	W
November 2018	W	W	W	W	W
December 2017	W	W	97.4	W	W
Arizona					
December 2018	W	W	W	W	-
November 2018	W	W	W	W	-
December 2017	W	W	267.3	W	-
California					
December 2018	-	-	-	-	W
November 2018	-	-	-	-	W
December 2017	-	-	-	-	W
Hawaii					
December 2018	W	W	W	W	W
November 2018	W	W	W	W	W
December 2017	W	W	W	W	W
Nevada					
December 2018	W	W	W	1,797.6	W
November 2018	W	W	W	1,760.8	W
December 2017	W	W	W	1,869.6	W
Oregon					
December 2018	105.9	105.9	W	3,255.6	W
November 2018	113.7	113.7	W	3,432.0	W
December 2017	113.5	113.5	W	3,348.3	W
Washington					
December 2018	416.2	420.7	W	5,721.8	W
November 2018	406.1	411.4	1,208.3	5,778.8	150.9
December 2017	401.3	406.2	W	5,679.6	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					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Colorado					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Idaho					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Montana					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Utah					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Wyoming					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
PAD District 5					
December 2018	4,488.9	4,491.2	W	W	W
November 2018	4,333.6	4,335.6	W	W	W
December 2017	4,045.5	4,048.7	W	W	W
Alaska					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Arizona					
December 2018	-	W	W	W	218.9
November 2018	-	W	W	W	W
December 2017	-	W	W	W	W
California					
December 2018	4,488.9	W	15,042.0	16,945.8	W
November 2018	4,333.6	W	15,065.4	17,100.9	W
December 2017	4,045.5	W	15,135.9	18,348.4	W
Hawaii					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Nevada					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Oregon					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-
Washington					
December 2018	-	-	-	-	-
November 2018	-	-	-	-	-
December 2017	-	-	-	-	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
December 2018	W	W	W	12,326.8	W
November 2018	W	W	W	12,468.9	W
December 2017	W	497.3	W	12,436.8	W
Colorado					
December 2018	216.1	220.4	W	5,442.5	W
November 2018	216.0	220.8	W	5,326.5	W
December 2017	224.8	228.4	W	5,311.0	W
Idaho					
December 2018	W	W	-	1,618.0	-
November 2018	W	W	-	1,574.7	-
December 2017	W	W	-	1,557.9	-
Montana					
December 2018	W	W	-	1,315.8	-
November 2018	W	W	-	1,454.2	-
December 2017	W	W	-	1,260.7	-
Utah					
December 2018	W	W	W	3,063.2	W
November 2018	W	W	W	3,240.2	W
December 2017	W	W	W	3,304.2	W
Wyoming					
December 2018	W	11.1	-	887.4	-
November 2018	W	12.3	-	873.4	-
December 2017	W	11.7	-	1,002.9	-
PAD District 5					
December 2018	5,891.7	5,959.8	19,748.3	33,129.6	2,579.4
November 2018	5,740.5	5,806.7	19,777.4	33,595.0	3,118.5
December 2017	5,451.2	5,521.6	19,966.5	34,911.5	2,449.7
Alaska					
December 2018	W	W	89.3	W	W
November 2018	W	W	W	W	W
December 2017	W	W	97.4	W	W
Arizona					
December 2018	W	W	1,266.8	4,728.2	218.9
November 2018	W	W	W	4,795.7	W
December 2017	W	W	W	4,953.7	W
California					
December 2018	4,488.9	4,489.8	15,042.0	16,945.8	1,739.5
November 2018	4,333.6	4,334.7	15,065.4	17,100.9	1,929.5
December 2017	4,045.5	4,047.0	15,135.9	18,348.4	1,722.6
Hawaii					
December 2018	W	W	W	W	W
November 2018	W	W	W	W	W
December 2017	W	W	W	W	W
Nevada					
December 2018	W	W	W	1,797.6	W
November 2018	W	W	W	1,760.8	W
December 2017	W	W	W	1,869.6	W
Oregon					
December 2018	105.9	105.9	W	3,255.6	W
November 2018	113.7	113.7	W	3,432.0	W
December 2017	113.5	113.5	W	3,348.3	W
Washington					
December 2018	416.2	420.7	W	5,721.8	W
November 2018	406.1	411.4	1,208.3	5,778.8	150.9
December 2017	401.3	406.2	W	5,679.6	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										
December 2018	W	351.4	32,141.1	37,324.6	W	1,389.6	101.3	2,399.8	2,822.3	34,901.0
November 2018	W	347.2	30,896.6	38,140.1	W	1,449.1	95.3	2,677.6	3,653.8	33,611.7
December 2017	W	453.2	28,765.7	43,634.7	W	1,621.4	104.7	2,759.3	3,081.4	39,694.2
PAD District 1										
December 2018	W	101.1	6,504.6	7,047.7	W	513.2	-	44.6	W	8,649.0
November 2018	W	122.8	5,412.6	6,474.5	W	303.7	-	W	W	6,984.8
December 2017	W	108.0	3,940.4	8,629.5	W	530.1	-	W	W	9,349.1
Subdistrict 1A										
December 2018	-	W	169.1	505.3	W	W	-	-	W	1,745.2
November 2018	W	W	212.8	721.9	W	W	-	W	W	1,379.7
December 2017	W	W	178.7	838.5	W	-	-	-	W	1,939.7
Connecticut										
December 2018	-	-	W	W	-	W	-	-	-	W
November 2018	-	-	W	W	-	W	-	-	-	152.9
December 2017	-	-	W	W	-	-	-	-	-	202.4
Maine										
December 2018	-	W	W	W	-	-	-	-	W	527.2
November 2018	W	W	W	W	-	-	-	-	W	436.8
December 2017	W	W	W	W	-	-	-	-	W	575.2
Massachusetts										
December 2018	-	-	W	451.6	W	-	-	-	-	207.7
November 2018	-	-	W	672.5	W	-	-	-	-	175.7
December 2017	-	-	61.4	800.3	W	-	-	-	-	255.5
New Hampshire										
December 2018	-	-	W	W	W	-	-	-	-	227.5
November 2018	-	-	W	W	W	-	-	W	-	W
December 2017	-	-	W	W	W	-	-	-	-	240.7
Rhode Island										
December 2018	-	-	W	W	W	-	-	-	-	W
November 2018	-	-	W	W	W	-	-	-	-	W
December 2017	-	-	W	W	W	-	-	-	-	W
Vermont										
December 2018	-	-	W	W	-	-	-	-	-	481.7
November 2018	-	-	W	W	-	-	-	-	-	380.8
December 2017	-	-	W	W	-	-	-	-	W	W
Subdistrict 1B										
December 2018	-	W	2,571.8	4,756.5	W	413.7	-	W	-	3,193.0
November 2018	-	W	2,513.8	4,037.4	W	205.0	-	W	-	2,599.4
December 2017	W	W	1,745.1	5,866.1	W	425.6	-	W	-	3,240.8
Delaware										
December 2018	-	-	-	-	W	-	-	-	-	141.2
November 2018	-	-	-	-	W	-	-	-	-	186.6
December 2017	-	-	-	-	W	-	-	-	-	203.7
District of Columbia										
December 2018	-	-	-	-	-	-	-	-	-	-
November 2018	-	-	-	-	-	-	-	-	-	-
December 2017	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2018	-	-	W	71.1	-	W	-	-	-	68.2
November 2018	-	-	W	58.7	-	W	-	-	-	50.6
December 2017	-	-	W	W	-	W	-	-	-	136.5
New Jersey										
December 2018	-	W	1,074.1	2,823.3	W	W	-	W	-	303.3
November 2018	-	-	1,002.6	3,396.0	W	W	-	-	-	302.0
December 2017	-	W	550.1	3,702.8	W	274.5	-	-	-	403.9
New York										
December 2018	-	W	1,203.0	65.3	W	W	-	W	-	1,033.0
November 2018	-	W	1,205.9	71.2	W	W	-	W	-	708.4
December 2017	-	W	835.7	W	W	W	-	W	-	912.5
Pennsylvania										
December 2018	-	W	W	1,796.8	5.1	5.1	-	W	-	1,647.3
November 2018	-	W	W	511.5	W	W	-	W	-	1,351.9
December 2017	W	W	W	2,031.4	W	4.5	-	W	-	1,584.3

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C										
December 2018	W	75.8	3,763.7	1,785.9	W	W	-	W	-	3,710.7
November 2018	W	91.4	2,686.1	1,715.2	W	W	-	W	-	3,005.7
December 2017	-	82.7	2,016.6	1,924.9	W	104.5	-	W	-	4,168.6
Florida										
December 2018	-	55.3	2,813.9	1,491.2	W	W	-	-	-	340.4
November 2018	-	67.2	1,723.3	1,338.0	W	-	-	-	-	312.0
December 2017	-	62.3	1,379.0	1,552.6	W	W	-	-	-	433.4
Georgia										
December 2018	W	W	W	52.2	-	W	-	W	-	700.5
November 2018	W	W	W	W	-	W	-	W	-	623.0
December 2017	-	W	W	102.7	-	W	-	W	-	651.9
North Carolina										
December 2018	-	W	W	90.9	W	70.3	-	-	-	1,229.6
November 2018	-	W	W	142.3	W	W	-	-	-	929.5
December 2017	-	W	W	118.7	W	W	-	-	-	1,426.1
South Carolina										
December 2018	-	-	W	58.3	W	W	-	-	-	1,012.3
November 2018	-	-	W	73.6	W	W	-	-	-	781.8
December 2017	-	-	W	61.5	W	W	-	-	-	864.9
Virginia										
December 2018	-	W	463.4	W	-	W	-	-	-	235.1
November 2018	-	W	456.9	W	-	W	-	-	-	W
December 2017	-	W	311.1	W	-	W	-	-	-	352.6
West Virginia										
December 2018	-	-	W	W	W	-	-	-	-	192.9
November 2018	-	-	W	W	W	-	-	-	-	W
December 2017	-	-	W	W	W	-	-	-	-	439.7
PAD District 2										
December 2018	W	69.8	6,321.4	5,092.6	W	W	11.7	1,701.6	W	13,317.5
November 2018	W	66.6	6,139.6	4,998.4	W	W	14.8	1,998.1	W	12,973.4
December 2017	W	67.7	6,117.5	4,758.8	W	W	13.4	2,084.8	W	13,620.3
Illinois										
December 2018	W	W	1,453.8	W	W	W	W	89.7	W	1,874.3
November 2018	W	W	1,532.0	W	W	W	W	80.9	W	1,971.1
December 2017	-	W	1,306.0	W	W	W	W	88.4	W	2,058.4
Indiana										
December 2018	-	-	965.5	283.8	W	15.9	-	W	-	597.4
November 2018	-	-	933.4	255.9	W	21.6	-	W	-	315.1
December 2017	-	-	845.2	263.6	W	25.7	-	W	-	702.7
Iowa										
December 2018	-	-	W	75.9	-	-	-	185.0	W	820.6
November 2018	-	-	W	78.7	-	W	-	215.4	W	1,036.6
December 2017	-	-	10.0	64.3	-	-	-	194.5	W	902.3
Kansas										
December 2018	W	W	W	W	-	W	W	142.4	-	2,978.6
November 2018	W	W	W	W	-	W	W	190.2	-	2,777.5
December 2017	W	W	NA	W	-	W	-	143.2	-	3,003.5
Kentucky										
December 2018	-	W	1,287.4	W	W	W	W	W	-	768.8
November 2018	-	W	1,001.0	W	W	W	W	W	-	689.1
December 2017	-	W	1,135.1	491.0	W	W	W	W	-	785.8
Michigan										
December 2018	W	-	W	546.1	W	W	W	21.7	W	1,040.5
November 2018	W	-	W	628.3	W	W	W	18.8	W	877.8
December 2017	W	-	142.5	452.5	W	W	W	W	W	1,024.3
Minnesota										
December 2018	-	W	W	909.5	W	W	3.0	395.4	W	930.4
November 2018	W	W	W	977.9	W	W	W	448.5	W	1,000.3
December 2017	W	W	W	W	W	W	5.8	469.8	W	925.9
Missouri										
December 2018	W	-	W	W	-	-	W	14.6	W	566.9
November 2018	W	-	W	W	-	-	W	20.2	W	490.5
December 2017	W	-	W	W	-	-	-	12.5	-	543.5

