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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 increased in December. The average domestic crude oil first purchase price rose \$1.79 (3.2%), to \$56.98 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil increased \$1.66 (3.2%) to \$53.60 per barrel. The average landed cost of foreign crude oil rose 46 cents (0.8%), to \$56.13 per barrel.
- The average refiner acquisition cost for domestic crude oil climbed \$2.12 (3.6%), to \$60.97 per barrel. The average cost of imported crude oil rose \$1.20 (2.1%), to \$57.56 per barrel. The composite refiner acquisition cost for crude oil increased \$1.78 (3.1%), to \$59.53 per barrel.

Petroleum products

Motor gasoline

- December monthly average prices for refiner sales of motor gasoline fell from November levels. The average retail price declined 8.8 cents to \$2.034 per gallon, while the average wholesale price declined 8.6 cents to \$1.720 per gallon.
- Refiner sales of finished motor gasoline decreased in December. Total sales fell 3.3 million gallons per day (1.0%) to an average of 325.8 million gallons per day. Retail sales declined 200,000 gallons per day (0.8%), while wholesales dropped 3.1 million gallons per day (1.0%). DTW sales accounted for 7.2% of wholesales, while rack and bulk sales made up 86.0% and 6.7%, respectively.

No. 2 distillate

- December monthly average prices for refiner sales of No. 2 distillates show mixed trends. The average price for No. 2 diesel fuel sold to end users fell 1.0 cent to \$2.037 per gallon, while the average wholesale price decreased 1.9 cents to \$1.917 per gallon. The average retail price for No. 2 fuel oil rose 12.9 cents to \$2.263 per gallon, while the average wholesale price increased 6.1 cents to \$1.842 per gallon.
- Refiner sales of No. 2 ultra-low sulfur diesel decreased 7.7 million gallons per day (4.8%) to 153.7 million gallons per day in December. Retail sales fell 1.3 million gallons per day (10.4%), while wholesales declined 6.4 million gallons per day (4.3%).

Residual Fuel Oil

- Changes in refiner monthly average prices for sales of residual fuel oil varied in December. The wholesale price for low-sulfur residual fuel oil dropped 4.8 cents to \$1.254 per gallon. The price for high-sulfur residual fuel oil rose 6.3 cents to \$1.447 per gallon at retail, while the wholesale price fell 2.8 cents to \$1.249 per gallon.
- Refiner residual fuel oil sales increased to 12.7 million gallons per day in December. Retail sales rose 300,000 gallons per day (7.0%), while wholesales increased 900,000 gallons per day (12.5%).

Other products

- Refiner price trends for the remaining surveyed products were mixed in December. Kerosene-type jet fuel prices rose at the retail and wholesale levels, while prices for No. 1 distillate fell in both sales categories. Propane prices increased at retail, but fell at wholesale. The price for aviation gasoline fell at the wholesale level, while the price for kerosene increased in the same category.
- Refiner sales of propane and kerosene-type jet fuel declined at retail, but rose at wholesale during December. No. 1 distillate sales were flat at retail, but increased at the wholesale level. Aviation gasoline and kerosene sales also increased at the wholesale level.

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

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

Products	Sales to end users						Sales for resale					
	December 2017		November 2017		December 2016		December 2017		November 2017		December 2016	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	2.034	24.1	2.122	24.3	1.849	24.1	1.720	301.7	1.806	304.8	1.585	298.5
Conventional	1.945	15.2	2.029	15.2	1.781	14.9	1.690	203.2	1.773	206.4	1.558	201.3
Regular	1.899	13.4	1.984	13.5	1.739	13.1	1.658	182.1	1.741	184.7	1.527	180.1
Midgrade	2.155	0.8	2.231	0.8	1.952	0.8	1.824	1.4	1.912	1.5	1.683	1.6
Premium	2.416	1.0	2.489	1.0	2.204	1.0	1.970	19.7	2.063	20.2	1.838	19.5
Reformulated	2.183	9.0	2.279	9.0	1.958	9.2	1.784	98.5	1.874	98.4	1.640	97.2
Regular	2.091	6.6	2.188	6.7	1.869	6.7	1.739	81.8	1.828	82.1	1.592	80.8
Midgrade	2.345	0.9	2.438	0.9	2.098	0.9	1.879	0.7	1.980	0.7	1.737	0.9
Premium	2.505	1.5	2.598	1.5	2.263	1.5	2.010	16.0	2.115	15.5	1.890	15.4
Aviation gasoline	W	W	W	W	W	W	2.691	0.5	2.841	0.4	2.462	0.4
Kerosene-type jet fuel	1.869	28.9	1.831	30.4	1.539	31.3	1.847	43.8	1.795	38.5	1.511	32.3
Propane (consumer grade)	1.028	3.1	1.011	4.4	0.666	6.4	0.991	39.7	0.997	36.7	0.703	41.2
Kerosene	W	W	W	W	W	W	2.034	1.6	1.961	1.3	1.685	1.9
No. 1 distillate	2.423	0.1	2.466	0.1	NA	NA	2.256	2.8	2.284	2.3	1.851	3.2
No. 2 distillate	2.039	11.5	2.048	12.9	1.721	12.0	1.911	161.8	1.926	164.2	1.597	155.4
No. 2 fuel oil	2.263	0.1	2.134	0.2	1.997	0.1	1.842	14.5	1.781	10.7	1.507	14.4
No. 2 diesel fuel	2.037	11.4	2.047	12.7	1.718	11.9	1.917	147.3	1.936	153.5	1.606	141.0
Ultra low sulfur	2.039	11.2	2.050	12.5	1.718	11.6	1.921	142.5	1.941	148.9	1.609	137.7
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	1.484	4.6	1.413	4.3	1.230	4.2	1.249	8.1	1.279	7.2	1.030	7.6
Sulfur content not > 1%	W	W	W	W	W	W	1.254	0.3	1.302	0.6	1.024	0.6
Sulfur content > 1%	1.447	W	1.384	W	1.206	W	1.249	7.7	1.277	6.6	1.031	7.0

NA = Not available.

- = No data reported.

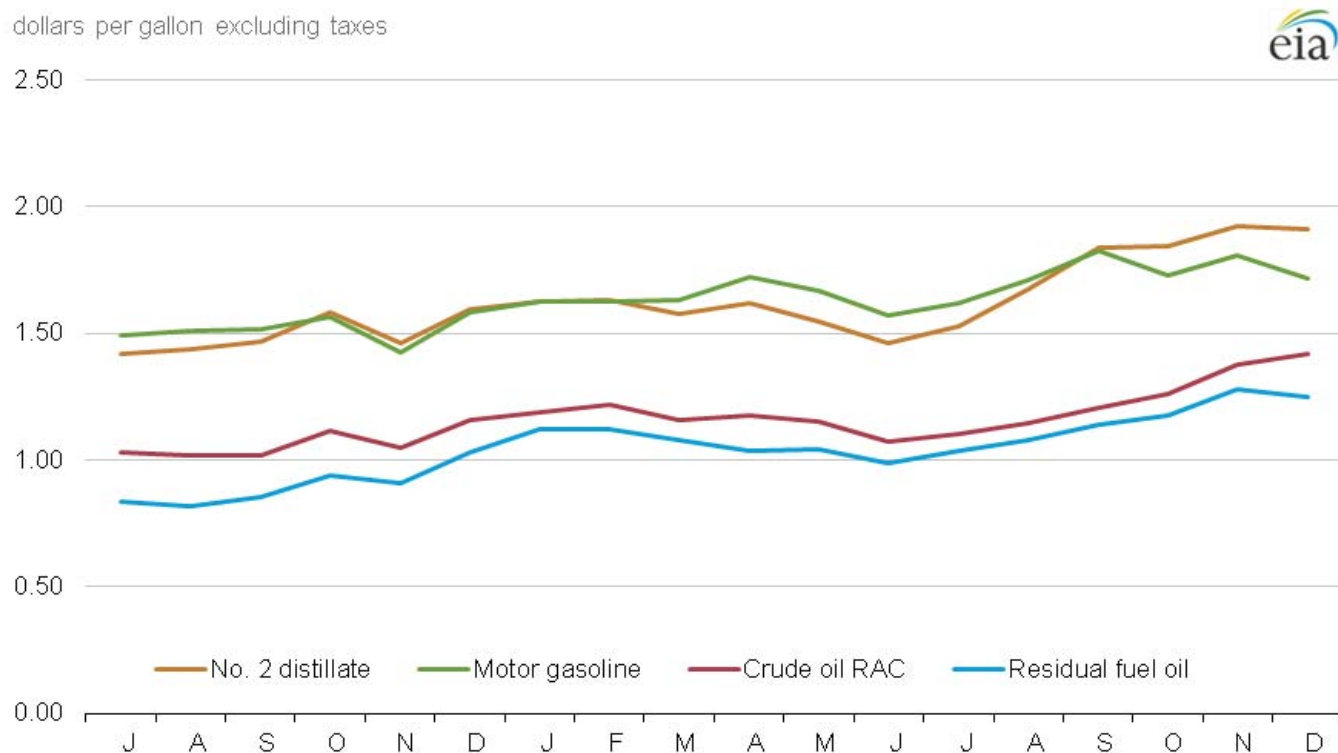
W = Withheld to avoid disclosure of individual company data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 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



July 2016 - December 2017

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						
January	27.02	23.67	27.36	32.17	27.48	29.99
February	25.52	24.68	27.04	30.28	26.66	28.53
March	31.87	29.74	32.06	35.29	32.24	33.82
April	35.59	32.73	35.43	39.30	35.90	37.71
May	41.02	38.31	40.73	44.77	40.88	42.88
June	43.96	41.92	43.55	47.57	44.13	45.96
July	40.71	38.76	41.05	44.88	41.48	43.26
August	40.46	38.26	40.40	44.18	41.21	42.70
September	40.55	38.28	40.81	44.47	40.86	42.73
October	45.00	42.36	43.97	48.66	44.76	46.85
November	41.65	40.12	42.59	46.10	41.80	44.06
December	47.12	44.52	46.74	50.45	46.72	48.66
2016 average	38.29	36.37	38.56	42.41	38.75	40.66
2017						
January	48.19	44.63	47.05	51.81	48.12	49.99
February	49.41	45.88	48.10	53.15	49.38	51.24
March	46.39	44.08	46.22	50.60	46.53	48.65
April	47.23	43.58	46.00	51.34	47.47	49.47
May	45.19	43.74	46.13	49.58	46.94	48.34
June	42.19	41.35	43.82	46.17	43.93	45.17
July	43.42	42.09	44.70	47.44	45.02	46.32
August	44.96	44.18	46.92	48.71	47.61	48.19
September	47.17	46.47	49.74	51.14	50.37	50.79
October	49.13	47.22	R50.93	53.69	51.80	52.86
November	R55.19	R51.94	R55.67	R58.85	R56.36	R57.75
December	56.98	53.60	56.13	R60.97	R57.56	R59.53
2017 average	48.05	45.40	48.19	52.01	49.14	50.68
2018						
January [c]	NA	NA	NA	E65.71	E61.40	E63.72

NA = Not available.

E = Estimated data.

R = Revised data.

[a] Free on Board. See Glossary.

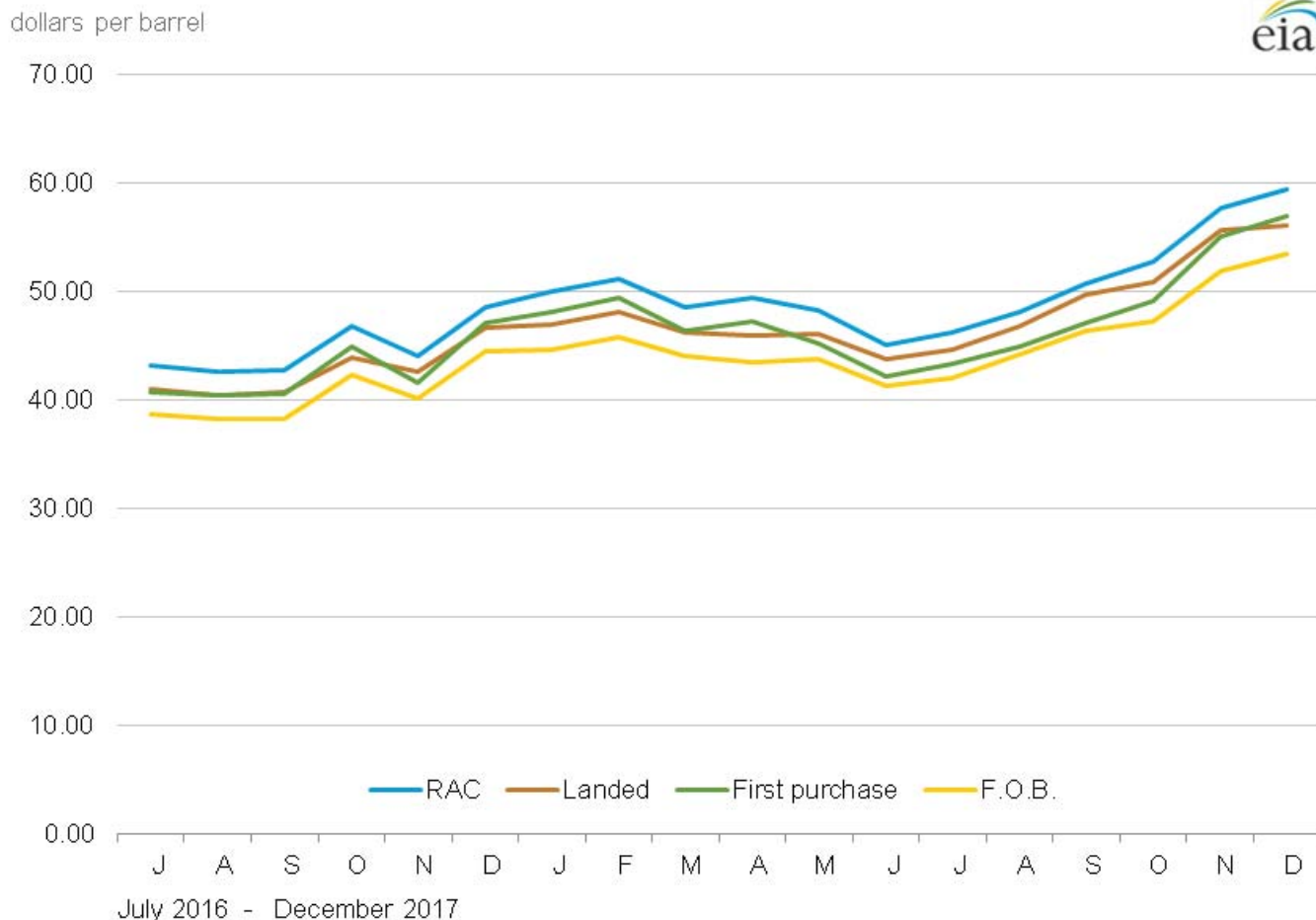
[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

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

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values for Domestic First Purchase Price and Refiner Acquisition Cost for the current 2 months, and for Average F.O.B. and Average Landed Costs, for the current 3 months are preliminary. Values shown for previous months may be revised. Data through 2016 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									
January	32.17	27.48	29.99	33.12	31.44	32.02	32.47	25.60	28.85
February	30.28	26.66	28.53	32.90	30.86	31.36	30.65	24.00	27.01
March	35.29	32.24	33.82	39.12	36.17	36.91	36.37	29.60	32.80
April	39.30	35.90	37.71	43.85	39.19	40.32	40.29	34.08	37.04
May	44.77	40.88	42.88	49.14	43.95	45.24	46.03	38.48	42.47
June	47.57	44.13	45.96	50.67	47.17	48.12	49.34	41.86	45.81
July	44.88	41.48	43.26	48.37	45.03	45.61	45.70	39.13	42.60
August	44.18	41.21	42.70	48.18	45.15	45.63	45.57	38.43	42.10
September	44.47	40.86	42.73	47.25	44.33	44.98	45.61	37.69	41.79
October	48.66	44.76	46.85	51.04	48.09	48.57	50.17	43.02	46.74
November	46.10	41.80	44.06	48.91	46.25	46.70	46.61	39.20	42.79
December	50.45	46.72	48.66	54.67	50.46	51.30	51.86	43.82	47.51
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	44.12	48.06
May	49.58	46.94	48.34	54.64	50.66	51.17	49.72	44.64	47.27
June	46.17	43.93	45.17	52.47	47.87	48.38	46.39	41.59	44.14
July	47.44	45.02	46.32	54.32	48.41	48.92	47.81	42.13	44.99
August	48.71	47.61	48.19	56.03	50.70	51.02	49.34	44.57	46.95
September	51.14	50.37	50.79	56.14	54.06	54.24	51.08	45.39	48.22
October	53.69	51.80	52.86	58.25	55.31	55.55	53.16	45.71	49.59
November	R58.85	R56.36	R57.75	62.13	60.85	61.00	R58.26	R50.75	R54.69
December	R60.97	R57.56	R59.53	64.57	63.94	64.04	59.64	50.87	55.54
2017	52.01	49.14	50.68	56.98	53.46	53.87	52.03	45.21	48.63

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									
January	32.48	26.96	30.31	29.77	23.46	26.50	30.82	30.56	30.69
February	30.23	26.16	28.53	28.49	20.75	24.75	29.92	30.96	30.43
March	34.37	31.61	33.17	36.04	27.85	32.35	36.49	36.15	36.32
April	38.65	34.49	37.05	39.41	33.72	36.59	39.69	39.66	39.67
May	43.96	39.63	42.13	44.71	36.54	40.77	45.13	45.37	45.27
June	47.03	43.73	45.68	47.33	39.53	43.74	46.45	47.18	46.85
July	44.82	40.91	43.23	44.15	37.09	40.78	43.45	44.35	43.95
August	44.23	40.99	42.78	38.63	37.08	37.94	43.13	43.37	43.26
September	43.99	40.53	42.50	43.71	36.49	40.22	44.44	44.95	44.72
October	48.06	44.02	46.51	49.12	40.74	44.64	48.28	47.61	47.94
November	45.74	41.46	43.98	44.68	37.67	41.22	46.79	44.98	45.96
December	49.71	47.00	48.56	50.11	41.48	46.09	50.97	50.06	50.53
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	49.50	49.19	40.95	45.53	52.31	50.78	51.48
May	49.38	46.24	48.16	48.03	42.03	45.68	50.25	49.78	49.98
June	45.87	43.37	44.94	44.97	40.31	43.17	46.91	46.53	46.72
July	47.00	44.50	46.06	46.30	42.36	44.55	48.78	48.53	48.64
August	48.03	47.43	47.82	48.76	42.63	46.02	50.27	50.44	50.37
September	50.66	51.30	50.88	50.47	43.58	47.34	53.23	53.92	53.62
October	53.34	53.04	53.23	51.66	44.11	48.56	56.57	56.09	56.32
November	R58.57	56.61	R57.89	R56.98	R49.24	R53.78	61.56	61.45	61.50
December	61.08	58.51	60.23	57.78	48.21	53.79	63.05	62.02	62.54
2017	51.68	49.16	50.73	50.43	43.05	47.19	53.44	52.77	53.08

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 2016 are final.

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

Table 2. U.S. refiner prices of petroleum products to end users
dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1985	0.912	1.201	0.796	0.717	1.030	0.880	0.789	0.849	0.799	0.773	0.610
1986	0.624	1.011	0.529	0.745	0.790	0.620	0.478	0.560	0.491	0.489	0.343
1987	0.669	0.907	0.543	0.701	0.770	0.604	0.551	0.581	0.556	0.513	0.423
1988	0.673	0.891	0.513	0.714	0.738	0.564	0.500	0.544	0.507	0.461	0.334
1989	0.756	0.995	0.592	0.615	0.709	0.661	0.585	0.587	0.585	0.512	0.385
1990	0.883	1.120	0.766	0.745	0.923	0.819	0.725	0.734	0.726	0.622	0.444
1991	0.797	1.047	0.652	0.730	0.838	0.740	0.648	0.665	0.650	0.580	0.340
1992	0.787	1.027	0.610	0.643	0.788	0.666	0.619	0.627	0.620	0.526	0.336
1993	0.759	0.990	0.580	0.673	0.754	0.666	0.602	0.602	0.602	0.501	0.337
1994	0.738	0.957	0.534	0.530	0.660	0.640	0.554	0.572	0.556	0.501	0.352
1995	0.765	1.005	0.540	0.492	0.589	0.620	0.560	0.562	0.560	0.505	0.392
1996	0.847	1.116	0.651	0.605	0.740	0.726	0.681	0.673	0.680	0.603	0.455
1997	0.839	1.128	0.613	0.552	0.745	0.689	0.642	0.636	0.642	0.565	0.423
1998	0.673	0.975	0.452	0.405	0.501	0.551	0.494	0.482	0.492	0.428	0.305
1999	0.781	1.059	0.543	0.458	0.605	0.621	0.584	0.558	0.580	0.474	0.374
2000	1.106	1.306	0.899	0.603	1.123	0.988	0.935	0.927	0.934	0.769	0.602
2001	1.032	1.323	0.775	0.506	1.045	0.902	0.842	0.829	0.840	0.679	0.531
2002	0.947	1.288	0.721	0.419	0.990	0.828	0.762	0.737	0.759	0.657	0.569
2003	1.156	1.493	0.872	0.577	1.224	1.017	0.944	0.933	0.942	0.856	0.698
2004	1.435	1.819	1.207	0.839	1.160	1.262	1.243	1.173	1.235	1.017	0.739
2005	1.829	2.231	1.735	1.089	1.957	1.832	1.786	1.705	1.777	W	1.048
2006	2.128	2.682	1.998	1.358	2.244	2.137	2.096	1.982	2.091	W	1.218
2007	2.345	2.849	2.165	1.489	2.263	2.286	2.267	2.241	2.266	W	1.374
2008	2.775	3.273	3.052	1.892	3.283	2.983	3.150	2.986	3.143	W	1.964
2009	1.888	2.442	1.704	1.220	2.675	2.141	1.834	1.962	1.840	W	1.341
2010	2.301	3.028	2.201	1.481	3.063	2.705	2.314	2.462	2.318	W	1.713
2011	3.050	3.803	3.054	1.709	3.616	3.467	3.117	3.193	3.119	W	2.401
2012	3.154	3.971	3.104	1.139	3.843	3.580	3.202	3.358	3.206	W	2.592
2013	3.049	3.932	2.979	1.028	3.842	3.483	3.122	3.335	3.126	W	2.482
2014	2.855	3.986	2.772	1.097	W	3.117	2.923	3.329	2.924	W	2.325
2015	2.003	W	1.629	0.481	W	1.822	1.819	2.016	1.821	W	1.285
2016											
January	1.505	W	1.038	0.377	W	NA	1.198	1.450	1.201	W	0.710
February	1.332	W	1.032	0.409	W	NA	1.185	1.407	1.187	-	0.632
March	1.552	W	1.133	0.481	W	1.610	1.317	1.555	1.318	-	0.693
April	1.725	W	1.187	0.472	W	1.706	1.386	1.631	1.388	W	0.782
May	1.869	W	1.342	0.533	W	W	1.555	1.733	1.555	-	0.922
June	1.961	W	1.464	0.514	W	2.041	1.661	1.861	1.662	W	0.983
July	1.804	W	1.393	0.491	W	1.911	1.577	1.814	1.578	W	1.030
August	1.754	W	1.330	0.460	W	1.890	1.577	NA	1.578	W	0.990
September	1.788	W	1.394	0.507	W	1.977	1.601	1.805	1.602	W	1.076
October	1.819	W	1.506	0.599	W	2.048	1.706	1.941	1.708	W	1.115
November	1.759	W	1.426	0.557	W	2.050	1.599	1.787	1.601	-	1.106
December	1.849	W	1.539	0.666	W	NA	1.718	1.997	1.721	-	1.230
2016	1.730	W	1.319	0.498	W	1.702	1.511	1.716	1.512	W	0.945
2017											
January	1.900	W	1.584	0.774	W	2.138	1.747	NA	1.750	W	1.309
February	1.862	W	1.615	0.814	W	2.190	1.755	2.033	1.757	W	1.291
March	1.904	W	1.554	0.657	W	2.142	1.699	1.909	1.701	W	1.239
April	1.997	W	1.595	0.652	W	W	1.747	2.081	1.748	W	1.201
May	1.963	W	1.492	0.650	2.637	W	1.693	NA	1.694	W	1.213
June	1.906	W	1.434	0.611	2.600	2.018	1.618	1.739	1.618	W	1.195
July	1.871	W	1.478	0.667	2.621	W	1.665	1.728	1.665	-	1.211
August	1.952	W	1.613	0.768	2.579	W	1.792	1.904	1.793	W	1.204
September	2.154	W	1.795	0.895	2.703	2.382	1.959	2.044	1.959	W	1.314
October	2.042	W	1.743	0.972	W	2.452	1.982	2.048	1.983	-	1.304
November	2.122	W	R1.831	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

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

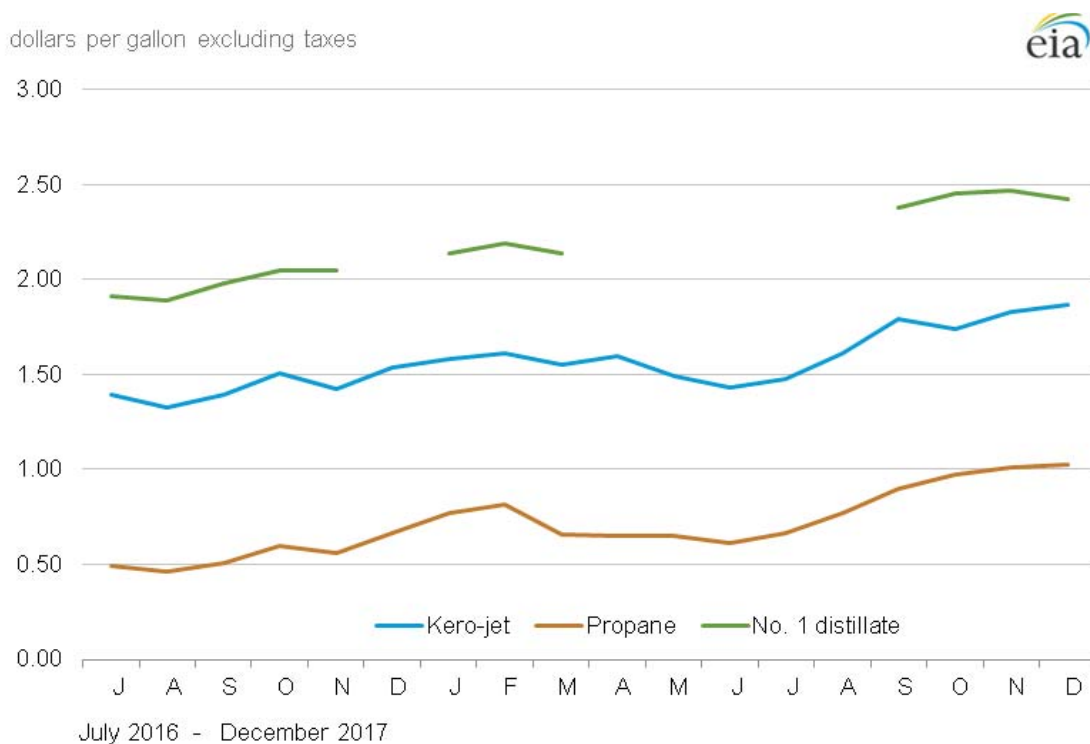
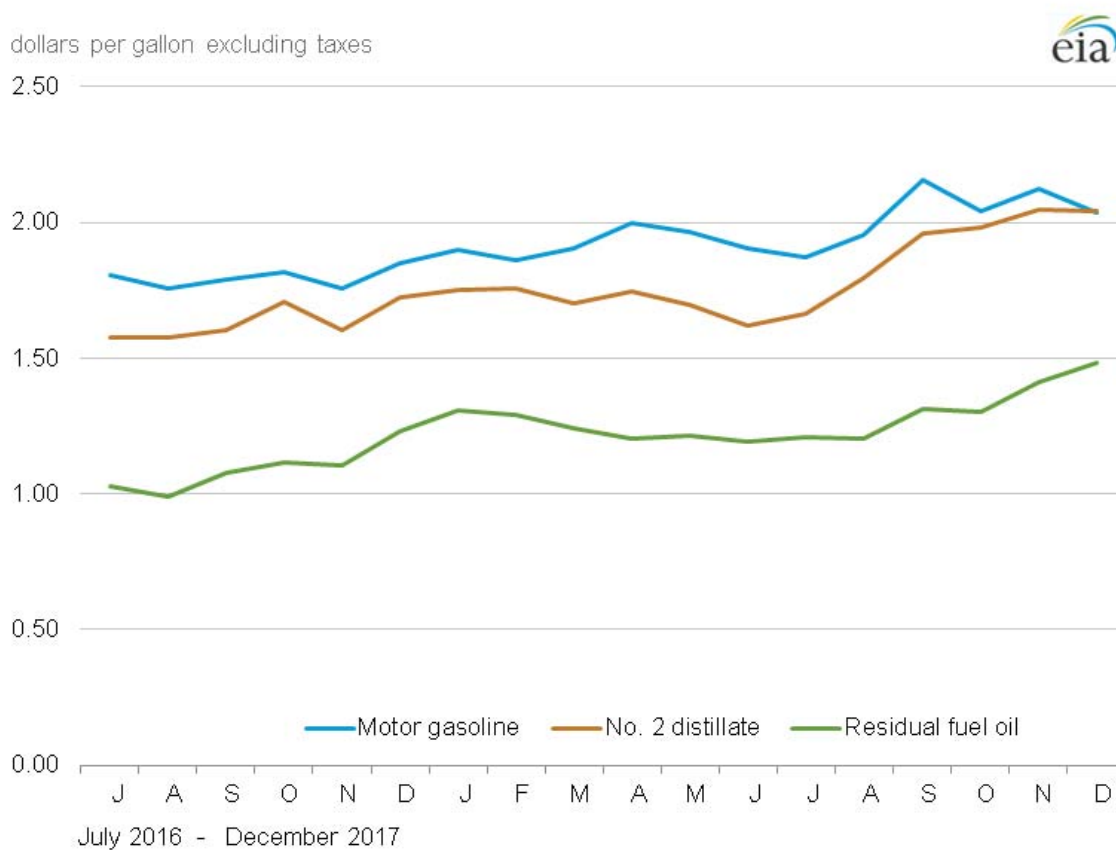
R = Revised data.

[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 2016 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]	
1985	57.5	0.3	34.6	3.7	0.3	0.5	25.0	5.0	29.9	0.5	25.2
1986	61.2	0.3	35.1	3.4	0.3	0.4	24.4	4.4	28.8	0.7	31.6
1987	61.0	0.2	36.8	3.8	0.3	0.4	24.1	4.5	28.5	0.8	29.0
1988	61.0	0.2	38.2	4.3	0.3	0.4	24.5	4.6	29.1	1.1	30.2
1989	61.2	0.2	40.1	2.8	0.3	0.5	24.3	4.5	28.8	0.9	30.4
1990	60.3	0.2	39.9	2.7	0.2	0.5	22.2	3.6	25.9	0.8	25.9
1991	61.2	0.2	38.5	3.1	0.2	0.5	21.1	3.2	24.4	0.7	24.0
1992	59.0	0.2	39.8	3.8	0.2	0.5	21.5	3.1	24.6	0.6	22.4
1993	57.2	0.2	41.7	3.5	0.2	0.4	20.8	2.9	23.8	0.6	17.2
1994	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
1995	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
1996	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
1997	61.1	0.2	49.7	3.2	0.3	0.4	22.0	3.0	25.0	0.3	13.4
1998	63.3	0.2	48.9	3.1	0.4	0.4	21.1	3.2	24.3	0.3	14.4
1999	62.0	0.1	47.0	3.6	0.2	0.3	21.1	3.0	24.1	0.3	13.9
2000	60.9	0.2	49.3	2.9	0.2	0.3	22.6	2.8	25.4	0.3	13.1
2001	62.0	0.1	49.7	3.6	0.2	0.3	22.9	3.0	26.0	0.4	14.8
2002	63.6	0.1	49.1	2.6	0.1	0.3	19.6	3.0	22.6	0.4	10.4
2003	63.8	0.1	44.0	2.5	0.1	0.3	16.7	2.7	19.5	0.3	10.7
2004	58.4	0.1	46.4	2.7	0.5	0.2	16.9	2.4	19.3	0.3	10.2
2005	59.0	0.1	45.2	3.2	0.1	0.3	17.0	2.1	19.1	W	10.4
2006	60.0	0.1	42.1	2.7	0.1	0.2	24.2	1.2	25.4	W	10.4
2007	57.7	0.1	40.1	3.3	0.1	0.2	23.6	0.8	24.3	W	10.9
2008	55.1	0.1	39.9	2.7	NA	0.1	19.9	0.9	20.8	W	8.4
2009	49.8	0.2	38.0	3.7	NA	0.1	16.9	0.9	17.8	W	8.5
2010	44.7	0.1	34.8	3.9	0.0	0.1	15.3	0.4	15.8	W	7.6
2011	39.0	0.1	33.3	4.5	0.0	0.1	13.4	0.4	13.8	W	6.4
2012	29.7	0.1	32.5	5.6	0.0	0.1	12.2	0.3	12.5	W	5.5
2013	24.7	0.0	31.4	5.3	0.0	0.1	11.5	0.2	11.7	W	5.2
2014	21.6	0.0	31.3	4.9	W	0.1	11.9	0.1	11.9	W	4.6
2015	25.5	W	33.4	5.6	W	0.1	12.6	0.1	12.7	W	4.0
2016											
January	24.4	W	31.0	8.6	W	NA	12.1	0.1	12.2	W	4.1
February	25.2	W	28.5	7.4	W	NA	12.6	0.1	12.8	-	3.9
March	25.2	W	30.8	6.1	W	0.1	12.2	0.1	12.3	-	4.1
April	25.9	W	30.6	5.8	W	0.1	12.1	0.1	12.1	W	4.2
May	26.0	W	30.9	5.5	W	W	12.5	0.1	12.5	-	3.9
June	26.7	W	32.7	6.0	W	0.0	12.5	0.1	12.6	W	3.8
July	26.3	W	32.1	4.2	W	0.0	12.6	0.0	12.6	W	4.3
August	26.5	W	32.7	6.9	W	0.0	13.6	0.1	13.7	W	4.4
September	26.4	W	32.2	6.3	W	0.0	13.2	0.1	13.3	W	4.7
October	25.9	W	30.2	5.0	W	0.1	13.1	0.1	13.2	W	4.4
November	24.6	W	31.6	5.3	W	0.1	13.2	0.2	13.3	-	4.0
December	24.1	W	31.3	6.4	W	NA	11.9	0.1	12.0	-	4.2
2016	25.6	W	31.2	6.1	W	0.1	12.6	0.1	12.7	W	4.2
2017											
January	22.9	W	28.7	5.7	W	0.1	12.2	NA	12.4	W	3.9
February	23.8	W	30.6	6.4	W	0.1	12.0	0.1	12.1	W	4.4
March	24.5	W	33.1	5.1	W	0.1	12.8	0.1	12.9	W	4.6
April	24.3	W	30.9	5.8	W	W	12.0	0.1	12.0	W	3.8
May	24.9	W	31.6	6.7	0.0	W	12.4	NA	12.5	W	3.8
June	25.7	W	33.2	5.0	0.0	0.0	12.3	0.0	12.3	W	3.7
July	24.8	W	32.7	5.0	0.0	W	12.0	0.1	12.1	-	3.4
August	25.2	W	32.1	5.8	0.0	W	12.7	0.1	12.8	W	3.7
September	24.6	W	30.4	4.9	0.0	0.1	12.4	0.1	12.4	W	4.1
October	24.9	W	29.5	3.9	W	0.1	12.3	0.1	12.4	-	3.5
November	24.3	W	R30.4	4.4	W	0.1	R12.7	0.2	R12.9	-	4.3
December	24.1	W	28.9	3.1	W	0.1	11.4	0.1	11.5	-	4.6