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										
December 2018	W	-	W	W	-	-	W	124.0	-	341.8
November 2018	W	-	W	W	-	-	W	145.8	-	295.1
December 2017	W	-	W	W	-	-	W	171.9	-	338.8
North Dakota										
December 2018	-	-	W	W	NA	W	W	344.0	W	635.0
November 2018	-	-	W	W	W	-	W	411.9	W	850.4
December 2017	-	-	W	W	-	-	W	429.3	W	525.8
Ohio										
December 2018	W	W	320.5	525.7	W	W	-	W	-	880.5
November 2018	W	W	454.3	539.4	W	W	-	W	-	814.4
December 2017	-	-	455.2	601.8	W	W	-	W	-	773.6
Oklahoma										
December 2018	W	-	W	358.8	-	W	-	W	-	345.0
November 2018	W	-	W	397.6	-	W	-	W	W	322.9
December 2017	W	-	W	459.4	-	W	-	74.1	W	324.6
South Dakota										
December 2018	-	-	W	-	-	-	W	112.7	W	252.1
November 2018	-	-	W	-	W	-	W	170.8	W	279.9
December 2017	-	-	W	-	-	-	W	139.0	W	267.2
Tennessee										
December 2018	W	W	W	223.7	W	W	-	-	-	247.5
November 2018	-	W	W	190.3	W	W	-	-	-	223.8
December 2017	W	W	W	168.8	W	W	-	W	-	262.0
Wisconsin										
December 2018	-	-	58.5	5.9	W	W	W	141.3	W	1,038.1
November 2018	-	-	66.9	W	W	W	W	115.0	W	1,029.0
December 2017	-	-	W	W	W	0.9	W	261.1	W	1,181.8
PAD District 3										
December 2018	W	111.7	5,700.7	15,735.0	-	712.3	-	-	2,434.0	9,562.7
November 2018	W	90.5	5,830.3	17,764.7	-	1,004.0	-	W	3,218.6	10,758.6
December 2017	W	W	5,397.1	20,482.3	-	939.5	-	W	2,706.9	13,082.9
Alabama										
December 2018	-	W	73.5	173.9	-	W	-	-	-	462.1
November 2018	-	W	70.0	156.0	-	W	-	-	-	469.4
December 2017	-	-	68.4	60.4	-	W	-	-	-	447.2
Arkansas										
December 2018	-	-	W	W	-	-	-	-	-	W
November 2018	W	-	W	W	-	-	-	-	-	W
December 2017	W	-	W	W	-	-	-	-	-	49.3
Louisiana										
December 2018	W	4.9	597.3	4,983.0	-	W	-	-	666.1	243.0
November 2018	-	4.7	528.7	5,361.6	-	W	-	W	850.3	521.1
December 2017	-	-	774.0	7,344.4	-	W	-	W	744.1	173.5
Mississippi										
December 2018	-	W	W	1,260.7	-	W	-	-	-	598.8
November 2018	-	W	1,186.4	1,644.5	-	W	-	-	-	709.9
December 2017	-	W	822.3	2,086.5	-	W	-	-	-	560.1
New Mexico										
December 2018	W	-	W	W	-	-	-	-	-	W
November 2018	W	-	W	W	-	-	-	-	-	W
December 2017	W	-	W	W	-	-	-	W	-	103.7
Texas										
December 2018	W	W	4,328.5	9,229.4	-	136.8	-	-	1,767.9	8,081.8
November 2018	W	W	3,984.4	10,518.7	-	W	-	-	2,368.3	8,890.4
December 2017	W	W	3,664.0	10,889.4	-	W	-	-	1,962.8	11,749.1

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										
December 2018	W	W	931.3	1,048.3	W	-	W	310.0	W	1,248.8
November 2018	W	W	812.5	991.5	-	-	W	307.8	W	1,114.7
December 2017	W	W	889.0	1,417.2	W	-	W	358.8	W	1,136.7
Colorado										
December 2018	W	-	296.9	666.7	-	-	-	118.3	W	444.6
November 2018	W	-	303.8	660.9	-	-	-	108.1	W	461.2
December 2017	W	-	291.2	W	-	-	-	118.9	W	390.1
Idaho										
December 2018	-	-	W	14.4	W	-	W	12.0	W	69.8
November 2018	-	-	W	15.7	-	-	W	15.3	W	49.6
December 2017	-	-	W	9.9	W	-	W	17.3	W	W
Montana										
December 2018	W	W	W	W	-	-	W	82.4	W	176.4
November 2018	W	W	W	W	-	-	W	90.0	W	144.1
December 2017	-	W	W	W	-	-	W	89.8	W	197.6
Utah										
December 2018	W	W	420.9	285.2	-	-	W	39.1	-	125.7
November 2018	W	W	345.6	252.3	-	-	W	24.3	-	107.9
December 2017	W	W	408.3	275.7	-	-	W	49.0	-	W
Wyoming										
December 2018	-	-	W	W	-	-	W	58.2	-	432.3
November 2018	-	-	W	W	-	-	W	70.1	-	351.8
December 2017	-	-	W	W	-	-	W	83.7	-	375.4
PAD District 5										
December 2018	W	W	12,683.1	8,400.9	-	W	W	343.5	W	2,122.9
November 2018	W	W	12,701.6	7,911.0	-	W	W	357.0	W	1,780.2
December 2017	W	161.8	12,421.7	8,346.9	W	W	W	297.0	W	2,505.2
Alaska										
December 2018	W	-	W	W	-	-	W	W	W	W
November 2018	W	-	W	W	-	-	W	W	W	W
December 2017	W	W	W	W	-	-	W	W	W	W
Arizona										
December 2018	W	W	W	276.1	-	-	-	-	-	280.1
November 2018	W	W	90.8	278.3	-	-	-	-	-	181.7
December 2017	W	W	202.5	243.8	-	-	-	-	-	180.8
California										
December 2018	W	34.3	7,708.5	6,315.3	-	W	-	-	-	1,160.9
November 2018	W	23.6	7,541.7	5,317.5	-	W	-	-	-	1,053.8
December 2017	-	W	7,589.2	6,456.7	-	W	-	-	-	1,552.3
Hawaii										
December 2018	-	W	W	W	-	-	-	-	-	W
November 2018	-	W	W	W	-	-	-	-	-	W
December 2017	-	W	W	W	-	-	-	-	-	W
Nevada										
December 2018	-	-	W	W	-	-	-	-	-	139.3
November 2018	-	-	W	W	-	-	-	-	-	121.9
December 2017	-	-	W	W	-	-	W	-	-	105.6
Oregon										
December 2018	-	7.0	468.3	62.0	-	-	-	W	W	W
November 2018	-	11.2	460.9	W	-	-	-	W	W	W
December 2017	-	8.2	W	59.1	-	-	-	NA	W	W
Washington										
December 2018	-	W	1,762.9	457.0	-	-	W	17.5	W	363.4
November 2018	-	W	1,692.9	884.8	-	-	W	W	W	293.2
December 2017	-	W	1,731.5	294.3	W	-	W	W	W	556.8

- = 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						
December 2018	12,248.1	151,031.7	W	W	W	W
November 2018	12,785.0	154,013.7	W	W	W	W
December 2017	11,155.1	142,355.2	W	W	W	W
PAD District 1						
December 2018	W	31,091.6	-	W	-	W
November 2018	W	34,844.4	-	W	-	W
December 2017	W	28,216.7	-	W	-	W
Subdistrict 1A						
December 2018	W	1,171.8	-	-	-	-
November 2018	W	1,394.9	-	-	-	-
December 2017	W	W	-	-	-	-
Connecticut						
December 2018	W	550.7	-	-	-	-
November 2018	W	587.1	-	-	-	-
December 2017	W	W	-	-	-	-
Maine						
December 2018	-	W	-	-	-	-
November 2018	-	W	-	-	-	-
December 2017	-	W	-	-	-	-
Massachusetts						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
New Hampshire						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
Rhode Island						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
Vermont						
December 2018	-	W	-	-	-	-
November 2018	-	W	-	-	-	-
December 2017	W	W	-	-	-	-
Subdistrict 1B						
December 2018	W	16,144.2	-	W	-	W
November 2018	W	18,169.6	-	W	-	W
December 2017	W	W	-	W	-	W
Delaware						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
District of Columbia						
December 2018	-	W	-	-	-	-
November 2018	-	W	-	-	-	-
December 2017	-	W	-	-	-	-
Maryland						
December 2018	-	W	-	-	-	W
November 2018	W	W	-	-	-	W
December 2017	-	W	-	-	-	W
New Jersey						
December 2018	179.5	W	-	W	-	-
November 2018	W	9,421.5	-	W	-	W
December 2017	160.6	W	-	W	-	-
New York						
December 2018	182.5	W	-	-	-	W
November 2018	196.4	W	-	-	-	W
December 2017	W	W	-	-	-	W
Pennsylvania						
December 2018	W	5,385.9	-	-	-	-
November 2018	W	5,681.2	-	-	-	-
December 2017	W	5,728.8	-	-	-	-

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						
December 2018	836.1	13,775.5	-	-	-	-
November 2018	W	15,280.0	-	-	-	-
December 2017	762.6	W	-	-	-	-
Florida						
December 2018	250.2	4,481.5	-	-	-	-
November 2018	W	4,584.5	-	-	-	-
December 2017	270.6	4,366.0	-	-	-	-
Georgia						
December 2018	80.6	2,323.1	-	-	-	-
November 2018	70.3	W	-	-	-	-
December 2017	76.7	2,202.7	-	-	-	-
North Carolina						
December 2018	342.1	W	-	-	-	-
November 2018	373.7	W	-	-	-	-
December 2017	248.8	W	-	-	-	-
South Carolina						
December 2018	44.7	1,435.3	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
Virginia						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	12.8	W	-	-	-	-
West Virginia						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
PAD District 2						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
Illinois						
December 2018	307.9	7,108.9	-	-	-	-
November 2018	346.2	6,667.5	-	-	-	-
December 2017	W	5,852.0	-	-	-	-
Indiana						
December 2018	W	3,786.6	-	-	-	-
November 2018	W	3,778.4	-	-	-	-
December 2017	W	3,478.4	-	-	-	-
Iowa						
December 2018	23.3	1,821.1	-	-	-	-
November 2018	26.6	2,261.4	-	-	-	-
December 2017	23.8	1,845.3	-	-	-	-
Kansas						
December 2018	W	3,124.4	-	-	-	-
November 2018	484.0	3,374.4	-	-	-	-
December 2017	513.6	2,769.6	-	-	-	-
Kentucky						
December 2018	490.2	1,628.6	-	-	-	-
November 2018	483.0	1,818.3	-	-	-	-
December 2017	W	1,790.5	-	-	-	-
Michigan						
December 2018	226.0	W	-	-	-	-
November 2018	243.7	W	-	-	-	-
December 2017	W	W	-	-	-	-
Minnesota						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
Missouri						
December 2018	W	1,480.9	-	-	-	-
November 2018	W	1,606.3	-	-	-	-
December 2017	2.0	1,729.0	-	-	-	-

See footnotes at end of table.

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

thousand gallons per day

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						
December 2018	W	1,142.9	-	-	-	-
November 2018	W	1,417.1	-	-	-	-
December 2017	W	1,328.8	-	-	-	-
North Dakota						
December 2018	W	1,145.3	-	-	-	-
November 2018	W	1,190.3	-	-	-	-
December 2017	W	863.1	-	-	-	-
Ohio						
December 2018	678.3	5,372.0	-	-	-	-
November 2018	683.7	5,211.0	-	-	-	-
December 2017	W	4,653.0	-	-	-	-
Oklahoma						
December 2018	W	6,795.9	-	-	-	-
November 2018	W	5,988.3	-	-	-	-
December 2017	394.0	6,644.1	-	-	-	-
South Dakota						
December 2018	W	W	-	-	-	-
November 2018	W	614.0	-	-	-	-
December 2017	W	480.7	-	-	-	-
Tennessee						
December 2018	629.3	3,289.3	-	-	-	-
November 2018	352.2	3,644.7	-	-	-	-
December 2017	260.4	3,074.1	-	-	-	-
Wisconsin						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
PAD District 3						
December 2018	2,835.8	51,262.4	-	-	-	817.6
November 2018	3,118.3	47,974.2	-	-	-	858.4
December 2017	W	48,381.2	W	W	-	W
Alabama						
December 2018	126.2	1,546.6	-	-	-	-
November 2018	125.2	1,754.5	-	-	-	-
December 2017	149.9	1,297.6	-	-	-	-
Arkansas						
December 2018	W	1,292.8	-	-	-	-
November 2018	W	1,296.2	-	-	-	-
December 2017	W	1,371.5	-	-	-	-
Louisiana						
December 2018	222.9	W	-	-	-	W
November 2018	245.6	W	-	-	-	W
December 2017	163.7	W	-	W	-	336.7
Mississippi						
December 2018	44.7	W	-	-	-	-
November 2018	34.3	W	-	-	-	-
December 2017	42.3	W	-	-	-	-
New Mexico						
December 2018	312.7	1,093.8	-	-	-	-
November 2018	426.8	1,265.9	-	-	-	-
December 2017	323.1	1,161.0	-	-	-	-
Texas						
December 2018	W	W	-	-	-	W
November 2018	W	W	-	-	-	W
December 2017	1,605.3	33,159.4	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						
December 2018	W	6,223.1	-	-	-	-
November 2018	W	6,188.3	-	-	-	-
December 2017	W	6,020.6	-	-	-	-
Colorado						
December 2018	179.0	1,860.0	-	-	-	-
November 2018	213.6	2,011.5	-	-	-	-
December 2017	208.2	1,913.2	-	-	-	-
Idaho						
December 2018	W	921.4	-	-	-	-
November 2018	W	678.1	-	-	-	-
December 2017	W	669.4	-	-	-	-
Montana						
December 2018	W	878.1	-	-	-	-
November 2018	W	993.1	-	-	-	-
December 2017	W	867.9	-	-	-	-
Utah						
December 2018	W	1,576.4	-	-	-	-
November 2018	W	1,343.3	-	-	-	-
December 2017	312.8	1,715.5	-	-	-	-
Wyoming						
December 2018	320.3	987.2	-	-	-	-
November 2018	326.2	1,162.4	-	-	-	-
December 2017	393.1	854.6	-	-	-	-
PAD District 5						
December 2018	W	W	W	-	W	W
November 2018	W	W	W	-	W	W
December 2017	W	W	W	-	W	W
Alaska						
December 2018	W	W	-	-	-	-
November 2018	W	W	-	-	-	-
December 2017	W	W	-	-	-	-
Arizona						
December 2018	438.1	836.6	-	-	-	-
November 2018	460.1	953.7	-	-	-	-
December 2017	386.1	1,123.3	-	-	-	-
California						
December 2018	1,239.2	W	-	-	-	W
November 2018	1,219.5	W	-	-	-	W
December 2017	1,148.7	W	-	-	-	W
Hawaii						
December 2018	W	W	W	-	W	W
November 2018	W	W	W	-	W	W
December 2017	W	W	W	-	W	W
Nevada						
December 2018	W	406.1	-	-	-	-
November 2018	W	563.0	-	-	-	-
December 2017	W	502.4	-	-	-	-
Oregon						
December 2018	5.5	1,948.0	-	-	-	-
November 2018	8.5	2,115.2	-	-	-	-
December 2017	6.7	2,008.9	-	-	-	-
Washington						
December 2018	W	3,666.3	-	-	-	-
November 2018	W	3,873.1	-	-	-	-
December 2017	W	3,322.7	-	-	-	-

- = 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				
December 2018	106.8	17,147.9	12,615.5	169,465.8
November 2018	160.5	12,856.8	13,300.7	168,116.6
December 2017	108.5	14,498.6	11,500.3	161,592.3
PAD District 1				
December 2018	W	11,483.0	1,463.9	42,679.2
November 2018	W	9,620.9	1,617.4	44,576.7
December 2017	W	8,824.7	1,449.1	37,635.0
Subdistrict 1A				
December 2018	-	2,798.9	W	3,970.8
November 2018	-	2,074.2	W	3,469.1
December 2017	-	W	W	1,957.6
Connecticut				
December 2018	-	1,586.8	W	2,137.5
November 2018	-	971.1	W	1,558.3
December 2017	-	W	W	387.0
Maine				
December 2018	-	W	-	W
November 2018	-	W	-	W
December 2017	-	W	-	W
Massachusetts				
December 2018	-	W	W	618.0
November 2018	-	W	W	552.4
December 2017	-	W	W	634.1
New Hampshire				
December 2018	-	W	W	W
November 2018	-	W	W	W
December 2017	-	W	W	W
Rhode Island				
December 2018	-	W	W	579.6
November 2018	-	W	W	NA
December 2017	-	W	W	313.8
Vermont				
December 2018	-	W	-	W
November 2018	-	W	-	W
December 2017	-	W	W	W
Subdistrict 1B				
December 2018	W	8,586.0	W	24,834.8
November 2018	W	7,066.2	W	25,347.0
December 2017	W	7,695.7	W	22,285.6
Delaware				
December 2018	-	W	W	W
November 2018	-	W	W	W
December 2017	-	W	W	W
District of Columbia				
December 2018	-	-	-	W
November 2018	-	-	-	W
December 2017	-	-	-	W
Maryland				
December 2018	W	W	W	1,537.2
November 2018	W	W	W	1,579.3
December 2017	-	W	-	1,498.3
New Jersey				
December 2018	-	5,629.0	179.5	12,780.0
November 2018	W	4,848.9	212.7	14,314.1
December 2017	-	3,560.5	160.6	10,022.2
New York				
December 2018	-	1,706.2	182.5	3,154.6
November 2018	-	970.8	196.4	2,066.8
December 2017	W	812.7	183.8	1,875.2
Pennsylvania				
December 2018	W	835.4	235.9	6,221.3
November 2018	W	831.6	249.3	6,512.8
December 2017	W	NA	313.9	8,305.7

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				
December 2018	-	98.1	836.1	13,873.6
November 2018	W	480.6	913.5	15,760.6
December 2017	-	W	762.6	13,391.9
Florida				
December 2018	-	-	250.2	4,481.5
November 2018	W	-	319.6	4,584.5
December 2017	-	-	270.6	4,366.0
Georgia				
December 2018	-	-	80.6	2,323.1
November 2018	-	W	70.3	2,728.7
December 2017	-	-	76.7	2,202.7
North Carolina				
December 2018	-	W	342.1	2,568.0
November 2018	-	W	373.7	3,162.6
December 2017	-	W	248.8	2,611.7
South Carolina				
December 2018	-	-	44.7	1,435.3
November 2018	-	W	W	1,765.9
December 2017	-	W	W	1,194.3
Virginia				
December 2018	-	W	W	2,378.4
November 2018	-	W	W	2,711.9
December 2017	-	W	12.8	2,411.3
West Virginia				
December 2018	-	W	W	687.3
November 2018	-	W	W	806.9
December 2017	-	W	W	605.9
PAD District 2				
December 2018	W	W	4,689.3	43,807.5
November 2018	W	W	4,612.8	45,015.7
December 2017	W	W	4,127.0	41,024.8
Illinois				
December 2018	-	-	307.9	7,108.9
November 2018	-	-	346.2	6,667.5
December 2017	-	-	W	5,852.0
Indiana				
December 2018	-	-	W	3,786.6
November 2018	-	-	W	3,778.4
December 2017	-	-	W	3,478.4
Iowa				
December 2018	-	-	23.3	1,821.1
November 2018	-	-	26.6	2,261.4
December 2017	-	-	23.8	1,845.3
Kansas				
December 2018	-	-	W	3,124.4
November 2018	-	-	484.0	3,374.4
December 2017	-	-	513.6	2,769.6
Kentucky				
December 2018	-	-	490.2	1,628.6
November 2018	-	-	483.0	1,818.3
December 2017	-	-	W	1,790.5
Michigan				
December 2018	-	W	226.0	2,405.3
November 2018	-	W	243.7	2,619.7
December 2017	-	W	W	2,519.4
Minnesota				
December 2018	W	W	273.4	2,228.6
November 2018	W	W	313.9	2,623.7
December 2017	W	W	266.5	1,836.4
Missouri				
December 2018	-	-	W	1,480.9
November 2018	-	-	W	1,606.3
December 2017	-	-	2.0	1,729.0

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				
December 2018	-	-	W	1,142.9
November 2018	-	-	W	1,417.1
December 2017	-	-	W	1,328.8
North Dakota				
December 2018	W	-	W	1,145.3
November 2018	W	-	W	1,190.3
December 2017	W	-	W	863.1
Ohio				
December 2018	-	-	678.3	5,372.0
November 2018	-	-	683.7	5,211.0
December 2017	-	-	W	4,653.0
Oklahoma				
December 2018	-	-	W	6,795.9
November 2018	-	-	W	5,988.3
December 2017	-	-	394.0	6,644.1
South Dakota				
December 2018	W	W	W	436.1
November 2018	W	-	W	614.0
December 2017	W	-	W	480.7
Tennessee				
December 2018	-	-	629.3	3,289.3
November 2018	-	-	352.2	3,644.7
December 2017	-	-	260.4	3,074.1
Wisconsin				
December 2018	W	W	55.5	2,041.7
November 2018	W	W	64.6	2,200.6
December 2017	W	W	39.9	2,160.5
PAD District 3				
December 2018	-	5,557.8	2,835.8	57,637.7
November 2018	-	3,130.2	3,118.3	51,962.8
December 2017	-	5,477.5	2,377.0	57,617.3
Alabama				
December 2018	-	-	126.2	1,546.6
November 2018	-	-	125.2	1,754.5
December 2017	-	-	149.9	1,297.6
Arkansas				
December 2018	-	-	W	1,292.8
November 2018	-	-	W	1,296.2
December 2017	-	-	W	1,371.5
Louisiana				
December 2018	-	W	222.9	15,496.1
November 2018	-	W	245.6	10,193.3
December 2017	-	W	163.7	15,505.4
Mississippi				
December 2018	-	W	W	2,473.9
November 2018	-	W	W	2,188.0
December 2017	-	W	W	2,113.8
New Mexico				
December 2018	-	-	312.7	1,093.8
November 2018	-	-	426.8	1,265.9
December 2017	-	-	323.1	1,161.0
Texas				
December 2018	-	2,455.7	2,011.9	35,734.5
November 2018	-	1,674.4	2,186.1	35,264.8
December 2017	-	2,909.1	1,608.0	36,168.1

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4				
December 2018	W	-	1,007.5	6,223.1
November 2018	W	-	1,196.7	6,188.3
December 2017	W	-	1,156.3	6,020.6
Colorado				
December 2018	-	-	179.0	1,860.0
November 2018	-	-	213.6	2,011.5
December 2017	-	-	208.2	1,913.2
Idaho				
December 2018	W	-	W	921.4
November 2018	W	-	W	678.1
December 2017	W	-	W	669.4
Montana				
December 2018	-	-	W	878.1
November 2018	-	-	W	993.1
December 2017	-	-	W	867.9
Utah				
December 2018	W	-	291.1	1,576.4
November 2018	W	-	435.9	1,343.3
December 2017	-	-	312.8	1,715.5
Wyoming				
December 2018	-	-	320.3	987.2
November 2018	-	-	326.2	1,162.4
December 2017	-	-	393.1	854.6
PAD District 5				
December 2018	W	W	2,619.1	19,118.3
November 2018	W	W	2,755.6	20,373.2
December 2017	W	W	2,390.9	19,294.5
Alaska				
December 2018	W	W	W	W
November 2018	W	W	W	W
December 2017	W	W	W	W
Arizona				
December 2018	-	-	438.1	836.6
November 2018	-	-	460.1	953.7
December 2017	-	-	386.1	1,123.3
California				
December 2018	-	-	1,239.2	11,924.3
November 2018	-	-	1,219.5	12,528.3
December 2017	-	-	1,148.7	11,961.6
Hawaii				
December 2018	-	-	W	W
November 2018	-	-	W	W
December 2017	-	-	W	W
Nevada				
December 2018	W	-	W	406.1
November 2018	W	-	W	563.0
December 2017	W	-	124.1	502.4
Oregon				
December 2018	-	-	5.5	1,948.0
November 2018	-	-	8.5	2,115.2
December 2017	-	-	6.7	2,008.9
Washington				
December 2018	W	-	247.4	3,666.3
November 2018	W	-	245.3	3,873.1
December 2017	W	-	247.1	3,322.7