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

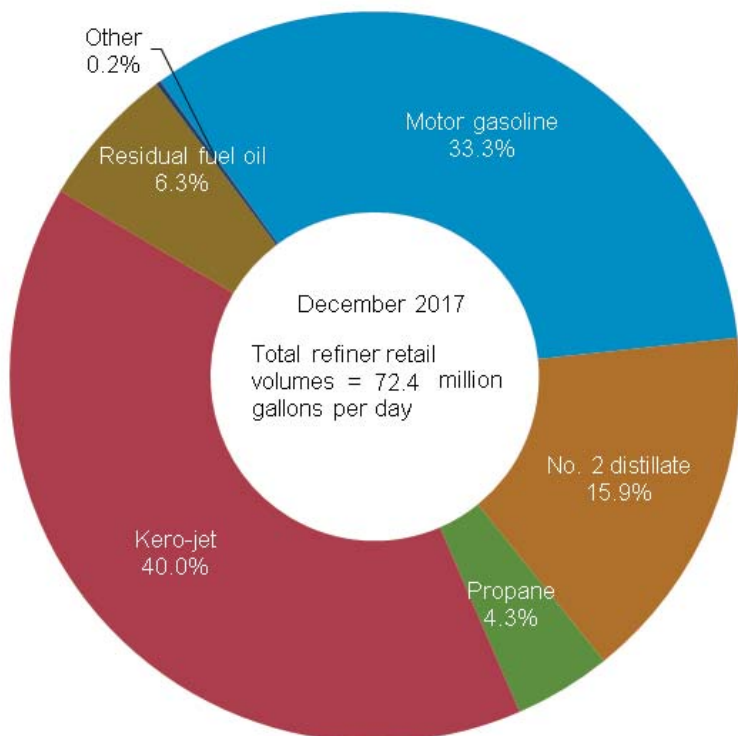
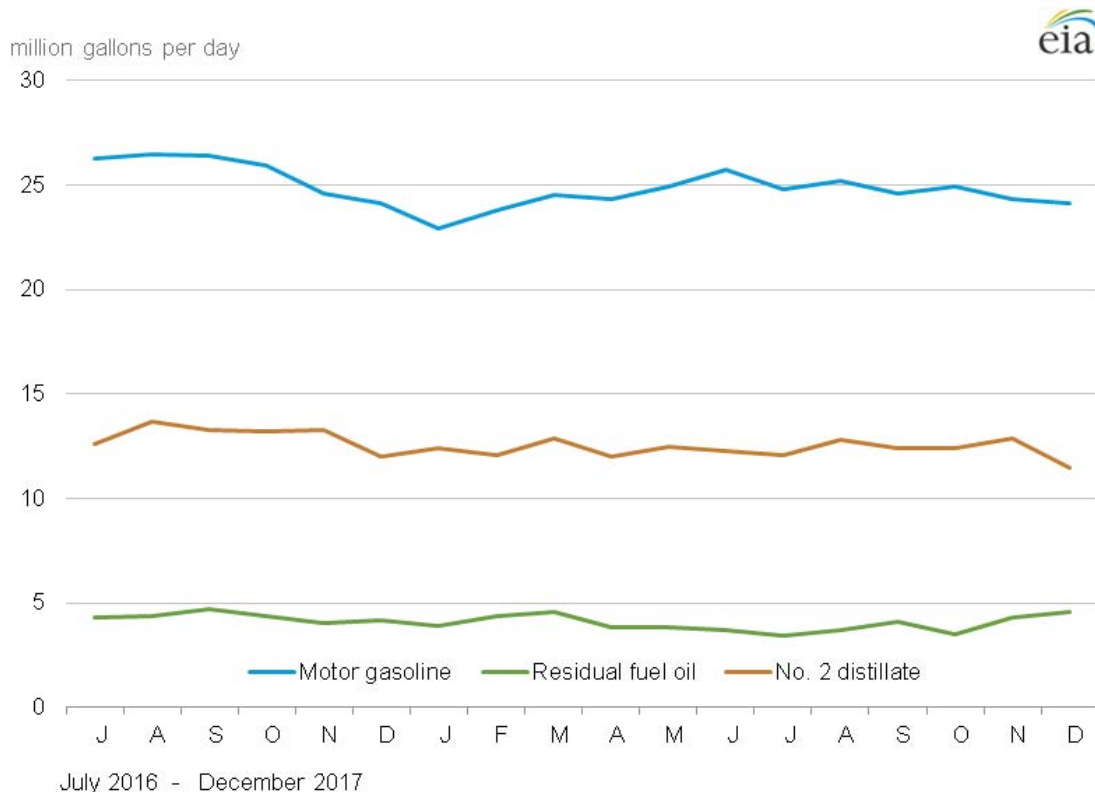
R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 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]	
1985	0.835	1.130	0.794	0.398	0.874	0.863	0.772	0.776	0.774	0.672	0.577
1986	0.531	0.912	0.495	0.290	0.606	0.579	0.452	0.486	0.470	0.409	0.305
1987	0.589	0.859	0.538	0.252	0.592	0.599	0.534	0.527	0.531	0.462	0.385
1988	0.577	0.850	0.495	0.240	0.549	0.549	0.473	0.473	0.473	0.425	0.300
1989	0.654	0.950	0.583	0.247	0.669	0.668	0.567	0.565	0.566	0.480	0.360
1990	0.786	1.063	0.773	0.386	0.839	0.838	0.694	0.697	0.695	0.590	0.413
1991	0.699	1.001	0.650	0.349	0.723	0.730	0.615	0.622	0.618	0.556	0.314
1992	0.677	0.991	0.605	0.328	0.632	0.652	0.591	0.579	0.585	0.495	0.308
1993	0.626	0.965	0.577	0.351	0.604	0.646	0.570	0.544	0.559	0.488	0.293
1994	0.599	0.933	0.534	0.324	0.618	0.615	0.529	0.506	0.522	0.462	0.317
1995	0.626	0.975	0.539	0.344	0.580	0.625	0.538	0.511	0.530	0.463	0.363
1996	0.713	1.055	0.646	0.461	0.714	0.751	0.659	0.639	0.653	0.603	0.420
1997	0.700	1.065	0.613	0.416	0.653	0.723	0.606	0.590	0.602	0.551	0.387
1998	0.526	0.912	0.450	0.288	0.465	0.513	0.444	0.422	0.439	0.383	0.280
1999	0.645	1.007	0.533	0.342	0.550	0.634	0.546	0.493	0.536	0.430	0.354
2000	0.963	1.330	0.880	0.595	0.969	1.019	0.898	0.886	0.896	0.778	0.566
2001	0.886	1.256	0.763	0.540	0.821	0.883	0.784	0.756	0.779	0.697	0.476
2002	0.828	1.146	0.716	0.431	0.752	0.805	0.724	0.694	0.718	0.663	0.530
2003	1.002	1.288	0.871	0.607	0.955	1.033	0.883	0.881	0.882	0.793	0.661
2004	1.288	1.627	1.208	0.751	1.271	1.289	1.187	1.125	1.178	1.033	0.681
2005	1.670	2.076	1.723	0.933	1.757	1.801	1.737	1.623	1.720	1.377	0.971
2006	1.969	2.490	1.961	1.031	2.007	2.044	2.012	1.834	1.991	1.395	1.136
2007	2.182	2.758	2.171	1.194	2.249	2.430	2.203	2.072	2.190	1.551	1.350
2008	2.586	3.342	3.020	1.437	2.851	2.712	2.994	2.745	2.970	2.157	1.866
2009	1.767	2.480	1.719	0.921	1.844	2.050	1.713	1.657	1.707	1.561	1.342
2010	2.165	2.874	2.185	1.212	2.299	2.573	2.214	2.147	2.208	W	1.697
2011	2.867	3.739	3.014	1.467	3.065	3.223	3.034	2.907	3.025	2.801	2.336
2012	2.929	3.919	3.080	1.033	3.163	3.349	3.109	3.031	3.103	W	2.457
2013	2.812	3.869	2.953	1.048	3.084	3.340	3.028	2.966	3.025	2.767	2.278
2014	2.618	3.687	2.763	1.165	2.882	3.213	2.812	2.741	2.809	2.333	2.044
2015	1.726	2.764	1.592	0.555	1.735	1.957	1.667	1.565	1.663	1.215	0.996
2016											
January	1.187	2.122	1.022	0.460	1.183	1.263	1.015	0.976	1.012	0.739	0.499
February	1.046	1.908	1.017	0.470	1.155	1.278	1.043	0.948	1.035	W	0.504
March	1.335	2.230	1.100	0.497	1.208	1.413	1.189	1.070	1.182	0.861	0.558
April	1.476	2.457	1.155	0.458	1.193	1.491	1.251	1.113	1.244	0.957	0.616
May	1.613	2.528	1.311	0.511	1.327	1.736	1.432	1.291	1.426	1.046	0.723
June	1.643	2.591	1.428	0.497	1.445	1.864	1.531	1.404	1.527	1.136	0.825
July	1.490	2.505	1.354	0.476	1.297	1.749	1.426	1.305	1.421	W	0.835
August	1.508	2.405	1.313	0.453	1.408	1.759	1.440	1.307	1.437	W	0.815
September	1.514	2.506	1.366	0.494	1.402	1.743	1.471	1.341	1.466	W	0.854
October	1.568	2.551	1.471	0.608	1.580	1.842	1.592	1.443	1.584	W	0.938
November	1.427	2.433	1.406	0.588	1.485	1.672	1.469	1.386	1.464	W	0.908
December	1.585	2.462	1.511	0.703	1.685	1.851	1.606	1.507	1.597	W	1.030
2016	1.454	2.404	1.295	0.523	1.383	1.589	1.378	1.239	1.370	0.956	0.745
2017											
January	1.627	2.614	1.561	0.788	1.761	1.964	1.636	1.560	1.629	W	1.119
February	1.625	2.592	1.592	0.792	1.657	1.882	1.641	1.553	1.634	W	1.121
March	1.634	2.618	1.520	0.671	1.580	1.854	1.581	1.495	1.575	W	1.077
April	1.723	2.724	1.545	0.641	1.572	1.953	1.627	1.499	1.620	W	1.039
May	1.668	2.620	1.459	0.631	1.481	1.920	1.552	1.447	1.548	W	1.043
June	1.574	2.552	1.378	0.585	1.360	1.823	1.465	1.375	1.461	W	0.991
July	1.621	2.608	1.436	0.634	1.468	1.869	1.533	1.392	1.529	W	1.039
August	1.711	2.710	1.587	0.742	1.630	1.997	1.681	1.522	1.675	W	1.079
September	1.826	2.893	1.771	0.864	1.809	2.207	1.847	1.668	1.841	W	1.138
October	1.730	2.716	1.704	0.942	1.805	2.206	1.852	1.695	1.846	W	1.176
November	1.806	2.841	R1.795	0.997	R1.961	R2.284	1.936	1.781	1.926	W	1.279
December	1.720	2.691	1.847	0.991	2.034	2.256	1.917	1.842	1.911	W	1.249

W = Withheld to avoid disclosure of individual company data.

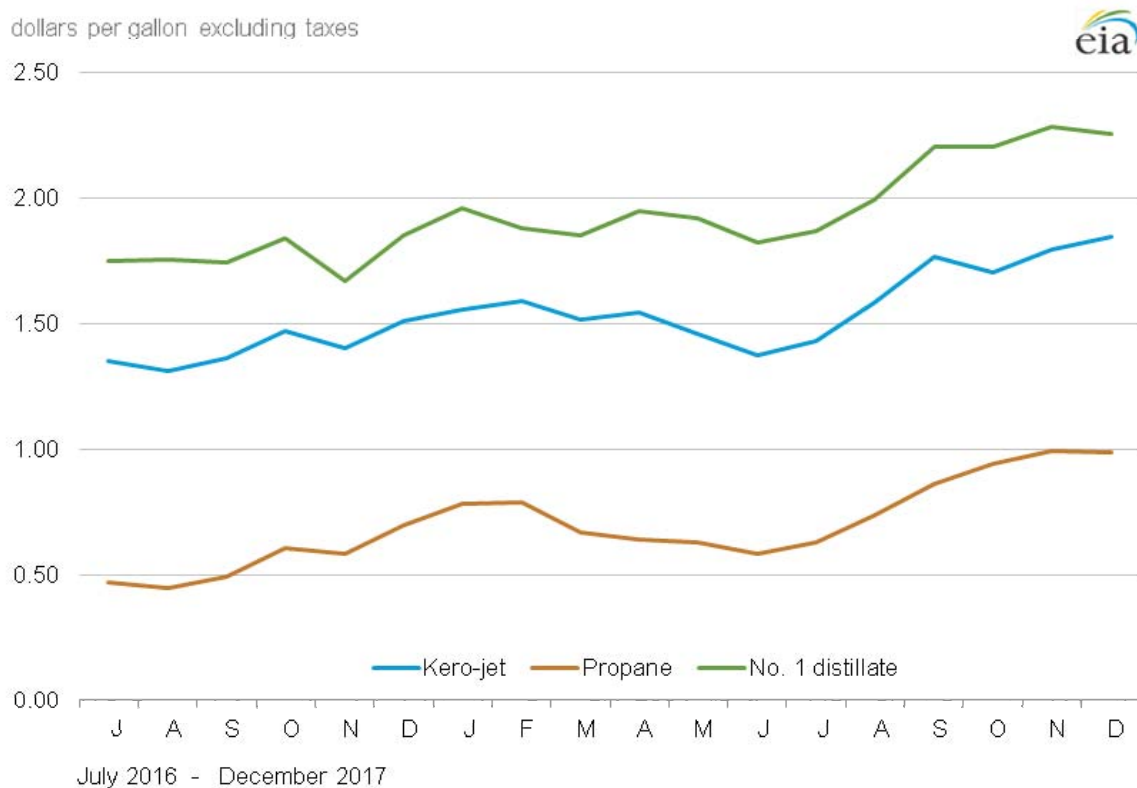
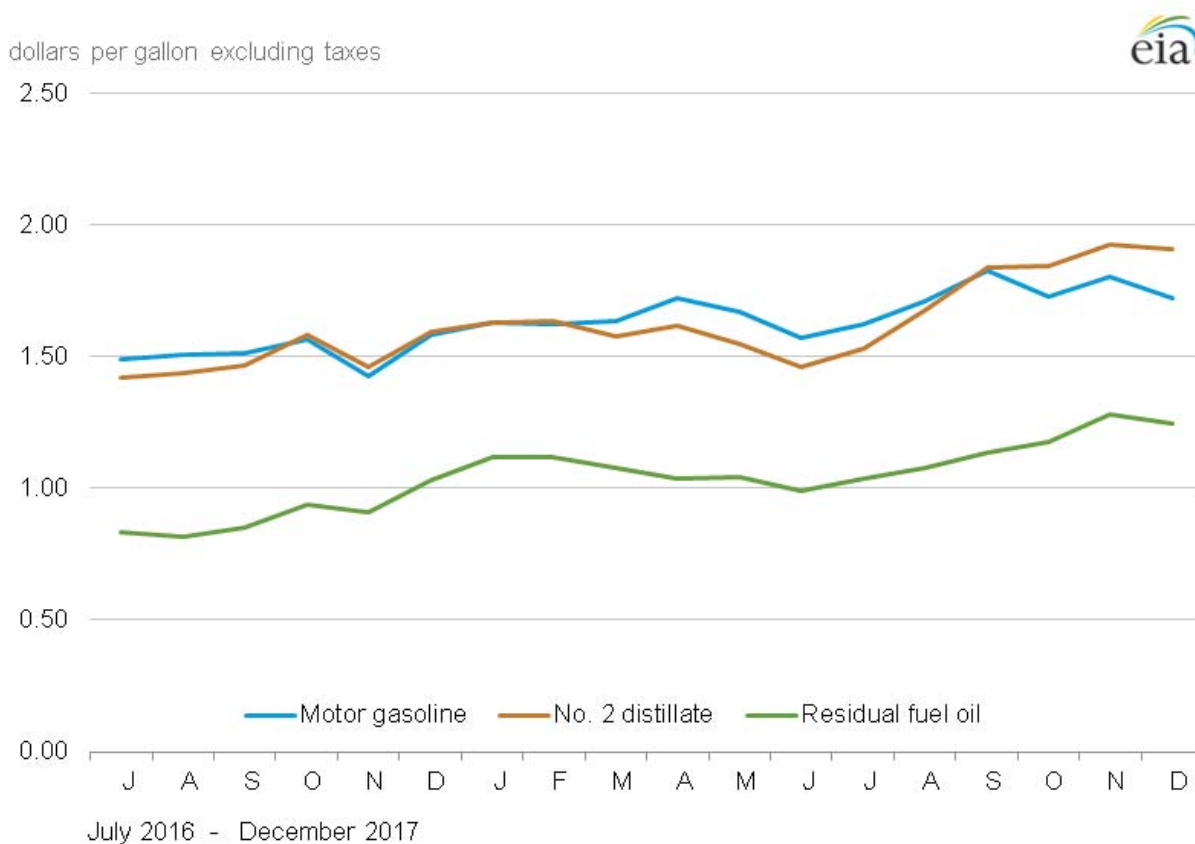
R = Revised data.

[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 2016 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]	
1985	256.9	0.7	7.6	29.2	2.4	2.7	43.3	53.9	97.3	1.2	19.9
1986	257.2	0.7	9.2	26.3	2.4	2.5	46.4	53.8	100.3	1.2	18.6
1987	257.2	0.8	10.1	27.0	2.3	2.0	44.3	49.3	93.6	1.5	16.9
1988	263.7	0.7	10.0	27.7	2.7	2.6	47.8	50.1	97.9	1.2	18.9
1989	260.7	0.7	8.6	25.9	2.7	2.7	50.7	46.7	97.5	1.2	21.0
1990	264.8	0.7	8.8	25.5	2.2	2.4	51.9	45.9	97.8	0.8	17.9
1991	261.3	0.7	8.7	25.4	2.1	2.4	51.5	46.9	98.3	0.4	17.8
1992	265.4	0.7	8.0	26.7	2.2	2.3	50.8	48.9	99.7	0.4	15.2
1993	266.9	0.6	8.3	27.9	2.3	2.3	58.0	43.6	101.7	0.4	12.6
1994	276.7	0.7	9.1	28.4	2.5	1.9	72.4	32.9	105.3	0.4	12.8
1995	288.8	0.6	9.9	30.6	2.4	1.7	75.9	31.0	106.9	0.3	13.6
1996	293.6	0.6	11.5	32.9	2.7	1.8	83.7	33.1	116.8	0.3	13.8
1997	292.7	0.6	11.3	32.2	2.5	1.6	88.7	31.2	119.9	0.2	11.5
1998	300.4	0.6	12.2	32.7	2.2	1.4	91.9	27.3	119.2	0.1	15.4
1999	306.9	0.7	15.2	33.6	2.4	1.7	95.5	24.3	119.9	0.2	11.5
2000	304.4	0.6	15.7	34.8	2.3	1.5	98.8	23.3	122.1	0.2	10.5
2001	305.2	0.6	14.3	35.0	2.2	1.4	101.3	25.2	126.4	0.1	10.3
2002	311.8	0.6	12.1	32.9	2.0	1.3	100.8	23.6	124.4	0.1	8.8
2003	311.6	0.5	12.2	36.5	2.3	1.2	108.9	20.9	129.8	0.1	6.7
2004	316.4	0.6	12.7	40.3	2.1	1.3	116.5	19.6	136.1	NA	5.9
2005	321.8	0.5	15.2	35.1	2.0	1.4	118.7	20.6	139.3	NA	4.7
2006	315.6	0.5	15.2	39.4	1.4	1.3	123.2	16.7	139.9	0.3	6.5
2007	319.8	0.5	16.6	41.7	1.4	0.9	135.3	14.5	149.8	0.3	8.2
2008	306.4	0.4	16.5	34.2	1.0	1.0	138.7	14.9	153.6	0.2	9.5
2009	307.4	0.4	15.2	31.8	1.3	1.0	128.0	15.1	143.1	0.1	9.8
2010	312.0	0.4	20.3	28.3	1.4	0.9	135.5	11.5	147.0	W	10.7
2011	296.3	0.4	23.0	28.6	1.2	1.0	134.6	10.7	145.3	0.1	12.2
2012	294.7	0.4	23.5	27.6	1.2	0.8	136.9	10.7	147.6	W	8.8
2013	291.0	0.4	26.4	34.9	1.3	1.0	142.9	7.7	150.6	0.1	9.0
2014	289.2	0.4	27.5	32.9	1.4	1.4	146.3	7.0	153.3	0.1	8.0
2015	298.7	0.4	28.6	31.6	1.2	1.2	146.5	6.7	153.2	0.2	8.1
2016											
January	285.3	0.3	29.3	45.5	1.6	2.4	130.5	12.3	142.8	0.2	9.3
February	295.0	0.4	28.6	43.8	1.5	1.7	132.9	12.8	145.7	W	9.3
March	303.8	0.4	28.5	29.1	0.6	0.7	137.7	8.5	146.2	0.2	9.2
April	302.5	0.6	28.2	26.1	0.8	0.3	137.4	7.7	145.1	0.2	9.0
May	305.8	0.4	29.7	27.4	0.9	0.1	137.5	6.8	144.3	0.1	9.9
June	314.9	0.5	30.9	25.5	0.7	0.1	138.6	4.8	143.4	0.1	8.9
July	315.9	0.5	31.2	24.1	0.9	0.1	131.3	4.9	136.3	W	7.6
August	314.8	0.6	31.8	29.2	1.5	0.2	142.3	3.8	146.1	W	8.1
September	307.8	0.4	32.0	28.4	1.0	0.5	142.8	6.0	148.8	W	7.9
October	301.9	0.4	30.9	33.1	1.2	1.0	144.3	8.2	152.4	W	7.1
November	299.6	0.4	30.4	35.4	1.4	1.7	142.9	9.1	151.9	W	7.2
December	298.5	0.4	32.3	41.2	1.9	3.2	141.0	14.4	155.4	W	7.6
2016	303.8	0.4	30.3	32.4	1.2	1.0	138.3	8.2	146.5	0.1	8.4
2017											
January	277.9	0.3	30.2	38.5	1.4	2.5	129.6	13.7	143.4	W	6.6
February	289.7	0.4	32.8	37.3	1.3	1.8	134.3	11.3	145.6	W	6.2
March	297.2	0.4	31.8	28.0	0.7	0.9	138.0	9.6	147.5	W	5.9
April	302.9	0.4	40.2	23.3	0.7	0.2	139.3	8.0	147.3	W	6.2
May	306.0	0.4	40.2	20.0	0.8	0.1	152.1	5.5	157.6	W	5.9
June	309.7	0.6	40.2	21.5	0.6	0.1	156.7	6.8	163.5	W	8.2
July	304.0	0.5	39.7	20.0	0.7	0.1	146.1	4.2	150.3	W	6.3
August	314.9	0.5	40.2	24.7	0.7	0.2	151.2	5.4	156.6	W	8.4
September	302.5	0.5	39.6	27.2	0.8	0.3	150.2	5.5	155.6	W	7.8
October	305.9	0.5	39.4	30.4	1.0	1.0	159.1	6.9	166.0	W	8.4
November	R304.8	0.4	R38.5	36.7	R1.3	R2.3	R153.5	10.7	R164.2	W	7.2
December	301.7	0.5	43.8	39.7	1.6	2.8	147.3	14.5	161.8	W	8.1

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

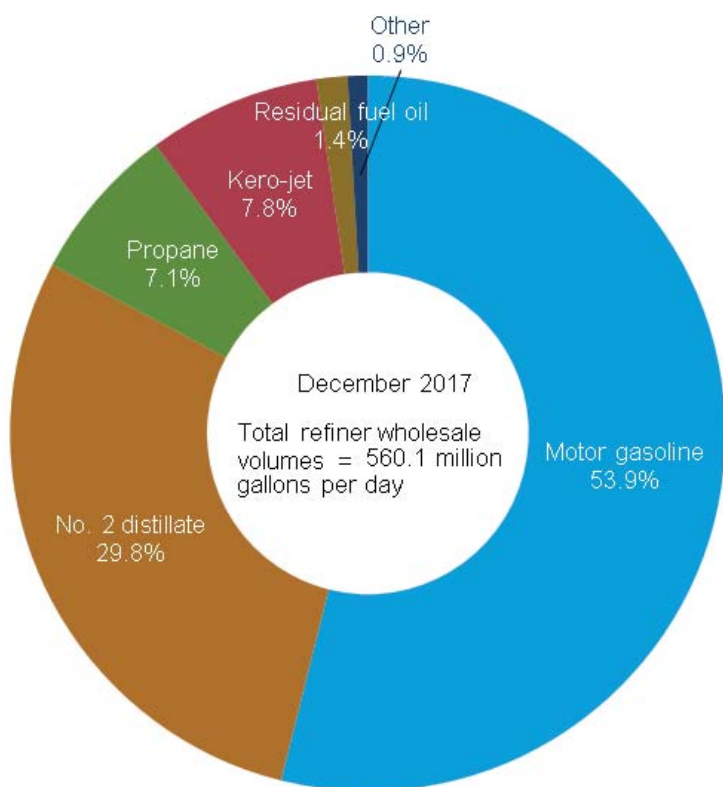
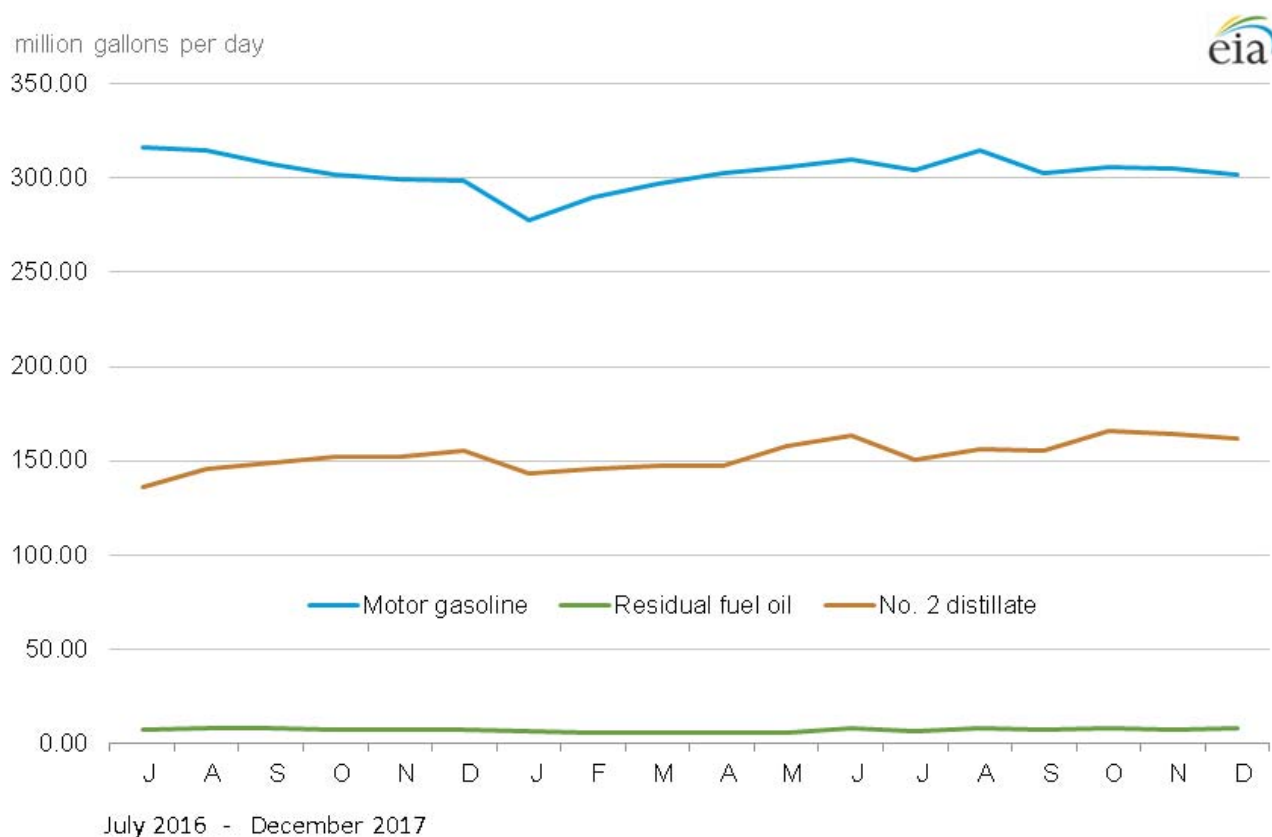
R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 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
1985	0.925	0.917	-	-	-	0.843	-	-	-	-	-	-
1986	0.624	0.616	-	-	-	0.522	-	-	-	-	-	-
1987	0.659	0.650	-	-	-	0.569	-	-	-	-	-	-
1988	0.649	0.641	-	-	-	0.548	-	-	-	-	-	-
1989	0.720	0.714	-	-	-	0.618	0.796	0.793	-	-	-	0.686
1990	0.853	0.849	-	-	-	0.758	0.923	0.921	-	-	-	0.814
1991	0.764	0.761	-	-	-	0.672	0.847	0.843	-	-	-	0.733
1992	0.746	0.743	-	-	-	0.645	0.831	0.827	-	-	-	0.708
1993	0.716	0.712	-	-	-	0.593	0.810	0.805	-	-	-	0.660
1994	0.695	0.689	0.646	0.547	0.502	0.566	0.791	0.785	0.704	0.584	NA	0.638
1995	0.723	0.717	0.682	0.576	0.534	0.593	0.813	0.808	0.737	0.619	NA	0.670
1996	0.812	0.807	0.770	0.672	0.622	0.685	0.901	0.896	0.824	0.709	NA	0.759
1997	0.803	0.798	0.764	0.656	0.615	0.673	0.898	0.895	0.822	0.694	0.711	0.749
1998	0.634	0.630	0.596	0.481	0.449	0.499	0.731	0.728	0.655	0.521	NA	0.576
1999	0.747	0.742	0.730	0.605	0.542	0.620	0.838	0.835	0.784	0.639	NA	0.696
2000	1.077	1.073	1.042	0.927	0.873	0.942	1.171	1.168	1.099	0.960	-	1.013
2001	1.000	0.997	0.977	0.848	0.786	0.865	1.103	1.100	1.042	0.888	-	0.945
2002	0.915	0.912	0.886	0.801	0.735	0.806	1.013	1.010	0.968	0.839	-	0.885
2003	1.127	1.123	1.134	0.965	0.888	0.981	1.222	1.218	1.196	1.004	-	1.061
2004	1.407	1.404	1.414	1.257	1.182	1.269	1.503	1.499	1.469	1.296	-	1.340
2005	1.805	1.802	1.765	1.653	1.568	1.654	1.896	1.893	1.821	1.681	-	1.708
2006	2.102	2.099	2.082	1.944	1.866	1.950	2.216	2.213	2.157	1.987	-	2.016
2007	2.318	2.315	2.278	2.161	2.074	2.161	2.440	2.438	2.351	2.226	-	2.245
2008	2.752	2.748	2.702	2.558	2.525	2.570	2.880	2.879	2.775	2.588	-	2.610
2009	1.860	1.856	1.866	1.744	1.668	1.747	1.998	1.997	1.957	1.762	-	1.784
2010	2.275	2.270	2.261	2.144	2.073	2.146	2.416	2.416	2.357	2.168	-	2.185
2011	3.028	3.021	2.961	2.846	2.762	2.847	3.165	3.165	3.057	2.880	-	2.893
2012	3.132	3.118	3.086	2.892	2.836	2.904	3.291	3.290	3.194	2.906	-	2.925
2013	3.029	3.010	2.907	2.769	2.747	2.779	3.200	3.199	3.038	2.862	-	2.876
2014	2.832	2.811	2.767	2.574	2.520	2.584	3.031	3.030	2.903	2.716	-	2.738
2015	1.939	1.938	2.105	1.654	1.604	1.681	2.225	2.224	2.252	1.824	-	1.872
2016												
January	1.426	1.426	1.648	1.101	1.148	1.142	1.760	1.759	1.794	1.257	-	1.321
February	1.257	1.256	1.351	0.977	0.985	1.003	1.555	1.554	1.499	1.118	-	1.165
March	1.487	1.485	1.638	1.273	1.198	1.291	1.745	1.744	1.808	1.441	-	1.486
April	1.658	1.656	1.757	1.412	1.336	1.431	1.927	1.926	1.886	1.574	-	1.612
May	1.806	1.806	1.805	1.559	1.455	1.568	2.047	2.046	1.928	1.716	-	1.741
June	1.901	1.900	1.866	1.585	1.513	1.598	2.123	2.121	1.996	1.749	-	1.776
July	1.729	1.729	1.781	1.421	1.411	1.444	2.025	2.024	1.893	1.592	-	1.627
August	1.687	1.687	1.643	1.458	1.390	1.465	1.945	1.944	1.781	1.619	-	1.637
September	1.716	1.716	1.759	1.449	1.438	1.469	1.996	1.995	1.895	1.617	-	1.650
October	1.748	1.748	1.791	1.505	1.478	1.523	2.027	2.027	1.935	1.676	-	1.706
November	1.685	1.684	1.673	1.361	1.393	1.384	1.987	1.985	1.797	1.521	-	1.552
December	1.784	1.783	1.687	1.541	1.473	1.547	2.032	2.031	1.831	1.685	-	1.702
2016	1.661	1.660	1.701	1.392	1.354	1.410	1.935	1.934	1.839	1.552	-	1.586
2017												
January	1.831	1.830	1.822	1.571	1.583	1.588	2.112	2.111	1.950	1.730	-	1.757
February	1.785	1.785	1.897	1.560	1.567	1.583	2.103	2.101	2.056	1.729	-	1.769
March	1.826	1.826	1.964	1.562	1.563	1.590	2.146	2.144	2.105	1.735	-	1.780
April	1.925	1.924	2.002	1.660	1.616	1.680	2.210	2.206	2.148	1.831	-	1.868
May	1.886	1.885	2.005	1.596	1.557	1.620	2.194	2.192	2.143	1.774	-	1.815
June	1.829	1.828	1.920	1.500	1.506	1.528	2.143	2.142	2.033	1.677	-	1.715
July	1.795	1.794	1.869	1.557	1.518	1.576	2.090	2.089	2.009	1.727	-	1.757
August	1.879	1.877	1.962	1.648	1.608	1.666	2.175	2.173	2.105	1.822	-	1.852
September	2.082	2.080	2.094	1.763	1.707	1.781	2.386	2.382	2.200	1.948	-	1.977
October	1.970	1.968	1.979	1.670	1.660	1.689	2.270	2.268	2.112	1.835	-	1.868
November	2.054	R2.052	2.037	1.748	R1.761	1.767	2.345	2.342	2.170	1.905	-	1.935
December	1.964	1.962	1.931	1.663	1.713	1.683	2.258	2.256	2.067	1.812	-	1.843

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
1985	1.030	1.023	-	-	-	0.922	0.921	0.912	-	-	-	0.835
1986	0.748	0.737	-	-	-	0.610	0.632	0.624	-	-	-	0.531
1987	0.790	0.784	-	-	-	0.671	0.678	0.669	-	-	-	0.589
1988	0.794	0.788	-	-	-	0.672	0.681	0.673	-	-	-	0.577
1989	0.874	0.868	-	-	-	0.749	0.763	0.756	-	-	-	0.654
1990	0.990	0.985	-	-	-	0.874	0.888	0.883	-	-	-	0.786
1991	0.912	0.907	-	-	-	0.792	0.800	0.797	-	-	-	0.699
1992	0.920	0.914	-	-	-	0.774	0.792	0.787	-	-	-	0.677
1993	0.896	0.889	-	-	-	0.722	0.765	0.759	-	-	-	0.626
1994	0.873	0.865	0.787	0.640	0.556	0.695	0.744	0.738	0.693	0.567	0.509	0.599
1995	0.897	0.890	0.822	0.673	0.583	0.722	0.771	0.765	0.729	0.598	0.540	0.626
1996	0.979	0.972	0.897	0.762	0.669	0.803	0.853	0.847	0.809	0.690	0.627	0.713
1997	0.979	0.973	0.895	0.749	0.658	0.792	0.844	0.839	0.803	0.674	0.620	0.700
1998	0.811	0.805	0.726	0.573	0.489	0.617	0.678	0.673	0.636	0.500	0.454	0.526
1999	0.912	0.906	0.851	0.687	0.585	0.726	0.785	0.781	0.765	0.621	0.549	0.645
2000	1.250	1.242	1.174	1.017	0.927	1.055	1.111	1.106	1.074	0.940	0.879	0.963
2001	1.181	1.175	1.112	0.936	0.830	0.980	1.035	1.032	1.009	0.862	0.791	0.886
2002	1.094	1.088	1.030	0.899	0.800	0.928	0.949	0.947	0.922	0.816	0.741	0.828
2003	1.312	1.305	1.269	1.064	0.955	1.113	1.160	1.156	1.164	0.978	0.893	1.002
2004	1.603	1.596	1.553	1.361	1.274	1.408	1.439	1.435	1.442	1.270	1.187	1.288
2005	2.000	1.992	1.901	1.760	1.696	1.789	1.833	1.829	1.791	1.664	1.576	1.670
2006	2.326	2.320	2.231	2.093	1.988	2.117	2.131	2.128	2.110	1.959	1.873	1.969
2007	2.558	2.552	2.460	2.339	2.209	2.357	2.349	2.345	2.311	2.180	2.080	2.182
2008	2.971	2.965	2.846	2.718	2.689	2.746	2.778	2.775	2.726	2.572	2.532	2.586
2009	2.128	2.122	2.059	1.941	1.816	1.958	1.892	1.888	1.899	1.761	1.675	1.767
2010	2.543	2.536	2.446	2.334	2.187	2.346	2.306	2.301	2.293	2.162	2.078	2.165
2011	3.291	3.283	3.139	3.047	2.873	3.049	3.058	3.050	2.990	2.864	2.769	2.867
2012	3.413	3.400	3.273	3.149	3.102	3.163	3.168	3.154	3.117	2.916	2.861	2.929
2013	3.320	3.307	3.108	3.076	3.010	3.075	3.068	3.049	2.942	2.801	2.774	2.812
2014	3.152	3.138	2.941	2.878	2.783	2.880	2.876	2.855	2.800	2.606	2.548	2.618
2015	2.392	2.386	2.312	2.035	1.845	2.061	2.006	2.003	2.148	1.696	1.627	1.726
2016												
January	1.963	1.958	1.873	1.473	1.309	1.519	1.506	1.505	1.696	1.143	1.164	1.187
February	1.760	1.757	1.578	1.322	1.140	1.346	1.333	1.332	1.402	1.016	1.005	1.046
March	1.938	1.935	1.892	1.633	1.421	1.656	1.554	1.552	1.694	1.314	1.218	1.335
April	2.121	2.119	1.999	1.779	1.526	1.788	1.727	1.725	1.809	1.454	1.366	1.476
May	2.242	2.240	2.043	1.928	1.658	1.925	1.871	1.869	1.857	1.602	1.479	1.613
June	2.319	2.316	2.109	1.956	1.753	1.962	1.962	1.961	1.919	1.628	1.540	1.643
July	2.225	2.223	2.005	1.788	1.576	1.801	1.804	1.804	1.831	1.467	1.428	1.490
August	2.143	2.141	1.878	1.813	1.575	1.810	1.755	1.754	1.696	1.501	1.404	1.508
September	2.192	2.189	1.999	1.827	1.592	1.836	1.789	1.788	1.813	1.493	1.454	1.514
October	2.237	2.234	2.036	1.884	1.669	1.892	1.819	1.819	1.846	1.548	1.501	1.568
November	2.199	2.196	1.903	1.729	1.539	1.744	1.760	1.759	1.724	1.403	1.406	1.427
December	2.242	2.240	1.937	1.871	1.615	1.861	1.850	1.849	1.743	1.578	1.492	1.585
2016	2.134	2.132	1.939	1.757	1.535	1.767	1.731	1.730	1.754	1.434	1.374	1.454
2017												
January	2.323	2.320	2.065	1.908	1.761	1.922	1.902	1.900	1.876	1.607	1.601	1.627
February	2.322	2.318	2.162	1.908	1.793	1.940	1.863	1.862	1.956	1.598	1.584	1.625
March	2.365	2.362	2.213	1.921	1.756	1.953	1.905	1.904	2.019	1.602	1.589	1.634
April	2.423	2.421	2.249	2.015	1.821	2.036	1.998	1.997	2.058	1.701	1.636	1.723
May	2.411	2.408	2.257	1.963	1.777	1.994	1.964	1.963	2.062	1.639	1.578	1.668
June	2.361	2.358	2.149	1.860	1.730	1.892	1.908	1.906	1.971	1.543	1.533	1.574
July	2.304	2.300	2.116	1.912	1.757	1.934	1.872	1.871	1.925	1.599	1.544	1.621
August	2.387	2.382	2.216	2.008	1.845	2.028	1.954	1.952	2.019	1.691	1.633	1.711
September	2.593	2.589	2.335	2.129	2.038	2.152	2.157	2.154	2.147	1.805	1.737	1.826
October	2.479	2.475	2.225	2.009	1.862	2.031	2.044	2.042	2.034	1.708	1.681	1.730
November	2.558	2.554	2.285	R2.070	R1.902	2.086	2.125	2.122	2.091	1.784	R1.778	1.806
December	2.474	2.469	2.167	1.974	1.815	1.988	2.036	2.034	1.984	1.698	1.726	1.720

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 2016 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
1985	26.2	29.9	-	-	-	119.7	-	-	-	-	-	-
1986	30.9	34.7	-	-	-	127.0	-	-	-	-	-	-
1987	32.7	36.1	-	-	-	141.9	-	-	-	-	-	-
1988	34.2	37.3	-	-	-	153.6	-	-	-	-	-	-
1989	34.3	36.8	-	-	-	155.7	4.9	5.1	-	-	-	16.4
1990	36.7	38.8	-	-	-	174.5	7.4	7.6	-	-	-	23.1
1991	38.4	40.4	-	-	-	180.9	7.9	8.2	-	-	-	23.7
1992	36.5	38.4	-	-	-	182.2	8.9	9.2	-	-	-	27.5
1993	35.6	37.2	-	-	-	184.0	8.7	8.9	-	-	-	27.7
1994	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
1995	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
1996	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
1997	40.5	42.4	46.2	135.7	33.9	215.8	9.7	10.0	12.1	16.3	NA	28.4
1998	41.7	43.2	44.4	138.9	37.1	220.3	10.1	10.3	11.1	16.3	NA	27.4
1999	41.6	43.0	45.6	147.5	34.5	227.6	9.9	10.1	10.5	16.1	NA	26.6
2000	43.6	45.0	47.5	159.3	32.4	239.3	8.6	8.7	8.8	14.2	-	23.0
2001	45.0	46.3	47.2	163.2	33.0	243.5	8.3	8.4	7.8	13.3	-	21.1
2002	46.2	47.4	46.9	163.0	39.2	249.2	8.3	8.5	7.4	13.4	-	20.8
2003	47.3	48.6	43.5	171.4	40.1	255.0	7.8	7.9	5.5	13.1	-	18.6
2004	44.5	45.8	41.1	182.1	42.2	265.4	6.4	6.5	4.4	12.7	-	17.0
2005	46.4	47.5	37.5	189.8	45.8	273.2	5.9	6.0	3.2	13.5	-	16.7
2006	48.2	49.4	34.8	196.0	40.8	271.7	5.5	5.5	2.4	11.7	-	14.1
2007	47.0	47.8	34.0	195.7	46.8	276.6	5.0	5.0	2.0	11.7	-	13.7
2008	45.6	46.6	32.5	192.7	43.7	268.8	4.1	4.2	1.5	11.0	-	12.5
2009	40.5	42.2	32.4	196.8	39.3	268.5	3.5	3.5	1.3	10.2	-	11.5
2010	36.6	38.1	29.0	202.2	41.4	272.5	3.0	3.1	0.9	9.9	-	10.8
2011	32.1	33.5	24.9	204.9	30.5	260.2	2.5	2.5	0.7	8.5	-	9.2
2012	23.6	25.2	22.4	209.3	25.8	257.5	1.9	1.9	0.6	8.3	-	8.9
2013	19.3	20.9	22.7	209.2	22.3	254.2	1.6	1.6	0.6	6.7	-	7.2
2014	16.7	18.2	18.9	216.9	18.9	254.8	1.4	1.4	0.4	3.1	-	3.5
2015	20.8	21.1	18.0	224.2	19.6	261.8	1.7	1.8	0.3	2.7	-	3.1
2016												
January	19.9	20.2	17.2	214.4	18.2	249.8	1.7	1.7	0.3	2.4	-	2.8
February	20.4	20.7	18.0	222.4	16.7	257.0	1.8	1.8	0.3	2.4	-	2.7
March	20.5	20.7	18.1	224.8	23.1	266.0	1.8	1.8	0.3	2.4	-	2.8
April	21.0	21.3	18.4	228.7	16.0	263.1	1.8	1.8	0.3	2.5	-	2.9
May	21.1	21.3	18.3	228.6	19.1	266.0	1.8	1.8	0.3	2.6	-	3.0
June	21.7	21.9	18.2	235.5	20.4	274.1	1.9	1.9	0.3	2.7	-	3.1
July	21.4	21.6	18.0	232.3	22.7	273.0	1.9	1.9	0.3	2.7	-	3.0
August	21.5	21.7	18.4	233.9	21.8	274.1	1.9	1.9	0.3	2.7	-	3.0
September	21.4	21.6	18.0	229.9	20.6	268.5	1.9	1.9	0.3	2.5	-	2.8
October	21.1	21.4	17.8	229.7	16.2	263.6	1.8	1.8	0.3	2.4	-	2.7
November	20.1	20.3	17.4	228.3	16.5	262.2	1.7	1.7	0.3	2.4	-	2.7
December	19.6	19.8	17.6	227.2	16.2	261.0	1.7	1.7	0.3	2.2	-	2.5
2016	20.8	21.0	17.9	228.0	19.0	264.9	1.8	1.8	0.3	2.5	-	2.8
2017												
January	18.8	19.0	16.3	212.3	15.4	244.1	1.6	1.6	0.3	2.0	-	2.3
February	19.4	19.7	17.0	221.5	16.2	254.7	1.6	1.7	0.3	2.0	-	2.3
March	20.0	20.2	17.8	229.7	12.3	259.8	1.7	1.7	0.3	2.1	-	2.4
April	19.8	20.0	17.5	229.1	18.4	265.0	1.7	1.7	0.3	2.1	-	2.4
May	20.2	20.4	17.5	233.9	14.8	266.2	1.7	1.8	0.3	2.3	-	2.6
June	20.9	21.1	17.6	238.4	13.0	269.0	1.8	1.8	0.3	2.4	-	2.7
July	20.1	20.3	17.3	234.6	12.0	264.0	1.7	1.8	0.3	2.3	-	2.6
August	20.5	20.8	17.7	241.0	15.5	274.1	1.8	1.8	0.3	2.3	-	2.6
September	20.0	20.3	17.2	229.5	17.8	264.6	1.7	1.7	0.3	2.1	-	2.3
October	20.3	20.6	17.1	234.1	16.5	267.7	1.7	1.7	0.3	2.0	-	2.3
November	19.9	20.2	17.0	R231.5	R18.4	R266.8	1.7	1.7	0.3	2.0	-	2.2
December	19.8	20.0	16.8	229.4	17.7	263.9	1.6	1.7	0.3	1.9	-	2.1

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
1985	9.2	10.0	-	-	-	38.0	50.5	57.5	-	-	-	256.9
1986	9.0	9.8	-	-	-	45.1	54.2	61.2	-	-	-	257.2
1987	11.2	11.6	-	-	-	53.0	55.7	61.0	-	-	-	257.2
1988	13.8	14.5	-	-	-	62.4	56.7	61.0	-	-	-	263.7
1989	13.5	14.2	-	-	-	60.8	57.5	61.2	-	-	-	260.7
1990	11.2	11.7	-	-	-	53.7	57.4	60.3	-	-	-	264.8
1991	10.5	10.9	-	-	-	48.3	58.4	61.2	-	-	-	261.3
1992	10.3	10.7	-	-	-	51.7	56.4	59.0	-	-	-	265.4
1993	10.3	10.6	-	-	-	52.8	54.9	57.2	-	-	-	266.9
1994	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
1995	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
1996	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
1997	8.4	8.8	16.9	27.6	4.0	48.5	58.7	61.1	75.1	179.6	38.0	292.7
1998	9.6	9.9	17.4	30.9	4.3	52.7	61.4	63.3	73.0	186.1	41.4	300.4
1999	8.7	8.9	16.1	31.0	5.7	52.7	60.2	62.0	72.2	194.6	40.2	306.9
2000	6.9	7.1	13.0	24.4	4.7	42.1	59.1	60.9	69.4	197.9	37.1	304.4
2001	7.1	7.3	12.3	24.6	3.7	40.6	60.4	62.0	67.4	201.1	36.7	305.2
2002	7.5	7.8	12.5	25.2	4.1	41.8	62.1	63.6	66.9	201.7	43.3	311.8
2003	7.1	7.3	10.8	23.9	3.3	38.1	62.2	63.8	59.8	208.4	43.4	311.6
2004	5.9	6.1	9.4	22.3	2.3	34.0	56.9	58.4	54.8	217.1	44.5	316.4
2005	5.2	5.4	8.0	20.9	3.0	31.9	57.5	59.0	48.7	224.2	48.9	321.8
2006	4.9	5.1	7.1	20.3	2.4	29.7	58.6	60.0	44.3	228.0	43.2	315.6
2007	4.7	4.8	6.9	20.2	2.4	29.5	56.7	57.7	43.0	227.6	49.2	319.8
2008	4.2	4.3	5.9	17.1	1.9	25.0	53.9	55.1	39.9	220.8	45.7	306.4
2009	4.0	4.1	6.3	19.1	2.1	27.4	48.0	49.8	39.9	226.1	41.4	307.4
2010	3.4	3.5	5.7	20.9	2.1	28.7	43.1	44.7	35.7	232.9	43.5	312.0
2011	2.9	3.0	4.6	20.3	2.0	26.9	37.5	39.0	30.1	233.7	32.5	296.3
2012	2.5	2.6	4.2	21.6	2.6	28.4	28.0	29.7	27.2	239.2	28.4	294.7
2013	2.2	2.3	4.3	22.7	2.6	29.6	23.0	24.7	27.6	238.6	24.8	291.0
2014	1.9	2.0	4.2	24.4	2.3	30.9	19.9	21.6	23.5	244.5	21.2	289.2
2015	2.6	2.6	4.5	27.3	2.0	33.8	25.1	25.5	22.9	254.2	21.6	298.7
2016												
January	2.5	2.6	4.6	26.1	2.1	32.8	24.1	24.4	22.1	243.0	20.2	285.3
February	2.7	2.7	5.0	27.8	2.5	35.3	24.9	25.2	23.3	252.6	19.1	295.0
March	2.7	2.7	4.9	27.7	2.3	35.0	25.0	25.2	23.4	255.0	25.4	303.8
April	2.7	2.8	5.0	28.6	3.0	36.5	25.6	25.9	23.7	259.8	19.0	302.5
May	2.8	2.8	5.0	29.2	2.5	36.8	25.7	26.0	23.7	260.4	21.7	305.8
June	2.8	2.9	5.0	30.1	2.6	37.7	26.4	26.7	23.6	268.3	23.0	314.9
July	2.8	2.9	5.0	32.3	2.7	40.0	26.1	26.3	23.3	267.3	25.3	315.9
August	2.9	2.9	5.2	30.6	1.9	37.6	26.2	26.5	23.9	267.2	23.7	314.8
September	2.9	2.9	5.0	29.1	2.4	36.5	26.2	26.4	23.4	261.5	23.0	307.8
October	2.7	2.7	4.9	28.4	2.2	35.5	25.6	25.9	23.0	260.5	18.4	301.9
November	2.6	2.6	4.9	28.2	1.7	34.8	24.4	24.6	22.5	258.9	18.2	299.6
December	2.5	2.5	4.9	27.5	2.6	35.0	23.8	24.1	22.8	256.9	18.7	298.5
2016	2.7	2.7	5.0	28.8	2.4	36.1	25.3	25.6	23.2	259.3	21.3	303.8
2017												
January	2.3	2.4	4.5	25.3	1.7	31.5	22.7	22.9	21.2	239.6	17.1	277.9
February	2.4	2.4	4.7	26.7	1.3	32.7	23.5	23.8	22.0	250.2	17.5	289.7
March	2.5	2.5	4.9	28.1	1.9	34.9	24.2	24.5	23.0	259.9	14.2	297.2
April	2.5	2.6	4.9	28.5	2.1	35.5	24.1	24.3	22.7	259.7	20.5	302.9
May	2.6	2.7	5.0	30.6	1.6	37.2	24.6	24.9	22.8	266.8	16.4	306.0
June	2.7	2.7	5.0	31.2	1.8	38.0	25.4	25.7	22.8	272.1	14.8	309.7
July	2.7	2.7	5.0	30.9	1.5	37.4	24.6	24.8	22.6	267.9	13.5	304.0
August	2.7	2.7	5.1	31.3	1.8	38.1	24.9	25.2	23.0	274.6	17.3	314.9
September	2.6	2.6	4.8	29.0	1.8	35.6	24.3	24.6	22.3	260.6	19.6	302.5
October	2.6	2.6	4.9	29.2	1.9	36.0	24.6	24.9	22.3	265.3	18.3	305.9
November	2.4	2.4	4.6	28.6	R2.5	35.7	24.0	24.3	21.9	R262.0	20.9	R304.8
December	2.4	2.4	4.8	28.4	2.5	35.7	23.8	24.1	21.8	259.6	20.2	301.7

NA = Not available.

- = No data reported.

R = Revised data.

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

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 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	0.500	0.558	0.784	0.778	0.694	NA	NA	0.627
1995	0.710	0.704	0.651	0.570	0.525	0.573	0.800	0.794	0.711	0.610	NA	0.637
1996	0.797	0.791	0.743	0.665	0.607	0.664	0.884	0.878	0.801	0.700	NA	0.726
1997	0.781	0.775	0.719	0.649	0.600	0.648	0.874	0.869	0.783	0.685	W	0.708
1998	0.611	0.606	0.551	0.473	0.439	0.473	0.704	0.700	0.613	0.511	W	0.533
1999	0.710	0.706	0.676	0.595	0.520	0.590	0.802	0.799	0.734	0.628	-	0.650
2000	1.045	1.040	0.994	0.913	0.844	0.909	1.136	1.133	1.052	0.945	-	0.964
2001	0.961	0.958	0.914	0.835	0.761	0.830	1.058	1.055	0.984	0.872	-	0.889
2002	0.893	0.891	0.836	0.791	0.723	0.782	0.985	0.981	0.906	0.829	-	0.839
2003	1.081	1.078	1.040	0.952	0.871	0.942	1.173	1.168	1.108	0.994	-	1.006
2004	1.368	1.364	1.325	1.244	1.170	1.234	1.454	1.450	1.391	1.287	-	1.296
2005	1.780	1.776	1.709	1.643	1.555	1.629	1.861	1.857	1.781	1.675	-	1.682
2006	2.062	2.060	2.054	1.925	1.864	1.918	2.166	2.164	2.134	1.972	-	1.980
2007	2.292	2.289	2.242	2.153	2.065	2.138	2.392	2.390	2.298	2.222	-	2.225
2008	2.717	2.714	2.698	2.560	2.513	2.555	2.829	2.829	2.734	2.581	-	2.586
2009	1.825	1.821	1.817	1.735	1.657	1.723	1.936	1.936	1.877	1.751	-	1.755
2010	2.244	2.239	2.244	2.139	2.065	2.128	2.361	2.361	2.336	2.160	-	2.164
2011	2.998	2.989	2.916	2.834	2.751	2.825	3.105	3.104	3.033	2.869	-	2.872
2012	3.076	3.060	2.999	2.867	2.816	2.864	3.202	3.202	3.117	2.886	-	2.890
2013	2.975	2.954	2.797	2.745	2.724	2.745	3.110	3.110	2.947	2.850	-	2.852
2014	2.775	2.753	2.706	2.558	2.502	2.556	2.932	2.931	2.858	2.703	-	2.711
2015	1.833	1.833	1.858	1.625	1.575	1.625	2.033	2.032	2.090	1.794	-	1.809
2016												
January	1.304	1.305	1.296	1.073	W	1.083	1.524	1.524	1.578	1.221	-	1.241
February	1.167	1.167	1.103	0.960	W	0.964	1.377	1.376	1.349	1.098	-	1.112
March	1.413	1.412	1.329	1.248	1.175	1.242	1.602	1.601	1.558	1.408	-	1.416
April	1.577	1.576	1.459	1.383	1.310	1.379	1.782	1.781	1.653	1.548	-	1.554
May	1.749	1.749	1.604	1.543	1.425	1.535	1.951	1.950	1.743	1.707	-	1.709
June	1.855	1.854	1.658	1.562	1.493	1.558	2.043	2.041	1.802	1.735	-	1.738
July	1.648	1.649	1.604	1.408	1.392	1.411	1.891	1.890	1.765	1.589	-	1.599
August	1.636	1.636	1.529	1.455	W	1.449	1.865	1.866	1.681	1.633	-	1.635
September	1.659	1.660	1.620	1.439	W	1.441	1.905	1.905	1.770	1.620	-	1.629
October	1.691	1.692	1.648	1.493	1.456	1.493	1.933	1.933	1.796	1.674	-	1.681
November	1.613	1.613	1.520	1.346	W	1.351	1.865	1.864	1.703	1.513	-	1.524
December	1.740	1.739	1.560	1.532	1.457	1.527	1.953	1.952	1.728	1.680	-	1.683
2016	1.591	1.591	1.497	1.375	1.332	1.374	1.811	1.811	1.681	1.541	-	1.549
2017												
January	1.768	1.768	1.663	1.557	1.575	1.561	2.009	2.008	1.817	1.724	-	1.730
February	1.700	1.701	1.679	1.540	1.546	1.544	1.956	1.956	1.866	1.709	-	1.719
March	1.739	1.740	1.766	1.542	W	1.546	1.994	1.992	1.961	1.715	-	1.730
April	1.858	1.858	1.831	1.635	1.594	1.636	2.099	2.094	2.003	1.811	-	1.822
May	1.803	1.803	1.781	1.563	W	1.566	2.057	2.056	1.977	1.751	-	1.764
June	1.746	1.746	1.704	1.475	W	1.480	2.005	2.004	1.906	1.662	-	1.676
July	1.721	1.721	1.709	1.532	1.488	1.534	1.967	1.967	1.877	1.714	-	1.723
August	1.807	1.806	1.803	1.632	W	1.632	2.056	2.055	1.954	1.817	-	1.825
September	2.013	2.011	1.923	1.750	W	1.748	2.279	2.273	2.048	1.948	-	1.954
October	1.905	1.904	1.792	1.661	W	1.663	2.171	2.168	1.978	1.838	-	1.847
November	1.985	1.984	1.899	1.737	W	1.741	2.235	2.231	2.058	1.902	-	1.912
December	1.900	1.899	1.816	1.651	W	1.658	2.158	2.155	2.006	1.811	-	1.824

See footnotes at end of table.

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

dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.863	0.855	0.778	0.638	0.555	0.682	0.736	0.729	0.683	0.565	0.507	0.589
1995	0.877	0.868	0.790	0.665	0.568	0.684	0.753	0.746	0.693	0.590	0.530	0.598
1996	0.960	0.951	0.869	0.755	0.645	0.767	0.834	0.827	0.778	0.682	0.610	0.685
1997	0.954	0.946	0.856	0.742	0.641	0.753	0.819	0.813	0.756	0.666	0.604	0.668
1998	0.783	0.776	0.684	W	0.474	0.576	0.652	0.647	0.589	0.491	0.442	0.494
1999	0.872	0.865	0.801	0.679	0.558	0.681	0.748	0.743	0.711	0.611	0.525	0.609
2000	1.211	1.201	1.120	1.002	0.897	1.005	1.076	1.071	1.023	0.926	0.849	0.925
2001	1.129	1.123	1.042	0.922	0.806	0.923	0.992	0.989	0.943	0.848	0.765	0.845
2002	1.064	1.058	0.978	0.889	0.788	0.886	0.924	0.921	0.867	0.806	0.729	0.798
2003	1.253	1.245	1.178	1.051	0.925	1.050	1.109	1.105	1.067	0.965	0.874	0.957
2004	1.544	1.534	1.466	1.347	1.248	1.348	1.391	1.387	1.348	1.257	1.174	1.247
2005	1.966	1.954	1.857	1.747	1.652	1.746	1.801	1.797	1.732	1.654	1.560	1.641
2006	2.274	2.265	2.215	2.070	1.981	2.071	2.084	2.082	2.077	1.940	1.869	1.933
2007	2.502	2.494	2.415	2.328	2.181	2.317	2.313	2.309	2.267	2.172	2.070	2.156
2008	2.928	2.921	2.851	2.726	2.650	2.726	2.736	2.733	2.716	2.573	2.518	2.568
2009	2.062	2.054	2.014	1.927	1.802	1.918	1.845	1.841	1.843	1.750	1.664	1.738
2010	2.489	2.478	2.443	2.329	2.172	2.318	2.264	2.259	2.270	2.155	2.069	2.143
2011	3.230	3.219	3.105	3.035	2.864	3.018	3.016	3.008	2.939	2.851	2.758	2.841
2012	3.316	3.299	3.194	3.116	3.094	3.116	3.098	3.083	3.024	2.887	2.843	2.886
2013	3.231	3.213	3.011	3.059	3.004	3.049	2.997	2.977	2.825	2.775	2.755	2.774
2014	3.063	3.043	2.901	2.885	2.794	2.875	2.800	2.778	2.736	2.589	2.535	2.587
2015	2.216	2.210	2.085	2.016	1.812	1.999	1.869	1.869	1.899	1.663	1.599	1.663
2016												
January	1.737	1.733	W	1.441	1.272	1.428	1.345	1.346	1.337	1.109	1.137	1.117
February	1.593	1.590	W	1.315	1.132	1.297	1.209	1.209	1.143	0.995	0.991	0.998
March	1.812	1.808	1.548	1.612	1.381	1.586	1.451	1.450	1.369	1.283	1.194	1.276
April	1.995	1.992	1.674	1.763	1.489	1.726	1.617	1.617	1.498	1.421	1.339	1.416
May	2.174	2.170	1.809	1.935	1.630	1.898	1.791	1.790	1.641	1.583	1.451	1.573
June	2.275	2.270	1.862	1.955	1.723	1.926	1.895	1.894	1.696	1.602	1.522	1.597
July	2.122	2.119	1.812	1.787	1.549	1.764	1.696	1.697	1.643	1.451	1.410	1.452
August	2.103	2.099	W	1.837	1.559	1.812	1.682	1.682	1.566	1.495	1.393	1.487
September	2.142	2.137	W	1.846	1.566	1.817	1.707	1.708	1.658	1.480	1.440	1.480
October	2.182	2.178	1.860	1.901	1.642	1.874	1.738	1.738	1.685	1.533	1.479	1.533
November	2.112	2.108	W	1.733	1.500	1.715	1.660	1.660	1.557	1.384	1.382	1.388
December	2.209	2.204	1.774	1.875	1.587	1.838	1.782	1.781	1.599	1.564	1.476	1.558
2016	2.042	2.037	1.709	1.758	1.510	1.731	1.635	1.634	1.536	1.414	1.353	1.411
2017												
January	2.265	2.258	1.866	1.908	1.736	1.893	1.813	1.812	1.700	1.590	1.589	1.593
February	2.216	2.210	1.911	1.899	1.732	1.890	1.747	1.748	1.721	1.574	1.560	1.577
March	2.250	2.247	W	1.916	1.716	1.903	1.786	1.787	1.808	1.578	1.562	1.583
April	2.356	2.352	2.059	2.005	1.777	1.988	1.904	1.904	1.872	1.672	1.611	1.671
May	2.311	2.306	W	1.950	1.731	1.938	1.851	1.851	1.823	1.604	1.552	1.605
June	2.263	2.257	W	1.851	1.695	1.843	1.795	1.795	1.745	1.515	1.503	1.520
July	2.227	2.220	1.931	1.902	1.703	1.893	1.770	1.769	1.751	1.572	1.510	1.573
August	2.310	2.302	W	2.014	1.800	2.000	1.855	1.854	1.845	1.672	1.605	1.671
September	2.523	2.514	W	2.137	2.017	2.128	2.061	2.059	1.960	1.789	1.713	1.786
October	2.421	2.412	W	2.027	1.842	2.013	1.953	1.951	1.832	1.697	1.664	1.698
November	2.497	2.489	W	2.083	R1.880	2.063	2.031	2.029	1.939	1.770	R1.764	1.773
December	2.426	2.416	W	1.987	1.802	1.970	1.947	1.945	1.858	1.683	1.712	1.690

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 2016 are final.

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

Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	29.7	31.2	36.1	113.5	22.8	172.4	7.6	7.8	10.1	14.6	0.1	24.8
1995	24.0	25.3	19.4	105.1	26.0	150.5	6.0	6.3	5.1	13.6	0.1	18.7
1996	24.1	25.4	17.8	108.5	27.1	153.4	5.7	5.9	4.4	12.9	NA	17.3
1997	25.0	26.4	16.4	110.9	26.4	153.7	5.7	5.9	3.9	12.7	W	16.6
1998	25.4	26.6	13.7	112.0	28.8	154.5	6.0	6.1	3.4	12.5	W	15.8
1999	25.0	26.0	13.4	117.4	24.9	155.8	5.9	6.0	3.1	12.2	-	15.3
2000	26.0	27.1	12.8	125.7	23.9	162.4	4.9	5.0	2.3	10.8	-	13.1
2001	26.6	27.4	12.0	128.5	24.0	164.5	4.6	4.7	1.9	10.2	-	12.0
2002	27.2	28.0	11.3	127.9	31.0	170.2	4.7	4.8	1.6	10.4	-	11.9
2003	27.5	28.3	10.3	131.1	32.4	173.8	4.3	4.4	1.2	10.0	-	11.2
2004	26.5	27.3	9.7	136.7	36.1	182.5	3.5	3.6	0.9	9.8	-	10.8
2005	27.4	28.3	9.0	140.1	36.4	185.5	3.1	3.2	0.7	10.8	-	11.5
2006	28.9	29.8	7.3	143.7	37.4	188.4	2.9	2.9	0.5	9.3	-	9.7
2007	29.6	30.2	7.4	150.3	43.0	200.7	2.6	2.6	0.5	10.3	-	10.8
2008	28.9	29.8	7.1	144.5	39.5	191.1	2.1	2.2	0.4	9.9	-	10.3
2009	26.5	27.8	6.6	147.0	35.9	189.5	1.9	1.9	0.3	9.1	-	9.4
2010	24.9	26.2	5.9	147.6	37.1	190.7	1.7	1.7	0.2	8.7	-	8.9
2011	21.3	22.4	5.4	147.3	26.3	179.0	1.3	1.3	0.1	7.4	-	7.5
2012	14.4	15.7	5.0	149.0	21.7	175.8	0.9	0.9	0.1	7.2	-	7.4
2013	11.6	13.0	6.2	149.9	18.8	174.9	0.7	0.7	0.1	5.7	-	5.8
2014	11.1	12.5	4.3	154.9	16.8	176.0	0.6	0.6	0.1	2.1	-	2.3
2015	14.0	14.3	3.9	160.7	16.8	181.4	0.8	0.8	0.1	1.9	-	2.0
2016												
January	13.5	13.8	W	153.0	W	172.2	0.8	0.8	0.1	1.7	-	1.8
February	14.0	14.2	W	158.9	W	176.8	0.8	0.9	0.1	1.7	-	1.8
March	14.0	14.2	4.1	161.9	20.0	186.0	0.9	0.9	0.1	1.7	-	1.8
April	14.4	14.6	4.2	164.0	13.5	181.7	0.9	0.9	0.1	1.7	-	1.8
May	14.4	14.6	4.2	163.6	15.4	183.3	0.9	0.9	0.1	1.8	-	1.9
June	14.7	14.9	4.2	168.5	16.4	189.1	0.9	0.9	0.1	1.9	-	2.0
July	14.6	14.8	4.2	167.0	18.9	190.2	0.9	0.9	0.1	1.9	-	2.0
August	14.7	14.9	W	167.8	W	191.0	0.9	0.9	0.1	1.8	-	1.9
September	14.5	14.8	W	164.5	W	186.1	0.9	0.9	0.1	1.7	-	1.8
October	14.4	14.6	4.0	164.4	13.5	181.9	0.9	0.9	0.1	1.7	-	1.8
November	13.4	13.6	W	163.9	W	181.0	0.8	0.8	0.1	1.6	-	1.7
December	12.9	13.1	3.9	162.6	13.6	180.1	0.8	0.8	0.1	1.5	-	1.6
2016	14.1	14.3	4.1	163.4	15.8	183.3	0.9	0.9	0.1	1.7	-	1.8
2017												
January	12.3	12.5	3.7	151.5	13.0	168.2	0.7	0.7	0.1	1.4	-	1.5
February	12.9	13.1	3.8	158.6	13.4	175.9	0.7	0.8	0.1	1.4	-	1.5
March	13.3	13.5	W	164.4	W	178.2	0.8	0.8	0.1	1.5	-	1.6
April	13.2	13.4	4.0	163.9	15.6	183.5	0.8	0.8	0.1	1.5	-	1.6
May	13.4	13.6	W	168.2	W	184.8	0.8	0.8	0.1	1.6	-	1.7
June	13.8	14.1	W	171.5	W	186.0	0.8	0.8	0.1	1.7	-	1.8
July	13.3	13.5	4.0	169.6	9.6	183.1	0.8	0.8	0.1	1.6	-	1.7
August	13.6	13.9	W	174.5	W	191.7	0.8	0.8	0.1	1.6	-	1.7
September	13.2	13.4	W	165.1	W	184.5	0.8	0.8	0.1	1.5	-	1.5
October	13.5	13.7	W	167.7	W	184.8	0.8	0.8	0.1	1.4	-	1.5
November	13.2	13.5	W	R166.0	W	R184.7	0.8	0.8	0.1	1.4	-	1.5
December	13.2	13.4	W	164.0	W	182.1	0.8	0.8	0.1	1.3	-	1.4

See footnotes at end of table.

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

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	8.5	8.9	16.5	28.0	2.8	47.2	45.8	47.9	62.7	156.0	25.8	244.5
1995	6.2	6.4	7.7	25.1	2.9	35.6	36.2	38.0	32.1	143.8	28.9	204.8
1996	4.9	5.1	5.8	22.5	2.5	30.8	34.7	36.5	28.1	143.8	29.6	201.5
1997	4.8	5.0	5.1	21.9	2.5	29.5	35.4	37.2	25.4	145.6	28.9	199.8
1998	5.5	5.7	4.7	W	2.7	31.9	36.9	38.5	21.8	148.9	31.5	202.2
1999	5.0	5.2	4.3	24.1	3.8	32.2	35.9	37.2	20.8	153.7	28.7	203.3
2000	3.7	3.9	3.1	18.6	2.8	24.5	34.7	35.9	18.2	155.1	26.7	200.0
2001	3.7	3.8	2.8	18.7	2.7	24.1	35.0	36.0	16.7	157.4	26.7	200.7
2002	3.8	4.0	2.6	19.1	3.0	24.7	35.8	36.8	15.5	157.4	34.0	206.9
2003	3.4	3.5	2.1	17.5	2.4	21.9	35.1	36.3	13.6	158.6	34.8	207.0
2004	2.6	2.8	1.6	15.8	1.7	19.2	32.6	33.7	12.3	162.3	37.8	212.4
2005	2.3	2.4	1.4	14.4	1.9	17.7	32.8	33.8	11.0	165.4	38.2	214.6
2006	2.1	2.2	1.1	13.9	1.7	16.6	33.9	35.0	8.8	166.8	39.1	214.7
2007	2.1	2.2	1.1	14.4	2.0	17.4	34.3	35.0	9.0	175.0	44.9	228.9
2008	1.8	1.9	0.9	11.7	1.5	14.2	32.9	33.9	8.4	166.2	41.0	215.6
2009	1.7	1.8	0.9	12.9	1.8	15.6	30.0	31.5	7.8	169.0	37.7	214.5
2010	1.5	1.6	0.8	13.5	1.7	15.9	28.2	29.5	6.9	169.8	38.8	215.5
2011	1.2	1.3	0.7	12.6	1.8	15.1	23.8	25.1	6.2	167.3	28.1	201.6
2012	1.0	1.1	0.7	13.2	2.4	16.2	16.3	17.7	5.8	169.5	24.1	199.4
2013	0.8	0.9	0.8	14.0	2.4	17.2	13.1	14.5	7.1	169.6	21.2	197.9
2014	0.7	0.8	0.7	15.1	2.1	17.9	12.5	14.0	5.1	172.1	18.9	196.2
2015	1.1	1.1	0.7	16.8	1.8	19.4	15.9	16.2	4.8	179.4	18.6	202.8
2016												
January	1.1	1.1	W	16.0	W	18.6	15.4	15.7	4.8	170.7	17.0	192.5
February	1.1	1.1	W	16.9	W	19.6	15.9	16.2	4.9	177.4	15.8	198.2
March	1.1	1.2	0.8	17.0	2.0	19.9	16.0	16.2	5.0	180.6	22.0	207.7
April	1.2	1.2	0.8	17.6	2.6	21.0	16.4	16.7	5.1	183.3	16.1	204.5
May	1.2	1.2	0.9	18.0	2.2	21.1	16.4	16.7	5.2	183.5	17.7	206.3
June	1.2	1.2	0.9	18.6	2.3	21.8	16.8	17.0	5.2	189.0	18.7	212.9
July	1.2	1.3	0.9	20.9	2.4	24.2	16.8	17.0	5.1	189.8	21.4	216.3
August	1.2	1.2	W	18.9	W	21.4	16.8	17.1	5.2	188.5	20.6	214.4
September	1.2	1.2	W	17.8	W	20.8	16.7	16.9	5.1	184.0	19.6	208.6
October	1.1	1.1	0.8	17.3	2.0	20.0	16.3	16.6	4.9	183.4	15.4	203.8
November	1.0	1.1	W	17.1	W	19.3	15.3	15.5	4.8	182.7	14.6	202.1
December	1.0	1.0	0.8	16.5	2.2	19.5	14.7	14.9	4.8	180.7	15.8	201.3
2016	1.1	1.2	0.8	17.7	2.1	20.6	16.1	16.4	5.0	182.8	17.9	205.7
2017												
January	0.9	0.9	0.7	15.1	1.3	17.1	13.9	14.1	4.5	168.1	14.3	186.8
February	1.0	1.0	0.8	16.0	1.0	17.8	14.6	14.8	4.7	176.1	14.4	195.2
March	1.0	1.0	W	16.9	W	19.4	15.1	15.3	5.0	182.8	11.4	199.2
April	1.0	1.0	0.8	17.3	1.6	19.8	15.0	15.3	4.8	182.7	17.3	204.9
May	1.1	1.1	W	19.0	W	21.1	15.3	15.5	4.9	188.8	14.0	207.7
June	1.1	1.1	W	19.5	W	21.8	15.8	16.0	4.9	192.6	12.1	209.7
July	1.1	1.1	0.9	19.5	1.1	21.4	15.2	15.5	4.9	190.7	10.7	206.3
August	1.1	1.1	W	19.6	W	21.9	15.5	15.8	5.0	195.8	14.6	215.3
September	1.0	1.1	W	17.8	W	20.1	15.0	15.2	4.7	184.4	17.0	206.1
October	1.0	1.0	W	17.8	W	19.9	15.3	15.5	4.7	186.8	14.7	206.2
November	1.0	1.0	W	R17.3	W	R20.2	15.0	15.2	4.4	R184.7	17.3	R206.4
December	1.0	1.0	W	17.0	W	19.7	14.9	15.2	4.4	182.2	16.5	203.2

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 2016 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	0.800	0.752	0.642	0.601	0.686	0.895	0.892	0.807	0.676	NA	0.767
2000	1.126	1.123	1.058	0.978	0.953	1.012	1.219	1.217	1.114	1.014	-	1.085
2001	1.059	1.056	1.001	0.893	0.856	0.938	1.166	1.163	1.061	0.942	-	1.027
2002	0.946	0.944	0.906	0.834	0.779	0.861	1.052	1.050	0.988	0.875	-	0.958
2003	1.196	1.192	1.168	1.006	0.962	1.069	1.293	1.290	1.224	1.047	-	1.165
2004	1.472	1.470	1.447	1.299	1.248	1.353	1.572	1.570	1.494	1.340	-	1.436
2005	1.850	1.848	1.787	1.682	1.619	1.711	1.945	1.944	1.834	1.726	-	1.789
2006	2.166	2.164	2.097	2.002	1.885	2.030	2.275	2.274	2.170	2.078	-	2.129
2007	2.362	2.360	2.288	2.186	2.175	2.221	2.490	2.489	2.368	2.256	-	2.316
2008	2.812	2.810	2.703	2.553	2.642	2.607	2.934	2.934	2.788	2.652	-	2.721
2009	1.927	1.925	1.878	1.770	1.782	1.806	2.066	2.066	1.981	1.855	-	1.914
2010	2.342	2.339	2.265	2.159	2.141	2.188	2.485	2.485	2.362	2.229	-	2.280
2011	3.089	3.085	2.973	2.874	2.831	2.895	3.233	3.233	3.062	2.954	-	2.990
2012	3.219	3.212	3.111	2.956	2.947	2.988	3.372	3.372	3.213	3.047	-	3.098
2013	3.110	3.101	2.948	2.830	2.869	2.856	3.268	3.268	3.066	2.939	-	2.979
2014	2.946	2.938	2.784	2.614	2.663	2.647	3.111	3.111	2.920	2.746	-	2.788
2015	2.159	2.158	2.174	1.728	1.775	1.807	2.404	2.404	2.321	1.892	-	1.989
2016												
January	1.688	1.687	1.752	1.170	W	1.274	1.981	1.981	1.893	1.341	-	1.468
February	1.450	1.449	1.422	1.019	W	1.090	1.721	1.721	1.564	1.164	-	1.260
March	1.646	1.644	1.728	1.339	1.347	1.407	1.881	1.881	1.918	1.519	-	1.615
April	1.832	1.831	1.845	1.485	1.475	1.548	2.064	2.064	1.985	1.635	-	1.719
May	1.928	1.927	1.864	1.598	1.581	1.642	2.135	2.135	2.011	1.736	-	1.799
June	1.998	1.997	1.929	1.643	1.591	1.688	2.195	2.195	2.090	1.781	-	1.848
July	1.905	1.904	1.834	1.453	1.503	1.519	2.152	2.152	1.955	1.600	-	1.678
August	1.797	1.796	1.677	1.466	W	1.502	2.018	2.018	1.830	1.590	-	1.641
September	1.839	1.838	1.800	1.475	W	1.531	2.076	2.076	1.957	1.611	-	1.687
October	1.869	1.868	1.834	1.536	1.587	1.588	2.112	2.112	2.002	1.682	-	1.754
November	1.830	1.829	1.718	1.400	W	1.456	2.093	2.093	1.842	1.539	-	1.606
December	1.869	1.869	1.723	1.565	1.553	1.592	2.098	2.098	1.885	1.694	-	1.737
2016	1.808	1.807	1.762	1.433	1.462	1.490	2.047	2.047	1.913	1.579	-	1.655
2017												
January	1.952	1.951	1.868	1.604	1.625	1.649	2.195	2.194	2.020	1.744	-	1.807
February	1.954	1.953	1.960	1.609	1.665	1.670	2.225	2.225	2.151	1.774	-	1.861
March	2.000	1.999	2.023	1.615	W	1.685	2.275	2.274	2.180	1.782	-	1.873
April	2.060	2.059	2.052	1.724	1.740	1.779	2.303	2.303	2.217	1.876	-	1.952
May	2.050	2.050	2.071	1.679	W	1.745	2.309	2.309	2.231	1.828	-	1.914
June	1.992	1.991	1.984	1.563	W	1.634	2.260	2.260	2.101	1.711	-	1.793
July	1.942	1.941	1.917	1.620	1.637	1.670	2.194	2.193	2.082	1.759	-	1.825
August	2.021	2.021	2.009	1.691	W	1.745	2.276	2.276	2.189	1.833	-	1.905
September	2.215	2.213	2.143	1.798	W	1.857	2.473	2.473	2.286	1.949	-	2.021
October	2.096	2.095	2.032	1.690	W	1.747	2.352	2.352	2.186	1.829	-	1.907
November	2.190	2.188	2.073	1.778	W	1.828	2.438	2.438	2.235	1.910	-	1.980
December	2.092	2.091	1.962	1.692	W	1.739	2.345	2.345	2.101	1.814	-	1.879