- = 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								
December 2018	W	491.2	W	6,827.7	3,540.6	7,319.0	-	W
November 2018	W	206.1	W	6,459.6	3,360.9	6,665.8	-	W
December 2017	W	349.8	W	7,738.1	4,573.4	8,087.9	-	W
PAD District 1								
December 2018	W	W	W	W	W	2,626.8	-	-
November 2018	W	W	W	W	W	2,130.1	-	-
December 2017	W	W	W	W	W	1,452.7	-	-
Subdistrict 1A								
December 2018	-	-	-	-	-	-	-	-
November 2018	-	-	-	-	-	-	-	-
December 2017	-	-	-	-	-	-	-	-
Subdistrict 1B								
December 2018	W	W	W	W	W	2,626.8	-	-
November 2018	W	W	W	W	W	2,130.1	-	-
December 2017	W	W	W	W	W	W	-	-
Subdistrict 1C								
December 2018	-	-	-	-	-	-	-	-
November 2018	-	-	-	-	-	-	-	-
December 2017	-	-	W	W	W	W	-	-
PAD District 2								
December 2018	-	-	W	W	W	W	-	-
November 2018	-	-	W	W	W	W	-	-
December 2017	-	-	W	W	W	W	-	W
PAD District 3								
December 2018	-	W	405.6	W	405.6	3,217.5	-	W
November 2018	-	W	685.9	W	685.9	3,561.3	-	W
December 2017	-	W	875.0	W	875.0	5,372.3	-	W
PAD District 4								
December 2018	-	-	-	W	-	W	-	-
November 2018	-	-	-	W	-	W	-	-
December 2017	-	-	-	W	-	W	-	-
PAD District 5								
December 2018	W	W	W	W	2,806.0	1,370.5	-	-
November 2018	W	W	W	W	2,405.0	W	-	-
December 2017	W	W	W	W	3,258.3	1,115.9	-	-

- = 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						
December 2018	214,127.6	102,925.5	317,053.1	3,428.9	2,182.6	5,611.5
November 2018	221,044.9	104,471.8	325,516.7	3,577.2	2,224.6	5,801.8
December 2017	218,342.1	102,018.3	320,360.4	3,902.0	2,365.7	6,267.7
PAD District 1						
December 2018	64,469.9	40,474.1	104,944.0	1,234.7	812.8	2,047.5
November 2018	66,397.8	40,756.9	107,154.8	1,320.3	837.4	2,157.7
December 2017	64,380.6	40,038.0	104,418.6	1,360.0	905.9	2,265.9
Subdistrict 1A						
December 2018	1,699.0	12,785.9	14,485.0	12.0	283.1	295.0
November 2018	1,713.9	12,848.2	14,562.1	15.2	286.2	301.5
December 2017	1,777.0	12,913.3	14,690.3	13.9	299.2	313.1
Connecticut						
December 2018	-	3,596.7	3,596.7	-	NA	NA
November 2018	-	3,612.1	3,612.1	-	75.9	75.9
December 2017	-	3,644.5	3,644.5	-	82.8	82.8
Maine						
December 2018	671.8	1,076.9	1,748.8	4.7	14.6	19.4
November 2018	692.7	1,080.2	1,772.9	5.0	14.9	19.9
December 2017	675.5	1,113.6	1,789.2	2.4	15.4	17.7
Massachusetts						
December 2018	-	5,480.4	5,480.4	-	142.6	142.6
November 2018	-	5,543.1	5,543.1	-	144.8	144.8
December 2017	-	5,526.1	5,526.1	-	148.1	148.1
New Hampshire						
December 2018	282.4	1,119.8	1,402.2	1.6	20.5	22.1
November 2018	278.1	1,111.9	1,390.0	2.4	21.1	23.5
December 2017	314.2	1,033.9	1,348.1	2.2	20.6	22.8
Rhode Island						
December 2018	-	1,512.2	1,512.2	-	30.6	30.6
November 2018	-	1,500.8	1,500.8	-	29.5	29.5
December 2017	-	1,595.2	1,595.2	-	32.3	32.3
Vermont						
December 2018	744.8	-	744.8	5.6	-	5.6
November 2018	743.1	-	743.1	7.9	-	7.9
December 2017	787.3	-	787.3	9.3	-	9.3
Subdistrict 1B						
December 2018	12,581.0	23,524.0	36,105.0	119.0	459.5	578.5
November 2018	12,599.3	23,709.2	36,308.5	128.7	479.0	607.7
December 2017	11,949.4	23,173.1	35,122.5	167.2	498.4	665.6
Delaware						
December 2018	-	1,104.3	1,104.3	-	7.0	7.0
November 2018	-	1,163.2	1,163.2	-	8.2	8.2
December 2017	-	1,128.8	1,128.8	-	9.4	9.4
District of Columbia						
December 2018	-	148.4	148.4	-	2.7	2.7
November 2018	-	155.9	155.9	-	3.0	3.0
December 2017	-	148.0	148.0	-	4.9	4.9
Maryland						
December 2018	480.7	4,220.8	4,701.5	3.1	54.6	57.7
November 2018	516.4	4,251.4	4,767.8	4.0	55.6	59.6
December 2017	521.9	3,810.0	4,332.0	4.8	52.4	57.3
New Jersey						
December 2018	-	8,778.9	8,778.9	-	126.7	126.7
November 2018	-	8,738.2	8,738.2	-	129.0	129.0
December 2017	-	8,642.0	8,642.0	-	133.5	133.5
New York						
December 2018	5,807.3	6,947.5	12,754.8	63.5	244.6	308.2
November 2018	6,005.5	6,983.4	12,988.9	71.4	257.9	329.3
December 2017	5,323.8	7,212.6	12,536.4	75.8	251.5	327.3
Pennsylvania						
December 2018	6,293.0	2,324.2	8,617.2	52.4	23.9	76.3
November 2018	6,077.4	2,417.0	8,494.5	53.3	25.3	78.6
December 2017	6,103.6	2,231.7	8,335.3	86.5	46.6	133.2

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
United States						
December 2018	21,805.1	19,345.0	41,150.2	239,361.6	124,453.2	363,814.8
November 2018	22,327.3	19,211.5	41,538.7	246,949.4	125,907.8	372,857.2
December 2017	22,159.4	18,985.2	41,144.6	244,403.5	123,369.2	367,772.7
PAD District 1						
December 2018	6,861.0	6,657.0	13,518.0	72,565.6	47,943.8	120,509.5
November 2018	7,121.6	6,676.0	13,797.6	74,839.7	48,270.3	123,110.0
December 2017	6,942.5	6,419.2	13,361.7	72,683.2	47,363.1	120,046.3
Subdistrict 1A						
December 2018	101.3	1,726.8	1,828.2	1,812.3	14,795.8	16,608.2
November 2018	100.2	1,706.1	1,806.3	1,829.3	14,840.5	16,669.8
December 2017	118.6	1,647.5	1,766.1	1,909.5	14,859.9	16,769.5
Connecticut						
December 2018	-	555.4	555.4	-	4,226.8	4,226.8
November 2018	-	539.6	539.6	-	4,227.6	4,227.6
December 2017	-	543.6	543.6	-	4,270.9	4,270.9
Maine						
December 2018	30.4	79.3	109.7	707.0	1,170.8	1,877.8
November 2018	32.8	78.7	111.5	730.5	1,173.8	1,904.4
December 2017	34.9	81.3	116.2	712.8	1,210.3	1,923.1
Massachusetts						
December 2018	-	764.1	764.1	-	6,387.0	6,387.0
November 2018	-	771.9	771.9	-	6,459.8	6,459.8
December 2017	-	713.2	713.2	-	6,387.4	6,387.4
New Hampshire						
December 2018	11.7	117.5	129.2	295.7	1,257.8	1,553.5
November 2018	10.9	111.3	122.2	291.4	1,244.3	1,535.7
December 2017	23.1	93.8	116.8	339.4	1,148.3	1,487.7
Rhode Island						
December 2018	-	210.6	210.6	-	1,753.4	1,753.4
November 2018	-	204.6	204.6	-	1,735.0	1,735.0
December 2017	-	215.5	215.5	-	1,843.0	1,843.0
Vermont						
December 2018	59.3	-	59.3	809.7	-	809.7
November 2018	56.5	-	56.5	807.4	-	807.4
December 2017	60.7	-	60.7	857.3	-	857.3
Subdistrict 1B						
December 2018	939.2	4,171.4	5,110.6	13,639.3	28,154.8	41,794.1
November 2018	995.4	4,191.3	5,186.7	13,723.4	28,379.5	42,102.9
December 2017	962.5	4,081.5	5,044.0	13,079.1	27,753.0	40,832.1
Delaware						
December 2018	-	127.6	127.6	-	1,238.8	1,238.8
November 2018	-	131.2	131.2	-	1,302.6	1,302.6
December 2017	-	120.9	120.9	-	1,259.2	1,259.2
District of Columbia						
December 2018	-	32.7	32.7	-	183.7	183.7
November 2018	-	34.6	34.6	-	193.5	193.5
December 2017	-	32.6	32.6	-	185.5	185.5
Maryland						
December 2018	34.6	716.5	751.2	518.5	4,991.9	5,510.4
November 2018	37.8	732.7	770.5	558.2	5,039.7	5,597.9
December 2017	42.0	632.5	674.4	568.7	4,494.9	5,063.6
New Jersey						
December 2018	-	1,319.3	1,319.3	-	10,224.9	10,224.9
November 2018	-	1,315.4	1,315.4	-	10,182.6	10,182.6
December 2017	-	1,366.8	1,366.8	-	10,142.4	10,142.4
New York						
December 2018	432.8	1,620.0	2,052.8	6,303.7	8,812.1	15,115.7
November 2018	465.1	1,610.0	2,075.1	6,542.0	8,851.2	15,393.2
December 2017	427.2	1,613.5	2,040.7	5,826.8	9,077.6	14,904.4
Pennsylvania						
December 2018	471.8	355.3	827.1	6,817.2	2,703.5	9,520.6
November 2018	492.5	367.4	859.9	6,623.2	2,809.8	9,433.0
December 2017	493.3	315.1	808.5	6,683.5	2,593.5	9,277.0

See footnotes at end of table.

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

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
December 2018	50,189.9	4,164.2	54,354.1	1,103.7	70.3	1,173.9
November 2018	52,084.6	4,199.5	56,284.2	1,176.3	72.2	1,248.5
December 2017	50,654.2	3,951.6	54,605.8	1,179.0	108.3	1,287.3
Florida						
December 2018	17,023.9	-	17,023.9	285.2	-	285.2
November 2018	17,484.0	-	17,484.0	315.1	-	315.1
December 2017	16,824.1	-	16,824.1	314.9	-	314.9
Georgia						
December 2018	11,444.0	-	11,444.0	321.7	-	321.7
November 2018	11,708.1	-	11,708.1	333.7	-	333.7
December 2017	11,615.8	-	11,615.8	332.0	-	332.0
North Carolina						
December 2018	10,251.8	-	10,251.8	257.4	-	257.4
November 2018	10,666.5	-	10,666.5	268.9	-	268.9
December 2017	10,586.8	-	10,586.8	261.1	-	261.1
South Carolina						
December 2018	6,116.4	-	6,116.4	162.8	-	162.8
November 2018	6,421.2	-	6,421.2	176.2	-	176.2
December 2017	6,072.9	-	6,072.9	170.3	-	170.3
Virginia						
December 2018	3,581.5	4,164.2	7,745.6	60.0	70.3	130.2
November 2018	3,780.1	4,199.5	7,979.6	64.5	72.2	136.7
December 2017	3,706.7	3,951.6	7,658.3	73.5	108.3	181.8
West Virginia						
December 2018	1,772.3	-	1,772.3	16.6	-	16.6
November 2018	2,024.7	-	2,024.7	17.9	-	17.9
December 2017	1,847.8	-	1,847.8	27.2	-	27.2
PAD District 2						
December 2018	76,436.5	13,210.5	89,646.9	1,082.3	180.5	1,262.8
November 2018	79,641.5	13,721.2	93,362.8	1,121.8	188.0	1,309.7
December 2017	77,982.7	13,767.1	91,749.8	1,196.9	199.1	1,396.0
Illinois						
December 2018	4,227.4	7,179.4	11,406.8	58.1	86.2	144.3
November 2018	4,382.4	7,464.1	11,846.5	61.5	89.7	151.2
December 2017	4,269.5	7,363.5	11,633.0	69.4	94.8	164.2
Indiana						
December 2018	6,444.3	987.1	7,431.4	78.2	21.7	99.9
November 2018	6,838.5	1,022.7	7,861.2	84.5	22.5	107.0
December 2017	6,673.1	1,032.7	7,705.8	87.5	22.1	109.6
Iowa						
December 2018	2,777.8	-	2,777.8	80.4	-	80.4
November 2018	2,795.7	-	2,795.7	91.9	-	91.9
December 2017	2,785.3	-	2,785.3	92.0	-	92.0
Kansas						
December 2018	3,919.5	-	3,919.5	51.0	-	51.0
November 2018	4,015.9	-	4,015.9	54.5	-	54.5
December 2017	4,150.3	-	4,150.3	56.0	-	56.0
Kentucky						
December 2018	4,303.0	811.5	5,114.5	56.9	15.0	71.9
November 2018	4,462.6	838.0	5,300.6	60.0	16.4	76.4
December 2017	3,932.5	1,106.8	5,039.3	56.7	17.0	73.7
Michigan						
December 2018	11,551.0	-	11,551.0	88.1	-	88.1
November 2018	12,149.8	-	12,149.8	76.5	-	76.5
December 2017	11,682.5	-	11,682.5	74.5	-	74.5
Minnesota						
December 2018	5,361.2	-	5,361.2	103.2	-	103.2
November 2018	5,486.3	-	5,486.3	102.0	-	102.0
December 2017	5,622.9	-	5,622.9	135.3	-	135.3
Missouri						
December 2018	4,682.0	2,306.0	6,987.9	75.3	39.1	114.4
November 2018	4,840.6	2,433.5	7,274.1	75.6	41.1	116.7
December 2017	4,849.3	2,239.0	7,088.3	85.0	43.0	128.0

See footnotes at end of table.

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

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
December 2018	5,820.5	758.7	6,579.2	57,114.0	4,993.2	62,107.2
November 2018	6,026.0	778.6	6,804.6	59,286.9	5,050.3	64,337.3
December 2017	5,861.4	690.2	6,551.6	57,694.6	4,750.1	62,444.7
Florida						
December 2018	2,305.6	-	2,305.6	19,614.7	-	19,614.7
November 2018	2,334.0	-	2,334.0	20,133.0	-	20,133.0
December 2017	2,320.9	-	2,320.9	19,459.8	-	19,459.8
Georgia						
December 2018	1,406.3	-	1,406.3	13,172.0	-	13,172.0
November 2018	1,455.4	-	1,455.4	13,497.2	-	13,497.2
December 2017	1,418.5	-	1,418.5	13,366.3	-	13,366.3
North Carolina						
December 2018	1,123.4	-	1,123.4	11,632.5	-	11,632.5
November 2018	1,183.9	-	1,183.9	12,119.2	-	12,119.2
December 2017	1,150.4	-	1,150.4	11,998.3	-	11,998.3
South Carolina						
December 2018	609.6	-	609.6	6,888.9	-	6,888.9
November 2018	647.7	-	647.7	7,245.1	-	7,245.1
December 2017	581.1	-	581.1	6,824.3	-	6,824.3
Virginia						
December 2018	283.3	758.7	1,042.0	3,924.7	4,993.2	8,917.9
November 2018	304.4	778.6	1,083.0	4,149.1	5,050.3	9,199.4
December 2017	302.2	690.2	992.4	4,082.4	4,750.1	8,832.5
West Virginia						
December 2018	92.2	-	92.2	1,881.2	-	1,881.2
November 2018	100.6	-	100.6	2,143.2	-	2,143.2
December 2017	88.4	-	88.4	1,963.4	-	1,963.4
PAD District 2						
December 2018	5,647.5	1,588.6	7,236.1	83,166.3	14,979.6	98,145.8
November 2018	5,953.6	1,596.1	7,549.7	86,716.9	15,505.3	102,222.2
December 2017	5,746.3	1,541.1	7,287.4	84,925.9	15,507.3	100,433.2
Illinois						
December 2018	220.3	967.1	1,187.4	4,505.7	8,232.7	12,738.4
November 2018	230.8	960.1	1,190.8	4,674.6	8,513.9	13,188.5
December 2017	202.5	977.6	1,180.1	4,541.4	8,435.9	12,977.3
Indiana						
December 2018	407.5	92.4	499.9	6,930.0	1,101.2	8,031.2
November 2018	426.9	97.0	523.9	7,350.0	1,142.1	8,492.1
December 2017	402.7	102.8	505.5	7,163.3	1,157.6	8,320.9
Iowa						
December 2018	263.5	-	263.5	3,121.7	-	3,121.7
November 2018	323.3	-	323.3	3,210.9	-	3,210.9
December 2017	300.3	-	300.3	3,177.6	-	3,177.6
Kansas						
December 2018	323.0	-	323.0	4,293.5	-	4,293.5
November 2018	335.0	-	335.0	4,405.4	-	4,405.4
December 2017	312.3	-	312.3	4,518.6	-	4,518.6
Kentucky						
December 2018	231.5	78.4	309.8	4,591.4	904.9	5,496.3
November 2018	248.5	77.5	326.0	4,771.2	931.9	5,703.0
December 2017	220.6	93.7	314.3	4,209.8	1,217.5	5,427.3
Michigan						
December 2018	635.7	-	635.7	12,274.8	-	12,274.8
November 2018	666.6	-	666.6	12,892.9	-	12,892.9
December 2017	646.1	-	646.1	12,403.0	-	12,403.0
Minnesota						
December 2018	479.3	-	479.3	5,943.7	-	5,943.7
November 2018	508.2	-	508.2	6,096.5	-	6,096.5
December 2017	461.9	-	461.9	6,220.1	-	6,220.1
Missouri						
December 2018	342.4	288.3	630.7	5,099.6	2,633.4	7,733.0
November 2018	350.8	299.7	650.5	5,267.0	2,774.3	8,041.3
December 2017	338.0	199.1	537.1	5,272.3	2,481.1	7,753.4

See footnotes at end of table.

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

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
December 2018	1,893.4	-	1,893.4	42.1	-	42.1
November 2018	2,040.4	-	2,040.4	41.0	-	41.0
December 2017	1,913.4	-	1,913.4	41.2	-	41.2
North Dakota						
December 2018	891.5	-	891.5	22.4	-	22.4
November 2018	981.5	-	981.5	23.2	-	23.2
December 2017	888.5	-	888.5	24.0	-	24.0
Ohio						
December 2018	12,258.4	-	12,258.4	146.8	-	146.8
November 2018	12,474.2	-	12,474.2	151.3	-	151.3
December 2017	12,241.7	-	12,241.7	157.7	-	157.7
Oklahoma						
December 2018	4,882.8	-	4,882.8	62.2	-	62.2
November 2018	5,127.4	-	5,127.4	65.1	-	65.1
December 2017	4,873.5	-	4,873.5	67.4	-	67.4
South Dakota						
December 2018	959.3	-	959.3	21.0	-	21.0
November 2018	1,094.8	-	1,094.8	26.9	-	26.9
December 2017	1,021.4	-	1,021.4	25.5	-	25.5
Tennessee						
December 2018	8,251.2	-	8,251.2	161.5	-	161.5
November 2018	8,637.2	-	8,637.2	170.9	-	170.9
December 2017	8,704.8	-	8,704.8	178.0	-	178.0
Wisconsin						
December 2018	4,033.7	1,926.5	5,960.2	35.4	18.5	53.8
November 2018	4,314.0	1,963.0	6,277.0	36.9	18.2	55.1
December 2017	4,374.1	2,025.2	6,399.3	46.7	22.1	68.8
PAD District 3						
December 2018	44,873.2	15,745.4	60,618.6	532.2	262.1	794.3
November 2018	45,862.3	16,301.6	62,163.9	548.9	273.5	822.4
December 2017	47,381.4	14,346.8	61,728.2	711.2	306.0	1,017.2
Alabama						
December 2018	6,289.4	-	6,289.4	79.5	-	79.5
November 2018	6,290.5	-	6,290.5	83.8	-	83.8
December 2017	5,968.5	-	5,968.5	78.8	-	78.8
Arkansas						
December 2018	3,443.9	-	3,443.9	38.5	-	38.5
November 2018	3,605.1	-	3,605.1	40.8	-	40.8
December 2017	3,536.6	-	3,536.6	45.4	-	45.4
Louisiana						
December 2018	6,500.7	-	6,500.7	51.0	-	51.0
November 2018	6,792.7	-	6,792.7	53.9	-	53.9
December 2017	7,066.5	-	7,066.5	55.7	-	55.7
Mississippi						
December 2018	3,979.1	-	3,979.1	51.5	-	51.5
November 2018	3,945.4	-	3,945.4	54.0	-	54.0
December 2017	4,062.1	-	4,062.1	56.8	-	56.8
New Mexico						
December 2018	2,374.1	-	2,374.1	W	-	78.4
November 2018	2,428.0	-	2,428.0	80.3	-	80.3
December 2017	2,459.5	-	2,459.5	97.1	-	97.1
Texas						
December 2018	22,286.1	15,745.4	38,031.4	W	W	495.4
November 2018	22,800.6	16,301.6	39,102.2	236.0	273.5	509.5
December 2017	24,288.2	14,346.8	38,635.0	377.2	306.0	683.2

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
PAD District 2 (cont.)						
Nebraska						
December 2018	205.5	-	205.5	2,141.0	-	2,141.0
November 2018	227.9	-	227.9	2,309.3	-	2,309.3
December 2017	215.6	-	215.6	2,170.3	-	2,170.3
North Dakota						
December 2018	86.5	-	86.5	1,000.4	-	1,000.4
November 2018	91.2	-	91.2	1,096.0	-	1,096.0
December 2017	80.4	-	80.4	992.8	-	992.8
Ohio						
December 2018	819.8	-	819.8	13,225.0	-	13,225.0
November 2018	827.4	-	827.4	13,452.9	-	13,452.9
December 2017	820.7	-	820.7	13,220.1	-	13,220.1
Oklahoma						
December 2018	458.3	-	458.3	5,403.4	-	5,403.4
November 2018	465.7	-	465.7	5,658.2	-	5,658.2
December 2017	467.1	-	467.1	5,408.0	-	5,408.0
South Dakota						
December 2018	92.1	-	92.1	1,072.4	-	1,072.4
November 2018	108.9	-	108.9	1,230.6	-	1,230.6
December 2017	88.2	-	88.2	1,135.1	-	1,135.1
Tennessee						
December 2018	788.8	-	788.8	9,201.5	-	9,201.5
November 2018	816.5	-	816.5	9,624.6	-	9,624.6
December 2017	870.5	-	870.5	9,753.3	-	9,753.3
Wisconsin						
December 2018	293.4	162.4	455.8	4,362.5	2,107.4	6,469.8
November 2018	325.9	161.9	487.7	4,676.8	2,143.1	6,819.9
December 2017	319.4	168.0	487.4	4,740.3	2,215.3	6,955.5
PAD District 3						
December 2018	3,860.0	2,167.6	6,027.7	49,265.5	18,175.1	67,440.5
November 2018	3,801.5	2,206.5	6,008.0	50,212.6	18,781.7	68,994.3
December 2017	4,027.8	2,018.6	6,046.4	52,120.3	16,671.5	68,791.8
Alabama						
December 2018	527.8	-	527.8	6,896.8	-	6,896.8
November 2018	553.0	-	553.0	6,927.3	-	6,927.3
December 2017	506.6	-	506.6	6,553.9	-	6,553.9
Arkansas						
December 2018	323.7	-	323.7	3,806.1	-	3,806.1
November 2018	305.0	-	305.0	3,951.0	-	3,951.0
December 2017	275.6	-	275.6	3,857.6	-	3,857.6
Louisiana						
December 2018	W	W	540.2	W	W	7,091.9
November 2018	544.8	-	544.8	7,391.5	-	7,391.5
December 2017	597.8	-	597.8	7,720.0	-	7,720.0
Mississippi						
December 2018	281.2	-	281.2	4,311.7	-	4,311.7
November 2018	285.6	-	285.6	4,284.9	-	4,284.9
December 2017	298.5	-	298.5	4,417.4	-	4,417.4
New Mexico						
December 2018	W	-	301.6	2,754.1	-	2,754.1
November 2018	301.9	-	301.9	2,810.2	-	2,810.2
December 2017	308.8	-	308.8	2,865.4	-	2,865.4
Texas						
December 2018	W	W	4,053.2	W	W	42,580.0
November 2018	1,811.1	2,206.5	4,017.6	24,847.7	18,781.7	43,629.4
December 2017	2,040.6	2,018.6	4,059.2	26,706.0	16,671.5	43,377.5

See footnotes at end of table.