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	1.100	1.096	1.034	0.909	0.859	0.966
2002	1.124	1.119	1.046	0.930	0.832	0.991	0.987	0.985	0.944	0.851	0.785	0.891
2003	1.366	1.362	1.292	1.099	1.028	1.201	1.233	1.229	1.197	1.021	0.969	1.097
2004	1.655	1.652	1.574	1.399	1.348	1.489	1.510	1.507	1.474	1.313	1.257	1.378
2005	2.031	2.029	1.912	1.791	1.766	1.847	1.883	1.881	1.812	1.697	1.635	1.733
2006	2.369	2.367	2.239	2.149	2.004	2.183	2.202	2.200	2.125	2.020	1.906	2.055
2007	2.601	2.599	2.468	2.367	2.346	2.415	2.404	2.402	2.322	2.208	2.192	2.250
2008	3.003	3.001	2.845	2.700	2.826	2.772	2.845	2.843	2.728	2.569	2.659	2.629
2009	2.177	2.174	2.067	1.968	1.899	2.011	1.971	1.969	1.913	1.793	1.791	1.834
2010	2.587	2.584	2.446	2.343	2.247	2.380	2.386	2.383	2.299	2.182	2.150	2.215
2011	3.334	3.331	3.145	3.067	2.940	3.090	3.132	3.128	3.003	2.898	2.837	2.921
2012	3.478	3.473	3.288	3.201	3.175	3.225	3.265	3.259	3.143	2.986	2.961	3.020
2013	3.371	3.365	3.132	3.103	3.071	3.110	3.160	3.152	2.982	2.866	2.882	2.892
2014	3.206	3.202	2.949	2.867	2.642	2.886	3.005	2.996	2.818	2.648	2.661	2.682
2015	2.516	2.516	2.357	2.066	2.145	2.144	2.242	2.240	2.214	1.777	1.799	1.860
2016												
January	2.126	2.125	W	1.524	W	1.638	1.792	1.790	1.796	1.221	1.307	1.331
February	1.878	1.878	W	1.333	W	1.408	1.554	1.553	1.471	1.066	1.074	1.143
March	2.029	2.028	1.960	1.668	1.712	1.749	1.737	1.736	1.783	1.388	1.377	1.463
April	2.215	2.215	2.064	1.804	1.779	1.873	1.921	1.921	1.895	1.533	1.514	1.601
May	2.293	2.293	2.091	1.915	1.855	1.960	2.012	2.011	1.917	1.645	1.602	1.694
June	2.351	2.351	2.160	1.957	1.992	2.011	2.079	2.078	1.983	1.690	1.619	1.740
July	2.304	2.304	2.045	1.788	1.824	1.856	1.999	1.998	1.884	1.504	1.524	1.574
August	2.172	2.172	W	1.772	W	1.807	1.885	1.885	1.732	1.513	1.479	1.553
September	2.228	2.228	W	1.797	W	1.860	1.931	1.931	1.855	1.523	1.537	1.585
October	2.275	2.275	2.070	1.857	1.892	1.914	1.963	1.962	1.890	1.584	1.612	1.641
November	2.257	2.257	W	1.723	W	1.780	1.929	1.928	1.770	1.448	1.505	1.509
December	2.263	2.263	1.968	1.864	1.796	1.890	1.959	1.958	1.781	1.609	1.581	1.640
2016	2.201	2.201	1.986	1.755	1.710	1.816	1.900	1.899	1.814	1.481	1.484	1.543
2017												
January	2.359	2.359	2.104	1.908	1.833	1.957	2.044	2.043	1.924	1.648	1.658	1.699
February	2.391	2.390	2.210	1.922	NA	2.000	2.054	2.053	2.019	1.655	1.697	1.723
March	2.439	2.439	W	1.928	W	2.016	2.101	2.100	2.077	1.661	1.698	1.739
April	2.468	2.468	2.286	2.031	1.992	2.097	2.154	2.153	2.108	1.769	1.772	1.831
May	2.478	2.478	W	1.985	W	2.068	2.149	2.148	2.127	1.726	1.728	1.799
June	2.428	2.427	W	1.876	W	1.959	2.092	2.091	2.034	1.611	1.668	1.688
July	2.357	2.356	2.155	1.930	1.933	1.988	2.038	2.037	1.974	1.668	1.674	1.723
August	2.440	2.440	W	1.998	W	2.065	2.117	2.117	2.068	1.737	1.779	1.798
September	2.640	2.640	W	2.116	W	2.184	2.310	2.309	2.198	1.846	1.895	1.911
October	2.517	2.517	W	1.980	W	2.052	2.191	2.191	2.089	1.734	1.750	1.797
November	2.598	2.598	W	2.048	W	2.115	2.280	2.279	2.129	1.818	1.842	1.874
December	2.505	2.505	W	1.954	W	2.010	2.184	2.183	2.016	1.732	1.787	1.784

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 2016 are final.

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

Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.6	0.6	2.1	1.6	0.6	4.3	0.2	0.2	0.7	0.3	W	1.0
1995	7.8	8.1	20.7	W	W	43.3	3.0	3.1	7.4	3.1	-	10.5
1996	10.7	11.1	26.1	20.5	8.0	54.6	3.3	3.4	7.9	3.3	W	11.3
1997	13.4	13.8	28.0	21.7	7.6	57.3	3.6	3.7	7.9	3.1	W	11.0
1998	14.3	14.5	28.6	23.0	8.3	59.9	3.7	3.8	7.4	3.1	W	10.5
1999	14.5	14.8	29.8	26.1	9.6	65.5	3.6	3.7	7.0	3.1	NA	10.2
2000	15.5	15.9	32.1	29.1	8.5	69.6	3.3	3.4	6.2	2.6	-	8.8
2001	16.3	16.7	32.7	30.0	9.0	71.7	3.3	3.3	5.7	2.2	-	7.9
2002	16.9	17.2	33.1	30.4	8.2	71.7	3.3	3.3	5.6	2.1	-	7.6
2003	17.7	18.0	30.9	35.1	7.6	73.6	3.1	3.1	4.1	2.0	-	6.1
2004	16.2	16.5	29.5	39.7	6.1	75.3	2.6	2.6	3.3	2.0	-	5.2
2005	17.1	17.4	27.5	43.5	9.5	80.4	2.6	2.6	2.5	1.8	-	4.2
2006	17.7	18.0	26.8	45.7	3.4	75.9	2.5	2.5	1.9	1.5	-	3.4
2007	17.4	17.6	26.7	45.4	3.8	75.9	2.4	2.4	1.6	1.3	-	2.9
2008	16.6	16.9	25.4	48.1	4.2	77.7	2.0	2.0	1.1	1.1	-	2.2
2009	14.0	14.3	25.8	49.8	3.4	79.0	1.7	1.7	1.0	1.1	-	2.1
2010	11.7	11.9	23.1	54.5	4.2	81.9	1.3	1.3	0.7	1.2	-	1.9
2011	10.8	11.1	19.5	57.6	4.2	81.3	1.2	1.2	0.5	1.1	-	1.6
2012	9.2	9.5	17.4	60.3	4.0	81.7	1.0	1.0	0.5	1.0	-	1.5
2013	7.6	7.9	16.5	59.3	3.5	79.3	0.9	0.9	0.4	1.0	-	1.4
2014	5.5	5.7	14.6	62.0	2.1	78.8	0.7	0.7	0.3	0.9	-	1.2
2015	6.8	6.8	14.1	63.5	2.8	80.3	0.9	0.9	0.2	0.8	-	1.1
2016												
January	6.4	6.4	W	61.4	W	77.6	0.9	0.9	0.2	0.7	-	1.0
February	6.5	6.5	W	63.5	W	80.2	0.9	0.9	0.2	0.7	-	1.0
March	6.5	6.5	14.0	62.9	3.1	80.1	0.9	0.9	0.2	0.7	-	1.0
April	6.7	6.7	14.2	64.7	2.5	81.4	0.9	0.9	0.2	0.8	-	1.0
May	6.7	6.8	14.1	64.9	3.7	82.7	1.0	1.0	0.2	0.8	-	1.0
June	7.0	7.0	14.0	67.0	4.0	85.0	1.0	1.0	0.2	0.8	-	1.1
July	6.8	6.8	13.8	65.2	3.7	82.8	1.0	1.0	0.2	0.8	-	1.1
August	6.8	6.8	W	66.1	W	83.2	1.0	1.0	0.2	0.8	-	1.1
September	6.9	6.9	W	65.4	W	82.5	1.0	1.0	0.2	0.8	-	1.0
October	6.8	6.8	13.7	65.2	2.7	81.7	1.0	1.0	0.2	0.7	-	0.9
November	6.6	6.6	W	64.4	W	81.2	0.9	0.9	0.2	0.7	-	0.9
December	6.7	6.7	13.7	64.6	2.6	80.8	0.9	0.9	0.2	0.7	-	0.9
2016	6.7	6.7	13.9	64.6	3.1	81.6	0.9	0.9	0.2	0.8	-	1.0
2017												
January	6.4	6.5	12.7	60.8	2.4	75.9	0.9	0.9	0.2	0.6	-	0.8
February	6.5	6.5	13.2	62.8	2.8	78.8	0.9	0.9	0.2	0.6	-	0.8
March	6.7	6.7	W	65.3	W	81.6	0.9	0.9	0.2	0.7	-	0.8
April	6.6	6.6	13.5	65.2	2.8	81.5	0.9	0.9	0.2	0.7	-	0.9
May	6.8	6.8	W	65.6	W	81.3	0.9	0.9	0.2	0.7	-	0.9
June	7.0	7.1	W	67.0	W	83.0	1.0	1.0	0.2	0.7	-	0.9
July	6.8	6.8	13.3	65.1	2.5	80.9	1.0	1.0	0.2	0.7	-	0.9
August	6.9	6.9	W	66.4	W	82.5	1.0	1.0	0.2	0.7	-	0.9
September	6.9	6.9	W	64.4	W	80.1	0.9	0.9	0.2	0.6	-	0.8
October	6.9	6.9	W	66.4	W	82.8	0.9	0.9	0.2	0.6	-	0.8
November	6.7	6.7	W	65.5	W	82.1	0.9	0.9	0.2	0.6	-	0.7
December	6.6	6.6	W	65.4	W	81.8	0.9	0.9	0.2	0.6	-	0.7

See footnotes at end of table.

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

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.2	0.2	1.2	0.5	0.2	1.9	1.0	1.0	4.0	2.4	0.8	7.2
1995	3.1	3.2	12.0	W	W	18.9	14.0	14.4	40.1	25.9	6.6	72.6
1996	3.1	3.2	11.7	5.3	1.5	18.6	17.0	17.6	45.7	29.2	9.6	84.5
1997	3.4	3.5	11.5	5.3	1.5	18.2	20.3	21.0	47.4	30.1	9.1	86.6
1998	3.8	3.9	12.2	W	1.6	19.8	21.8	22.2	48.2	32.0	9.9	90.1
1999	3.4	3.5	11.4	6.3	1.9	19.6	21.5	22.0	48.2	35.6	11.5	95.2
2000	3.0	3.1	9.6	5.4	1.9	16.8	21.9	22.4	47.9	37.0	10.4	95.2
2001	3.2	3.2	9.2	5.4	1.1	15.7	22.7	23.3	47.7	37.6	10.0	95.3
2002	3.4	3.5	9.5	5.6	1.1	16.3	23.6	24.1	48.2	38.0	9.3	95.6
2003	3.5	3.6	8.5	5.9	1.0	15.3	24.2	24.7	43.5	43.0	8.6	95.1
2004	3.1	3.1	7.4	6.0	0.6	14.1	21.9	22.3	40.2	47.7	6.7	94.6
2005	2.8	2.8	6.5	6.0	1.2	13.6	22.6	22.9	36.4	51.2	10.6	98.3
2006	2.7	2.7	5.9	5.9	0.7	12.5	22.9	23.2	34.6	53.1	4.1	91.8
2007	2.6	2.7	5.8	5.9	0.4	12.1	22.4	22.7	34.0	52.6	4.3	90.9
2008	2.4	2.4	5.0	5.4	0.4	10.8	21.0	21.3	31.5	54.6	4.6	90.8
2009	2.3	2.3	5.3	6.1	0.3	11.8	17.9	18.3	32.1	57.1	3.7	92.9
2010	1.9	1.9	4.9	7.4	0.4	12.7	14.9	15.2	28.8	63.1	4.7	96.5
2011	1.7	1.7	3.9	7.7	0.2	11.8	13.7	13.9	23.9	66.4	4.4	94.7
2012	1.5	1.5	3.5	8.4	0.3	12.1	11.7	12.0	21.4	69.7	4.3	95.4
2013	1.4	1.4	3.5	8.7	0.2	12.4	9.9	10.2	20.5	69.0	3.7	93.1
2014	1.2	1.2	3.5	9.4	0.2	13.0	7.5	7.7	18.4	72.3	2.3	93.0
2015	1.5	1.5	3.8	10.4	0.2	14.4	9.2	9.2	18.1	74.7	3.0	95.8
2016												
January	1.5	1.5	W	10.1	W	14.2	8.7	8.7	17.3	72.2	3.2	92.8
February	1.6	1.6	W	10.9	W	15.6	9.0	9.0	18.4	75.1	3.3	96.8
March	1.6	1.6	4.1	10.7	0.3	15.1	9.0	9.0	18.4	74.3	3.4	96.2
April	1.6	1.6	4.1	11.0	0.4	15.5	9.2	9.2	18.6	76.5	2.9	98.0
May	1.6	1.6	4.2	11.2	0.3	15.7	9.3	9.3	18.5	77.0	4.0	99.5
June	1.6	1.6	4.1	11.5	0.3	15.9	9.6	9.7	18.4	79.3	4.3	102.0
July	1.6	1.6	4.1	11.4	0.3	15.8	9.3	9.4	18.2	77.5	4.0	99.7
August	1.6	1.6	W	11.6	W	16.2	9.4	9.5	18.7	78.6	3.1	100.4
September	1.7	1.7	W	11.3	W	15.7	9.5	9.5	18.3	77.5	3.3	99.2
October	1.6	1.6	4.1	11.1	0.2	15.5	9.3	9.3	18.0	77.1	3.0	98.1
November	1.5	1.5	W	11.1	W	15.4	9.1	9.1	17.7	76.2	3.6	97.5
December	1.5	1.5	4.1	11.0	0.3	15.4	9.2	9.2	18.0	76.2	2.9	97.2
2016	1.6	1.6	4.1	11.1	0.3	15.5	9.2	9.2	18.2	76.5	3.4	98.1
2017												
January	1.4	1.4	3.8	10.1	0.4	14.4	8.8	8.8	16.6	71.5	2.9	91.0
February	1.5	1.5	4.0	10.6	0.3	14.9	8.9	8.9	17.3	74.1	3.1	94.5
March	1.5	1.5	W	11.1	W	15.5	9.1	9.2	18.0	77.1	2.8	98.0
April	1.5	1.5	4.1	11.2	0.4	15.7	9.0	9.1	17.9	77.0	3.2	98.1
May	1.6	1.6	W	11.7	W	16.1	9.3	9.3	17.9	78.0	2.4	98.3
June	1.6	1.6	W	11.8	W	16.2	9.6	9.6	17.9	79.5	2.7	100.1
July	1.6	1.6	4.1	11.5	0.3	16.0	9.3	9.4	17.7	77.3	2.8	97.7
August	1.6	1.6	W	11.7	W	16.2	9.4	9.4	18.0	78.8	2.7	99.6
September	1.5	1.5	W	11.2	W	15.5	9.3	9.3	17.6	76.2	2.6	96.4
October	1.5	1.5	W	11.5	W	16.1	9.4	9.4	17.6	78.5	3.7	99.7
November	1.5	1.5	W	11.3	W	15.5	9.0	9.0	17.5	77.3	3.6	98.4
December	1.5	1.5	W	11.4	W	16.0	8.9	9.0	17.4	77.4	3.7	98.5

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 2016 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
1985	0.644	0.610	0.582	0.560	0.610	0.577
1986	0.372	0.328	0.317	0.289	0.343	0.305
1987	0.447	0.412	0.396	0.362	0.423	0.385
1988	0.372	0.333	0.300	0.271	0.334	0.300
1989	0.436	0.407	0.344	0.331	0.385	0.360
1990	0.505	0.472	0.400	0.372	0.444	0.413
1991	0.402	0.364	0.306	0.292	0.340	0.314
1992	0.389	0.351	0.312	0.286	0.336	0.308
1993	0.397	0.337	0.303	0.256	0.337	0.293
1994	0.401	0.345	0.330	0.287	0.352	0.317
1995	0.436	0.383	0.377	0.338	0.392	0.363
1996	0.526	0.456	0.433	0.389	0.455	0.420
1997	0.488	0.415	0.403	0.366	0.423	0.387
1998	0.354	0.299	0.287	0.269	0.305	0.280
1999	0.405	0.382	0.362	0.329	0.374	0.354
2000	0.708	0.627	0.566	0.512	0.602	0.566
2001	0.642	0.523	0.492	0.428	0.531	0.476
2002	0.640	0.546	0.544	0.508	0.569	0.530
2003	0.804	0.728	0.651	0.588	0.698	0.661
2004	0.835	0.764	0.692	0.601	0.739	0.681
2005	1.168	1.115	0.974	0.842	1.048	0.971
2006	1.342	1.202	1.173	1.085	1.218	1.136
2007	1.436	1.406	1.350	1.314	1.374	1.350
2008	2.144	1.918	1.889	1.843	1.964	1.866
2009	1.413	1.337	1.306	1.344	1.341	1.342
2010	1.920	1.756	1.619	1.679	1.713	1.697
2011	2.736	2.389	2.257	2.316	2.401	2.336
2012	3.025	2.548	2.433	2.429	2.592	2.457
2013	2.883	2.363	2.353	2.249	2.482	2.278
2014	2.694	2.153	2.221	1.996	2.325	2.044
2015	1.529	0.971	1.227	0.999	1.285	0.996
2016						
January	W	0.477	0.641	0.502	0.710	0.499
February	NA	0.475	0.606	0.508	0.632	0.504
March	NA	0.582	0.672	0.555	0.693	0.558
April	W	0.633	0.734	0.614	0.782	0.616
May	W	0.729	0.868	0.722	0.922	0.723
June	W	0.850	0.911	0.823	0.983	0.825
July	W	0.876	0.948	0.834	1.030	0.835
August	W	0.842	0.924	0.811	0.990	0.815
September	W	0.846	1.059	0.855	1.076	0.854
October	W	0.961	1.091	0.935	1.115	0.938
November	NA	0.920	1.040	0.907	1.106	0.908
December	W	1.024	1.206	1.031	1.230	1.030
2016	1.138	0.736	0.897	0.746	0.945	0.745
2017						
January	W	1.099	1.249	1.121	1.309	1.119
February	W	1.174	1.243	1.115	1.291	1.121
March	W	1.103	1.186	1.075	1.239	1.077
April	W	1.038	1.147	1.039	1.201	1.039
May	W	0.986	1.153	1.047	1.213	1.043
June	W	0.937	1.129	0.995	1.195	0.991
July	W	1.026	1.154	1.040	1.211	1.039
August	W	1.042	1.142	1.081	1.204	1.079
September	W	1.150	1.295	1.137	1.314	1.138
October	W	1.153	1.249	1.178	1.304	1.176
November	W	1.302	1.384	1.277	1.413	1.279
December	W	1.254	1.447	1.249	1.484	1.249

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 2016 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
1985	11.4	7.0	13.8	12.9	25.2	19.9
1986	15.2	7.9	16.4	10.7	31.6	18.6
1987	15.1	7.8	13.9	9.1	29.0	16.9
1988	14.2	8.7	15.9	10.3	30.2	18.9
1989	13.4	7.9	17.0	13.1	30.4	21.0
1990	11.1	7.4	14.9	10.5	25.9	17.9
1991	8.6	5.6	15.5	12.2	24.0	17.8
1992	7.1	5.2	15.3	10.0	22.4	15.2
1993	6.2	5.7	11.1	6.9	17.2	12.6
1994	4.2	6.6	9.3	6.2	13.5	12.8
1995	2.9	7.7	8.7	5.9	11.6	13.6
1996	3.1	6.3	9.8	7.4	12.9	13.8
1997	3.2	4.8	10.3	6.7	13.4	11.5
1998	3.9	5.7	10.5	9.6	14.4	15.4
1999	3.9	5.3	10.0	6.2	13.9	11.5
2000	3.3	4.9	9.8	5.6	13.1	10.5
2001	3.8	5.2	11.0	5.1	14.8	10.3
2002	2.7	5.1	7.8	3.7	10.4	8.8
2003	3.3	3.5	7.4	3.2	10.7	6.7
2004	3.4	2.9	6.8	3.0	10.2	5.9
2005	4.0	2.2	6.4	2.5	10.4	4.7
2006	2.8	2.8	7.6	3.6	10.4	6.5
2007	3.1	3.2	7.8	5.0	10.9	8.2
2008	2.5	2.9	5.9	6.6	8.4	9.5
2009	2.8	2.9	5.7	6.9	8.5	9.8
2010	2.4	2.6	5.2	8.1	7.6	10.7
2011	1.9	3.4	4.5	8.8	6.4	12.2
2012	1.5	2.1	4.0	6.8	5.5	8.8
2013	1.3	2.3	3.9	6.7	5.2	9.0
2014	1.0	2.4	3.6	5.6	4.6	8.0
2015	0.8	0.9	3.3	7.1	4.0	8.1
2016						
January	W	1.0	W	8.3	4.1	9.3
February	NA	1.2	3.4	8.2	3.9	9.3
March	NA	0.7	3.3	8.5	4.1	9.2
April	W	1.2	W	7.8	4.2	9.0
May	W	1.3	W	8.6	3.9	9.9
June	W	0.6	W	8.3	3.8	8.9
July	W	0.3	W	7.4	4.3	7.6
August	W	0.9	W	7.2	4.4	8.1
September	W	0.5	W	7.4	4.7	7.9
October	W	1.0	W	6.1	4.4	7.1
November	NA	0.7	3.1	6.5	4.0	7.2
December	W	0.6	W	7.0	4.2	7.6
2016	0.8	0.8	3.3	7.6	4.2	8.4
2017						
January	W	0.5	W	6.2	3.9	6.6
February	W	0.6	W	5.6	4.4	6.2
March	W	0.4	W	5.5	4.6	5.9
April	W	0.3	W	5.9	3.8	6.2
May	W	0.3	W	5.5	3.8	5.9
June	W	0.5	W	7.6	3.7	8.2
July	W	0.6	W	5.7	3.4	6.3
August	W	0.4	W	8.1	3.7	8.4
September	W	0.7	W	7.2	4.1	7.8
October	W	0.6	W	7.8	3.5	8.4
November	W	0.6	W	6.6	4.3	7.2
December	W	0.3	W	7.7	4.6	8.1

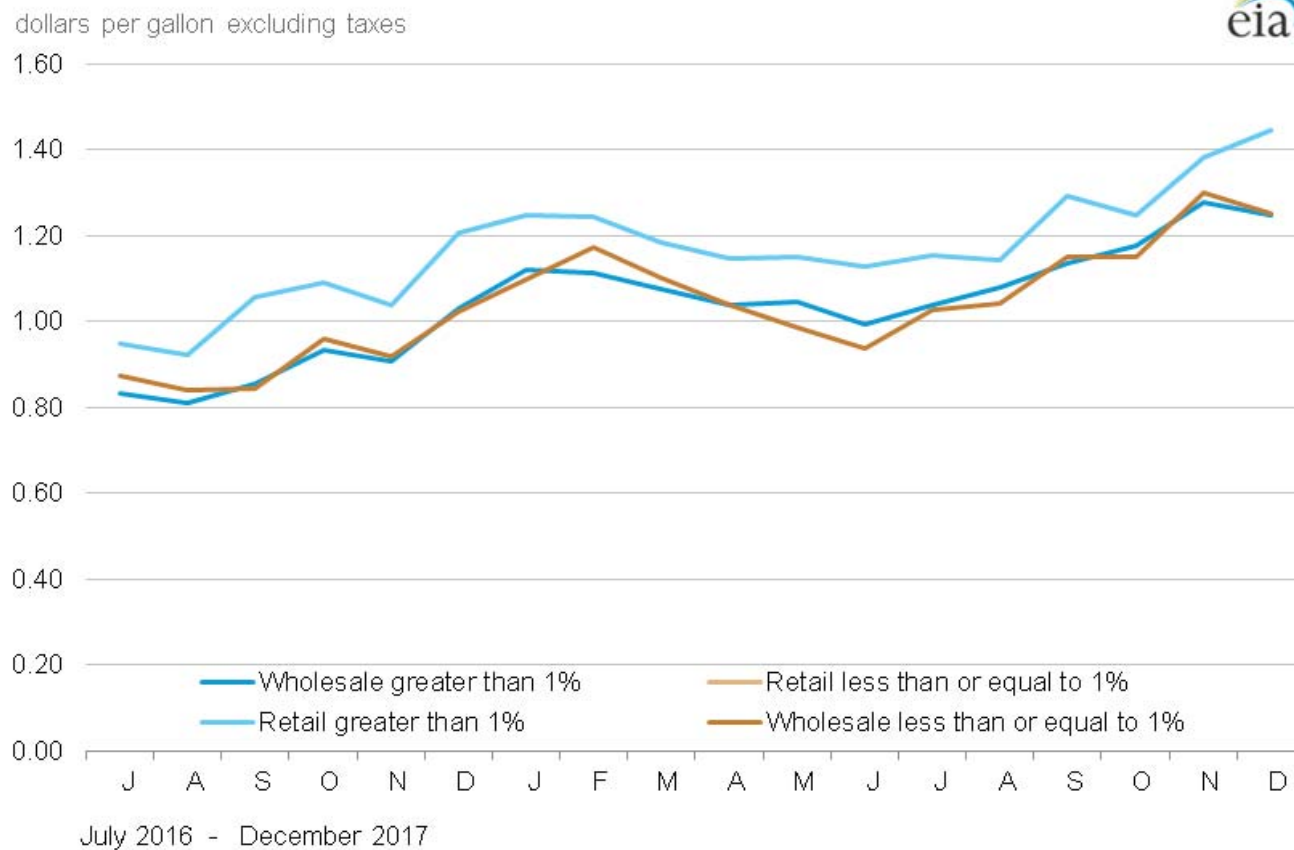
NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 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													
January	27.02	27.39	22.06	W	26.37	18.94	25.85	27.90	28.47	26.72	28.80	29.56	24.26
February	25.52	25.84	20.70	W	25.27	17.38	24.06	26.12	26.31	25.19	27.73	28.35	22.83
March	31.87	32.14	29.80	W	33.03	25.64	31.44	33.25	33.18	32.64	34.18	35.43	30.58
April	35.59	35.83	29.39	W	35.93	23.80	35.19	36.49	36.50	35.45	37.23	41.33	33.70
May	41.02	41.24	38.97	W	40.70	36.44	40.73	42.30	42.16	41.46	42.89	47.05	39.61
June	43.96	44.35	40.49	W	43.94	35.98	43.70	44.18	44.26	43.44	45.44	49.20	41.46
July	40.71	41.16	37.24	W	40.58	34.34	40.32	40.71	40.99	39.88	41.45	45.11	38.24
August	40.46	40.84	37.33	W	40.51	34.14	39.68	40.75	40.82	39.77	41.53	45.16	38.28
September	40.55	40.92	38.06	W	40.67	35.49	39.85	40.78	40.85	39.85	41.73	45.59	38.34
October	45.00	45.39	42.20	W	45.20	37.98	44.99	45.37	45.27	44.72	46.70	50.39	43.19
November	41.65	42.01	39.46	W	41.44	37.01	40.79	43.90	45.23	40.53	43.30	46.20	38.97
December	47.12	47.40	45.03	W	47.19	42.26	46.59	44.05	42.34	46.73	47.22	52.57	45.28
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	44.57	44.55	44.46	43.69	45.09	49.23	42.24
June	42.19	42.44	39.34	W	40.60	38.25	41.26	41.16	41.11	40.38	39.87	45.79	38.87
July	43.42	43.56	40.98	W	41.63	39.75	42.74	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	49.13	49.21	46.24	W	47.09	44.52	49.33	48.53	47.51	46.79	48.02	52.26	45.39
November	R55.19	R55.26	51.11	W	51.76	49.02	54.95	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	48.22	44.96	W	45.93	43.34	47.40	47.02	46.76	45.95	47.33	51.51	44.33

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												
January	24.80	22.66	27.84	24.32	28.16	26.95	26.11	29.50	27.69	27.48	27.35	30.54
February	22.72	22.22	26.40	23.34	26.57	25.39	24.66	28.10	26.13	26.60	26.47	26.75
March	30.35	30.64	33.09	30.56	32.38	31.96	32.30	34.98	33.13	32.92	33.01	30.14
April	34.54	31.45	36.45	33.60	36.19	35.79	35.07	38.81	36.78	36.15	36.56	34.99
May	39.47	40.19	42.71	39.60	41.53	41.58	40.80	44.53	42.52	42.11	42.52	38.48
June	42.80	43.41	45.33	42.48	44.95	44.90	42.75	47.30	44.78	44.99	45.35	43.64
July	39.58	39.59	41.80	38.72	41.82	40.79	38.99	43.21	41.16	41.25	41.62	42.54
August	38.53	39.24	41.63	38.66	41.40	40.46	38.81	43.00	40.94	41.18	41.44	41.29
September	38.70	39.89	41.71	38.86	41.40	40.57	38.80	43.07	41.03	41.35	41.55	40.94
October	44.37	44.81	46.07	44.24	45.62	45.51	43.45	48.11	45.89	45.79	46.19	43.98
November	39.67	40.92	42.53	39.86	42.68	41.27	39.26	44.38	41.79	42.25	42.49	43.22
December	45.32	46.90	48.94	45.75	47.74	47.18	45.97	49.97	47.59	48.74	48.76	44.96
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	44.06	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	42.90	42.02	38.88	44.27	41.86	41.75	42.52	44.33
July	42.08	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	48.89	46.67	49.02	50.98	45.09	52.35	50.57	47.75	49.29	48.45
November	55.49	52.43	54.87	52.18	55.28	56.94	50.55	58.57	56.65	53.95	R55.43	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	47.05	46.14	48.43	45.60	48.50	48.34	44.60	50.37	48.06	47.90	48.56	48.46

See footnotes at end of table.

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

Year month	PAD District 4					PAD District 5				
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore CA
1997	17.80	19.03	17.00	18.57	17.41	15.06	14.84	17.43	15.78	12.97
1998	11.38	12.56	11.28	12.52	10.70	8.80	8.47	11.55	9.55	6.99
1999	16.79	17.37	16.54	17.69	16.47	13.10	12.46	17.44	14.08	11.78
2000	27.60	28.85	27.82	28.53	26.89	24.16	23.62	28.23	24.82	23.32
2001	22.73	24.82	23.16	24.09	21.55	19.03	18.18	23.30	20.11	18.38
2002	23.01	25.29	22.76	23.87	21.96	20.39	19.37	24.47	21.87	19.03
2003	28.09	30.71	28.66	28.88	26.63	24.97	23.78	28.48	26.43	24.25
2004	37.34	40.38	38.53	39.35	35.10	33.69	33.03	38.76	34.47	32.23
2005	50.65	55.34	52.66	53.98	45.63	47.03	47.05	54.19	47.08	43.48
2006	57.38	63.80	56.69	59.70	53.25	57.03	56.86	64.10	57.34	53.37
2007	62.54	67.04	64.64	62.48	58.34	64.24	63.69	69.60	65.07	59.39
2008	88.23	90.80	89.96	86.58	86.07	90.16	90.10	95.04	90.47	85.68
2009	52.16	52.33	52.96	50.22	52.30	55.23	54.41	W	56.11	53.59
2010	69.72	72.75	70.24	68.09	68.10	73.29	72.33	W	74.51	69.80
2011	85.64	88.26	88.61	82.53	83.45	100.39	98.79	W	102.50	96.01
2012	82.91	85.78	82.98	82.73	80.70	101.33	98.70	W	104.10	97.04
2013	87.16	90.10	88.73	84.79	85.30	99.08	95.79	W	102.53	91.40
2014	80.92	82.48	80.54	79.04	80.54	89.30	86.41	W	92.14	80.55
2015	40.58	40.51	40.38	40.69	40.64	43.58	41.11	W	45.63	37.62
2016										
January	24.42	24.17	23.92	26.10	24.13	24.57	21.65	W	27.15	W
February	23.93	23.18	22.16	28.06	23.45	23.42	20.89	W	25.75	W
March	30.86	31.64	29.68	32.68	29.89	30.56	28.12	W	32.89	W
April	34.19	35.40	33.38	33.38	33.68	33.97	32.02	W	35.69	W
May	39.74	41.31	38.90	38.42	39.16	39.59	37.81	W	41.31	W
June	42.95	44.07	41.90	42.01	42.69	40.17	37.90	W	42.12	W
July	39.67	41.59	38.35	38.29	39.07	36.36	33.32	W	38.76	W
August	39.22	41.23	37.45	38.27	38.53	37.46	34.27	W	40.05	W
September	39.41	40.61	37.50	39.06	39.07	37.78	34.47	W	40.47	W
October	44.37	45.26	43.23	43.30	44.32	42.36	39.17	W	45.21	W
November	40.10	40.70	38.77	39.46	40.22	38.51	36.40	W	40.49	W
December	45.73	46.21	44.36	44.93	46.12	45.26	43.07	W	47.41	W
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	42.48	42.76	44.07	43.65	41.59	W	45.65	W
June	40.56	40.77	38.94	40.44	40.90	40.15	37.40	W	42.30	W
July	41.64	41.92	40.40	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	45.92	46.41	44.79	44.24	46.63	47.44	45.21	W	49.54	W

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2016 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									
January	21.65	26.39	24.98	30.14	29.26	27.73	27.29	28.66	25.36
February	20.89	24.58	23.07	28.27	27.36	23.93	26.52	27.48	25.09
March	28.12	31.85	31.35	33.12	34.04	28.54	32.75	33.67	32.31
April	32.02	34.66	34.11	37.79	37.78	32.97	36.19	36.63	35.94
May	37.81	40.15	39.20	42.27	43.19	37.12	42.18	42.34	41.89
June	37.90	40.44	39.12	46.40	46.25	41.60	44.98	45.30	44.57
July	33.32	37.10	37.22	43.12	42.93	40.20	41.24	41.68	40.99
August	34.27	39.46	38.61	42.71	42.23	39.14	41.16	41.53	40.83
September	34.47	39.45	38.53	42.60	42.14	38.70	41.36	40.88	41.21
October	39.17	44.21	43.50	46.92	46.92	41.84	45.95	45.08	46.09
November	36.40	39.48	39.23	44.35	43.22	41.27	42.38	42.20	42.19
December	43.07	46.46	45.74	48.18	48.70	43.41	48.63	48.66	47.27
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	42.25	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	R54.75	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	48.26	47.80

- = No data reported.

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2016 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						
January	26.13	27.33	21.54	28.96	27.30	26.42
February	24.37	25.95	20.75	26.67	26.41	24.83
March	31.93	33.32	27.70	31.90	32.98	31.98
April	34.72	35.99	31.68	35.92	36.51	35.84
May	40.00	41.97	37.41	40.94	42.41	41.45
June	40.44	43.04	37.93	44.51	45.16	44.47
July	37.34	39.42	33.47	41.82	41.55	40.99
August	39.18	40.46	34.17	41.22	41.40	40.46
September	39.39	40.76	34.40	40.88	41.55	40.70
October	44.28	45.53	39.13	44.77	46.22	45.81
November	39.72	41.31	36.30	42.59	42.57	41.49
December	46.54	47.95	42.98	46.67	48.69	47.52
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	41.46	43.25	37.41	43.36	42.31	42.10
July	43.22	44.58	40.48	43.96	43.61	43.62
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	55.01	54.99	56.23
December	60.04	60.77	54.63	57.26	56.81	57.61
2017	48.73	49.17	45.08	48.40	48.63	48.44

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2016 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								Total OPEC[c]	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Persian Gulf[b]		
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										
January	W	W	24.12	W	26.24	-	20.73	25.73	25.05	22.66
February	W	24.91	24.50	37.83	27.46	-	22.57	26.58	27.01	23.35
March	35.33	30.47	29.01	W	34.14	-	27.31	32.32	31.37	28.35
April	W	33.57	30.79	W	37.13	-	29.07	35.67	34.08	31.92
May	W	39.00	39.04	W	42.44	W	36.65	40.55	40.51	37.04
June	49.56	41.64	42.27	48.79	45.16	-	39.33	43.77	43.73	40.22
July	45.00	36.91	39.99	W	42.11	-	35.69	40.91	39.61	38.09
August	W	36.80	38.73	W	42.48	-	37.56	40.44	40.44	36.78
September	W	40.36	38.44	W	42.31	-	36.95	40.37	40.01	37.18
October	W	40.59	42.91	W	47.10	-	40.38	45.17	44.66	40.37
November	W	39.80	39.55	W	42.50	W	38.39	41.40	42.31	38.33
December	W	45.27	45.34	W	48.79	W	44.75	47.95	47.44	42.34
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	43.27
February	W	46.97	45.91	W	51.21	-	45.69	50.06	49.11	43.63
March	W	46.05	42.10	W	48.54	-	42.47	47.83	46.85	41.73
April	W	46.76	44.32	W	50.00	W	43.59	48.93	47.09	41.47
May	W	44.70	44.85	W	47.95	-	41.08	47.14	45.58	42.66
June	W	41.30	41.86	48.88	45.41	-	39.16	44.41	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	43.18
October	-	52.69	49.01	58.58	55.44	-	52.51	50.92	53.93	44.21
November	-	W	R54.66	W	R59.64	W	R55.88	R58.72	R58.77	R48.53
December	-	W	55.27	W	61.64	-	58.27	59.83	60.57	50.59
2017	W	48.34	46.53	54.14	50.90	W	45.42	49.86	49.17	43.25

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary.

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

[c] Includes Algeria, Angola (January 2007-present), Ecuador (January 2008-present), Equatorial Guinea (May 2017-present), Gabon (July 2016-present), Indonesia (1996-2008 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 2016 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										Total OPEC[b]	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Persian Gulf[a]			
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												
January	34.83	26.32	26.23	24.82	W	30.96	-	21.64	30.85	28.94	26.33	
February	33.04	24.62	26.32	25.19	39.44	31.86	W	23.49	30.91	29.63	25.43	
March	36.68	29.31	33.38	29.65	42.86	36.19	W	28.83	34.84	34.02	30.35	
April	40.91	34.19	36.71	31.91	W	39.75	-	31.20	38.00	36.80	34.42	
May	49.14	38.43	42.28	39.67	W	43.46	W	38.14	42.56	42.48	39.55	
June	49.06	41.97	43.88	42.50	51.05	45.90	-	40.04	44.70	44.70	42.65	
July	47.04	39.41	40.90	40.30	48.46	43.80	W	37.00	42.77	41.78	40.48	
August	49.43	37.84	40.78	39.34	50.20	43.67	W	38.66	42.74	42.46	39.01	
September	46.15	38.62	43.43	38.86	49.91	44.22	-	38.11	43.31	42.62	39.60	
October	48.88	41.79	43.44	43.44	W	46.95	-	41.61	45.50	45.65	42.64	
November	49.08	39.81	42.97	40.20	52.80	47.04	W	39.53	45.68	44.98	40.52	
December	53.63	43.34	48.83	45.84	55.62	50.38	W	45.69	49.38	49.07	44.83	
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	45.77	
February	W	44.97	49.66	46.57	54.42	52.34	-	46.28	51.09	50.57	46.26	
March	W	43.00	48.29	42.97	W	50.36	W	43.91	49.61	48.93	43.96	
April	W	43.05	48.38	44.65	W	50.18	W	44.55	49.04	48.47	44.31	
May	W	44.26	45.86	45.51	51.83	49.06	W	43.50	47.26	47.30	45.25	
June	50.74	41.75	44.89	42.36	50.36	47.88	W	40.88	46.76	45.71	42.67	
July	50.20	41.59	46.72	45.17	50.89	47.79	-	42.25	46.99	46.65	43.38	
August	52.23	43.17	48.56	46.86	53.18	51.19	W	46.16	49.55	49.48	45.44	
September	56.59	45.14	52.43	49.63	57.99	55.03	W	50.98	52.93	53.53	47.28	
October	W	45.68	53.95	50.28	59.35	R58.18	W	R53.05	R54.40	R55.36	R48.24	
November	61.03	R51.22	R59.52	R55.47	R64.15	R60.56	R62.24	R56.99	R58.50	R59.19	R53.56	
December	W	51.43	60.23	56.01	66.33	62.20	-	59.34	60.25	61.09	53.89	
2017	54.17	44.89	50.21	47.56	55.81	51.94	56.11	46.80	50.78	50.72	46.54	

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

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

[b] Includes Algeria, Angola (January 2007-present), Ecuador (January 2008-present), Equatorial Guinea (May 2017-present), Gabon (July 2016-present), Indonesia (1996-2008 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 2016 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							
January	20.34	20.28	25.86	28.16	31.02	-	W
February	22.26	21.01	27.87	28.75	31.81	-	W
March	26.73	26.28	30.41	35.21	36.02	-	43.97
April	29.03	29.56	36.10	37.84	41.01	W	W
May	35.85	35.31	40.01	45.82	44.77	-	W
June	39.85	37.92	43.98	46.85	46.52	48.02	W
July	35.86	35.44	40.31	42.71	45.54	47.25	W
August	36.66	34.38	40.91	42.03	44.06	44.74	W
September	36.61	34.21	43.14	42.79	44.64	W	W
October	39.96	38.47	42.12	46.98	49.33	49.07	W
November	37.63	36.38	43.00	44.07	46.26	49.59	W
December	43.28	40.43	47.74	48.54	51.10	51.86	52.61
2016	34.05	32.66	38.81	40.61	42.86	48.63	46.94
2017							
January	44.96	41.10	47.97	50.44	50.01	-	W
February	44.33	42.25	48.44	50.93	50.29	51.84	W
March	41.90	39.38	47.25	49.87	50.83	52.79	W
April	42.20	40.15	45.56	49.43	48.69	49.92	W
May	41.78	40.50	42.18	49.71	48.59	51.24	50.00
June	38.25	38.65	43.53	46.14	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	44.14	41.26	48.08	52.16	51.74	56.00	W
October	46.80	43.13	50.77	52.29	55.45	58.11	W
November	R50.47	R47.80	R55.80	R59.12	R57.06	W	W
December	49.77	49.71	60.13	61.15	57.06	W	-
2017	43.74	41.78	48.15	50.89	50.15	54.19	53.05

- = 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 2016 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							
January	22.58	23.84	28.81	32.31	33.96	W	W
February	24.13	23.06	30.59	31.54	32.82	W	W
March	28.96	28.49	35.00	36.39	36.45	W	46.17
April	31.16	32.03	38.03	39.61	41.84	42.79	W
May	38.32	37.95	44.04	44.45	45.26	47.93	W
June	40.90	40.39	44.61	47.16	48.13	50.67	W
July	37.91	37.94	43.00	44.37	47.85	48.61	W
August	38.22	36.47	43.35	44.02	45.83	46.60	W
September	37.99	36.77	44.73	44.69	46.71	46.95	W
October	41.56	40.47	44.81	47.69	49.80	50.10	W
November	39.80	37.88	46.14	46.52	48.22	50.71	52.19
December	44.68	42.56	50.07	50.81	51.77	52.85	54.19
2016	35.85	34.78	41.73	42.14	44.49	48.15	48.93
2017							
January	46.52	43.28	49.62	51.68	51.39	W	W
February	46.12	44.26	50.49	52.76	52.73	55.13	W
March	44.21	41.81	48.25	51.15	51.67	53.80	W
April	44.29	42.59	48.59	50.09	50.76	51.84	W
May	43.89	43.00	46.77	50.28	51.31	53.66	51.87
June	41.20	40.99	46.56	48.27	48.71	48.07	49.17
July	41.84	42.10	47.40	47.86	48.15	49.96	50.85
August	44.66	43.89	50.02	50.90	50.88	53.53	52.58
September	47.14	45.72	51.94	54.60	52.54	56.15	W
October	R49.69	R46.67	R54.21	R56.60	R55.55	59.03	58.12
November	R53.84	R51.89	R58.79	R60.76	R58.86	64.22	R65.83
December	53.50	51.52	60.92	62.47	60.55	63.87	W
2017	46.18	44.60	50.79	52.81	52.32	55.27	54.74

- = 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 2016 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							
January	14.67	39.97	8.05	28.29	7.58	W	W
February	17.08	39.91	7.33	26.90	7.41	W	W
March	15.99	39.89	7.09	28.81	7.00	W	W
April	15.21	41.12	5.90	26.43	8.70	W	W
May	15.78	44.08	8.63	21.39	7.76	W	W
June	16.03	37.92	10.60	22.94	7.74	W	W
July	16.33	39.01	10.91	23.35	7.65	W	W
August	19.78	35.51	8.22	24.34	10.03	W	W
September	17.14	38.13	7.52	24.58	11.10	W	W
October	17.49	38.52	5.78	25.72	8.69	W	W
November	17.99	35.22	10.62	22.64	9.46	2.36	1.72
December	16.78	38.02	9.82	23.82	7.94	2.21	1.41
2016	16.70	38.88	8.43	24.92	8.42	1.43	1.22
2017							
January	16.08	43.15	8.85	23.05	8.11	W	W
February	15.08	42.10	8.11	23.00	7.78	W	W
March	15.90	39.72	8.14	26.40	5.94	W	W
April	15.21	43.07	7.54	21.93	9.02	W	W
May	17.29	38.96	11.17	20.57	7.70	1.87	2.45
June	18.84	41.36	8.98	20.08	7.05	1.41	2.29
July	18.28	37.08	13.41	19.33	7.23	2.24	2.43
August	19.93	39.31	9.63	17.72	8.65	2.33	2.43
September	19.35	35.34	8.87	24.01	7.38	W	W
October	R22.47	R38.68	R11.18	R16.41	R7.61	R1.90	R1.76
November	R19.45	R40.49	R9.08	R20.79	R6.73	R1.36	R2.09
December	14.46	44.21	10.18	21.91	5.70	W	W
2017	17.71	40.23	9.60	21.27	7.45	1.91	1.83

- = 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 2016 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					
January	-	24.24	24.21	W	W
February	-	W	24.84	W	W
March	-	W	29.22	-	W
1st quarter average	-	26.69	26.05	W	W
April	-	W	30.95	W	W
May	-	W	39.08	W	38.57
June	-	W	42.43	-	42.02
2nd quarter average	-	W	37.45	W	38.53
July	-	W	40.25	-	40.28
August	-	W	38.76	-	39.02
September	-	39.76	38.61	-	39.06
3rd quarter average	-	39.69	39.20	-	39.36
October	-	44.37	43.20	W	42.84
November	-	W	39.73	W	41.14
December	-	W	45.55	W	45.11
4th quarter average	-	44.01	42.52	W	43.19
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	-	W	42.30	W	W
1st quarter average	W	47.16	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	-	44.20	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	RS4.73	-	W
December	-	W	55.27	-	-
4th quarter average	-	55.23	53.12	-	52.71
2017	W	48.74	46.69	W	45.62

- = 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 2016 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					
January	W	W	21.81	29.17	W
February	-	-	20.43	28.12	W
March	W	-	26.96	34.53	W
1st quarter average	W	W	22.99	30.06	W
April	-	-	31.38	38.30	W
May	W	-	35.84	42.53	W
June	W	-	39.70	46.22	W
2nd quarter average	W	-	35.87	42.16	W
July	W	-	36.70	44.75	W
August	W	-	34.94	42.99	W
September	-	W	34.66	43.94	W
3rd quarter average	W	W	35.44	43.88	W
October	52.01	-	40.05	46.75	W
November	49.15	W	36.32	41.11	W
December	53.37	-	41.50	48.31	W
4th quarter average	51.60	W	39.28	45.56	W
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	-	RS0.88	57.58	W
December	W	-	49.21	57.88	-
4th quarter average	W	-	47.56	56.04	W
2017	54.24	50.16	42.98	50.04	42.28

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					
January	28.35	26.72	30.55	25.03	W
February	28.24	28.25	29.27	25.46	-
March	35.40	30.07	35.16	29.82	-
1st quarter average	31.19	28.06	31.74	26.83	W
April	38.81	35.05	34.37	31.81	-
May	42.31	39.83	43.44	39.77	-
June	45.43	43.22	43.60	42.81	-
2nd quarter average	42.15	39.65	40.55	38.08	-
July	42.50	38.82	43.78	40.49	-
August	41.32	40.07	41.98	39.39	-
September	43.17	41.35	42.47	39.05	-
3rd quarter average	42.40	39.97	42.72	39.63	-
October	46.21	W	44.37	43.76	-
November	44.69	42.20	43.11	40.32	-
December	48.95	46.47	47.72	45.99	-
4th quarter average	46.30	44.15	44.72	43.22	-
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	48.41	43.12	-
1st quarter average	50.39	47.12	48.94	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	45.80	42.50	-
2nd quarter average	47.85	45.00	46.43	44.23	W
July	46.85	W	46.46	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	48.98	46.95	-
October	54.53	54.93	R51.69	50.26	-
November	R60.82	W	R57.63	55.48	-
December	62.10	59.25	58.00	56.04	-
4th quarter average	60.14	56.88	55.43	53.88	-
2017	51.93	48.57	49.80	47.69	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	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					
January	W	30.78	31.18	W	W
February	W	31.67	31.36	33.68	W
March	-	36.81	35.39	36.48	30.21
1st quarter average	W	33.05	33.09	34.54	26.18
April	W	40.26	38.92	41.25	W
May	W	44.02	41.76	47.00	39.92
June	-	46.72	44.48	47.42	42.92
2nd quarter average	W	43.60	41.67	45.29	39.49
July	-	44.18	42.76	46.66	41.62
August	-	43.75	42.90	45.27	39.95
September	-	44.23	43.65	45.28	40.29
3rd quarter average	-	44.07	43.12	45.49	40.49
October	W	48.24	45.46	48.12	44.07
November	W	46.46	45.60	48.23	42.50
December	W	51.42	49.09	51.38	46.60
4th quarter average	W	48.94	47.02	49.34	44.56
2016	W	41.25	41.62	45.62	38.97
2017					
January	W	51.78	49.33	51.41	47.49
February	W	53.09	50.81	53.95	47.09
March	W	50.62	49.73	51.29	43.92
1st quarter average	W	51.61	49.90	52.20	46.25
April	W	50.42	49.05	51.78	46.49
May	W	48.91	48.31	51.47	W
June	W	47.64	47.44	50.19	43.21
2nd quarter average	W	49.16	48.25	51.27	45.96
July	W	47.83	47.01	W	W
August	-	W	49.98	W	W
September	W	55.51	54.39	W	W
3rd quarter average	W	52.06	50.78	W	W
October	-	W	R58.14	W	W
November	-	R61.55	R58.72	W	W
December	-	W	W	W	W
4th quarter average	-	60.99	58.89	W	53.05
2017	W	52.53	51.02	52.53	47.29

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Effective January 2009, selected crude streams were discontinued and new crude streams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2016 are final.

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

Prices of Petroleum Products

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

dollars per gallon excluding taxes

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
United States												
December 2017	1.964	1.824	1.683	2.258	1.990	1.843	2.474	NA	1.988	2.036	1.843	1.720
November 2017	2.054	1.887	1.767	2.345	2.044	1.935	2.558	NA	2.086	2.125	1.912	1.806
December 2016	1.784	1.711	1.547	2.032	1.876	1.702	2.242	1.911	1.861	1.850	1.732	1.585
PAD District 1												
December 2017	1.864	NA	1.669	2.122	W	1.824	2.331	W	1.975	1.930	NA	1.707
November 2017	1.925	NA	1.736	2.180	W	1.890	2.392	W	2.063	1.990	NA	1.775
December 2016	1.712	1.586	1.565	1.967	W	1.719	2.186	W	1.909	1.780	1.617	1.605
Subdistrict 1A												
December 2017	W	W	1.705	W	-	1.784	W	-	1.968	W	W	1.737
November 2017	W	W	1.767	W	-	1.866	W	-	2.053	W	W	1.803
December 2016	W	W	1.589	W	-	1.697	W	-	1.895	W	W	1.624
Connecticut												
December 2017	-	W	1.703	-	-	1.786	-	-	2.016	-	W	1.749
November 2017	-	W	1.763	-	-	1.887	-	-	2.099	-	W	1.813
December 2016	-	W	1.585	-	-	1.707	-	-	1.915	-	W	1.628
Maine												
December 2017	-	-	1.734	-	-	W	-	-	W	-	-	1.754
November 2017	-	-	1.803	-	-	W	-	-	W	-	-	1.825
December 2016	-	-	1.621	-	-	W	-	-	W	-	-	1.638
Massachusetts												
December 2017	W	-	1.688	W	-	1.794	W	-	1.898	W	-	1.717
November 2017	W	-	1.763	W	-	1.878	W	-	2.003	W	-	1.796
December 2016	W	-	1.594	W	-	1.693	W	-	1.873	W	-	1.633
New Hampshire												
December 2017	W	-	W	W	-	-	W	-	W	W	-	W
November 2017	W	-	W	W	-	-	W	-	W	W	-	W
December 2016	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
December 2017	W	-	W	W	-	W	W	-	W	W	-	W
November 2017	W	-	NA	W	-	W	W	-	W	W	-	W
December 2016	W	-	W	W	-	W	W	-	W	W	-	W
Vermont												
December 2017	-	-	1.692	-	-	W	-	-	1.973	-	-	1.716
November 2017	-	-	W	-	-	W	-	-	2.051	-	-	1.795
December 2016	-	-	1.580	-	-	W	-	-	1.817	-	-	1.598
Subdistrict 1B												
December 2017	1.900	-	1.681	2.137	-	1.780	2.324	-	1.903	1.974	-	1.711
November 2017	1.963	-	1.749	2.195	-	1.856	2.384	-	2.007	2.036	-	1.782
December 2016	1.732	W	1.555	1.976	W	1.666	2.181	W	1.825	1.811	W	1.589
Delaware												
December 2017	W	-	1.723	W	-	1.790	W	-	1.914	W	-	1.742
November 2017	W	-	1.743	W	-	1.865	W	-	1.945	W	-	1.764
December 2016	W	-	1.575	W	-	1.678	W	-	1.761	W	-	1.595
District of Columbia												
December 2017	-	-	-	-	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-	-	-	-	-
December 2016	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
December 2017	-	-	1.668	-	-	1.737	-	-	1.904	-	-	1.701
November 2017	-	-	1.726	-	-	1.811	-	-	1.962	-	-	1.758
December 2016	-	W	1.551	-	W	1.638	-	W	1.820	-	W	1.588
New Jersey												
December 2017	W	-	1.677	W	-	1.787	W	-	1.865	W	-	1.704
November 2017	W	-	1.734	W	-	1.864	W	-	1.974	W	-	1.764
December 2016	W	-	1.541	W	-	1.670	W	-	1.772	W	-	1.572
New York												
December 2017	1.930	-	1.695	2.151	-	1.930	2.339	-	1.984	2.004	-	1.741
November 2017	1.995	-	1.771	2.211	-	1.989	2.398	-	2.077	2.067	-	1.821
December 2016	1.753	-	1.585	2.002	-	1.778	2.205	-	1.897	1.836	-	1.633
Pennsylvania												
December 2017	W	-	1.674	W	-	1.767	W	-	1.855	W	-	1.693
November 2017	W	-	1.759	W	-	1.854	W	-	1.992	W	-	1.782
December 2016	W	-	1.544	W	-	1.664	W	-	1.804	W	-	1.564

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 2017	W	W	1.657	W	W	1.840	W	W	2.034	W	W	1.700
November 2017	W	NA	1.724	W	W	1.903	W	W	2.104	W	W	1.768
December 2016	W	1.586	1.567	W	NA	1.738	W	W	1.965	W	1.618	1.612
Florida												
December 2017	W	W	1.689	W	-	1.907	W	W	2.072	W	W	1.739
November 2017	W	W	1.762	W	-	1.967	W	W	2.145	W	W	1.811
December 2016	W	W	1.592	W	-	1.794	W	W	1.995	W	W	1.642
Georgia												
December 2017	W	W	1.630	W	-	1.796	W	-	2.046	W	W	1.676
November 2017	W	W	1.694	W	-	1.861	W	-	2.115	W	W	1.742
December 2016	W	W	1.552	W	-	1.708	W	-	1.978	W	W	1.597
North Carolina												
December 2017	W	-	1.635	W	-	1.838	W	-	2.021	W	-	1.677
November 2017	W	-	1.702	W	-	1.893	W	-	2.089	W	-	1.745
December 2016	W	W	1.551	W	-	1.740	W	-	1.961	W	W	1.595
South Carolina												
December 2017	W	W	1.641	W	W	1.872	W	W	2.028	W	W	1.676
November 2017	W	W	1.697	W	W	1.931	W	W	2.088	W	W	1.733
December 2016	W	-	1.545	W	NA	1.736	W	-	1.948	W	NA	1.582
Virginia												
December 2017	W	-	1.663	W	-	1.774	W	-	1.948	W	-	1.697
November 2017	W	-	1.728	W	-	1.853	W	-	2.028	W	-	1.765
December 2016	W	-	1.568	W	-	1.697	W	-	1.894	W	-	1.610
West Virginia												
December 2017	W	-	1.652	W	-	1.827	W	-	2.104	W	-	1.675
November 2017	W	W	1.736	W	-	1.915	W	-	2.208	W	W	1.760
December 2016	W	-	1.566	W	-	1.759	W	-	2.009	W	-	1.588
PAD District 2												
December 2017	W	1.861	1.646	2.153	W	1.768	W	NA	1.983	W	1.870	1.673
November 2017	W	1.821	1.741	2.265	W	1.877	W	2.208	2.091	W	1.856	1.770
December 2016	W	NA	1.528	1.999	W	1.649	2.272	W	1.874	W	NA	1.557
Illinois												
December 2017	W	1.938	1.682	W	-	1.830	W	-	2.052	W	1.938	1.718
November 2017	W	2.011	1.781	W	-	1.928	W	-	2.161	W	2.011	1.817
December 2016	W	NA	1.553	W	-	1.723	W	-	2.015	W	NA	1.597
Indiana												
December 2017	W	W	1.644	W	-	1.853	W	-	2.055	W	W	1.672
November 2017	W	W	1.731	W	-	1.945	W	-	2.150	W	W	1.760
December 2016	W	W	1.521	W	-	1.748	W	-	1.962	W	W	1.550
Iowa												
December 2017	-	W	1.630	-	-	1.716	-	-	1.864	-	W	1.653
November 2017	-	W	1.750	-	-	1.855	-	-	2.010	-	W	1.778
December 2016	-	W	1.508	-	-	1.610	-	-	1.726	-	W	1.529
Kansas												
December 2017	W	W	1.591	W	W	1.692	-	-	1.765	W	W	1.603
November 2017	W	W	1.691	W	W	1.810	-	-	1.933	W	W	1.709
December 2016	W	W	1.484	W	W	1.593	-	-	1.653	W	W	1.498
Kentucky												
December 2017	W	W	1.681	W	-	1.853	W	-	2.074	W	W	1.704
November 2017	W	W	1.770	W	-	1.939	W	W	2.169	W	W	1.794
December 2016	W	NA	1.626	W	-	1.780	W	W	2.091	W	NA	1.655
Michigan												
December 2017	W	W	1.680	W	-	1.878	W	W	2.185	W	W	1.708
November 2017	W	W	1.773	W	-	2.007	W	W	2.274	W	W	1.801
December 2016	W	W	1.540	W	-	1.753	W	NA	2.049	W	W	1.568
Minnesota												
December 2017	W	W	1.626	W	W	1.683	W	W	1.805	W	W	1.644
November 2017	W	W	1.749	W	W	1.824	W	-	1.973	W	W	1.768
December 2016	W	W	1.468	W	W	1.543	W	W	1.644	W	W	1.482
Missouri												
December 2017	-	W	1.644	-	-	1.742	-	-	1.984	-	W	1.665
November 2017	-	W	1.750	-	-	1.873	-	-	2.110	-	W	1.776
December 2016	-	NA	1.526	-	-	1.647	-	-	1.868	-	NA	1.548

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 2017	W	W	1.630	W	-	1.772	-	-	1.892	W	W	1.655
November 2017	W	W	1.750	W	-	1.885	-	-	2.036	W	W	1.778
December 2016	W	W	1.501	W	-	1.648	W	-	1.727	W	W	1.523
North Dakota												
December 2017	W	W	1.638	W	W	1.749	W	W	1.951	W	W	1.666
November 2017	W	W	1.736	W	W	1.882	W	W	2.149	W	W	1.776
December 2016	W	W	1.439	W	W	1.570	W	W	1.849	W	W	1.480
Ohio												
December 2017	W	W	1.639	W	-	1.866	W	W	2.099	W	W	1.672
November 2017	W	W	1.733	W	-	1.959	W	W	2.203	W	W	1.765
December 2016	W	W	1.546	W	-	1.777	W	W	2.002	W	W	1.577
Oklahoma												
December 2017	W	W	1.629	W	-	1.744	W	-	1.810	W	W	1.652
November 2017	W	W	1.743	W	-	1.888	W	-	1.939	W	W	1.777
December 2016	W	W	1.501	W	-	1.600	W	-	NA	W	W	1.513
South Dakota												
December 2017	W	W	1.583	W	W	1.666	W	W	1.880	W	W	1.607
November 2017	W	W	1.737	W	W	1.793	W	W	2.027	W	W	1.759
December 2016	W	W	1.444	W	W	1.531	W	-	1.738	W	W	1.467
Tennessee												
December 2017	W	W	1.624	W	-	1.782	W	W	1.967	W	W	1.654
November 2017	W	W	1.677	W	-	1.837	W	W	2.026	W	W	1.708
December 2016	W	W	1.540	W	-	1.691	W	NA	1.909	W	W	1.572
Wisconsin												
December 2017	W	W	1.649	W	-	1.775	W	W	2.020	W	W	1.676
November 2017	W	W	1.739	W	-	1.886	W	W	2.144	W	W	1.767
December 2016	W	W	1.519	W	-	1.688	W	W	2.021	W	W	1.558
PAD District 3												
December 2017	NA	1.684	1.653	2.179	W	1.766	W	W	1.889	2.022	1.708	1.676
November 2017	NA	1.784	1.715	2.263	-	1.837	2.471	W	1.954	2.106	1.816	1.739
December 2016	1.652	1.601	1.515	1.869	W	1.656	2.043	NA	1.787	1.702	1.660	1.543
Alabama												
December 2017	-	W	1.633	-	-	1.836	-	W	2.062	-	W	1.670
November 2017	-	W	1.674	-	-	1.897	-	W	2.109	-	W	1.713
December 2016	W	W	1.553	W	W	1.785	W	W	2.028	W	W	1.593
Arkansas												
December 2017	-	-	1.636	-	-	1.790	-	-	1.929	-	-	1.659
November 2017	-	-	1.717	-	-	1.856	-	-	2.026	-	-	1.741
December 2016	-	-	1.512	-	-	1.665	-	-	1.814	-	-	1.534
Louisiana												
December 2017	-	W	1.666	-	-	1.780	-	-	1.849	-	W	1.690
November 2017	-	W	1.705	-	-	1.826	-	-	1.858	-	W	1.725
December 2016	-	W	1.523	-	-	1.634	-	-	1.786	-	W	1.555
Mississippi												
December 2017	-	-	1.675	-	-	1.788	-	-	2.047	-	-	1.694
November 2017	-	-	1.703	-	-	1.838	-	-	2.089	-	-	1.723
December 2016	-	W	1.504	-	W	1.700	-	-	NA	-	W	1.528
New Mexico												
December 2017	1.974	W	1.625	W	W	1.707	2.325	W	1.957	2.025	W	1.666
November 2017	2.077	W	1.770	2.252	-	1.904	W	W	2.108	2.129	W	1.810
December 2016	1.728	W	1.573	1.907	W	1.689	2.072	W	1.852	1.779	W	1.606
Texas												
December 2017	W	W	1.653	W	W	1.750	W	-	1.868	W	W	1.674
November 2017	W	W	1.721	W	-	1.821	W	-	1.944	W	W	1.743
December 2016	W	W	1.510	W	-	1.622	W	W	1.777	W	W	1.536

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 2017	W	1.810	1.626	2.254	W	1.794	2.532	W	1.938	W	1.865	1.683
November 2017	W	1.974	1.777	2.318	W	1.936	2.582	W	2.093	W	2.022	1.833
December 2016	1.717	1.515	1.433	1.879	W	1.627	2.121	W	1.738	W	1.564	1.489
Colorado												
December 2017	W	W	1.657	2.287	W	1.772	W	W	2.021	2.152	1.920	1.720
November 2017	W	2.049	1.828	2.379	W	1.960	W	W	2.213	2.247	2.068	1.891
December 2016	1.675	W	1.495	1.903	W	1.658	2.198	W	1.844	1.797	1.762	1.554
Idaho												
December 2017	W	W	1.667	W	-	1.811	W	W	1.902	W	W	1.703
November 2017	W	W	1.802	W	-	1.908	W	W	2.041	W	W	1.837
December 2016	W	W	1.440	W	-	1.604	W	W	1.679	W	W	1.475
Montana												
December 2017	W	W	1.747	W	W	W	W	W	2.192	W	W	1.819
November 2017	W	W	1.860	W	W	W	W	W	2.316	W	W	1.942
December 2016	W	W	1.442	W	W	1.588	W	W	1.890	W	W	1.526
Utah												
December 2017	W	W	1.542	W	W	1.807	W	-	1.783	W	W	1.598
November 2017	W	W	1.659	W	W	1.906	W	-	1.893	W	W	1.713
December 2016	W	W	1.351	W	NA	1.591	W	W	1.581	W	W	1.403
Wyoming												
December 2017	W	W	1.513	W	-	1.721	W	-	W	W	W	1.569
November 2017	W	W	1.710	W	-	1.887	W	-	W	W	W	1.766
December 2016	W	W	1.350	W	-	1.606	W	-	1.728	W	W	1.405
PAD District 5												
December 2017	2.304	1.985	1.820	2.465	W	1.986	2.605	2.264	2.072	2.377	2.014	1.869
November 2017	2.392	2.135	1.929	2.561	W	2.099	2.699	2.427	2.182	2.466	2.153	1.977
December 2016	2.015	1.833	1.615	2.152	NA	1.783	2.297	2.013	1.882	2.086	1.851	1.667
Alaska												
December 2017	W	W	W	W	-	W	W	W	2.344	W	W	W
November 2017	W	W	W	W	-	W	W	W	2.472	W	W	W
December 2016	W	W	W	W	W	W	W	W	2.087	W	W	W
Arizona												
December 2017	W	W	1.696	W	W	1.850	W	W	1.913	W	W	1.724
November 2017	W	W	1.792	W	W	1.960	W	W	2.008	W	W	1.819
December 2016	W	W	1.545	W	W	1.684	W	W	1.801	W	W	1.577
California												
December 2017	2.341	NA	1.871	2.491	W	1.986	2.608	-	2.108	2.414	NA	1.923
November 2017	2.443	W	1.984	2.594	W	2.118	2.714	-	2.227	2.516	W	2.036
December 2016	2.034	1.726	1.665	W	-	1.810	W	-	1.923	W	1.726	1.721
Hawaii												
December 2017	W	W	W	W	W	W	W	W	W	W	W	W
November 2017	W	W	W	W	W	W	W	W	W	W	W	W
December 2016	W	W	W	W	W	W	W	-	W	W	W	W
Nevada												
December 2017	W	W	1.693	W	-	1.856	W	-	1.909	W	W	1.740
November 2017	W	W	1.778	W	-	1.926	W	W	1.994	W	1.952	1.825
December 2016	W	W	1.489	W	-	1.591	W	-	1.697	W	W	1.533
Oregon												
December 2017	2.293	-	1.748	2.468	-	1.907	2.577	-	1.991	2.337	-	1.775
November 2017	2.319	-	1.855	2.493	-	2.016	2.608	-	2.100	2.364	-	1.883
December 2016	1.932	-	1.521	2.116	-	1.694	2.239	-	1.776	1.977	-	1.550
Washington												
December 2017	2.116	W	1.753	2.335	W	1.943	2.464	W	2.044	2.174	W	1.801
November 2017	2.199	W	1.874	2.397	W	2.056	2.538	W	2.149	2.255	W	1.919
December 2016	1.893	W	1.514	2.064	W	1.697	2.192	W	1.789	1.945	W	1.561

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Sales to "other end users" are all end-user sales that were not made through company-operated retail outlets, e.g., sales to agricultural customers or utilities.

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

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

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

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
December 2017	W	2.691	1.869	1.847	W	2.034
November 2017	W	2.841	1.831	1.795	W	1.961
December 2016	W	2.462	1.539	1.511	W	1.685
PAD District 1						
December 2017	W	2.763	1.916	1.913	W	2.188
November 2017	W	2.853	1.842	1.841	W	2.110
December 2016	W	2.573	1.535	1.520	W	1.760
Subdistrict 1A						
December 2017	W	W	2.020	1.959	W	-
November 2017	W	W	1.927	1.887	W	W
December 2016	-	W	1.564	W	W	-
Connecticut						
December 2017	-	-	W	W	-	-
November 2017	-	-	W	W	-	W
December 2016	-	-	W	W	-	-
Maine						
December 2017	W	W	W	W	-	-
November 2017	-	W	W	W	-	-
December 2016	-	W	W	W	-	-
Massachusetts						
December 2017	-	-	1.986	1.956	W	-
November 2017	-	-	W	1.884	W	-
December 2016	-	-	W	W	W	-
New Hampshire						
December 2017	-	-	W	W	W	-
November 2017	-	-	W	W	W	-
December 2016	-	-	W	W	W	-
Rhode Island						
December 2017	-	-	W	W	W	-
November 2017	-	-	W	W	W	-
December 2016	-	-	W	W	W	-
Vermont						
December 2017	-	-	W	W	-	-
November 2017	W	-	W	W	-	-
December 2016	-	-	W	W	-	-
Subdistrict 1B						
December 2017	W	2.777	1.927	1.915	W	2.153
November 2017	-	2.906	1.835	1.831	2.866	2.062
December 2016	W	W	1.504	1.500	2.595	1.700
Delaware						
December 2017	-	-	-	-	W	-
November 2017	-	-	-	-	W	W
December 2016	-	-	-	-	W	-
District of Columbia						
December 2017	-	-	-	-	-	-
November 2017	-	-	-	-	-	-
December 2016	-	-	-	-	-	-
Maryland						
December 2017	-	-	W	W	-	W
November 2017	-	-	W	1.788	-	W
December 2016	-	-	W	1.511	-	W
New Jersey						
December 2017	-	W	1.924	1.907	W	2.095
November 2017	-	W	1.835	1.823	W	W
December 2016	-	-	1.502	1.483	W	W
New York						
December 2017	-	W	1.940	1.987	W	W
November 2017	-	W	1.844	1.894	W	W
December 2016	W	W	W	1.538	W	W
Pennsylvania						
December 2017	W	W	W	1.929	W	2.660
November 2017	-	W	W	1.843	2.914	2.382
December 2016	-	W	W	1.521	2.587	W

See footnotes at end of table.

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

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
December 2017	-	2.754	1.898	1.888	W	2.333
November 2017	W	2.831	1.838	1.853	W	2.185
December 2016	W	2.549	1.571	1.541	W	2.155
Florida						
December 2017	-	2.705	NA	1.888	W	W
November 2017	-	2.787	W	1.862	W	W
December 2016	-	2.494	1.595	1.548	W	-
Georgia						
December 2017	-	W	W	1.857	-	W
November 2017	W	W	W	1.794	-	W
December 2016	W	2.649	W	1.534	-	W
North Carolina						
December 2017	-	W	W	1.904	W	W
November 2017	-	W	W	W	W	2.179
December 2016	W	W	W	W	W	W
South Carolina						
December 2017	-	-	W	1.874	W	W
November 2017	-	-	W	1.816	W	2.125
December 2016	-	-	W	1.520	W	W
Virginia						
December 2017	-	W	1.860	W	-	W
November 2017	-	W	1.791	W	-	W
December 2016	-	W	1.503	1.533	-	W
West Virginia						
December 2017	-	-	W	W	W	-
November 2017	-	-	W	W	W	-
December 2016	-	-	W	W	W	-
PAD District 2						
December 2017	W	2.693	1.874	1.876	W	2.605
November 2017	W	2.839	1.824	1.819	W	2.430
December 2016	W	2.457	1.521	1.532	W	2.075
Illinois						
December 2017	-	W	1.908	W	W	W
November 2017	-	W	1.866	W	W	W
December 2016	W	W	1.543	W	W	W
Indiana						
December 2017	-	-	1.835	1.870	W	2.767
November 2017	-	-	1.770	1.819	W	2.724
December 2016	-	-	NA	1.544	W	W
Iowa						
December 2017	-	-	1.979	1.939	-	-
November 2017	-	-	1.997	1.894	-	-
December 2016	-	-	1.602	W	-	W
Kansas						
December 2017	W	W	NA	W	-	W
November 2017	W	W	NA	W	-	W
December 2016	W	W	W	W	-	W
Kentucky						
December 2017	-	W	1.857	1.847	W	W
November 2017	-	W	1.806	1.792	W	W
December 2016	-	W	W	1.481	W	W
Michigan						
December 2017	W	-	1.907	1.847	W	W
November 2017	-	-	1.880	1.777	W	W
December 2016	W	-	1.511	1.501	W	W
Minnesota						
December 2017	W	W	W	W	W	W
November 2017	W	W	W	W	W	W
December 2016	-	W	W	W	W	W
Missouri						
December 2017	W	-	W	W	-	-
November 2017	W	-	W	W	-	W
December 2016	W	-	W	W	-	W

See footnotes at end of table.