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

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
December 2018	11,588.3	-	11,588.3	269.5	-	269.5
November 2018	11,918.0	-	11,918.0	269.7	-	269.7
December 2017	11,745.3	-	11,745.3	288.1	-	288.1
Colorado						
December 2018	5,086.7	-	5,086.7	115.5	-	115.5
November 2018	5,062.3	-	5,062.3	108.2	-	108.2
December 2017	5,090.4	-	5,090.4	124.4	-	124.4
Idaho						
December 2018	1,654.5	-	1,654.5	21.4	-	21.4
November 2018	1,646.7	-	1,646.7	20.6	-	20.6
December 2017	1,651.5	-	1,651.5	25.0	-	25.0
Montana						
December 2018	1,421.2	-	1,421.2	68.0	-	68.0
November 2018	1,658.7	-	1,658.7	70.8	-	70.8
December 2017	1,425.4	-	1,425.4	65.8	-	65.8
Utah						
December 2018	2,708.3	-	2,708.3	50.7	-	50.7
November 2018	2,829.7	-	2,829.7	54.1	-	54.1
December 2017	2,798.2	-	2,798.2	57.0	-	57.0
Wyoming						
December 2018	717.6	-	717.6	13.9	-	13.9
November 2018	720.6	-	720.6	16.0	-	16.0
December 2017	779.8	-	779.8	15.9	-	15.9
PAD District 5						
December 2018	16,759.7	33,495.6	50,255.3	310.3	927.3	1,237.5
November 2018	17,225.3	33,692.0	50,917.2	316.6	925.7	1,242.3
December 2017	16,852.1	33,866.4	50,718.4	345.8	954.7	1,300.6
Alaska						
December 2018	556.1	-	556.1	W	-	W
November 2018	554.4	-	554.4	W	-	W
December 2017	563.4	-	563.4	W	-	W
Arizona						
December 2018	W	W	6,772.7	W	W	125.7
November 2018	2,762.0	4,173.1	6,935.1	W	W	129.9
December 2017	W	W	7,063.9	W	W	136.6
California						
December 2018	-	29,356.6	29,356.6	-	W	851.9
November 2018	-	29,518.9	29,518.9	-	W	848.9
December 2017	-	29,695.6	29,695.6	-	W	871.6
Hawaii						
December 2018	955.8	-	955.8	W	-	W
November 2018	950.4	-	950.4	W	-	W
December 2017	949.8	-	949.8	W	-	W
Nevada						
December 2018	W	W	2,473.1	68.3	-	68.3
November 2018	2,464.3	-	2,464.3	70.8	-	70.8
December 2017	W	W	2,559.6	86.5	-	86.5
Oregon						
December 2018	3,606.3	-	3,606.3	24.2	-	24.2
November 2018	3,897.0	-	3,897.0	25.5	-	25.5
December 2017	3,678.5	-	3,678.5	29.3	-	29.3
Washington						
December 2018	6,534.6	-	6,534.6	83.5	-	83.5
November 2018	6,597.2	-	6,597.2	85.7	-	85.7
December 2017	6,207.6	-	6,207.6	92.7	-	92.7

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						
December 2018	2,484.9	-	2,484.9	14,342.6	-	14,342.6
November 2018	2,478.9	-	2,478.9	14,666.6	-	14,666.6
December 2017	2,477.9	-	2,477.9	14,511.3	-	14,511.3
Colorado						
December 2018	1,083.1	-	1,083.1	6,285.3	-	6,285.3
November 2018	1,045.5	-	1,045.5	6,216.0	-	6,216.0
December 2017	1,044.2	-	1,044.2	6,258.9	-	6,258.9
Idaho						
December 2018	268.5	-	268.5	1,944.4	-	1,944.4
November 2018	256.0	-	256.0	1,923.3	-	1,923.3
December 2017	266.5	-	266.5	1,943.0	-	1,943.0
Montana						
December 2018	243.5	-	243.5	1,732.7	-	1,732.7
November 2018	263.3	-	263.3	1,992.8	-	1,992.8
December 2017	250.7	-	250.7	1,741.9	-	1,741.9
Utah						
December 2018	753.2	-	753.2	3,512.2	-	3,512.2
November 2018	780.3	-	780.3	3,664.1	-	3,664.1
December 2017	769.9	-	769.9	3,625.1	-	3,625.1
Wyoming						
December 2018	136.6	-	136.6	868.0	-	868.0
November 2018	133.9	-	133.9	870.5	-	870.5
December 2017	146.6	-	146.6	942.3	-	942.3
PAD District 5						
December 2018	2,951.7	8,931.8	11,883.5	20,021.6	43,354.6	63,376.3
November 2018	2,971.7	8,732.9	11,704.5	20,513.5	43,350.5	63,864.0
December 2017	2,964.9	9,006.2	11,971.1	20,162.8	43,827.3	63,990.1
Alaska						
December 2018	W	-	W	633.2	-	633.2
November 2018	W	-	W	625.6	-	625.6
December 2017	W	-	W	637.9	-	637.9
Arizona						
December 2018	W	W	943.0	W	W	7,841.5
November 2018	W	W	950.2	W	W	8,015.2
December 2017	W	W	974.0	W	W	8,174.5
California						
December 2018	-	W	8,383.0	-	38,591.6	38,591.6
November 2018	-	W	8,185.8	-	38,553.6	38,553.6
December 2017	-	W	8,401.5	-	38,968.7	38,968.7
Hawaii						
December 2018	W	-	W	1,266.1	-	1,266.1
November 2018	W	-	W	1,249.7	-	1,249.7
December 2017	W	-	W	1,261.4	-	1,261.4
Nevada						
December 2018	590.4	-	590.4	W	W	3,131.8
November 2018	W	W	606.4	W	W	3,141.5
December 2017	639.4	-	639.4	W	W	3,285.5
Oregon						
December 2018	457.5	-	457.5	4,088.1	-	4,088.1
November 2018	467.3	-	467.3	4,389.7	-	4,389.7
December 2017	474.7	-	474.7	4,182.5	-	4,182.5
Washington						
December 2018	1,206.0	-	1,206.0	7,824.1	-	7,824.1
November 2018	1,205.8	-	1,205.8	7,888.6	-	7,888.6
December 2017	1,179.4	-	1,179.4	7,479.6	-	7,479.6

- = 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							
December 2018	362.5	63,799.4	W	41,125.7	1,527.4	12,229.3	13,756.6
November 2018	395.8	62,798.0	W	39,277.5	1,009.8	10,956.9	11,966.8
December 2017	443.2	64,267.7	W	45,480.2	1,653.5	12,307.4	13,960.9
PAD District 1							
December 2018	119.8	15,247.9	W	12,044.7	W	W	4,841.2
November 2018	143.3	13,979.9	W	9,233.4	188.4	3,583.7	3,772.1
December 2017	110.5	15,930.8	W	12,453.1	391.6	3,751.3	4,143.0
Subdistrict 1A							
December 2018	13.5	1,352.3	W	2,658.5	W	W	86.5
November 2018	15.2	1,612.0	W	1,905.9	W	W	68.1
December 2017	10.0	1,331.9	W	3,007.9	W	W	94.8
Connecticut							
December 2018	1.2	192.7	-	280.9	W	-	W
November 2018	2.0	188.9	-	209.3	W	-	W
December 2017	1.0	144.3	W	308.4	W	-	W
Maine							
December 2018	1.6	74.4	W	671.1	W	W	42.4
November 2018	W	95.2	-	489.1	W	W	23.2
December 2017	W	84.2	-	763.7	W	W	36.6
Massachusetts							
December 2018	6.9	970.4	W	436.3	W	W	11.0
November 2018	8.5	1,178.1	W	323.6	W	W	22.7
December 2017	5.4	936.2	W	595.4	W	W	26.4
New Hampshire							
December 2018	2.5	29.0	W	708.5	W	-	W
November 2018	1.7	47.6	W	502.5	W	-	W
December 2017	0.9	47.4	W	741.9	W	W	W
Rhode Island							
December 2018	W	64.1	W	46.3	W	-	W
November 2018	W	77.4	-	35.2	W	-	W
December 2017	W	99.2	W	83.8	W	-	W
Vermont							
December 2018	W	21.7	W	515.5	W	-	W
November 2018	W	24.7	W	346.3	W	W	W
December 2017	W	20.6	W	514.7	W	W	W
Subdistrict 1B							
December 2018	21.6	8,802.0	W	4,540.1	456.7	2,562.5	3,019.2
November 2018	25.4	7,700.9	W	3,533.2	W	W	2,390.1
December 2017	18.4	9,189.1	W	4,583.5	326.2	2,144.5	2,470.7
Delaware							
December 2018	0.4	14.1	-	274.6	-	-	-
November 2018	1.0	13.6	W	177.6	-	-	-
December 2017	0.4	9.5	-	W	W	-	W
District of Columbia							
December 2018	-	-	-	-	-	-	-
November 2018	-	-	-	-	-	-	-
December 2017	-	-	-	W	-	-	-
Maryland							
December 2018	4.3	205.1	-	463.5	-	W	W
November 2018	4.0	198.9	-	341.1	-	W	W
December 2017	3.8	185.6	-	491.5	-	W	W
New Jersey							
December 2018	5.1	2,847.5	W	244.5	W	W	2,270.4
November 2018	4.9	3,254.6	W	191.8	W	W	1,841.4
December 2017	3.1	2,981.4	W	304.5	W	W	941.5
New York							
December 2018	5.9	3,573.9	W	1,687.5	W	W	454.3
November 2018	9.0	3,334.4	W	1,326.2	W	W	387.8
December 2017	5.2	3,576.4	W	1,716.5	W	W	1,302.1
Pennsylvania							
December 2018	5.8	2,161.5	-	1,870.0	W	W	W
November 2018	6.5	899.4	-	1,496.4	W	W	W
December 2017	5.8	2,436.1	-	1,807.5	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							
December 2018	84.7	5,093.6	-	4,846.2	W	W	1,735.5
November 2018	102.7	4,667.0	W	3,794.3	-	1,314.0	1,314.0
December 2017	82.2	5,409.8	-	4,861.6	W	W	1,577.5
Florida							
December 2018	51.4	2,921.5	-	655.7	-	1,310.5	1,310.5
November 2018	58.0	2,583.9	-	576.6	-	1,151.4	1,151.4
December 2017	49.8	3,683.3	-	607.5	-	1,182.2	1,182.2
Georgia							
December 2018	12.7	537.9	-	720.4	-	W	W
November 2018	12.5	364.9	W	679.1	-	105.9	105.9
December 2017	10.3	262.1	-	791.6	-	89.2	89.2
North Carolina							
December 2018	8.2	357.4	-	1,388.5	-	14.0	14.0
November 2018	12.2	421.1	-	1,025.1	-	W	W
December 2017	7.5	313.2	-	1,636.5	-	W	W
South Carolina							
December 2018	4.6	226.3	-	826.0	-	41.9	41.9
November 2018	7.1	241.7	-	639.1	-	29.2	29.2
December 2017	5.2	195.5	-	828.2	W	W	W
Virginia							
December 2018	6.4	1,027.5	-	979.0	W	W	W
November 2018	12.0	1,031.9	-	707.2	-	W	W
December 2017	8.5	936.0	-	821.3	-	W	W
West Virginia							
December 2018	1.4	23.0	-	276.5	-	-	-
November 2018	1.0	23.5	-	167.1	-	-	-
December 2017	0.9	19.7	-	176.5	-	-	-
PAD District 2							
December 2018	72.2	11,192.5	-	14,522.3	-	W	W
November 2018	78.6	11,050.2	-	14,540.9	-	W	W
December 2017	68.2	10,658.4	W	15,340.8	W	108.3	W
Illinois							
December 2018	6.9	3,035.1	-	1,478.2	-	W	W
November 2018	6.4	2,905.3	-	1,357.3	-	W	W
December 2017	5.6	2,878.3	-	1,523.7	-	-	-
Indiana							
December 2018	4.5	1,062.9	-	761.4	-	W	W
November 2018	4.7	1,011.9	-	636.8	-	W	W
December 2017	6.6	1,061.6	-	852.9	-	W	W
Iowa							
December 2018	2.7	91.1	-	1,487.8	-	-	-
November 2018	2.6	100.9	-	1,818.1	-	-	-
December 2017	3.8	83.2	-	1,659.9	-	-	-
Kansas							
December 2018	3.7	108.6	-	964.4	-	-	-
November 2018	6.6	118.8	-	872.4	-	-	-
December 2017	5.7	102.8	-	1,222.5	-	-	-
Kentucky							
December 2018	3.4	1,862.1	-	501.7	-	-	-
November 2018	3.8	1,607.6	-	506.1	-	-	-
December 2017	3.2	1,635.9	W	578.5	-	W	W
Michigan							
December 2018	6.4	532.5	-	1,405.8	-	W	W
November 2018	6.1	614.3	-	1,181.6	-	W	W
December 2017	4.2	447.9	-	1,353.0	W	W	W
Minnesota							
December 2018	4.8	299.5	-	1,421.1	-	W	W
November 2018	5.3	365.3	-	1,702.9	-	W	W
December 2017	5.9	347.5	-	1,570.5	-	W	W
Missouri							
December 2018	6.2	326.3	-	1,376.7	-	-	-
November 2018	7.6	373.8	-	1,252.0	-	-	-
December 2017	5.9	283.7	-	1,273.6	-	-	-