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

dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
December 2017	W	-	W	W	-	-
November 2017	W	-	W	W	-	-
December 2016	W	-	W	W	-	-
North Dakota						
December 2017	-	-	W	W	-	-
November 2017	-	-	W	W	-	W
December 2016	-	-	W	W	-	W
Ohio						
December 2017	-	-	1.885	1.836	W	W
November 2017	-	W	1.817	1.780	W	W
December 2016	-	-	1.534	1.486	W	W
Oklahoma						
December 2017	W	-	W	1.908	-	W
November 2017	W	-	W	1.879	-	W
December 2016	W	-	W	1.532	-	W
South Dakota						
December 2017	-	-	W	-	-	-
November 2017	-	-	W	-	-	W
December 2016	-	-	W	-	-	W
Tennessee						
December 2017	W	W	W	1.865	W	W
November 2017	W	W	W	1.811	W	2.160
December 2016	W	2.636	W	1.513	W	W
Wisconsin						
December 2017	-	-	W	W	W	2.443
November 2017	-	-	W	W	W	2.364
December 2016	-	-	W	W	W	1.935
PAD District 3						
December 2017	W	W	1.867	1.807	-	1.859
November 2017	W	2.643	1.802	1.753	-	1.793
December 2016	W	2.362	1.512	1.465	-	1.535
Alabama						
December 2017	-	-	1.884	1.860	-	W
November 2017	W	-	1.826	1.804	-	W
December 2016	-	W	1.494	1.527	-	W
Arkansas						
December 2017	W	-	W	1.970	-	-
November 2017	W	-	W	1.942	-	W
December 2016	W	-	W	W	-	W
Louisiana						
December 2017	-	-	1.824	1.803	-	W
November 2017	-	-	1.765	1.739	-	W
December 2016	W	2.465	1.439	1.432	-	W
Mississippi						
December 2017	-	W	1.831	1.814	-	W
November 2017	-	W	1.773	1.730	-	W
December 2016	-	W	1.502	1.469	-	W
New Mexico						
December 2017	W	-	W	W	-	-
November 2017	W	-	W	W	-	-
December 2016	W	-	W	W	-	-
Texas						
December 2017	W	W	1.882	1.807	-	W
November 2017	W	W	1.811	1.761	-	2.049
December 2016	W	W	1.530	1.483	-	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 2017	W	W	1.915	1.901	W	-
November 2017	W	W	1.890	1.862	-	-
December 2016	W	W	1.581	1.572	-	-
Colorado						
December 2017	W	-	1.885	W	-	-
November 2017	W	-	1.834	NA	-	-
December 2016	W	-	1.549	1.567	-	-
Idaho						
December 2017	-	-	W	1.992	W	-
November 2017	-	-	W	1.991	-	-
December 2016	-	-	W	1.694	-	-
Montana						
December 2017	-	W	W	W	-	-
November 2017	-	W	W	W	-	-
December 2016	NA	W	W	W	-	-
Utah						
December 2017	W	W	1.894	1.880	-	-
November 2017	W	W	1.881	1.864	-	-
December 2016	W	W	1.578	1.572	-	-
Wyoming						
December 2017	-	-	W	W	-	-
November 2017	-	-	W	W	-	-
December 2016	-	-	W	W	-	-
PAD District 5						
December 2017	W	2.724	1.847	1.853	W	W
November 2017	W	3.082	1.841	1.822	W	W
December 2016	W	2.446	1.562	1.554	W	W
Alaska						
December 2017	W	W	W	W	-	-
November 2017	W	W	W	W	-	-
December 2016	W	-	W	W	-	-
Arizona						
December 2017	W	W	1.907	1.874	-	-
November 2017	W	W	1.879	1.872	-	-
December 2016	W	W	1.595	1.588	-	-
California						
December 2017	-	W	1.834	1.841	-	W
November 2017	-	3.092	1.831	1.810	-	W
December 2016	-	W	1.543	1.543	-	W
Hawaii						
December 2017	-	W	W	W	-	-
November 2017	-	W	W	W	-	-
December 2016	-	W	W	W	-	-
Nevada						
December 2017	-	-	W	W	-	-
November 2017	-	-	W	W	-	-
December 2016	-	-	W	W	-	-
Oregon						
December 2017	-	2.994	W	1.873	-	-
November 2017	-	3.171	W	1.866	-	-
December 2016	-	2.596	1.595	1.584	-	-
Washington						
December 2017	-	W	1.829	1.885	W	-
November 2017	-	W	1.846	1.849	W	-
December 2016	-	W	1.533	1.554	W	-

-- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

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 2017	2,423	2,256	2,039	1,911	-	W
November 2017	2,466	2,284	2,048	1,926	-	W
December 2016	NA	1,851	1,721	1,597	-	W
PAD District 1						
December 2017	-	W	2,103	1,927	-	-
November 2017	-	2,013	2,092	1,905	-	-
December 2016	W	W	1,815	1,621	-	-
Subdistrict 1A						
December 2017	-	-	W	1,982	-	-
November 2017	-	W	W	1,908	-	-
December 2016	-	W	1,947	1,635	-	-
Connecticut						
December 2017	-	-	W	2,004	-	-
November 2017	-	-	W	1,857	-	-
December 2016	-	-	W	1,605	-	-
Maine						
December 2017	-	-	-	2,018	-	-
November 2017	-	-	-	1,943	-	-
December 2016	-	W	-	1,767	-	-
Massachusetts						
December 2017	-	-	W	1,944	-	-
November 2017	-	-	W	1,918	-	-
December 2016	-	-	W	1,712	-	-
New Hampshire						
December 2017	-	-	W	W	-	-
November 2017	-	W	W	W	-	-
December 2016	-	W	W	W	-	-
Rhode Island						
December 2017	-	-	W	1,974	-	-
November 2017	-	-	W	1,906	-	-
December 2016	-	-	W	W	-	-
Vermont						
December 2017	-	-	W	W	-	-
November 2017	-	-	W	W	-	-
December 2016	-	W	W	W	-	-
Subdistrict 1B						
December 2017	-	W	W	1,916	-	-
November 2017	-	W	W	1,886	-	-
December 2016	W	W	1,815	1,592	-	-
Delaware						
December 2017	-	-	W	W	-	-
November 2017	-	-	W	1,877	-	-
December 2016	-	-	W	1,602	-	-
District of Columbia						
December 2017	-	-	-	W	-	-
November 2017	-	-	-	W	-	-
December 2016	-	-	-	W	-	-
Maryland						
December 2017	-	-	-	1,919	-	-
November 2017	-	-	W	1,906	-	-
December 2016	-	-	W	1,622	-	-
New Jersey						
December 2017	-	-	2,108	1,897	-	-
November 2017	-	W	2,037	1,871	-	-
December 2016	-	-	1,832	1,574	-	-
New York						
December 2017	-	W	2,219	1,969	-	-
November 2017	-	W	2,212	1,920	-	-
December 2016	-	W	1,914	1,619	-	-
Pennsylvania						
December 2017	-	W	2,042	1,927	-	-
November 2017	-	W	2,054	1,895	-	-
December 2016	W	W	1,740	1,599	-	-

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 2017	-	W	2.093	1.936	-	-
November 2017	-	W	2.089	1.933	-	-
December 2016	-	W	1.810	1.665	-	-
Florida						
December 2017	-	-	2.069	1.957	-	-
November 2017	-	-	2.062	1.957	-	-
December 2016	-	-	1.805	1.696	-	-
Georgia						
December 2017	-	W	1.920	1.916	-	-
November 2017	-	W	1.917	1.917	-	-
December 2016	-	W	1.705	1.655	-	-
North Carolina						
December 2017	-	-	2.125	1.919	-	-
November 2017	-	-	2.134	1.914	-	-
December 2016	-	-	1.823	1.631	-	-
South Carolina						
December 2017	-	-	W	1.925	-	-
November 2017	-	-	W	1.928	-	-
December 2016	-	-	W	1.654	-	-
Virginia						
December 2017	-	-	2.032	1.931	-	-
November 2017	-	-	2.044	1.913	-	-
December 2016	-	-	1.734	1.656	-	-
West Virginia						
December 2017	-	-	W	1.980	-	-
November 2017	-	-	W	1.979	-	-
December 2016	-	-	W	1.668	-	-
PAD District 2						
December 2017	2.433	2.259	2.027	1.936	-	W
November 2017	2.325	2.268	2.051	1.973	-	W
December 2016	2.198	1.837	1.689	1.586	-	W
Illinois						
December 2017	W	NA	W	1.945	-	-
November 2017	W	2.459	W	1.975	-	-
December 2016	W	W	W	1.550	-	-
Indiana						
December 2017	-	W	W	1.939	-	-
November 2017	-	W	W	1.978	-	-
December 2016	-	W	W	1.556	-	-
Iowa						
December 2017	-	2.215	1.991	1.945	-	-
November 2017	-	2.205	2.018	1.984	-	-
December 2016	-	1.822	1.693	1.622	-	-
Kansas						
December 2017	-	2.158	1.879	1.909	-	-
November 2017	W	2.193	1.903	1.937	-	-
December 2016	-	1.829	W	1.589	-	-
Kentucky						
December 2017	W	W	W	1.964	-	W
November 2017	-	W	W	1.984	-	W
December 2016	-	W	W	1.635	-	W
Michigan						
December 2017	W	W	W	1.952	-	-
November 2017	W	2.678	W	1.996	-	-
December 2016	W	NA	W	1.598	-	-
Minnesota						
December 2017	2.408	2.227	2.022	1.969	-	-
November 2017	W	2.248	2.087	2.012	-	-
December 2016	2.298	1.807	1.687	1.612	-	-
Missouri						
December 2017	-	2.228	1.943	1.930	-	-
November 2017	-	2.244	W	1.968	-	-
December 2016	-	1.883	NA	1.608	-	-

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 2017	W	2.215	W	1.939	-	-
November 2017	W	2.232	W	1.990	-	-
December 2016	W	1.820	W	1.625	-	-
North Dakota						
December 2017	W	2.222	W	1.993	-	-
November 2017	2.322	2.306	W	2.062	-	-
December 2016	W	1.746	W	1.472	-	-
Ohio						
December 2017	-	W	W	1.958	-	-
November 2017	-	W	W	1.987	-	-
December 2016	-	W	1.714	1.596	-	-
Oklahoma						
December 2017	-	2.058	1.906	1.877	-	-
November 2017	-	2.063	1.926	1.918	-	-
December 2016	-	W	W	1.560	-	-
South Dakota						
December 2017	W	2.261	W	1.966	-	-
November 2017	W	2.266	W	2.019	-	-
December 2016	W	1.823	W	1.624	-	-
Tennessee						
December 2017	-	W	2.062	1.923	-	-
November 2017	-	W	2.052	1.939	-	-
December 2016	-	W	1.780	1.636	-	-
Wisconsin						
December 2017	W	2.283	2.242	1.987	-	-
November 2017	W	2.246	2.264	2.006	-	-
December 2016	W	W	1.634	1.613	-	-
PAD District 3						
December 2017	-	W	1.960	1.852	-	W
November 2017	-	W	1.931	1.832	-	W
December 2016	-	W	1.673	1.563	-	W
Alabama						
December 2017	-	-	1.945	1.904	-	-
November 2017	-	-	1.943	1.906	-	-
December 2016	-	-	1.688	1.645	-	-
Arkansas						
December 2017	-	-	W	1.915	-	-
November 2017	-	-	W	1.930	-	-
December 2016	-	-	W	1.599	-	-
Louisiana						
December 2017	-	W	1.989	1.805	-	-
November 2017	-	W	1.964	1.799	-	-
December 2016	-	W	1.740	1.526	-	-
Mississippi						
December 2017	-	-	W	1.861	-	-
November 2017	-	-	W	1.821	-	-
December 2016	-	-	W	1.579	-	-
New Mexico						
December 2017	-	W	2.046	2.069	-	-
November 2017	-	-	2.007	2.048	-	-
December 2016	-	-	NA	1.660	-	-
Texas						
December 2017	-	-	1.944	1.860	-	W
November 2017	-	-	1.916	1.833	-	W
December 2016	-	-	1.660	1.570	-	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 2017	2.526	2.316	2.035	2.010	-	-
November 2017	2.770	2.432	2.100	2.149	-	-
December 2016	2.057	1.869	1.658	1.585	-	-
Colorado						
December 2017	-	2.276	2.075	2.001	-	-
November 2017	-	2.379	2.149	2.104	-	-
December 2016	W	1.875	1.658	1.623	-	-
Idaho						
December 2017	W	2.470	2.165	2.024	-	-
November 2017	W	2.579	2.412	2.218	-	-
December 2016	W	1.991	1.799	1.590	-	-
Montana						
December 2017	W	2.257	W	2.045	-	-
November 2017	W	2.328	2.156	2.098	-	-
December 2016	W	1.780	1.723	1.524	-	-
Utah						
December 2017	W	2.469	2.041	1.980	-	-
November 2017	W	2.686	2.119	2.161	-	-
December 2016	W	2.023	1.629	1.565	-	-
Wyoming						
December 2017	W	2.316	1.961	2.043	-	-
November 2017	W	2.512	1.991	2.228	-	-
December 2016	W	1.881	1.626	1.604	-	-
PAD District 5						
December 2017	W	2.159	2.102	1.971	-	-
November 2017	W	2.298	2.121	2.065	-	-
December 2016	NA	1.876	1.793	1.691	-	-
Alaska						
December 2017	W	W	W	W	-	-
November 2017	W	W	W	W	-	-
December 2016	W	W	W	W	-	-
Arizona						
December 2017	-	-	NA	1.969	-	-
November 2017	-	-	2.037	2.020	-	-
December 2016	-	-	NA	1.717	-	-
California						
December 2017	-	-	2.074	1.986	-	-
November 2017	-	-	2.120	2.060	-	-
December 2016	-	-	1.759	1.704	-	-
Hawaii						
December 2017	-	-	W	W	-	-
November 2017	-	-	W	W	-	-
December 2016	-	-	W	W	-	-
Nevada						
December 2017	W	-	2.112	1.965	-	-
November 2017	-	-	W	2.029	-	-
December 2016	-	-	1.855	1.677	-	-
Oregon						
December 2017	-	NA	2.249	1.967	-	-
November 2017	-	W	2.289	2.100	-	-
December 2016	-	W	1.867	1.674	-	-
Washington						
December 2017	W	W	2.034	1.922	-	-
November 2017	W	W	2.116	2.083	-	-
December 2016	W	W	1.829	1.639	-	-

-- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales of No. 2 fuel oil and diesel fuels.

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

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

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

Volume of Petroleum Products

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

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States										
December 2017	19,777.8	20,016.0	16,818.6	229,372.0	17,709.6	1,646.4	1,658.7	256.7	1,850.0	-
November 2017	19,908.9	20,165.9	16,979.1	231,480.7	18,382.5	1,651.0	1,667.1	253.2	1,955.5	-
December 2016	19,612.6	19,840.0	17,600.8	227,177.2	16,177.0	1,702.6	1,714.4	302.2	2,239.4	-
PAD District 1										
December 2017	6,668.0	6,708.4	W	W	4,195.3	578.0	580.5	W	W	-
November 2017	6,676.4	6,719.3	W	W	4,297.8	572.6	575.7	W	W	-
December 2016	6,560.6	6,572.8	W	W	2,035.4	573.8	578.0	W	W	-
Subdistrict 1A										
December 2017	W	W	W	W	W	W	W	-	25.0	-
November 2017	W	W	W	W	W	W	W	-	31.8	-
December 2016	W	W	W	W	W	W	W	W	W	-
Connecticut										
December 2017	-	W	-	1,760.2	NA	-	-	-	10.6	-
November 2017	-	W	-	1,719.8	NA	-	-	-	13.2	-
December 2016	-	W	W	W	W	-	-	W	W	-
Maine										
December 2017	-	-	-	625.9	-	-	-	-	W	-
November 2017	-	-	-	616.7	-	-	-	-	W	-
December 2016	-	-	-	581.4	-	-	-	-	W	-
Massachusetts										
December 2017	W	W	-	970.1	-	W	W	-	4.1	-
November 2017	W	W	-	902.0	-	W	W	-	4.0	-
December 2016	W	W	W	W	-	W	W	-	5.3	-
New Hampshire										
December 2017	W	W	W	W	-	W	W	-	-	-
November 2017	W	W	W	W	-	W	W	-	-	-
December 2016	W	W	W	W	-	W	W	-	-	-
Rhode Island										
December 2017	W	W	-	NA	W	W	W	-	W	-
November 2017	W	W	-	W	W	W	W	-	W	-
December 2016	W	W	W	762.2	W	W	W	-	W	-
Vermont										
December 2017	-	-	W	W	-	-	-	-	W	-
November 2017	-	-	W	85.0	-	-	-	-	W	-
December 2016	-	-	W	W	-	-	-	-	W	-
Subdistrict 1B										
December 2017	3,258.4	3,258.4	W	22,282.1	W	344.2	344.2	W	W	-
November 2017	3,212.7	3,212.7	W	21,727.5	W	338.2	338.2	W	W	-
December 2016	3,154.7	3,156.3	W	21,243.1	W	340.5	340.6	W	W	-
Delaware										
December 2017	W	W	-	1,000.4	-	W	W	-	8.4	-
November 2017	W	W	-	1,009.9	-	W	W	-	9.1	-
December 2016	W	W	-	946.4	-	W	W	-	9.9	-
District of Columbia										
December 2017	-	-	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-	-	-
December 2016	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2017	-	-	-	4,013.1	-	-	-	-	54.6	-
November 2017	-	-	W	W	-	-	-	-	56.7	-
December 2016	-	W	W	W	W	-	W	-	64.1	-
New Jersey										
December 2017	W	W	W	6,595.0	W	W	W	W	W	-
November 2017	W	W	W	W	1,097.1	W	W	W	W	-
December 2016	W	W	W	6,760.2	W	W	W	W	W	-
New York										
December 2017	1,990.1	1,990.1	W	W	W	220.3	220.3	W	W	-
November 2017	1,961.8	1,961.8	W	W	W	216.3	216.3	W	W	-
December 2016	1,937.1	1,937.1	W	4,856.0	W	216.2	216.2	W	W	-
Pennsylvania										
December 2017	W	W	-	W	W	W	W	-	26.1	-
November 2017	W	W	-	W	W	W	W	-	26.3	-
December 2016	W	W	-	W	W	W	W	-	31.9	-

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 2017	2,414.5	2,436.8	4,765.4	28,411.1	2,529.6	23,838.6	24,111.5	21,840.6	259,633.4	20,239.3
November 2017	2,421.0	2,443.3	4,642.8	28,607.8	2,471.6	23,980.9	24,276.3	21,875.1	262,044.0	20,854.1
December 2016	2,523.3	2,540.9	4,918.8	27,479.0	2,560.7	23,838.6	24,095.3	22,821.9	256,895.5	18,737.6
PAD District 1										
December 2017	828.1	834.6	W	9,105.1	W	8,074.0	8,123.5	W	77,198.2	W
November 2017	817.3	823.6	W	9,061.2	W	8,066.2	8,118.5	W	77,294.7	W
December 2016	826.7	826.9	W	8,620.7	W	7,961.2	7,977.7	W	76,282.1	W
Subdistrict 1A										
December 2017	W	W	W	W	-	W	W	W	W	W
November 2017	W	W	W	W	-	W	W	W	W	W
December 2016	W	W	W	W	-	W	W	W	W	W
Connecticut										
December 2017	-	-	-	350.9	-	-	W	-	2,121.7	NA
November 2017	-	-	-	347.3	-	-	W	-	2,080.4	NA
December 2016	-	-	W	W	-	-	W	W	2,475.8	W
Maine										
December 2017	-	-	W	43.1	-	-	-	W	W	-
November 2017	-	-	W	45.3	-	-	-	W	W	-
December 2016	-	-	W	32.9	-	-	-	W	W	-
Massachusetts										
December 2017	W	W	-	157.0	-	W	W	-	1,131.3	-
November 2017	W	W	-	143.8	-	W	W	-	1,049.8	-
December 2016	W	W	W	W	-	W	W	W	W	-
New Hampshire										
December 2017	W	W	W	W	-	W	W	W	W	-
November 2017	W	W	W	W	-	W	W	W	W	-
December 2016	W	W	W	W	-	W	W	W	W	-
Rhode Island										
December 2017	W	W	-	W	-	W	W	-	NA	W
November 2017	W	W	-	W	-	W	W	-	NA	W
December 2016	W	W	W	W	-	W	W	W	897.8	W
Vermont										
December 2017	-	-	W	8.6	-	-	-	W	W	-
November 2017	-	-	W	W	-	-	-	W	W	-
December 2016	-	-	W	W	-	-	-	W	W	-
Subdistrict 1B										
December 2017	528.4	528.4	W	W	W	4,130.9	4,130.9	W	25,623.9	W
November 2017	517.5	517.5	W	W	W	4,068.4	4,068.4	W	24,886.1	W
December 2016	522.8	522.9	W	W	W	4,018.0	4,019.8	W	24,227.5	W
Delaware										
December 2017	W	W	-	106.0	-	W	W	-	1,114.7	-
November 2017	W	W	-	113.9	-	W	W	-	1,132.8	-
December 2016	W	W	-	105.1	-	W	W	-	1,061.3	-
District of Columbia										
December 2017	-	-	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-	-	-
December 2016	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2017	-	-	-	640.6	-	-	-	-	4,708.4	-
November 2017	-	-	-	640.8	-	-	-	W	W	-
December 2016	-	W	-	W	W	-	W	W	W	W
New Jersey										
December 2017	W	W	W	1,150.2	W	W	W	W	W	1,021.5
November 2017	W	W	W	929.7	W	W	W	W	7,317.2	W
December 2016	W	W	W	W	W	W	W	W	7,736.3	W
New York										
December 2017	340.7	340.7	W	W	W	2,551.1	2,551.1	W	6,006.1	W
November 2017	333.6	333.6	W	822.6	W	2,511.6	2,511.6	W	5,857.0	W
December 2016	337.4	337.4	W	W	W	2,490.6	2,490.6	W	5,605.2	W
Pennsylvania										
December 2017	W	W	-	W	W	W	W	-	W	W
November 2017	W	W	-	W	W	W	W	-	W	W
December 2016	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 2017	W	W	-	W	W	W	W	-	426.7	-
November 2017	W	W	-	W	W	W	W	-	458.5	-
December 2016	W	W	-	W	W	W	W	-	465.2	-
Florida										
December 2017	W	W	-	13,294.9	-	W	W	-	111.2	-
November 2017	W	W	-	13,355.9	-	W	W	-	114.0	-
December 2016	W	W	-	14,031.5	-	W	W	-	106.6	-
Georgia										
December 2017	W	W	-	W	W	W	W	-	59.7	-
November 2017	W	W	-	7,984.4	-	W	W	-	60.2	-
December 2016	W	W	-	W	W	W	W	-	60.2	-
North Carolina										
December 2017	W	W	-	8,512.1	-	W	W	-	124.1	-
November 2017	W	W	-	W	W	W	W	-	138.5	-
December 2016	W	W	-	8,404.8	-	W	W	-	133.8	-
South Carolina										
December 2017	W	W	-	4,282.2	-	W	W	-	37.4	-
November 2017	W	W	-	W	W	W	W	-	41.3	-
December 2016	W	W	-	W	W	W	W	-	41.9	-
Virginia										
December 2017	W	W	-	W	W	W	W	-	87.0	-
November 2017	W	W	-	W	W	W	W	-	96.3	-
December 2016	W	W	-	6,378.0	-	W	W	-	114.2	-
West Virginia										
December 2017	W	W	-	588.9	-	W	W	-	7.4	-
November 2017	W	W	-	637.9	-	W	W	-	8.3	-
December 2016	W	W	-	779.2	-	W	W	-	8.6	-
PAD District 2										
December 2017	W	W	W	W	986.4	321.6	325.9	W	W	-
November 2017	W	W	W	W	669.0	318.3	324.7	W	W	-
December 2016	W	W	W	W	1,192.1	327.5	331.9	W	W	-
Illinois										
December 2017	W	W	-	W	W	W	W	-	80.4	-
November 2017	W	W	-	W	W	W	W	-	78.7	-
December 2016	W	W	-	W	W	W	W	-	103.4	-
Indiana										
December 2017	W	W	-	W	W	W	W	-	26.0	-
November 2017	W	W	-	W	W	W	W	-	27.5	-
December 2016	W	W	-	W	W	W	W	-	39.0	-
Iowa										
December 2017	-	W	-	2,639.8	-	-	-	-	64.0	-
November 2017	-	W	-	2,714.6	-	-	-	-	63.2	-
December 2016	-	W	-	2,844.2	-	-	-	-	66.1	-
Kansas										
December 2017	W	W	-	W	W	W	W	-	23.0	-
November 2017	W	W	-	W	W	W	W	-	21.9	-
December 2016	W	W	-	W	W	W	W	-	28.0	-
Kentucky										
December 2017	W	W	-	W	W	W	W	-	12.3	-
November 2017	W	W	-	W	W	W	W	-	13.1	-
December 2016	W	W	-	W	W	W	W	-	13.1	-
Michigan										
December 2017	W	W	-	9,385.6	-	W	W	-	11.6	-
November 2017	W	W	-	9,650.1	-	W	W	-	12.5	-
December 2016	W	W	-	9,544.9	-	W	W	-	16.0	-
Minnesota										
December 2017	W	W	W	W	-	W	W	W	W	-
November 2017	W	W	W	4,718.4	W	W	W	W	W	-
December 2016	W	W	W	5,299.0	W	W	W	W	W	-
Missouri										
December 2017	-	W	-	3,693.6	-	-	-	-	18.6	-
November 2017	-	W	-	3,511.8	-	-	-	-	21.6	-
December 2016	-	NA	-	3,340.3	-	-	-	-	20.0	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
December 2017	W	W	-	5,180.5	-	W	W	-	W	W
November 2017	W	W	-	5,332.7	-	W	W	-	W	W
December 2016	W	W	-	5,129.6	-	W	W	-	W	W
Florida										
December 2017	W	W	-	1,944.3	-	W	W	-	15,350.3	-
November 2017	W	W	-	1,922.6	-	W	W	-	15,392.5	-
December 2016	W	W	-	1,952.8	-	W	W	-	16,091.0	-
Georgia										
December 2017	W	W	-	964.7	-	W	W	-	W	W
November 2017	W	W	-	1,004.1	-	W	W	-	9,048.7	-
December 2016	W	W	-	903.2	-	W	W	-	W	W
North Carolina										
December 2017	W	W	-	961.0	-	W	W	-	9,597.1	-
November 2017	W	W	-	1,026.1	-	W	W	-	W	W
December 2016	W	W	-	934.7	-	W	W	-	9,473.2	-
South Carolina										
December 2017	W	W	-	413.3	-	W	W	-	4,732.9	-
November 2017	W	W	-	435.8	-	W	W	-	W	W
December 2016	W	W	-	406.4	-	W	W	-	W	W
Virginia										
December 2017	W	W	-	867.4	-	W	W	-	W	W
November 2017	W	W	-	912.7	-	W	W	-	W	W
December 2016	W	W	-	896.0	-	W	W	-	7,388.2	-
West Virginia										
December 2017	W	W	-	29.7	-	W	W	-	626.0	-
November 2017	W	W	-	31.3	-	W	W	-	677.4	-
December 2016	W	W	-	36.5	-	W	W	-	824.3	-
PAD District 2										
December 2017	W	W	W	6,081.4	W	W	8,832.8	W	82,685.8	W
November 2017	W	W	W	6,259.1	W	W	8,901.2	W	83,826.7	W
December 2016	437.5	W	W	6,049.9	W	W	8,797.8	W	83,409.0	W
Illinois										
December 2017	W	W	-	1,135.7	-	W	W	-	W	W
November 2017	W	W	-	1,138.0	-	W	W	-	W	W
December 2016	W	W	-	1,186.4	-	W	W	-	W	W
Indiana										
December 2017	W	W	-	W	W	W	W	-	W	W
November 2017	W	W	-	W	W	W	W	-	W	W
December 2016	W	W	-	397.3	-	W	W	-	W	W
Iowa										
December 2017	-	-	-	272.0	-	-	W	-	2,975.8	-
November 2017	-	-	-	311.5	-	-	W	-	3,089.3	-
December 2016	-	-	-	274.1	-	-	W	-	3,184.4	-
Kansas										
December 2017	-	-	-	W	W	W	W	-	4,369.9	216.8
November 2017	-	-	-	W	W	W	W	-	W	W
December 2016	-	-	-	W	W	W	W	-	4,243.5	83.3
Kentucky										
December 2017	W	W	-	W	W	W	W	-	W	W
November 2017	W	W	-	204.8	-	W	W	-	W	W
December 2016	W	W	-	219.7	-	W	W	-	W	W
Michigan										
December 2017	W	W	-	W	W	W	W	-	W	W
November 2017	W	W	-	W	W	W	W	-	W	W
December 2016	W	W	-	W	W	W	W	-	W	W
Minnesota										
December 2017	W	W	W	W	W	W	W	W	5,116.1	W
November 2017	W	W	W	W	56.1	W	W	W	5,171.0	W
December 2016	W	W	W	W	W	W	W	W	5,814.3	W
Missouri										
December 2017	-	-	-	240.8	-	-	W	-	3,953.0	-
November 2017	-	-	-	258.4	-	-	W	-	3,791.9	-
December 2016	-	-	-	221.7	-	-	NA	-	3,582.0	-

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	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 2017	W	W	-	1,555.3	-	W	W	-	20.0	-
November 2017	W	W	-	1,581.4	-	W	W	-	18.1	-
December 2016	W	W	-	1,591.4	-	W	W	-	25.0	-
North Dakota										
December 2017	W	W	-	848.8	-	W	W	-	19.5	-
November 2017	W	W	-	904.7	-	W	W	-	21.6	-
December 2016	W	W	W	W	-	W	W	-	29.4	-
Ohio										
December 2017	W	W	-	9,890.0	-	W	W	-	42.6	-
November 2017	W	W	-	9,886.4	-	W	W	-	46.1	-
December 2016	W	W	-	W	W	W	W	-	48.8	-
Oklahoma										
December 2017	W	W	-	W	W	W	W	-	2.6	-
November 2017	W	W	-	W	W	W	W	-	3.4	-
December 2016	W	W	-	W	W	W	W	-	6.3	-
South Dakota										
December 2017	W	W	-	953.8	-	W	W	-	20.2	-
November 2017	W	W	-	1,003.0	-	W	W	-	20.4	-
December 2016	W	W	-	949.8	-	W	W	-	26.9	-
Tennessee										
December 2017	W	W	-	9,065.3	-	W	W	-	71.7	-
November 2017	W	W	-	W	W	W	W	-	80.8	-
December 2016	W	W	-	W	W	W	W	-	77.8	-
Wisconsin										
December 2017	W	W	W	W	-	W	W	W	W	-
November 2017	W	W	W	W	-	W	W	W	W	-
December 2016	W	W	W	W	-	W	W	W	W	-
PAD District 3										
December 2017	W	943.9	W	W	W	92.4	92.5	W	W	-
November 2017	NA	921.0	W	W	W	90.0	90.0	W	W	-
December 2016	896.5	922.6	W	46,184.0	W	90.8	91.6	W	W	-
Alabama										
December 2017	-	W	-	4,451.1	-	-	-	-	34.5	-
November 2017	-	W	-	4,546.3	-	-	-	-	39.2	-
December 2016	W	11.2	-	W	W	W	W	-	41.6	-
Arkansas										
December 2017	-	-	-	2,865.8	-	-	-	-	19.0	-
November 2017	-	-	-	2,821.6	-	-	-	-	20.2	-
December 2016	-	-	-	2,920.9	-	-	-	-	21.6	-
Louisiana										
December 2017	-	W	-	W	W	-	-	-	19.8	-
November 2017	-	W	-	W	W	-	-	-	20.1	-
December 2016	-	W	-	W	W	-	-	-	32.1	-
Mississippi										
December 2017	-	-	-	W	W	-	-	-	22.4	-
November 2017	-	-	-	W	W	-	-	-	22.5	-
December 2016	-	W	-	W	W	-	W	-	29.6	-
New Mexico										
December 2017	374.2	400.1	W	W	-	W	W	W	W	-
November 2017	W	389.3	W	W	-	W	W	W	W	-
December 2016	371.6	381.2	W	W	-	51.4	51.5	W	W	-
Texas										
December 2017	W	NA	W	29,820.6	W	W	W	-	176.9	-
November 2017	W	NA	W	30,427.4	W	W	W	-	197.7	-
December 2016	W	W	W	29,132.5	W	W	W	-	202.3	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	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 2017	-	-	-	152.2	-	W	W	-	1,727.5	-
November 2017	-	-	-	167.2	-	W	W	-	1,766.7	-
December 2016	W	W	-	158.5	-	W	W	-	1,774.8	-
North Dakota										
December 2017	W	W	-	78.2	-	W	W	-	946.5	-
November 2017	W	W	-	91.1	-	W	W	-	1,017.4	-
December 2016	W	W	W	W	-	W	W	W	W	-
Ohio										
December 2017	W	W	-	W	W	W	W	-	W	W
November 2017	W	W	-	W	W	W	W	-	W	W
December 2016	W	W	-	W	W	W	W	-	W	W
Oklahoma										
December 2017	W	W	-	W	W	W	W	-	4,387.5	934.9
November 2017	W	W	-	W	W	W	W	-	4,441.2	693.0
December 2016	W	W	-	W	W	W	W	-	4,563.8	819.7
South Dakota										
December 2017	W	W	-	79.1	-	W	W	-	1,053.2	-
November 2017	W	W	-	78.7	-	W	W	-	1,102.1	-
December 2016	W	W	-	75.1	-	W	W	-	1,051.9	-
Tennessee										
December 2017	W	W	-	847.6	-	W	W	-	9,984.6	-
November 2017	W	W	-	901.0	-	W	W	-	W	W
December 2016	W	W	-	779.2	-	W	W	-	W	W
Wisconsin										
December 2017	W	W	W	416.0	W	W	W	W	5,991.9	W
November 2017	W	W	W	402.0	W	W	W	W	6,071.7	W
December 2016	W	W	W	W	-	W	W	W	W	-
PAD District 3										
December 2017	W	96.0	W	5,088.2	W	1,083.1	1,132.4	W	52,361.5	W
November 2017	87.5	93.9	W	5,249.5	W	1,057.0	1,104.9	W	53,415.6	W
December 2016	87.8	92.3	W	W	1,327.7	1,075.2	1,106.5	W	51,509.5	W
Alabama										
December 2017	-	W	-	404.3	-	-	W	-	4,889.9	-
November 2017	-	W	-	424.3	-	-	W	-	5,009.8	-
December 2016	W	W	-	345.4	-	W	15.4	-	W	W
Arkansas										
December 2017	-	-	-	230.1	-	-	-	-	3,114.9	-
November 2017	-	-	-	230.1	-	-	-	-	3,071.9	-
December 2016	-	-	-	218.8	-	-	-	-	3,161.4	-
Louisiana										
December 2017	-	-	-	W	W	-	W	-	6,114.6	2,404.8
November 2017	-	-	-	W	W	-	W	-	6,272.9	1,898.3
December 2016	-	-	-	W	W	-	W	-	6,320.5	1,584.0
Mississippi										
December 2017	-	-	-	219.5	-	-	-	-	W	W
November 2017	-	-	-	226.8	-	-	-	-	W	W
December 2016	-	-	-	W	W	-	W	-	3,370.7	1,662.2
New Mexico										
December 2017	43.6	W	W	W	-	W	499.5	W	W	-
November 2017	W	W	W	W	-	W	485.0	W	W	-
December 2016	43.2	44.0	W	W	-	466.1	476.7	W	W	-
Texas										
December 2017	W	W	W	3,510.0	W	W	NA	W	33,507.6	W
November 2017	W	W	W	3,636.0	W	W	NA	W	34,261.1	W
December 2016	W	W	W	3,453.2	W	W	W	W	32,788.0	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 2017	W	W	W	10,126.8	W	74.4	75.6	-	127.4	-
November 2017	W	W	W	10,261.5	W	73.3	75.4	-	136.6	-
December 2016	W	W	W	10,258.6	W	79.5	81.2	-	142.5	-
Colorado										
December 2017	W	154.8	W	W	W	42.4	42.9	-	55.8	-
November 2017	W	147.6	W	W	W	41.5	42.4	-	57.5	-
December 2016	155.5	157.9	W	W	-	44.9	45.7	-	73.8	-
Idaho										
December 2017	W	W	-	1,319.9	-	W	W	-	8.6	-
November 2017	W	W	-	1,327.2	-	W	W	-	9.0	-
December 2016	W	W	-	1,309.8	-	W	W	-	7.1	-
Montana										
December 2017	W	W	-	1,048.5	-	W	W	-	W	-
November 2017	W	W	-	1,116.9	-	W	W	-	W	-
December 2016	W	W	-	1,089.4	-	W	W	-	7.5	-
Utah										
December 2017	W	W	W	W	W	W	W	-	44.1	-
November 2017	W	W	W	W	W	W	W	-	47.8	-
December 2016	W	W	W	W	W	W	W	-	42.6	-
Wyoming										
December 2017	W	9.3	-	853.0	-	W	W	-	W	-
November 2017	W	9.5	-	807.7	-	W	W	-	W	-
December 2016	W	12.0	-	890.2	-	W	W	-	11.4	-
PAD District 5										
December 2017	3,864.7	3,926.8	15,349.3	28,678.6	1,732.5	580.0	584.2	244.2	318.3	-
November 2017	3,955.5	4,024.3	15,542.4	28,755.8	1,781.0	596.8	601.2	242.9	315.1	-
December 2016	3,896.6	3,944.5	16,259.6	27,088.5	2,026.1	631.0	631.6	W	W	-
Alaska										
December 2017	W	W	79.9	W	W	W	W	W	W	-
November 2017	W	W	79.3	W	W	W	W	W	W	-
December 2016	W	W	82.4	W	W	W	W	W	W	-
Arizona										
December 2017	W	W	W	4,229.7	W	W	W	W	W	-
November 2017	W	W	W	4,310.1	W	W	W	W	W	-
December 2016	W	W	W	4,196.2	W	W	W	W	W	-
California										
December 2017	2,727.1	2,728.5	11,454.4	14,638.7	1,176.3	488.2	488.3	153.5	204.8	-
November 2017	2,829.2	2,830.9	W	14,629.7	W	505.1	505.3	149.6	200.1	-
December 2016	2,817.7	2,818.8	12,008.5	13,990.6	1,170.4	W	W	188.7	229.6	-
Hawaii										
December 2017	W	W	W	W	W	W	W	W	W	-
November 2017	W	W	W	W	W	W	W	W	W	-
December 2016	W	W	W	W	W	W	W	W	W	-
Nevada										
December 2017	W	W	W	1,496.1	W	W	W	W	W	-
November 2017	W	W	W	1,446.6	W	W	W	W	W	-
December 2016	W	W	W	1,359.0	W	W	W	W	W	-
Oregon										
December 2017	93.4	93.4	796.2	W	W	6.4	6.4	W	W	-
November 2017	93.2	93.2	785.4	W	W	6.1	6.1	W	W	-
December 2016	98.1	98.1	794.0	W	W	6.3	6.3	W	W	-
Washington										
December 2017	323.0	327.5	1,070.5	W	W	30.9	31.1	W	W	-
November 2017	314.6	325.5	W	4,828.7	W	30.7	31.0	W	W	-
December 2016	270.1	274.6	1,165.7	4,676.0	-	28.7	28.8	W	W	-

See footnotes at end of table.

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

thousand gallons per day

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 2017	66.7	W	W	2,184.4	W	W	499.5	W	12,438.5	W
November 2017	W	W	W	2,180.8	W	W	496.4	W	12,578.9	W
December 2016	72.9	W	W	2,207.6	W	W	534.3	W	12,608.7	W
Colorado										
December 2017	W	32.9	W	W	-	224.8	230.6	W	5,312.8	W
November 2017	W	31.5	W	W	-	216.2	221.6	W	5,430.1	W
December 2016	35.2	35.3	W	W	-	235.6	238.9	W	W	-
Idaho										
December 2017	W	W	-	229.4	-	W	W	-	1,557.9	-
November 2017	W	W	-	225.7	-	W	W	-	1,562.0	-
December 2016	W	W	-	224.4	-	W	W	-	1,541.2	-
Montana										
December 2017	W	W	-	W	-	W	W	-	1,260.7	-
November 2017	W	W	-	W	-	W	W	-	1,369.4	-
December 2016	W	W	-	247.0	-	W	W	-	1,343.9	-
Utah										
December 2017	W	W	W	W	W	W	W	W	3,304.2	W
November 2017	W	W	W	W	W	W	W	W	3,253.8	W
December 2016	W	W	W	W	W	W	W	W	W	W
Wyoming										
December 2017	W	W	-	W	-	W	11.7	-	1,002.9	-
November 2017	W	W	-	W	-	W	11.9	-	963.6	-
December 2016	W	W	-	142.8	-	W	15.8	-	1,044.5	-
PAD District 5										
December 2017	1,006.5	1,012.5	4,371.2	5,952.3	328.3	5,451.2	5,523.4	19,964.6	34,949.3	2,060.8
November 2017	1,023.8	1,029.8	4,254.1	5,857.3	356.9	5,576.1	5,655.4	20,039.4	34,928.1	2,137.8
December 2016	1,098.2	1,102.7	4,560.0	W	W	5,625.8	5,678.9	W	33,086.3	W
Alaska										
December 2017	W	W	W	W	-	W	W	97.4	W	W
November 2017	W	W	W	W	W	W	W	96.3	W	W
December 2016	W	W	W	32.5	W	W	W	101.6	W	W
Arizona										
December 2017	W	W	167.6	W	W	W	W	W	4,828.1	W
November 2017	W	W	163.7	W	W	W	W	W	4,901.2	W
December 2016	W	W	191.6	W	W	W	W	W	4,793.2	W
California										
December 2017	830.2	830.2	3,527.9	3,703.7	237.6	4,045.5	4,047.0	15,135.9	18,547.1	1,413.9
November 2017	847.2	847.2	W	3,628.2	W	4,181.6	4,183.4	15,229.5	18,458.0	1,497.2
December 2016	W	W	3,678.3	3,499.4	237.7	W	W	15,875.5	17,719.6	1,408.1
Hawaii										
December 2017	W	W	W	W	W	W	W	W	W	W
November 2017	W	W	W	W	W	W	W	W	W	W
December 2016	W	W	W	W	W	W	W	W	W	W
Nevada										
December 2017	W	W	W	W	W	W	W	W	1,862.4	W
November 2017	W	W	W	W	W	W	W	W	1,801.1	W
December 2016	W	W	W	W	W	W	W	W	1,694.2	W
Oregon										
December 2017	13.8	13.8	128.8	366.6	-	113.5	113.5	W	3,341.9	W
November 2017	13.8	13.8	125.2	370.3	-	113.1	113.1	W	3,392.7	W
December 2016	13.6	13.6	122.5	291.7	-	118.1	118.1	W	2,583.5	W
Washington										
December 2017	47.4	47.5	233.4	890.6	-	401.3	406.2	W	5,760.9	W
November 2017	46.5	46.9	230.6	W	W	391.8	403.3	W	5,753.4	W
December 2016	43.6	43.7	248.0	W	W	342.4	347.1	W	5,604.5	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

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

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

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
December 2017	14,908.5	15,158.2	4,420.9	182,249.4	16,522.8
November 2017	14,968.5	15,238.0	4,377.0	184,723.0	17,286.3
December 2016	14,685.6	14,907.5	4,817.9	180,679.4	15,792.3
PAD District 1					
December 2017	W	W	W	49,192.1	W
November 2017	W	W	W	49,825.3	W
December 2016	W	W	W	49,315.1	W
Subdistrict 1A					
December 2017	-	-	W	W	-
November 2017	-	-	W	W	-
December 2016	-	-	W	W	-
Connecticut					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Maine					
December 2017	-	-	W	W	-
November 2017	-	-	W	W	-
December 2016	-	-	W	W	-
Massachusetts					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
New Hampshire					
December 2017	-	-	W	W	-
November 2017	-	-	W	W	-
December 2016	-	-	W	W	-
Rhode Island					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Vermont					
December 2017	-	-	W	W	-
November 2017	-	-	W	W	-
December 2016	-	-	W	W	-
Subdistrict 1B					
December 2017	W	W	W	W	W
November 2017	W	W	W	W	W
December 2016	W	W	W	6,294.6	W
Delaware					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
District of Columbia					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Maryland					
December 2017	-	-	-	W	-
November 2017	-	-	-	W	-
December 2016	-	-	-	W	W
New Jersey					
December 2017	-	-	-	-	W
November 2017	-	-	-	-	W
December 2016	-	-	-	-	W
New York					
December 2017	W	W	W	W	W
November 2017	W	W	W	W	W
December 2016	W	W	W	W	W
Pennsylvania					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	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 2017	8,930.2	8,953.3	17,419.8	77,383.8	3,716.5
November 2017	9,012.3	9,038.3	17,498.1	77,321.2	3,567.8
December 2016	9,152.9	9,187.7	18,004.0	76,216.2	2,945.4
PAD District 1					
December 2017	W	W	W	28,005.9	W
November 2017	W	W	W	27,469.4	W
December 2016	W	W	W	26,967.0	W
Subdistrict 1A					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	W	4,645.9	W
Connecticut					
December 2017	-	W	-	2,121.7	NA
November 2017	-	W	-	2,080.4	NA
December 2016	-	W	W	2,475.8	W
Maine					
December 2017	-	-	-	W	-
November 2017	-	-	-	W	-
December 2016	-	-	-	W	-
Massachusetts					
December 2017	W	W	-	1,131.3	-
November 2017	W	W	-	1,049.8	-
December 2016	W	W	W	W	-
New Hampshire					
December 2017	W	W	-	-	-
November 2017	W	W	-	-	-
December 2016	W	W	-	-	-
Rhode Island					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	W	W	W
Vermont					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Subdistrict 1B					
December 2017	W	W	W	W	W
November 2017	W	W	W	W	W
December 2016	W	W	W	17,932.8	W
Delaware					
December 2017	W	W	-	1,114.7	-
November 2017	W	W	-	1,132.8	-
December 2016	W	W	-	1,061.3	-
District of Columbia					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Maryland					
December 2017	-	-	-	W	-
November 2017	-	-	W	W	-
December 2016	-	W	W	3,723.5	-
New Jersey					
December 2017	W	W	W	W	W
November 2017	W	W	W	7,317.2	W
December 2016	W	W	W	7,736.3	W
New York					
December 2017	W	W	W	W	-
November 2017	W	W	W	W	-
December 2016	W	W	W	W	-
Pennsylvania					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	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 2017	23,838.6	24,111.5	21,840.6	259,633.4	20,239.3
November 2017	23,980.9	24,276.3	21,875.1	262,044.0	20,854.1
December 2016	23,838.6	24,095.3	22,821.9	256,895.5	18,737.6
PAD District 1					
December 2017	8,074.0	8,123.5	W	77,198.2	W
November 2017	8,066.2	8,118.5	W	77,294.7	W
December 2016	7,961.2	7,977.7	W	76,282.1	W
Subdistrict 1A					
December 2017	W	W	W	W	W
November 2017	W	W	W	W	W
December 2016	W	W	W	W	W
Connecticut					
December 2017	-	W	-	2,121.7	NA
November 2017	-	W	-	2,080.4	NA
December 2016	-	W	W	2,475.8	W
Maine					
December 2017	-	-	W	W	-
November 2017	-	-	W	W	-
December 2016	-	-	W	W	-
Massachusetts					
December 2017	W	W	-	1,131.3	-
November 2017	W	W	-	1,049.8	-
December 2016	W	W	W	W	-
New Hampshire					
December 2017	W	W	W	W	-
November 2017	W	W	W	W	-
December 2016	W	W	W	W	-
Rhode Island					
December 2017	W	W	-	NA	W
November 2017	W	W	-	NA	W
December 2016	W	W	W	897.8	W
Vermont					
December 2017	-	-	W	W	-
November 2017	-	-	W	W	-
December 2016	-	-	W	W	-
Subdistrict 1B					
December 2017	4,130.9	4,130.9	W	25,623.9	W
November 2017	4,068.4	4,068.4	W	24,886.1	W
December 2016	4,018.0	4,019.8	W	24,227.5	W
Delaware					
December 2017	W	W	-	1,114.7	-
November 2017	W	W	-	1,132.8	-
December 2016	W	W	-	1,061.3	-
District of Columbia					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Maryland					
December 2017	-	-	-	4,708.4	-
November 2017	-	-	W	W	-
December 2016	-	W	W	W	W
New Jersey					
December 2017	W	W	W	W	1,021.5
November 2017	W	W	W	7,317.2	W
December 2016	W	W	W	7,736.3	W
New York					
December 2017	2,551.1	2,551.1	W	6,006.1	W
November 2017	2,511.6	2,511.6	W	5,857.0	W
December 2016	2,490.6	2,490.6	W	5,605.2	W
Pennsylvania					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	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 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Florida					
December 2017	W	W	-	15,350.3	-
November 2017	W	W	-	15,392.5	-
December 2016	W	W	-	16,091.0	-
Georgia					
December 2017	W	W	-	W	W
November 2017	W	W	-	9,048.7	-
December 2016	W	W	-	W	W
North Carolina					
December 2017	W	W	-	9,597.1	-
November 2017	W	W	-	W	W
December 2016	W	W	-	9,473.2	-
South Carolina					
December 2017	W	W	-	4,732.9	-
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Virginia					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	3,000.0	-
West Virginia					
December 2017	W	W	-	626.0	-
November 2017	W	W	-	677.4	-
December 2016	W	W	-	824.3	-
PAD District 2					
December 2017	W	W	W	W	W
November 2017	W	W	W	W	1,300.3
December 2016	7,019.4	W	W	W	W
Illinois					
December 2017	W	W	-	W	W
November 2017	W	W	-	3,905.1	-
December 2016	W	51.0	-	W	W
Indiana					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Iowa					
December 2017	-	W	-	2,975.8	-
November 2017	-	W	-	3,089.3	-
December 2016	-	W	-	3,184.4	-
Kansas					
December 2017	W	W	-	4,369.9	216.8
November 2017	W	W	-	W	W
December 2016	W	W	-	4,243.5	83.3
Kentucky					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Michigan					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Minnesota					
December 2017	W	W	W	5,116.1	W
November 2017	W	W	W	5,171.0	W
December 2016	W	W	W	5,814.3	W
Missouri					
December 2017	-	W	-	3,046.3	-
November 2017	-	W	-	2,905.8	-
December 2016	-	NA	-	2,848.5	-

See footnotes at end of table.

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

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
December 2017	-	-	-	4,312.7	-
November 2017	-	-	-	4,465.9	-
December 2016	-	-	-	4,388.3	-
Florida					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Georgia					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
North Carolina					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
South Carolina					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Virginia					
December 2017	-	-	-	4,312.7	-
November 2017	-	-	-	4,465.9	-
December 2016	-	-	-	4,388.3	-
West Virginia					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
PAD District 2					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Illinois					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Indiana					
December 2017	W	W	-	943.1	-
November 2017	W	W	-	934.2	-
December 2016	W	W	-	1,078.5	-
Iowa					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Kansas					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Kentucky					
December 2017	W	W	-	792.0	-
November 2017	W	W	-	787.4	-
December 2016	W	W	-	967.9	-
Michigan					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Minnesota					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Missouri					
December 2017	-	-	-	906.7	-
November 2017	-	-	-	886.1	-
December 2016	-	-	-	733.4	-

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 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Florida					
December 2017	W	W	-	15,350.3	-
November 2017	W	W	-	15,392.5	-
December 2016	W	W	-	16,091.0	-
Georgia					
December 2017	W	W	-	W	W
November 2017	W	W	-	9,048.7	-
December 2016	W	W	-	W	W
North Carolina					
December 2017	W	W	-	9,597.1	-
November 2017	W	W	-	W	W
December 2016	W	W	-	9,473.2	-
South Carolina					
December 2017	W	W	-	4,732.9	-
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Virginia					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	7,388.2	-
West Virginia					
December 2017	W	W	-	626.0	-
November 2017	W	W	-	677.4	-
December 2016	W	W	-	824.3	-
PAD District 2					
December 2017	W	8,832.8	W	82,685.8	W
November 2017	W	8,901.2	W	83,826.7	W
December 2016	W	8,797.8	W	83,409.0	W
Illinois					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Indiana					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Iowa					
December 2017	-	W	-	2,975.8	-
November 2017	-	W	-	3,089.3	-
December 2016	-	W	-	3,184.4	-
Kansas					
December 2017	W	W	-	4,369.9	216.8
November 2017	W	W	-	W	W
December 2016	W	W	-	4,243.5	83.3
Kentucky					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Michigan					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Minnesota					
December 2017	W	W	W	5,116.1	W
November 2017	W	W	W	5,171.0	W
December 2016	W	W	W	5,814.3	W
Missouri					
December 2017	-	W	-	3,953.0	-
November 2017	-	W	-	3,791.9	-
December 2016	-	NA	-	3,582.0	-

See footnotes at end of table.

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

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 2017	W	W	-	1,727.5	-
November 2017	W	W	-	1,766.7	-
December 2016	W	W	-	1,774.8	-
North Dakota					
December 2017	W	W	-	946.5	-
November 2017	W	W	-	1,017.4	-
December 2016	W	W	W	W	-
Ohio					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Oklahoma					
December 2017	W	W	-	4,387.5	934.9
November 2017	W	W	-	4,441.2	693.0
December 2016	W	W	-	4,563.8	819.7
South Dakota					
December 2017	W	W	-	1,053.2	-
November 2017	W	W	-	1,102.1	-
December 2016	W	W	-	1,051.9	-
Tennessee					
December 2017	W	W	-	9,984.6	-
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Wisconsin					
December 2017	W	55.0	W	4,313.6	W
November 2017	W	55.4	W	4,450.5	W
December 2016	W	55.2	W	W	-
PAD District 3					
December 2017	1,083.1	1,132.4	W	36,882.6	W
November 2017	1,057.0	1,104.9	W	W	W
December 2016	1,075.2	1,106.5	W	36,392.1	W
Alabama					
December 2017	-	W	-	4,889.9	-
November 2017	-	W	-	5,009.8	-
December 2016	W	15.4	-	W	W
Arkansas					
December 2017	-	-	-	3,114.9	-
November 2017	-	-	-	3,071.9	-
December 2016	-	-	-	3,161.4	-
Louisiana					
December 2017	-	W	-	6,114.6	2,404.8
November 2017	-	W	-	6,272.9	1,898.3
December 2016	-	W	-	6,320.5	1,584.0
Mississippi					
December 2017	-	-	-	W	W
November 2017	-	-	-	W	W
December 2016	-	W	-	3,370.7	1,662.2
New Mexico					
December 2017	W	499.5	W	W	-
November 2017	W	485.0	W	W	-
December 2016	466.1	476.7	W	W	-
Texas					
December 2017	W	NA	W	W	W
November 2017	W	NA	W	W	W
December 2016	W	W	W	W	W

See footnotes at end of table.

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

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
North Dakota					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Ohio					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Oklahoma					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
South Dakota					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Tennessee					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Wisconsin					
December 2017	W	W	-	1,678.3	-
November 2017	W	W	-	1,621.2	-
December 2016	W	W	-	1,721.2	-
PAD District 3					
December 2017	-	-	-	15,478.7	-
November 2017	-	-	-	W	W
December 2016	-	-	-	15,117.3	-
Alabama					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Arkansas					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Louisiana					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Mississippi					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
New Mexico					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Texas					
December 2017	-	-	-	W	-
November 2017	-	-	-	W	W
December 2016	-	-	-	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 2017	W	W	-	1,727.5	-
November 2017	W	W	-	1,766.7	-
December 2016	W	W	-	1,774.8	-
North Dakota					
December 2017	W	W	-	946.5	-
November 2017	W	W	-	1,017.4	-
December 2016	W	W	W	W	-
Ohio					
December 2017	W	W	-	W	W
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Oklahoma					
December 2017	W	W	-	4,387.5	934.9
November 2017	W	W	-	4,441.2	693.0
December 2016	W	W	-	4,563.8	819.7
South Dakota					
December 2017	W	W	-	1,053.2	-
November 2017	W	W	-	1,102.1	-
December 2016	W	W	-	1,051.9	-
Tennessee					
December 2017	W	W	-	9,984.6	-
November 2017	W	W	-	W	W
December 2016	W	W	-	W	W
Wisconsin					
December 2017	W	W	W	5,991.9	W
November 2017	W	W	W	6,071.7	W
December 2016	W	W	W	W	-
PAD District 3					
December 2017	1,083.1	1,132.4	W	52,361.5	W
November 2017	1,057.0	1,104.9	W	53,415.6	W
December 2016	1,075.2	1,106.5	W	51,509.5	W
Alabama					
December 2017	-	W	-	4,889.9	-
November 2017	-	W	-	5,009.8	-
December 2016	W	15.4	-	W	W
Arkansas					
December 2017	-	-	-	3,114.9	-
November 2017	-	-	-	3,071.9	-
December 2016	-	-	-	3,161.4	-
Louisiana					
December 2017	-	W	-	6,114.6	2,404.8
November 2017	-	W	-	6,272.9	1,898.3
December 2016	-	W	-	6,320.5	1,584.0
Mississippi					
December 2017	-	-	-	W	W
November 2017	-	-	-	W	W
December 2016	-	W	-	3,370.7	1,662.2
New Mexico					
December 2017	W	499.5	W	W	-
November 2017	W	485.0	W	W	-
December 2016	466.1	476.7	W	W	-
Texas					
December 2017	W	NA	W	33,507.6	W
November 2017	W	NA	W	34,261.1	W
December 2016	W	W	W	32,788.0	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 2017	W	499.5	W	12,438.5	W
November 2017	W	496.4	W	12,578.9	W
December 2016	W	534.3	W	12,608.7	W
Colorado					
December 2017	224.8	230.6	W	5,312.8	W
November 2017	216.2	221.6	W	5,430.1	W
December 2016	235.6	238.9	W	W	-
Idaho					
December 2017	W	W	-	1,557.9	-
November 2017	W	W	-	1,562.0	-
December 2016	W	W	-	1,541.2	-
Montana					
December 2017	W	W	-	1,260.7	-
November 2017	W	W	-	1,369.4	-
December 2016	W	W	-	1,343.9	-
Utah					
December 2017	W	W	W	3,304.2	W
November 2017	W	W	W	3,253.8	W
December 2016	W	W	W	W	W
Wyoming					
December 2017	W	11.7	-	1,002.9	-
November 2017	W	11.9	-	963.6	-
December 2016	W	15.8	-	1,044.5	-
PAD District 5					
December 2017	1,405.7	1,474.7	W	W	W
November 2017	1,394.5	1,469.9	W	13,565.3	W
December 2016	W	W	W	W	W
Alaska					
December 2017	W	W	97.4	W	W
November 2017	W	W	96.3	W	W
December 2016	W	W	101.6	W	W
Arizona					
December 2017	W	W	265.5	W	-
November 2017	W	W	267.2	W	-
December 2016	W	W	480.0	W	-
California					
December 2017	-	-	-	-	W
November 2017	-	-	-	-	W
December 2016	-	-	-	-	W
Hawaii					
December 2017	W	W	W	W	W
November 2017	W	W	W	W	W
December 2016	W	W	W	W	W
Nevada					
December 2017	W	W	W	1,862.4	W
November 2017	W	W	W	1,801.1	W
December 2016	W	W	W	1,694.2	W
Oregon					
December 2017	113.5	113.5	W	3,341.9	W
November 2017	113.1	113.1	W	3,392.7	W
December 2016	118.1	118.1	W	2,583.5	W
Washington					
December 2017	401.3	406.2	W	5,760.9	W
November 2017	391.8	403.3	W	5,753.4	W
December 2016	342.4	347.1	W	5,604.5	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 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Colorado					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Idaho					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Montana					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Utah					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Wyoming					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
PAD District 5					
December 2017	4,045.5	4,048.7	W	W	W
November 2017	4,181.6	4,185.5	W	21,362.9	W
December 2016	W	W	W	W	W
Alaska					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Arizona					
December 2017	-	W	W	W	W
November 2017	-	W	W	W	W
December 2016	-	W	W	W	W
California					
December 2017	4,045.5	W	15,135.9	18,547.1	W
November 2017	4,181.6	W	15,229.5	W	W
December 2016	W	W	15,875.5	17,719.6	W
Hawaii					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Nevada					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Oregon					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-
Washington					
December 2017	-	-	-	-	-
November 2017	-	-	-	-	-
December 2016	-	-	-	-	-

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 2017	W	499.5	W	12,438.5	W
November 2017	W	496.4	W	12,578.9	W
December 2016	W	534.3	W	12,608.7	W
Colorado					
December 2017	224.8	230.6	W	5,312.8	W
November 2017	216.2	221.6	W	5,430.1	W
December 2016	235.6	238.9	W	W	-
Idaho					
December 2017	W	W	-	1,557.9	-
November 2017	W	W	-	1,562.0	-
December 2016	W	W	-	1,541.2	-
Montana					
December 2017	W	W	-	1,260.7	-
November 2017	W	W	-	1,369.4	-
December 2016	W	W	-	1,343.9	-
Utah					
December 2017	W	W	W	3,304.2	W
November 2017	W	W	W	3,253.8	W
December 2016	W	W	W	W	W
Wyoming					
December 2017	W	11.7	-	1,002.9	-
November 2017	W	11.9	-	963.6	-
December 2016	W	15.8	-	1,044.5	-
PAD District 5					
December 2017	5,451.2	5,523.4	19,964.6	34,949.3	2,060.8
November 2017	5,576.1	5,655.4	20,039.4	34,928.1	2,137.8
December 2016	5,625.8	5,678.9	W	33,086.3	W
Alaska					
December 2017	W	W	97.4	W	W
November 2017	W	W	96.3	W	W
December 2016	W	W	101.6	W	W
Arizona					
December 2017	W	W	W	4,828.1	W
November 2017	W	W	W	4,901.2	W
December 2016	W	W	W	4,793.2	W
California					
December 2017	4,045.5	4,047.0	15,135.9	18,547.1	1,413.9
November 2017	4,181.6	4,183.4	15,229.5	18,458.0	1,497.2
December 2016	W	W	15,875.5	17,719.6	1,408.1
Hawaii					
December 2017	W	W	W	W	W
November 2017	W	W	W	W	W
December 2016	W	W	W	W	W
Nevada					
December 2017	W	W	W	1,862.4	W
November 2017	W	W	W	1,801.1	W
December 2016	W	W	W	1,694.2	W
Oregon					
December 2017	113.5	113.5	W	3,341.9	W
November 2017	113.1	113.1	W	3,392.7	W
December 2016	118.1	118.1	W	2,583.5	W
Washington					
December 2017	401.3	406.2	W	5,760.9	W
November 2017	391.8	403.3	W	5,753.4	W
December 2016	342.4	347.1	W	5,604.5	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

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

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States										
December 2017	W	453.2	28,941.5	43,790.5	W	1,621.4	104.7	2,759.3	3,081.4	39,694.1
November 2017	W	410.3	30,443.9	38,515.3	W	1,289.9	104.7	2,275.2	4,377.8	36,702.5
December 2016	W	427.1	31,258.1	32,294.9	W	1,898.1	NA	3,245.2	6,412.6	41,188.8
PAD District 1										
December 2017	W	108.0	4,116.2	8,593.8	W	530.1	-	W	W	9,349.1
November 2017	W	132.5	4,363.1	8,029.3	W	378.4	-	W	W	7,370.7
December 2016	W	95.2	4,922.2	6,068.7	W	638.4	W	W	W	8,738.3
Subdistrict 1A										
December 2017	W	W	178.7	804.7	W	-	-	-	W	1,939.7
November 2017	W	W	236.5	715.9	W	W	-	W	W	1,386.4
December 2016	-	W	337.0	W	W	-	-	W	W	1,908.5
Connecticut										
December 2017	-	-	W	W	-	-	-	-	-	202.4
November 2017	-	-	W	W	-	W	-	-	-	144.6
December 2016	-	-	W	W	-	-	-	-	-	188.0
Maine										
December 2017	W	W	W	W	-	-	-	-	W	575.2
November 2017	-	W	W	W	-	-	-	-	W	459.0
December 2016	-	W	W	W	-	-	-	W	W	485.3
Massachusetts										
December 2017	-	-	61.4	766.5	W	-	-	-	-	255.5
November 2017	-	-	W	677.7	W	-	-	-	-	159.4
December 2016	-	-	W	W	W	-	-	-	-	329.0
New Hampshire										
December 2017	-	-	W	W	W	-	-	-	-	240.7
November 2017	-	-	W	W	W	-	-	W	-	141.5
December 2016	-	-	W	W	W	-	-	W	-	258.1
Rhode Island										
December 2017	-	-	W	W	W	-	-	-	-	W
November 2017	-	-	W	W	W	-	-	-	-	W
December 2016	-	-	W	W	W	-	-	-	-	W
Vermont										
December 2017	-	-	W	W	-	-	-	-	W	W
November 2017	W	-	W	W	-	-	-	-	-	W
December 2016	-	-	W	W	-	-	-	W	W	W
Subdistrict 1B										
December 2017	W	W	1,745.1	5,862.5	W	425.6	-	W	-	3,240.8
November 2017	-	W	1,824.7	5,538.1	9.7	233.1	-	W	-	2,768.8
December 2016	W	W	2,607.5	3,930.0	17.0	554.5	W	W	W	3,301.1
Delaware										
December 2017	-	-	-	-	W	-	-	-	-	203.7
November 2017	-	-	-	-	W	W	-	-	-	W
December 2016	-	-	-	-	W	-	-	-	-	W
District of Columbia										
December 2017	-	-	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-	-	-
December 2016	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2017	-	-	W	W	-	W	-	-	-	136.5
November 2017	-	-	W	72.1	-	W	-	-	-	W
December 2016	-	-	W	45.3	-	W	-	-	-	W
New Jersey										
December 2017	-	W	550.1	3,702.8	W	274.5	-	-	-	403.9
November 2017	-	W	681.0	3,387.0	W	W	-	W	-	375.8
December 2016	-	-	1,307.3	2,187.6	W	W	-	-	-	404.4
New York										
December 2017	-	W	835.7	W	W	W	-	W	-	912.5
November 2017	-	W	824.7	76.2	W	W	-	W	-	713.8
December 2016	W	W	W	102.2	W	W	-	W	W	1,035.6
Pennsylvania										
December 2017	W	W	W	2,031.4	W	4.5	-	W	-	1,584.3
November 2017	-	W	W	2,002.8	3.7	7.0	-	W	-	1,356.8
December 2016	-	W	W	1,594.9	6.9	W	W	W	W	1,535.4

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 2017	-	82.7	2,192.4	1,926.6	W	104.5	-	W	-	4,168.6
November 2017	W	98.2	2,301.9	1,775.3	W	W	-	W	-	3,215.5
December 2016	W	75.8	1,977.7	W	W	83.9	-	W	W	3,528.7
Florida										
December 2017	-	62.3	NA	1,566.8	W	W	-	-	-	433.4
November 2017	-	75.5	W	1,422.7	W	W	-	-	-	396.9
December 2016	-	60.2	1,466.6	1,266.1	W	-	-	-	-	390.4
Georgia										
December 2017	-	W	W	65.3	-	W	-	W	-	651.9
November 2017	W	W	W	95.7	-	W	-	W	-	544.1
December 2016	W	4.8	W	57.4	-	W	-	W	-	709.4
North Carolina										
December 2017	-	W	W	118.7	W	W	-	-	-	1,426.1
November 2017	-	W	W	W	W	121.8	-	-	-	929.2
December 2016	W	W	W	W	W	W	-	-	-	1,096.7
South Carolina										
December 2017	-	-	W	61.5	W	W	-	-	-	864.9
November 2017	-	-	W	72.8	W	17.7	-	-	-	661.4
December 2016	-	-	W	90.0	W	W	-	-	-	876.2
Virginia										
December 2017	-	W	450.4	W	-	W	-	-	-	352.6
November 2017	-	W	317.0	W	-	W	-	-	-	246.4
December 2016	-	W	160.2	130.2	-	W	-	-	-	W
West Virginia										
December 2017	-	-	W	W	W	-	-	-	-	439.7
November 2017	-	-	W	W	W	-	-	-	-	437.5
December 2016	-	-	W	W	W	-	-	-	W	W
PAD District 2										
December 2017	W	67.7	6,117.5	4,806.9	W	W	13.4	2,084.8	W	13,620.3
November 2017	W	102.6	6,085.3	4,970.9	W	W	12.2	1,646.5	W	14,370.9
December 2016	W	W	5,883.7	4,687.6	W	W	16.5	2,345.6	W	13,816.9
Illinois										
December 2017	-	W	1,306.0	W	W	W	W	88.4	W	2,058.4
November 2017	-	W	1,294.2	W	W	W	W	24.6	W	2,000.0
December 2016	W	W	1,339.1	W	W	W	W	W	W	2,072.5
Indiana										
December 2017	-	-	845.2	263.6	W	25.7	-	W	-	702.7
November 2017	-	-	847.8	328.3	W	17.8	-	W	-	379.5
December 2016	-	-	729.0	301.5	W	W	-	W	W	535.8
Iowa										
December 2017	-	-	10.0	64.3	-	-	-	194.5	W	902.3
November 2017	-	-	8.9	68.9	-	-	-	199.3	W	1,305.3
December 2016	-	-	22.6	W	-	W	-	294.3	W	961.6
Kansas										
December 2017	W	W	NA	W	-	W	-	143.2	-	3,003.5
November 2017	W	W	NA	W	-	W	W	146.6	-	3,662.1
December 2016	W	W	W	W	-	W	-	154.8	W	2,813.7
Kentucky										
December 2017	-	W	1,135.1	539.6	W	W	W	W	-	785.8
November 2017	-	W	1,072.4	519.7	W	W	-	W	W	675.2
December 2016	-	W	W	527.0	W	W	-	W	-	703.7
Michigan										
December 2017	W	-	142.5	452.5	W	W	W	W	W	1,024.3
November 2017	-	-	152.3	403.1	W	W	W	23.2	W	884.6
December 2016	W	-	123.2	351.8	W	W	W	32.3	W	1,099.4
Minnesota										
December 2017	W	W	W	W	W	W	5.8	469.8	W	925.9
November 2017	W	W	W	W	W	W	W	337.0	W	1,374.2
December 2016	-	W	W	W	W	W	5.3	479.7	W	973.9
Missouri										
December 2017	W	-	W	W	-	-	-	12.5	-	543.5
November 2017	W	-	W	W	-	W	-	9.4	-	393.5
December 2016	W	-	W	W	-	W	-	17.8	NA	595.1

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 2 (cont.)										
Nebraska										
December 2017	W	-	W	W	-	-	W	171.9	-	338.8
November 2017	W	-	W	W	-	-	W	130.4	-	249.3
December 2016	W	-	W	W	-	-	W	194.5	W	468.6
North Dakota										
December 2017	-	-	W	W	-	-	W	429.3	W	525.8
November 2017	-	-	W	W	-	W	3.7	439.3	W	717.3
December 2016	-	-	W	W	-	W	W	627.9	W	455.1
Ohio										
December 2017	-	-	455.2	601.8	W	W	-	W	-	773.6
November 2017	-	W	464.1	658.9	W	W	-	W	-	766.0
December 2016	-	-	403.8	812.1	W	W	-	W	W	1,029.3
Oklahoma										
December 2017	W	-	W	459.4	-	W	-	74.1	W	324.6
November 2017	W	-	W	433.5	-	W	-	36.3	-	245.8
December 2016	W	-	W	428.2	-	W	-	W	W	348.4
South Dakota										
December 2017	-	-	W	-	-	-	W	139.0	W	267.2
November 2017	-	-	W	-	-	W	W	134.2	W	281.7
December 2016	-	-	W	-	-	W	W	194.3	W	322.8
Tennessee										
December 2017	W	W	W	168.8	W	W	-	W	-	262.0
November 2017	W	W	W	146.5	W	49.7	-	W	-	198.8
December 2016	W	7.2	W	166.4	W	W	-	W	-	244.3
Wisconsin										
December 2017	-	-	W	W	W	0.9	W	261.1	W	1,181.8
November 2017	-	-	W	W	W	3.0	W	129.3	W	1,237.5
December 2016	-	-	W	W	W	10.1	W	W	W	1,192.4
PAD District 3										
December 2017	W	W	5,397.1	20,625.6	-	939.5	-	W	2,706.9	13,082.9
November 2017	W	102.2	6,428.6	17,193.6	-	751.7	-	W	3,931.2	11,818.1
December 2016	W	92.5	7,358.4	12,454.3	-	995.1	-	W	6,027.1	14,770.7
Alabama										
December 2017	-	-	68.4	60.4	-	W	-	-	-	447.2
November 2017	W	-	90.7	80.2	-	W	-	-	-	352.4
December 2016	-	W	354.2	403.6	-	W	-	-	-	465.9
Arkansas										
December 2017	W	-	W	W	-	-	-	-	-	49.3
November 2017	W	-	W	W	-	W	-	-	-	55.1
December 2016	W	-	W	W	-	W	-	-	-	W
Louisiana										
December 2017	-	-	774.0	7,336.6	-	W	-	W	744.1	173.5
November 2017	-	-	1,006.8	6,081.0	-	W	-	W	803.1	176.8
December 2016	W	4.5	1,183.4	4,385.7	-	W	-	W	W	235.9
Mississippi										
December 2017	-	W	822.3	2,086.4	-	W	-	-	-	560.1
November 2017	-	W	701.9	1,116.2	-	W	-	-	-	398.5
December 2016	-	W	732.7	2,153.9	-	W	-	-	-	390.8
New Mexico										
December 2017	W	-	W	W	-	-	-	W	-	103.7
November 2017	W	-	W	W	-	-	-	-	-	83.0
December 2016	W	-	W	W	-	-	-	-	W	W
Texas										
December 2017	W	W	3,664.0	11,040.7	-	W	-	-	1,962.8	11,749.1
November 2017	W	W	4,567.7	9,787.1	-	18.3	-	-	3,128.0	10,752.3
December 2016	W	W	5,013.3	5,437.8	-	W	-	-	4,980.7	13,544.3

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4										
December 2017	W	W	889.0	1,417.2	W	-	W	358.8	W	1,136.7
November 2017	W	W	919.4	683.2	-	-	W	271.1	W	1,051.0
December 2016	W	W	806.3	1,055.3	-	-	W	459.4	W	1,338.5
Colorado										
December 2017	W	-	291.2	W	-	-	-	118.9	W	390.1
November 2017	W	-	275.1	NA	-	-	-	90.8	W	367.0
December 2016	W	-	294.8	623.3	-	-	W	131.3	W	439.4
Idaho										
December 2017	-	-	W	9.9	W	-	W	17.3	W	W
November 2017	-	-	W	15.9	-	-	W	16.4	W	W
December 2016	-	-	W	22.4	-	-	W	26.5	W	63.3
Montana										
December 2017	-	W	W	W	-	-	W	89.8	W	197.6
November 2017	-	W	W	W	-	-	W	81.7	W	158.4
December 2016	NA	W	W	W	-	-	W	145.8	W	247.0
Utah										
December 2017	W	W	408.3	275.7	-	-	W	49.0	-	W
November 2017	W	W	375.6	225.5	-	-	W	25.4	-	W
December 2016	W	W	372.4	334.9	-	-	W	50.3	-	170.8
Wyoming										
December 2017	-	-	W	W	-	-	W	83.7	-	375.4
November 2017	-	-	W	W	-	-	W	56.9	-	366.5
December 2016	-	-	W	W	-	-	W	105.5	W	418.0
PAD District 5										
December 2017	W	161.8	12,421.7	8,346.9	W	W	W	297.0	W	2,505.2
November 2017	W	W	12,647.6	7,638.4	W	W	W	294.0	W	2,091.8
December 2016	W	167.4	12,287.6	8,029.0	W	W	NA	371.4	W	2,524.5
Alaska										
December 2017	W	W	W	W	-	-	W	W	W	W
November 2017	W	W	W	W	-	-	W	W	W	W
December 2016	W	-	W	W	-	-	W	W	W	W
Arizona										
December 2017	W	W	202.5	243.8	-	-	-	-	-	180.8
November 2017	W	W	214.1	227.8	-	-	-	-	-	107.9
December 2016	W	W	236.3	182.4	-	-	-	-	-	246.2
California										
December 2017	-	W	7,589.2	6,456.7	-	W	-	-	-	1,552.3
November 2017	-	28.6	7,449.5	5,955.9	-	W	-	-	-	1,304.3
December 2016	-	W	7,105.0	6,788.6	-	W	-	-	W	1,439.6
Hawaii										
December 2017	-	W	W	W	-	-	-	-	-	W
November 2017	-	W	W	W	-	-	-	-	-	W
December 2016	-	W	W	W	-	-	-	-	-	W
Nevada										
December 2017	-	-	W	W	-	-	W	-	-	105.6
November 2017	-	-	W	W	-	-	-	-	-	89.9
December 2016	-	-	W	W	-	-	-	-	-	81.4
Oregon										
December 2017	-	8.2	W	59.1	-	-	-	NA	W	W
November 2017	-	10.8	W	61.8	-	-	-	W	W	W
December 2016	-	8.2	380.3	36.5	-	-	-	W	W	W
Washington										
December 2017	-	W	1,731.5	294.3	W	-	W	W	W	556.8
November 2017	-	W	2,028.0	198.9	W	-	W	W	W	481.3
December 2016	-	W	1,808.5	188.9	W	-	W	W	W	627.6