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							
December 2018	3.3	169.4	-	477.1	-	-	-
November 2018	1.8	184.5	-	404.9	-	-	-
December 2017	2.0	152.4	-	431.3	-	W	W
North Dakota							
December 2018	3.8	96.6	-	712.6	-	-	-
November 2018	W	96.4	-	1,087.2	-	-	-
December 2017	3.5	69.5	-	692.2	-	-	-
Ohio							
December 2018	7.7	924.7	-	1,260.0	-	-	-
November 2018	9.6	1,062.4	-	1,076.1	-	-	-
December 2017	6.6	1,118.0	-	1,278.3	-	-	-
Oklahoma							
December 2018	6.2	796.9	-	396.8	-	-	-
November 2018	7.3	829.9	-	378.5	-	-	-
December 2017	5.6	727.6	-	320.7	-	-	-
South Dakota							
December 2018	1.6	40.0	-	333.4	-	W	W
November 2018	W	45.7	-	404.7	-	W	W
December 2017	W	39.6	-	408.4	-	W	W
Tennessee							
December 2018	6.6	1,642.3	-	447.2	-	W	W
November 2018	7.8	1,518.7	-	371.6	-	W	W
December 2017	W	1,545.2	-	465.5	-	W	W
Wisconsin							
December 2018	4.3	204.5	-	1,498.0	-	W	W
November 2018	4.0	214.4	-	1,490.9	-	W	W
December 2017	2.9	165.2	-	1,709.8	-	W	W
PAD District 3							
December 2018	65.8	14,881.1	-	10,191.1	W	W	3,681.7
November 2018	65.2	15,592.0	-	11,730.5	W	W	3,680.7
December 2017	65.3	16,192.7	-	13,166.5	246.2	4,316.3	4,562.5
Alabama							
December 2018	5.7	297.7	-	479.0	W	30.0	W
November 2018	6.6	282.8	-	441.9	W	W	W
December 2017	4.1	163.0	-	510.0	-	W	W
Arkansas							
December 2018	4.3	145.5	-	270.5	-	-	-
November 2018	5.5	165.4	-	266.1	-	-	-
December 2017	4.5	125.9	-	288.9	-	-	-
Louisiana							
December 2018	5.8	2,417.1	-	909.6	-	891.9	891.9
November 2018	6.3	2,883.7	-	1,298.0	-	1,119.0	1,119.0
December 2017	4.2	4,020.0	-	976.1	-	910.4	910.4
Mississippi							
December 2018	2.3	839.8	-	478.1	-	W	W
November 2018	4.2	1,643.7	-	439.4	-	W	W
December 2017	3.8	1,132.4	-	409.8	-	W	W
New Mexico							
December 2018	3.4	128.1	-	291.1	-	-	-
November 2018	3.0	120.2	-	253.2	-	-	-
December 2017	3.4	124.0	-	236.5	-	-	-
Texas							
December 2018	44.4	11,052.9	-	7,762.9	W	W	2,720.6
November 2018	39.7	10,496.2	-	9,032.0	89.8	2,379.5	2,469.3
December 2017	45.3	10,627.4	-	10,745.2	246.2	3,335.1	3,581.3

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							
December 2018	19.3	1,958.9	-	1,430.5	-	W	W
November 2018	24.6	1,881.8	-	1,203.7	-	W	W
December 2017	17.7	2,333.5	-	1,314.1	-	W	W
Colorado							
December 2018	6.7	960.5	-	477.1	-	-	-
November 2018	9.2	959.6	-	396.5	-	-	-
December 2017	7.9	1,431.6	-	399.8	-	-	-
Idaho							
December 2018	W	105.3	-	168.8	-	-	-
November 2018	5.0	98.8	-	135.0	-	-	-
December 2017	W	92.7	-	159.5	-	-	-
Montana							
December 2018	5.1	140.2	-	276.8	-	-	-
November 2018	3.1	106.4	-	234.1	-	-	-
December 2017	2.0	94.3	-	306.5	-	-	-
Utah							
December 2018	5.3	690.6	-	154.2	-	-	-
November 2018	6.4	662.3	-	133.1	-	-	-
December 2017	4.2	665.5	-	138.9	-	-	-
Wyoming							
December 2018	W	62.3	-	353.6	-	W	W
November 2018	0.8	54.6	-	305.0	-	W	W
December 2017	W	49.4	-	309.4	-	W	W
PAD District 5							
December 2018	85.5	20,518.8	-	2,937.0	981.7	4,153.7	5,135.4
November 2018	84.1	20,294.2	-	2,569.0	W	W	4,382.0
December 2017	181.5	19,152.3	-	3,205.7	W	W	5,139.6
Alaska							
December 2018	W	1,827.2	-	W	-	-	-
November 2018	W	2,210.6	-	W	-	-	-
December 2017	W	1,711.8	-	W	-	-	-
Arizona							
December 2018	20.2	429.9	-	342.9	-	-	-
November 2018	23.4	507.8	-	300.4	-	-	-
December 2017	17.3	483.9	-	246.3	-	-	-
California							
December 2018	45.7	13,472.1	-	1,630.6	W	W	2,318.6
November 2018	39.1	12,607.5	-	1,293.9	W	W	2,036.9
December 2017	145.8	12,318.0	-	1,732.7	W	W	2,660.5
Hawaii							
December 2018	W	1,593.9	-	W	W	W	1,403.9
November 2018	W	1,507.7	-	W	W	180.1	W
December 2017	W	1,533.3	-	W	W	W	1,180.1
Nevada							
December 2018	4.3	656.7	-	129.9	-	-	-
November 2018	4.4	653.8	-	138.1	-	-	-
December 2017	W	611.1	-	164.8	-	-	-
Oregon							
December 2018	6.4	552.5	-	199.2	-	-	-
November 2018	8.3	547.6	-	188.5	-	-	-
December 2017	7.1	447.7	-	201.8	-	-	-
Washington							
December 2018	5.7	1,986.5	-	587.3	-	1,412.8	1,412.8
November 2018	6.7	2,259.3	-	596.5	-	W	W
December 2017	6.3	2,046.4	-	803.9	-	1,299.1	1,299.1

- = 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								
December 2018	W	2,754.5	14,485.3	152,268.6	W	W	168,081.5	172,425.7
November 2018	W	2,965.3	11,780.0	165,468.1	W	W	178,569.3	183,122.1
December 2017	W	3,141.6	16,605.1	153,131.5	83.7	1,189.1	171,009.3	175,987.1
PAD District 1								
December 2018	633.3	W	13,830.9	39,578.1	-	245.6	53,654.6	54,647.7
November 2018	547.7	W	11,252.7	41,137.4	-	261.1	52,651.2	53,440.9
December 2017	687.5	W	15,698.0	38,435.1	W	W	54,325.6	55,349.7
Subdistrict 1A								
December 2018	W	W	6,656.5	W	-	W	10,516.0	10,800.2
November 2018	164.4	W	5,126.8	W	-	W	9,117.3	9,335.1
December 2017	238.7	W	7,825.6	W	-	W	11,456.0	11,749.0
Connecticut								
December 2018	W	W	1,400.6	712.8	-	-	2,113.4	2,129.9
November 2018	W	W	1,124.1	758.7	-	-	1,882.8	1,903.1
December 2017	W	21.0	1,711.6	633.6	-	-	2,345.3	2,371.8
Maine								
December 2018	140.1	W	1,324.9	W	-	W	2,049.2	2,204.5
November 2018	W	W	917.4	W	-	W	1,647.2	1,758.3
December 2017	W	W	1,445.6	W	-	W	2,220.4	2,379.1
Massachusetts								
December 2018	23.1	W	2,022.2	W	-	W	3,512.7	3,547.9
November 2018	16.5	W	1,561.5	W	-	W	3,014.5	3,040.8
December 2017	20.0	W	2,366.1	W	-	W	3,601.9	3,633.0
New Hampshire								
December 2018	27.2	W	838.8	372.2	-	-	1,211.0	1,255.4
November 2018	22.0	W	635.4	480.8	-	-	1,116.2	1,150.1
December 2017	36.2	W	970.2	431.4	-	-	1,401.5	1,448.9
Rhode Island								
December 2018	0.7	W	629.7	W	-	W	1,012.0	1,013.8
November 2018	W	W	539.7	377.4	-	-	917.1	918.4
December 2017	W	W	896.9	382.3	-	-	1,279.1	1,282.1
Vermont								
December 2018	24.0	W	440.4	177.3	-	-	617.7	648.6
November 2018	16.9	W	348.7	190.9	-	-	539.6	564.4
December 2017	19.1	W	435.3	172.4	-	-	607.7	634.1
Subdistrict 1B								
December 2018	283.8	W	6,925.5	W	-	W	21,230.8	21,719.8
November 2018	265.6	W	5,900.1	W	-	W	20,078.5	20,508.6
December 2017	290.2	W	7,730.8	W	-	W	21,401.8	21,930.8
Delaware								
December 2018	W	-	W	W	-	-	W	336.6
November 2018	W	-	W	278.3	-	W	313.2	317.7
December 2017	4.1	-	W	W	-	-	686.7	690.8
District of Columbia								
December 2018	W	-	W	W	-	-	W	48.4
November 2018	-	-	W	W	-	-	46.8	46.8
December 2017	-	-	W	W	-	-	49.1	49.1
Maryland								
December 2018	21.0	-	550.8	W	-	W	2,385.7	2,406.7
November 2018	W	W	438.2	W	-	W	2,231.4	2,258.5
December 2017	31.6	-	492.6	W	-	W	2,210.9	2,242.5
New Jersey								
December 2018	W	-	1,655.8	W	-	W	5,790.3	5,834.6
November 2018	W	-	1,451.9	W	-	W	5,306.3	5,330.1
December 2017	W	-	1,385.9	W	-	W	5,045.4	5,058.5
New York								
December 2018	145.2	W	3,093.5	W	-	W	6,356.1	6,702.1
November 2018	141.4	W	2,557.2	W	-	W	5,953.6	6,253.2
December 2017	157.7	W	3,490.5	3,413.8	-	72.5	6,976.8	7,370.7
Pennsylvania								
December 2018	73.2	1.3	1,573.5	W	-	W	6,316.9	6,391.4
November 2018	73.6	1.6	1,413.3	W	-	W	6,227.1	6,302.4
December 2017	W	W	2,016.3	W	-	W	6,433.0	6,519.3

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								
December 2018	W	W	248.9	W	-	W	21,907.8	22,127.7
November 2018	117.7	W	225.8	W	-	W	23,455.3	23,597.2
December 2017	158.5	43.5	141.6	21,264.3	W	W	21,467.8	21,669.9
Florida								
December 2018	W	W	-	W	-	W	6,034.4	6,036.6
November 2018	W	W	W	6,359.8	-	W	6,490.6	6,492.0
December 2017	1.2	-	W	5,697.6	W	W	5,760.6	5,761.9
Georgia								
December 2018	W	W	-	W	-	W	4,323.9	4,330.5
November 2018	9.6	W	-	W	-	W	4,530.7	4,541.2
December 2017	W	W	-	W	-	W	4,406.7	4,412.2
North Carolina								
December 2018	W	W	W	3,611.6	-	W	3,628.1	3,706.1
November 2018	W	W	W	3,872.8	-	W	3,894.1	3,965.0
December 2017	W	W	W	3,552.4	-	W	3,588.5	3,660.1
South Carolina								
December 2018	17.9	-	W	2,734.9	-	W	2,737.9	2,755.8
November 2018	11.3	-	W	2,916.2	-	W	2,923.1	2,934.3
December 2017	15.8	-	-	W	-	W	2,666.2	2,682.0
Virginia								
December 2018	W	W	198.5	W	-	W	3,945.8	4,041.4
November 2018	31.7	-	130.9	W	-	W	4,312.1	4,343.8
December 2017	W	W	82.7	W	-	W	3,938.6	4,030.7
West Virginia								
December 2018	W	W	34.3	W	-	-	1,237.7	1,257.2
November 2018	W	W	38.1	1,266.7	-	-	1,304.8	1,320.9
December 2017	W	W	17.6	1,089.6	-	-	1,107.3	1,123.1
PAD District 2								
December 2018	173.8	1,808.0	50.2	W	-	W	46,801.5	48,783.3
November 2018	203.6	2,104.9	64.8	W	-	W	52,797.2	55,105.7
December 2017	W	2,234.0	93.5	W	-	W	46,371.9	48,831.7
Illinois								
December 2018	7.9	100.6	-	5,329.1	-	-	5,329.1	5,437.6
November 2018	11.1	72.6	-	5,872.7	-	-	5,872.7	5,956.3
December 2017	10.0	100.8	-	5,838.6	-	-	5,838.6	5,949.4
Indiana								
December 2018	21.7	22.3	-	W	-	W	4,045.4	4,089.4
November 2018	27.5	15.0	-	W	-	W	4,372.5	4,415.0
December 2017	33.8	26.0	-	3,904.1	-	-	3,904.1	3,963.9
Iowa								
December 2018	4.5	221.8	-	2,289.5	-	-	2,289.5	2,515.8
November 2018	W	W	W	W	-	-	3,087.4	3,395.7
December 2017	4.6	258.1	W	W	-	-	2,278.7	2,541.4
Kansas								
December 2018	3.4	161.7	-	2,408.0	-	-	2,408.0	2,573.0
November 2018	4.6	202.8	-	2,831.3	-	-	2,831.3	3,038.7
December 2017	4.6	170.5	-	2,646.1	-	-	2,646.1	2,821.3
Kentucky								
December 2018	W	W	W	2,501.9	-	W	2,535.8	2,565.2
November 2018	W	W	-	2,732.7	-	-	2,732.7	2,761.3
December 2017	W	W	-	2,459.3	-	-	2,459.3	2,507.3
Michigan								
December 2018	14.8	29.5	W	2,901.8	-	W	2,966.3	3,010.7
November 2018	11.8	25.6	W	3,317.8	-	W	3,372.6	3,410.1
December 2017	21.3	40.8	W	W	-	-	2,986.2	3,048.3
Minnesota								
December 2018	8.6	399.3	W	W	-	-	2,255.5	2,663.3
November 2018	10.0	460.4	W	W	-	-	2,843.2	3,313.6
December 2017	7.1	517.4	W	W	-	-	2,195.8	2,720.3
Missouri								
December 2018	W	W	-	3,416.8	-	-	3,416.8	3,440.0
November 2018	1.0	25.9	W	W	-	-	3,737.9	3,764.8
December 2017	1.4	25.6	-	3,728.5	-	-	3,728.5	3,755.5

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								
December 2018	W	W	-	1,660.0	-	-	1,660.0	1,827.2
November 2018	W	W	-	2,119.7	-	-	2,119.7	2,329.8
December 2017	W	W	-	1,715.4	-	-	1,715.4	1,921.5
North Dakota								
December 2018	W	W	W	W	-	-	1,671.9	2,032.2
November 2018	W	W	W	W	-	-	1,835.7	2,290.1
December 2017	W	W	W	W	-	-	1,295.1	1,748.6
Ohio								
December 2018	W	W	W	W	-	-	5,750.3	5,809.6
November 2018	W	W	W	5,883.4	-	W	5,885.1	5,933.8
December 2017	W	W	W	W	-	W	5,282.8	5,353.4
Oklahoma								
December 2018	W	W	W	W	-	-	5,391.5	5,398.1
November 2018	W	W	W	W	-	-	6,193.1	6,200.2
December 2017	W	W	W	W	-	-	5,271.4	5,277.2
South Dakota								
December 2018	W	W	W	W	-	-	640.8	794.9
November 2018	W	W	W	W	-	-	967.1	1,206.6
December 2017	W	W	W	W	-	-	625.3	851.6
Tennessee								
December 2018	18.8	-	-	3,895.0	-	-	3,895.0	3,913.8
November 2018	W	W	-	3,881.8	-	-	3,881.8	3,897.5
December 2017	W	W	-	3,427.2	-	-	3,427.2	3,443.3
Wisconsin								
December 2018	4.9	162.0	W	W	-	-	2,545.6	2,712.6
November 2018	3.3	124.5	W	W	-	-	3,064.5	3,192.3
December 2017	5.4	206.0	W	W	-	-	2,717.4	2,928.7
PAD District 3								
December 2018	578.1	0.9	493.0	39,184.4	W	W	40,089.4	40,668.4
November 2018	657.6	1.0	390.0	41,958.9	W	W	42,710.4	43,369.0
December 2017	683.5	2.9	722.6	41,084.8	W	W	42,263.1	42,949.5
Alabama								
December 2018	W	-	-	2,547.1	W	W	W	2,620.4
November 2018	W	-	-	2,763.4	W	W	W	2,844.4
December 2017	W	-	-	2,420.8	W	W	W	2,494.2
Arkansas								
December 2018	-	-	W	W	-	-	1,907.2	1,907.2
November 2018	-	-	W	W	-	-	2,017.4	2,017.4
December 2017	W	W	W	W	-	-	1,985.2	1,986.6
Louisiana								
December 2018	W	-	135.5	W	-	W	W	6,974.3
November 2018	W	W	W	5,485.9	-	W	5,786.4	6,392.7
December 2017	W	W	406.6	5,617.1	-	93.4	6,117.1	6,723.5
Mississippi								
December 2018	W	W	W	W	-	-	1,679.7	1,680.7
November 2018	W	W	-	W	-	W	1,870.7	1,872.1
December 2017	W	W	-	W	-	W	1,861.5	1,863.0
New Mexico								
December 2018	-	W	-	W	-	-	W	1,987.4
November 2018	-	W	-	W	-	-	W	2,214.3
December 2017	-	W	-	W	-	-	W	1,971.0
Texas								
December 2018	W	W	357.0	24,868.0	-	269.4	25,494.3	25,498.5
November 2018	W	W	203.1	27,609.5	-	208.3	28,021.0	28,028.1
December 2017	W	W	W	27,238.3	W	310.6	27,870.9	27,911.3

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		
PAD District 4								
December 2018	W	W	W	W	-	-	8,222.6	8,559.5
November 2018	W	W	W	W	-	-	8,635.9	8,967.6
December 2017	W	W	W	W	-	-	8,130.6	8,500.1
Colorado								
December 2018	-	111.9	-	2,111.8	-	-	2,111.8	2,223.7
November 2018	-	93.1	-	2,291.7	-	-	2,291.7	2,384.9
December 2017	-	106.4	-	2,113.2	-	-	2,113.2	2,219.5
Idaho								
December 2018	W	W	W	W	-	-	1,595.5	1,615.2
November 2018	W	W	W	W	-	-	1,435.9	1,461.3
December 2017	W	W	W	W	-	-	1,313.5	1,338.1
Montana								
December 2018	-	89.1	W	W	-	-	1,420.3	1,509.4
November 2018	-	91.7	-	1,647.2	-	-	1,647.2	1,738.9
December 2017	-	95.8	W	W	-	-	1,403.5	1,499.3
Utah								
December 2018	W	W	W	W	-	-	1,713.2	1,754.4
November 2018	W	W	W	W	-	-	1,650.1	1,683.9
December 2017	W	W	-	1,931.8	-	-	1,931.8	1,981.0
Wyoming								
December 2018	-	75.0	-	W	-	-	1,381.9	1,456.8
November 2018	-	87.6	-	W	-	-	1,611.0	1,698.6
December 2017	-	93.6	-	1,368.5	-	-	1,368.5	1,462.1
PAD District 5								
December 2018	21.4	431.9	W	W	W	539.8	19,313.5	19,766.7
November 2018	29.9	434.4	W	W	W	594.4	21,774.6	22,238.9
December 2017	30.8	407.2	W	W	W	557.3	19,918.1	20,356.1
Alaska								
December 2018	-	W	W	W	-	-	W	W
November 2018	-	W	W	W	-	W	W	W
December 2017	-	W	W	W	-	-	W	563.6
Arizona								
December 2018	-	-	-	2,421.3	-	-	2,421.3	2,421.3
November 2018	-	-	-	2,732.7	-	-	2,732.7	2,732.7
December 2017	-	-	-	2,732.1	-	-	2,732.1	2,732.1
California								
December 2018	W	W	-	W	-	W	9,426.0	9,444.0
November 2018	W	W	-	W	-	W	10,309.3	10,333.9
December 2017	W	W	-	W	-	W	10,265.6	10,288.8
Hawaii								
December 2018	-	-	-	342.5	W	W	W	W
November 2018	-	-	-	381.2	W	W	W	W
December 2017	-	-	-	313.1	W	W	655.4	655.4
Nevada								
December 2018	W	W	W	W	-	-	1,330.0	1,339.3
November 2018	W	W	W	W	-	-	1,581.1	1,593.6
December 2017	W	8.9	W	1,403.7	-	-	W	1,423.8
Oregon								
December 2018	-	W	-	W	-	-	W	1,990.8
November 2018	-	W	-	2,154.2	-	W	W	2,179.6
December 2017	W	W	-	1,943.4	-	-	1,943.4	1,969.4
Washington								
December 2018	W	W	W	3,227.0	-	W	3,258.1	3,271.8
November 2018	W	W	W	3,945.3	-	W	3,967.4	3,979.5
December 2017	W	W	W	2,699.7	-	W	2,711.5	2,722.9

- = 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."