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
December 2017	11,159.5	142,509.2	W	W	W	W
November 2017	12,468.6	148,913.2	W	W	W	W
December 2016	11,587.9	137,680.4	W	W	W	W
PAD District 1						
December 2017	W	28,265.8	-	W	-	W
November 2017	W	30,272.3	-	W	-	W
December 2016	1,631.5	25,029.1	-	W	-	W
Subdistrict 1A						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	32.2	W	-	-	-	-
Connecticut						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Maine						
December 2017	-	W	-	-	-	-
November 2017	-	W	-	-	-	-
December 2016	-	W	-	-	-	-
Massachusetts						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	176.9	-	-	-	-
New Hampshire						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Rhode Island						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Vermont						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Subdistrict 1B						
December 2017	W	W	-	W	-	W
November 2017	W	W	-	W	-	W
December 2016	604.1	W	-	W	-	W
Delaware						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
District of Columbia						
December 2017	-	W	-	-	-	-
November 2017	-	W	-	-	-	-
December 2016	-	W	-	-	-	-
Maryland						
December 2017	-	W	-	-	-	W
November 2017	W	W	-	-	-	W
December 2016	W	W	-	-	-	-
New Jersey						
December 2017	160.6	W	-	W	-	-
November 2017	W	W	-	W	-	-
December 2016	178.4	W	-	W	-	-
New York						
December 2017	W	W	-	-	-	W
November 2017	W	W	-	-	-	W
December 2016	W	W	-	-	-	W
Pennsylvania						
December 2017	W	5,728.8	-	-	-	-
November 2017	272.0	6,485.6	-	-	-	-
December 2016	W	5,124.5	-	-	-	-

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 2017	762.6	W	-	-	-	-
November 2017	866.8	W	-	-	-	-
December 2016	995.2	W	-	-	-	-
Florida						
December 2017	270.6	4,366.0	-	-	-	-
November 2017	318.3	4,762.6	-	-	-	-
December 2016	422.0	4,287.9	-	-	-	-
Georgia						
December 2017	76.7	2,202.7	-	-	-	-
November 2017	94.8	2,244.9	-	-	-	-
December 2016	76.7	2,145.4	-	-	-	-
North Carolina						
December 2017	248.8	W	-	-	-	-
November 2017	274.3	W	-	-	-	-
December 2016	295.2	W	-	-	-	-
South Carolina						
December 2017	W	W	-	-	-	-
November 2017	W	1,306.3	-	-	-	-
December 2016	W	1,189.0	-	-	-	-
Virginia						
December 2017	12.8	W	-	-	-	-
November 2017	12.2	W	-	-	-	-
December 2016	15.5	2,254.4	-	-	-	-
West Virginia						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
PAD District 2						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Illinois						
December 2017	W	5,851.6	-	-	-	-
November 2017	W	6,012.2	-	-	-	-
December 2016	W	5,882.9	-	-	-	-
Indiana						
December 2017	W	3,478.4	-	-	-	-
November 2017	W	3,801.0	-	-	-	-
December 2016	W	3,493.2	-	-	-	-
Iowa						
December 2017	23.8	1,845.3	-	-	-	-
November 2017	18.7	2,724.6	-	-	-	-
December 2016	21.4	1,819.2	-	-	-	-
Kansas						
December 2017	513.6	2,769.6	-	-	-	-
November 2017	480.0	3,471.9	-	-	-	-
December 2016	W	2,711.2	-	-	-	-
Kentucky						
December 2017	W	1,790.5	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Michigan						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Minnesota						
December 2017	W	W	-	-	-	-
November 2017	W	2,690.8	-	-	-	-
December 2016	W	1,978.8	-	-	-	-
Missouri						
December 2017	2.0	1,729.0	-	-	-	-
November 2017	W	1,661.4	-	-	-	-
December 2016	1.5	1,381.0	-	-	-	-

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 2017	W	1,328.8	-	-	-	-
November 2017	W	1,588.4	-	-	-	-
December 2016	W	1,207.7	-	-	-	-
North Dakota						
December 2017	W	863.1	-	-	-	-
November 2017	W	1,131.5	-	-	-	-
December 2016	W	927.4	-	-	-	-
Ohio						
December 2017	W	4,653.0	-	-	-	-
November 2017	W	4,829.2	-	-	-	-
December 2016	850.5	4,699.3	-	-	-	-
Oklahoma						
December 2017	394.0	6,647.5	-	-	-	-
November 2017	512.0	5,913.0	-	-	-	-
December 2016	W	6,137.6	-	-	-	-
South Dakota						
December 2017	W	480.7	-	-	-	-
November 2017	W	755.6	-	-	-	-
December 2016	W	401.5	-	-	-	-
Tennessee						
December 2017	260.4	3,074.1	-	-	-	-
November 2017	289.6	3,280.0	-	-	-	-
December 2016	262.5	2,878.7	-	-	-	-
Wisconsin						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
PAD District 3						
December 2017	W	48,483.8	W	W	-	W
November 2017	W	49,503.1	W	W	-	W
December 2016	W	49,449.6	W	W	-	W
Alabama						
December 2017	149.9	1,297.6	-	-	-	-
November 2017	149.9	1,449.4	-	-	-	-
December 2016	175.5	1,392.0	-	-	-	-
Arkansas						
December 2017	W	1,371.6	-	-	-	-
November 2017	W	1,420.8	-	-	-	-
December 2016	W	1,373.8	-	-	-	-
Louisiana						
December 2017	163.7	W	-	W	-	NA
November 2017	161.0	11,913.7	-	W	-	W
December 2016	208.0	W	-	W	-	W
Mississippi						
December 2017	42.3	W	-	-	-	-
November 2017	50.7	2,308.3	-	W	-	-
December 2016	110.6	W	-	-	-	-
New Mexico						
December 2017	326.4	1,162.7	-	-	-	-
November 2017	330.7	1,338.3	-	-	-	-
December 2016	283.2	1,125.8	-	-	-	-
Texas						
December 2017	1,605.3	33,260.1	W	W	-	W
November 2017	2,073.0	31,072.8	W	W	-	W
December 2016	1,608.3	32,455.4	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 2017	W	6,020.0	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	6,313.2	-	-	-	-
Colorado						
December 2017	208.8	1,912.6	-	-	-	-
November 2017	236.6	2,054.6	-	-	-	-
December 2016	223.1	1,932.7	-	-	-	-
Idaho						
December 2017	W	669.4	-	-	-	-
November 2017	W	659.4	-	-	-	-
December 2016	W	726.9	-	-	-	-
Montana						
December 2017	W	867.9	-	-	-	-
November 2017	200.3	976.3	-	-	-	-
December 2016	187.9	960.2	-	-	-	-
Utah						
December 2017	312.8	1,715.5	-	-	-	-
November 2017	326.9	W	-	-	-	-
December 2016	W	1,763.5	-	-	-	-
Wyoming						
December 2017	393.1	854.6	-	-	-	-
November 2017	405.5	948.9	-	-	-	-
December 2016	348.6	929.9	-	-	-	-
PAD District 5						
December 2017	W	W	W	-	W	W
November 2017	W	W	W	-	W	W
December 2016	W	W	W	-	W	W
Alaska						
December 2017	W	W	-	-	-	-
November 2017	W	W	-	-	-	-
December 2016	W	W	-	-	-	-
Arizona						
December 2017	386.5	1,123.2	-	-	-	-
November 2017	405.8	1,024.0	-	-	-	-
December 2016	363.8	961.4	-	-	-	-
California						
December 2017	1,148.7	W	-	-	-	W
November 2017	1,166.1	W	-	-	-	W
December 2016	1,235.5	W	-	-	-	W
Hawaii						
December 2017	W	W	W	-	W	W
November 2017	W	W	W	-	W	W
December 2016	W	W	W	-	W	W
Nevada						
December 2017	W	502.4	-	-	-	-
November 2017	W	518.2	-	-	-	-
December 2016	W	406.0	-	-	-	-
Oregon						
December 2017	6.7	2,008.9	-	-	-	-
November 2017	7.5	2,051.1	-	-	-	-
December 2016	7.4	1,746.4	-	-	-	-
Washington						
December 2017	W	3,322.7	-	-	-	-
November 2017	W	2,911.8	-	-	-	-
December 2016	W	2,804.5	-	-	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States				
December 2017	108.5	14,549.3	11,504.7	161,807.7
November 2017	151.7	10,663.9	12,863.9	164,152.2
December 2016	106.8	14,391.3	12,011.8	155,405.0
PAD District 1				
December 2017	W	8,875.3	1,449.1	37,734.8
November 2017	W	6,216.6	1,562.8	37,155.8
December 2016	12.1	9,167.9	1,643.5	34,300.3
Subdistrict 1A				
December 2017	-	W	W	2,006.7
November 2017	-	W	W	1,873.8
December 2016	-	W	32.2	2,022.5
Connecticut				
December 2017	-	W	W	387.0
November 2017	-	W	W	471.6
December 2016	-	W	W	584.1
Maine				
December 2017	-	W	-	297.2
November 2017	-	W	-	207.6
December 2016	-	W	-	146.2
Massachusetts				
December 2017	-	W	W	638.7
November 2017	-	W	W	438.3
December 2016	-	-	W	176.9
New Hampshire				
December 2017	-	W	W	W
November 2017	-	W	W	W
December 2016	-	W	W	W
Rhode Island				
December 2017	-	W	W	313.8
November 2017	-	W	W	504.7
December 2016	-	W	W	W
Vermont				
December 2017	-	W	W	W
November 2017	-	W	W	W
December 2016	-	W	W	W
Subdistrict 1B				
December 2017	W	7,746.4	W	22,336.1
November 2017	W	5,218.8	W	20,899.8
December 2016	12.1	8,020.7	616.2	19,480.1
Delaware				
December 2017	-	W	W	W
November 2017	-	W	W	W
December 2016	-	W	W	W
District of Columbia				
December 2017	-	-	-	W
November 2017	-	-	-	W
December 2016	-	-	-	W
Maryland				
December 2017	-	W	-	1,498.3
November 2017	W	W	W	1,293.3
December 2016	W	W	W	1,291.1
New Jersey				
December 2017	-	3,560.5	160.6	10,022.2
November 2017	W	2,805.8	203.6	9,736.7
December 2016	-	4,552.2	178.4	8,664.2
New York				
December 2017	W	812.7	183.8	1,875.2
November 2017	W	800.3	182.0	1,744.3
December 2016	W	1,116.4	173.7	2,243.2
Pennsylvania				
December 2017	W	NA	313.9	8,356.3
November 2017	-	1,104.4	272.0	7,590.0
December 2016	W	1,884.6	256.4	7,009.1

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
Subdistrict 1C				
December 2017	-	W	762.6	13,391.9
November 2017	-	W	866.8	14,382.3
December 2016	-	W	995.2	12,797.6
Florida				
December 2017	-	-	270.6	4,366.0
November 2017	-	-	318.3	4,762.6
December 2016	-	-	422.0	4,287.9
Georgia				
December 2017	-	-	76.7	2,202.7
November 2017	-	-	94.8	2,244.9
December 2016	-	-	76.7	2,145.4
North Carolina				
December 2017	-	W	248.8	2,611.7
November 2017	-	W	274.3	2,812.5
December 2016	-	W	295.2	2,381.6
South Carolina				
December 2017	-	W	W	1,194.3
November 2017	-	-	W	1,306.3
December 2016	-	-	W	1,189.0
Virginia				
December 2017	-	W	12.8	2,411.3
November 2017	-	W	12.2	2,648.9
December 2016	-	-	15.5	2,254.4
West Virginia				
December 2017	-	W	W	605.9
November 2017	-	W	W	607.1
December 2016	-	W	W	539.3
PAD District 2				
December 2017	W	W	4,127.0	41,027.8
November 2017	W	W	4,660.7	45,022.0
December 2016	W	W	4,371.8	39,890.1
Illinois				
December 2017	-	-	W	5,851.6
November 2017	-	-	W	6,012.2
December 2016	-	-	W	5,882.9
Indiana				
December 2017	-	-	W	3,478.4
November 2017	-	-	W	3,801.0
December 2016	-	-	W	3,493.2
Iowa				
December 2017	-	-	23.8	1,845.3
November 2017	-	-	18.7	2,724.6
December 2016	-	-	21.4	1,819.2
Kansas				
December 2017	-	-	513.6	2,769.6
November 2017	-	-	480.0	3,471.9
December 2016	-	-	W	2,711.2
Kentucky				
December 2017	-	-	W	1,790.5
November 2017	-	W	W	1,823.5
December 2016	-	W	W	1,821.8
Michigan				
December 2017	-	W	W	2,519.4
November 2017	-	W	W	2,734.3
December 2016	-	W	W	2,529.2
Minnesota				
December 2017	W	W	266.5	1,836.4
November 2017	W	-	316.3	2,690.8
December 2016	W	-	251.2	1,978.8
Missouri				
December 2017	-	-	2.0	1,729.0
November 2017	-	-	W	1,661.4
December 2016	-	-	1.5	1,381.0

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 2017	-	-	W	1,328.8
November 2017	-	-	W	1,588.4
December 2016	-	-	W	1,207.7
North Dakota				
December 2017	W	-	W	863.1
November 2017	W	-	W	1,131.5
December 2016	W	-	W	927.4
Ohio				
December 2017	-	-	W	4,653.0
November 2017	-	-	W	4,829.2
December 2016	-	-	850.5	4,699.3
Oklahoma				
December 2017	-	-	394.0	6,647.5
November 2017	-	-	512.0	5,913.0
December 2016	-	-	W	6,137.6
South Dakota				
December 2017	W	-	W	480.7
November 2017	W	-	W	755.6
December 2016	W	-	W	401.5
Tennessee				
December 2017	-	-	260.4	3,074.1
November 2017	-	-	289.6	3,280.0
December 2016	-	-	262.5	2,878.7
Wisconsin				
December 2017	W	W	39.9	2,160.5
November 2017	W	W	46.3	2,604.5
December 2016	W	W	137.2	2,020.6
PAD District 3				
December 2017	-	5,477.5	2,380.3	57,730.6
November 2017	-	4,226.5	2,869.2	57,233.5
December 2016	-	5,097.3	2,468.6	57,442.1
Alabama				
December 2017	-	-	149.9	1,297.6
November 2017	-	-	149.9	1,449.4
December 2016	-	-	175.5	1,392.0
Arkansas				
December 2017	-	-	W	1,371.6
November 2017	-	-	W	1,420.8
December 2016	-	-	W	1,373.8
Louisiana				
December 2017	-	W	163.7	15,516.1
November 2017	-	W	161.0	16,388.8
December 2016	-	W	208.0	14,715.5
Mississippi				
December 2017	-	W	W	2,113.8
November 2017	-	W	W	2,884.9
December 2016	-	W	W	1,870.8
New Mexico				
December 2017	-	-	326.4	1,162.7
November 2017	-	-	330.7	1,338.3
December 2016	-	-	283.2	1,125.8
Texas				
December 2017	-	2,909.1	1,608.0	36,268.8
November 2017	-	2,640.1	2,081.4	33,751.3
December 2016	-	4,067.5	1,629.3	36,964.1

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 2017	W	-	1,156.9	6,020.0
November 2017	W	W	1,220.3	6,253.2
December 2016	W	-	1,112.3	6,313.2
Colorado				
December 2017	-	-	208.8	1,912.6
November 2017	-	-	236.6	2,054.6
December 2016	-	-	223.1	1,932.7
Idaho				
December 2017	W	-	W	669.4
November 2017	W	-	51.0	659.4
December 2016	W	-	53.5	726.9
Montana				
December 2017	-	-	W	867.9
November 2017	-	-	200.3	976.3
December 2016	-	-	187.9	960.2
Utah				
December 2017	-	-	312.8	1,715.5
November 2017	-	W	326.9	1,614.1
December 2016	W	-	299.2	1,763.5
Wyoming				
December 2017	-	-	393.1	854.6
November 2017	-	-	405.5	948.9
December 2016	-	-	348.6	929.9
PAD District 5				
December 2017	W	W	2,391.4	19,294.5
November 2017	W	W	2,550.9	18,487.6
December 2016	W	W	2,415.5	17,459.3
Alaska				
December 2017	W	W	W	W
November 2017	W	W	W	W
December 2016	W	W	W	W
Arizona				
December 2017	-	-	386.5	1,123.2
November 2017	-	-	405.8	1,024.0
December 2016	-	-	363.8	961.4
California				
December 2017	-	-	1,148.7	11,961.6
November 2017	-	-	1,166.1	11,382.5
December 2016	-	-	1,235.5	11,237.7
Hawaii				
December 2017	-	-	W	W
November 2017	-	-	W	W
December 2016	-	-	W	W
Nevada				
December 2017	W	-	124.1	502.4
November 2017	W	-	W	518.2
December 2016	W	-	129.1	406.0
Oregon				
December 2017	-	-	6.7	2,008.9
November 2017	-	-	7.5	2,051.1
December 2016	-	-	7.4	1,746.4
Washington				
December 2017	W	-	247.1	3,322.7
November 2017	W	-	270.2	2,911.8
December 2016	W	-	156.3	2,804.5

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

Table 44. Refiner residual fuel oil and no. 4 fuel volumes by PAD District
thousand gallons per day

Geographic area month	Residual fuel oil						No. 4 fuel[a]	
	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total		Sales to end users	Sales for resale
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale		
United States								
December 2017	W	349.8	W	7,738.1	4,573.4	8,087.9	-	W
November 2017	W	592.5	W	6,646.7	4,254.6	7,239.3	-	W
December 2016	W	592.8	W	6,977.2	4,243.9	7,570.0	-	W
PAD District 1								
December 2017	W	W	W	W	W	1,452.7	-	-
November 2017	W	W	W	W	W	2,315.6	-	-
December 2016	-	W	W	W	W	2,337.0	-	-
Subdistrict 1A								
December 2017	-	-	-	-	-	-	-	-
November 2017	-	-	-	-	-	-	-	-
December 2016	-	-	-	-	-	-	-	-
Subdistrict 1B								
December 2017	W	W	W	W	W	W	-	-
November 2017	W	W	W	W	W	W	-	-
December 2016	-	W	W	W	W	W	-	-
Subdistrict 1C								
December 2017	-	-	W	W	W	W	-	-
November 2017	-	-	W	W	W	W	-	-
December 2016	-	-	W	W	W	W	-	-
PAD District 2								
December 2017	-	-	W	W	W	W	-	W
November 2017	-	-	-	W	-	W	-	W
December 2016	-	-	-	W	-	W	-	W
PAD District 3								
December 2017	-	W	875.0	W	875.0	5,372.3	-	W
November 2017	-	W	W	W	W	3,808.8	-	W
December 2016	-	W	W	W	W	3,872.1	-	W
PAD District 4								
December 2017	-	-	-	W	-	W	-	-
November 2017	-	-	-	W	-	W	-	-
December 2016	-	W	-	W	-	W	-	-
PAD District 5								
December 2017	W	W	W	W	3,258.3	1,115.9	-	-
November 2017	W	W	W	W	2,956.4	W	-	-
December 2016	W	W	W	W	2,960.9	1,194.1	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

Prime Supplier Sales Volumes of Petroleum Products for Local Consumption

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

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
December 2017	218,083.0	101,992.5	320,075.5	3,893.9	2,365.7	6,259.7
November 2017	222,931.9	102,541.5	325,473.4	3,975.7	2,379.2	6,354.9
December 2016	213,989.0	105,515.7	319,504.8	4,271.2	2,612.8	6,884.0
PAD District 1						
December 2017	64,327.8	40,040.3	104,368.2	1,360.0	905.9	2,265.9
November 2017	66,069.1	40,422.5	106,491.7	1,385.6	907.3	2,292.9
December 2016	65,012.1	42,444.1	107,456.3	1,395.8	974.6	2,370.5
Subdistrict 1A						
December 2017	1,777.0	12,914.7	14,691.7	13.9	299.2	313.1
November 2017	1,799.4	13,123.9	14,923.4	14.7	302.6	317.3
December 2016	1,780.9	13,493.6	15,274.6	14.2	302.8	316.9
Connecticut						
December 2017	-	3,644.5	3,644.5	-	82.8	82.8
November 2017	-	3,717.4	3,717.4	-	85.3	85.3
December 2016	-	3,535.9	3,535.9	-	84.9	84.9
Maine						
December 2017	675.5	1,115.0	1,790.6	2.4	15.4	17.7
November 2017	696.9	1,122.5	1,819.4	2.6	14.9	17.5
December 2016	676.5	1,139.7	1,816.2	2.6	15.6	18.2
Massachusetts						
December 2017	-	5,526.1	5,526.1	-	148.1	148.1
November 2017	-	5,671.5	5,671.5	-	147.7	147.7
December 2016	-	6,299.6	6,299.6	-	149.6	149.6
New Hampshire						
December 2017	314.2	1,033.9	1,348.1	2.2	20.6	22.8
November 2017	327.0	1,031.8	1,358.8	2.3	21.2	23.5
December 2016	308.7	1,075.9	1,384.7	2.3	20.2	22.5
Rhode Island						
December 2017	-	1,595.2	1,595.2	-	32.3	32.3
November 2017	-	1,580.7	1,580.7	-	33.5	33.5
December 2016	-	1,442.5	1,442.5	-	32.5	32.5
Vermont						
December 2017	787.3	-	787.3	9.3	-	9.3
November 2017	775.6	-	775.6	9.9	-	9.9
December 2016	795.7	-	795.7	9.3	-	9.3
Subdistrict 1B						
December 2017	11,949.4	23,173.6	35,123.1	167.1	498.5	665.6
November 2017	12,241.7	23,205.1	35,446.8	167.5	499.7	667.2
December 2016	11,775.0	24,319.6	36,094.6	170.9	537.0	707.9
Delaware						
December 2017	-	1,128.8	1,128.8	-	9.4	9.4
November 2017	-	1,131.4	1,131.4	-	10.3	10.3
December 2016	-	1,077.6	1,077.6	-	13.0	13.0
District of Columbia						
December 2017	-	148.0	148.0	-	4.9	4.9
November 2017	-	145.1	145.1	-	5.9	5.9
December 2016	-	149.5	149.5	-	7.1	7.1
Maryland						
December 2017	521.9	3,810.6	4,332.5	4.8	52.4	57.3
November 2017	513.5	4,002.1	4,515.7	4.3	50.9	55.2
December 2016	464.5	4,329.5	4,794.1	3.7	77.5	81.2
New Jersey						
December 2017	-	8,642.0	8,642.0	-	133.5	133.5
November 2017	-	8,426.5	8,426.5	-	133.6	133.6
December 2016	-	9,240.6	9,240.6	-	140.2	140.2
New York						
December 2017	5,323.8	7,212.6	12,536.4	75.8	251.5	327.3
November 2017	5,566.6	7,201.3	12,767.9	75.6	252.7	328.3
December 2016	5,805.7	7,349.6	13,155.4	76.0	248.2	324.2
Pennsylvania						
December 2017	6,103.6	2,231.7	8,335.3	86.5	46.7	133.2
November 2017	6,161.5	2,298.8	8,460.3	87.6	46.3	133.9
December 2016	5,504.7	2,172.8	7,677.5	91.2	51.0	142.2

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 2017	22,156.3	18,986.1	41,142.3	244,133.2	123,344.3	367,477.5
November 2017	22,581.4	18,961.6	41,543.0	249,489.0	123,882.2	373,371.4
December 2016	21,620.5	19,586.5	41,207.0	239,880.9	127,715.0	367,595.8
PAD District 1						
December 2017	6,941.5	6,419.7	13,361.1	72,629.2	47,366.0	119,995.2
November 2017	7,321.0	6,508.8	13,829.8	74,775.7	47,838.6	122,614.3
December 2016	7,002.8	6,762.1	13,764.9	73,410.7	50,180.8	123,591.7
Subdistrict 1A						
December 2017	118.6	1,647.5	1,766.1	1,909.5	14,861.4	16,770.9
November 2017	130.7	1,700.5	1,831.2	1,944.9	15,127.0	17,071.9
December 2016	132.6	1,779.5	1,912.2	1,927.7	15,576.0	17,503.6
Connecticut						
December 2017	-	543.6	543.6	-	4,270.9	4,270.9
November 2017	-	562.3	562.3	-	4,365.1	4,365.1
December 2016	-	540.9	540.9	-	4,161.7	4,161.7
Maine						
December 2017	34.9	81.3	116.2	712.8	1,211.7	1,924.5
November 2017	41.6	77.4	119.0	741.1	1,214.8	1,955.9
December 2016	52.5	59.5	112.0	731.6	1,214.8	1,946.4
Massachusetts						
December 2017	-	713.2	713.2	-	6,387.4	6,387.4
November 2017	-	745.4	745.4	-	6,564.5	6,564.5
December 2016	-	880.5	880.5	-	7,329.7	7,329.7
New Hampshire						
December 2017	23.1	93.8	116.8	339.4	1,148.3	1,487.7
November 2017	27.3	100.5	127.8	356.5	1,153.5	1,510.0
December 2016	20.4	97.6	118.0	331.4	1,193.7	1,525.1
Rhode Island						
December 2017	-	215.5	215.5	-	1,843.0	1,843.0
November 2017	-	214.9	214.9	-	1,829.1	1,829.1
December 2016	-	201.0	201.0	-	1,676.0	1,676.0
Vermont						
December 2017	60.7	-	60.7	857.3	-	857.3
November 2017	61.8	-	61.8	847.3	-	847.3
December 2016	59.7	-	59.7	864.7	-	864.7
Subdistrict 1B						
December 2017	962.5	4,081.7	5,044.3	13,079.0	27,753.9	40,832.8
November 2017	1,033.4	4,069.0	5,102.5	13,442.6	27,774.0	41,216.6
December 2016	938.5	4,157.3	5,095.7	12,884.3	29,013.9	41,898.3
Delaware						
December 2017	-	120.9	120.9	-	1,259.2	1,259.2
November 2017	-	129.1	129.1	-	1,270.8	1,270.8
December 2016	-	122.6	122.6	-	1,213.2	1,213.2
District of Columbia						
December 2017	-	32.6	32.6	-	185.5	185.5
November 2017	-	33.5	33.5	-	184.5	184.5
December 2016	-	33.8	33.8	-	190.5	190.5
Maryland						
December 2017	42.0	632.7	674.7	568.7	4,495.7	5,064.5
November 2017	42.2	661.3	703.5	560.0	4,714.4	5,274.4
December 2016	31.5	732.5	763.9	499.7	5,139.5	5,639.2
New Jersey						
December 2017	-	1,366.8	1,366.8	-	10,142.4	10,142.4
November 2017	-	1,294.6	1,294.6	-	9,854.7	9,854.7
December 2016	-	1,337.6	1,337.6	-	10,718.4	10,718.4
New York						
December 2017	427.2	1,613.5	2,040.7	5,826.8	9,077.6	14,904.4
November 2017	477.6	1,621.3	2,098.9	6,119.8	9,075.3	15,195.1
December 2016	458.9	1,586.4	2,045.3	6,340.7	9,184.2	15,524.9
Pennsylvania						
December 2017	493.3	315.1	808.5	6,683.5	2,593.5	9,277.0
November 2017	513.7	329.2	842.8	6,762.8	2,674.3	9,437.1
December 2016	448.1	344.4	792.4	6,043.9	2,568.2	8,612.1

See footnotes at end of table.

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

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
December 2017	50,601.3	3,952.0	54,553.3	1,179.0	108.3	1,287.3
November 2017	52,028.0	4,093.4	56,121.3	1,203.4	105.0	1,308.4
December 2016	51,456.3	4,630.9	56,087.1	1,210.8	134.9	1,345.7
Florida						
December 2017	16,829.0	-	16,829.0	314.9	-	314.9
November 2017	17,277.3	-	17,277.3	315.2	-	315.2
December 2016	18,018.4	-	18,018.4	310.8	-	310.8
Georgia						
December 2017	11,609.4	-	11,609.4	332.0	-	332.0
November 2017	11,734.3	-	11,734.3	334.8	-	334.8
December 2016	11,216.2	-	11,216.2	336.1	-	336.1
North Carolina						
December 2017	10,551.0	-	10,551.0	261.1	-	261.1
November 2017	10,982.3	-	10,982.3	270.7	-	270.7
December 2016	10,448.5	-	10,448.5	268.8	-	268.8
South Carolina						
December 2017	6,059.9	-	6,059.9	170.3	-	170.3
November 2017	6,247.5	-	6,247.5	178.3	-	178.3
December 2016	6,111.5	-	6,111.5	188.5	-	188.5
Virginia						
December 2017	3,704.4	3,952.0	7,656.4	73.5	108.3	181.8
November 2017	3,871.4	4,093.4	7,964.7	74.7	105.0	179.7
December 2016	3,763.4	4,630.9	8,394.3	77.6	134.9	212.5
West Virginia						
December 2017	1,847.8	-	1,847.8	27.2	-	27.2
November 2017	1,915.3	-	1,915.3	29.7	-	29.7
December 2016	1,898.3	-	1,898.3	29.1	-	29.1
PAD District 2						
December 2017	77,987.0	13,767.1	91,754.1	1,194.7	199.1	1,393.8
November 2017	79,332.5	13,515.4	92,847.8	1,231.3	191.5	1,422.8
December 2016	78,253.7	14,467.0	92,720.7	1,404.6	233.2	1,637.8
Illinois						
December 2017	4,269.5	7,363.5	11,633.0	69.4	94.8	164.2
November 2017	4,416.6	7,208.6	11,625.2	68.0	89.9	157.8
December 2016	4,263.2	7,729.7	11,993.0	77.9	116.5	194.4
Indiana						
December 2017	6,673.1	1,032.7	7,705.8	87.5	22.1	109.6
November 2017	6,665.6	1,008.0	7,673.6	90.0	21.5	111.5
December 2016	6,867.4	1,206.3	8,073.7	99.8	24.7	124.5
Iowa						
December 2017	2,785.3	-	2,785.3	92.0	-	92.0
November 2017	2,925.3	-	2,925.3	97.5	-	97.5
December 2016	2,942.3	-	2,942.3	95.5	-	95.5
Kansas						
December 2017	4,150.3	-	4,150.3	56.0	-	56.0
November 2017	4,129.0	-	4,129.0	54.4	-	54.4
December 2016	4,033.3	-	4,033.3	59.5	-	59.5
Kentucky						
December 2017	3,933.3	1,106.8	5,040.0	56.7	17.0	73.7
November 2017	4,050.2	1,097.5	5,147.8	59.4	17.1	76.4
December 2016	3,924.1	1,135.8	5,060.0	61.3	18.4	79.7
Michigan						
December 2017	11,682.5	-	11,682.5	74.5	-	74.5
November 2017	12,033.6	-	12,033.6	74.9	-	74.9
December 2016	11,659.7	-	11,659.7	80.0	-	80.0
Minnesota						
December 2017	5,622.9	-	5,622.9	135.3	-	135.3
November 2017	5,685.5	-	5,685.5	147.9	-	147.9
December 2016	5,936.7	-	5,936.7	201.5	-	201.5
Missouri						
December 2017	4,849.3	2,239.0	7,088.3	85.0	43.0	128.0
November 2017	5,062.7	2,239.2	7,301.9	80.9	41.9	122.9
December 2016	4,818.6	2,367.1	7,185.7	85.4	42.6	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 2017	5,860.3	690.5	6,550.7	57,640.6	4,750.8	62,391.3
November 2017	6,156.8	739.3	6,896.2	59,388.3	4,937.7	64,326.0
December 2016	5,931.7	825.2	6,757.0	58,598.8	5,591.0	64,189.8
Florida						
December 2017	2,320.9	-	2,320.9	19,464.6	-	19,464.6
November 2017	2,375.8	-	2,375.8	19,968.1	-	19,968.1
December 2016	2,424.3	-	2,424.3	20,753.5	-	20,753.5
Georgia						
December 2017	1,418.5	-	1,418.5	13,359.8	-	13,359.8
November 2017	1,500.5	-	1,500.5	13,569.7	-	13,569.7
December 2016	1,353.5	-	1,353.5	12,905.7	-	12,905.7
North Carolina						
December 2017	1,150.4	-	1,150.4	11,962.5	-	11,962.5
November 2017	1,239.1	-	1,239.1	12,492.1	-	12,492.1
December 2016	1,146.7	-	1,146.7	11,863.9	-	11,863.9
South Carolina						
December 2017	580.0	-	580.0	6,810.2	-	6,810.2
November 2017	619.5	-	619.5	7,045.3	-	7,045.3
December 2016	619.0	-	619.0	6,918.9	-	6,918.9
Virginia						
December 2017	302.2	690.5	992.6	4,080.0	4,750.8	8,830.8
November 2017	323.1	739.3	1,062.4	4,269.2	4,937.7	9,206.9
December 2016	300.3	825.2	1,125.5	4,141.4	5,591.0	9,732.4
West Virginia						
December 2017	88.4	-	88.4	1,963.4	-	1,963.4
November 2017	98.8	-	98.8	2,043.8	-	2,043.8
December 2016	88.1	-	88.1	2,015.4	-	2,015.4
PAD District 2						
December 2017	5,746.5	1,541.1	7,287.6	84,928.2	15,507.3	100,435.5
November 2017	5,863.2	1,491.9	7,355.1	86,427.0	15,198.8	101,625.7
December 2016	5,624.2	1,573.4	7,197.5	85,282.5	16,273.6	101,556.1
Illinois						
December 2017	202.5	977.6	1,180.1	4,541.4	8,435.9	12,977.3
November 2017	206.9	936.4	1,143.3	4,691.4	8,234.9	12,926.3
December 2016	200.1	1,000.7	1,200.8	4,541.2	8,846.9	13,388.1
Indiana						
December 2017	402.7	102.8	505.5	7,163.3	1,157.6	8,320.9
November 2017	416.9	101.9	518.8	7,172.5	1,131.4	8,303.9
December 2016	401.8	111.2	513.0	7,369.0	1,342.3	8,711.3
Iowa						
December 2017	300.3	-	300.3	3,177.6	-	3,177.6
November 2017	312.3	-	312.3	3,335.2	-	3,335.2
December 2016	290.0	-	290.0	3,327.8	-	3,327.8
Kansas						
December 2017	312.3	-	312.3	4,518.6	-	4,518.6
November 2017	310.3	-	310.3	4,493.6	-	4,493.6
December 2016	305.9	-	305.9	4,398.7	-	4,398.7
Kentucky						
December 2017	220.6	93.7	314.3	4,210.6	1,217.5	5,428.1
November 2017	226.1	89.4	315.5	4,335.7	1,204.0	5,539.7
December 2016	220.8	94.5	315.3	4,206.2	1,248.7	5,454.9
Michigan						
December 2017	646.1	-	646.1	12,403.0	-	12,403.0
November 2017	673.4	-	673.4	12,781.9	-	12,781.9
December 2016	625.9	-	625.9	12,365.6	-	12,365.6
Minnesota						
December 2017	461.9	-	461.9	6,220.1	-	6,220.1
November 2017	460.0	-	460.0	6,293.4	-	6,293.4
December 2016	455.1	-	455.1	6,593.3	-	6,593.3
Missouri						
December 2017	338.0	199.1	537.1	5,272.3	2,481.1	7,753.4
November 2017	358.3	196.9	555.2	5,501.9	2,478.0	7,980.0
December 2016	316.0	209.1	525.0	5,220.0	2,618.7	7,838.7

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	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
December 2017	1,913.4	-	1,913.4	41.2	-	41.2
November 2017	1,969.8	-	1,969.8	41.2	-	41.2
December 2016	1,954.8	-	1,954.8	46.8	-	46.8
North Dakota						
December 2017	888.5	-	888.5	24.0	-	24.0
November 2017	957.4	-	957.4	27.3	-	27.3
December 2016	910.2	-	910.2	36.9	-	36.9
Ohio						
December 2017	12,241.7	-	12,241.7	157.7	-	157.7
November 2017	12,141.9	-	12,141.9	159.7	-	159.7
December 2016	11,942.1	-	11,942.1	168.6	-	168.6
Oklahoma						
December 2017	4,876.6	-	4,876.6	65.2	-	65.2
November 2017	4,954.8	-	4,954.8	65.9	-	65.9
December 2016	4,927.7	-	4,927.7	69.2	-	69.2
South Dakota						
December 2017	1,021.4	-	1,021.4	25.5	-	25.5
November 2017	1,072.3	-	1,072.3	28.7	-	28.7
December 2016	1,020.5	-	1,020.5	32.0	-	32.0
Tennessee						
December 2017	8,705.2	-	8,705.2	178.0	-	178.0
November 2017	8,682.7	-	8,682.7	185.4	-	185.4
December 2016	8,398.9	-	8,398.9	213.1	-	213.1
Wisconsin						
December 2017	4,374.1	2,025.2	6,399.3	46.7	22.1	68.8
November 2017	4,584.9	1,962.0	6,546.9	50.1	21.1	71.1
December 2016	4,654.1	2,028.0	6,682.2	77.1	31.0	108.2
PAD District 3						
December 2017	47,166.3	14,355.5	61,521.8	705.3	306.0	1,011.3
November 2017	48,630.3	14,871.1	63,501.3	709.1	313.7	1,022.8
December 2016	42,944.6	14,378.2	57,322.8	776.1	321.1	1,097.2
Alabama						
December 2017	5,969.8	-	5,969.8	78.8	-	78.8
November 2017	6,057.5	-	6,057.5	84.4	-	84.4
December 2016	5,723.1	-	5,723.1	106.4	-	106.4
Arkansas						
December 2017	3,591.9	-	3,591.9	45.2	-	45.2
November 2017	3,578.1	-	3,578.1	47.3	-	47.3
December 2016	3,594.3	-	3,594.3	54.0	-	54.0
Louisiana						
December 2017	7,066.5	-	7,066.5	55.7	-	55.7
November 2017	6,629.5	-	6,629.5	55.9	-	55.9
December 2016	6,728.1	-	6,728.1	73.7	-	73.7
Mississippi						
December 2017	4,061.0	-	4,061.0	56.8	-	56.8
November 2017	4,398.1	-	4,398.1	55.3	-	55.3
December 2016	4,384.8	-	4,384.8	66.1	-	66.1
New Mexico						
December 2017	2,432.9	-	2,432.9	91.7	-	91.7
November 2017	2,420.5	-	2,420.5	85.6	-	85.6
December 2016	2,205.5	-	2,205.5	89.4	-	89.4
Texas						
December 2017	24,044.1	14,355.5	38,399.6	377.0	306.0	683.0
November 2017	25,546.6	14,871.1	40,417.6	380.6	313.7	694.3
December 2016	20,308.8	14,378.2	34,687.1	386.6	321.1	707.7

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 2 (cont.)						
Nebraska						
December 2017	215.6	-	215.6	2,170.3	-	2,170.3
November 2017	218.4	-	218.4	2,229.5	-	2,229.5
December 2016	213.8	-	213.8	2,215.5	-	2,215.5
North Dakota						
December 2017	80.4	-	80.4	992.8	-	992.8
November 2017	94.0	-	94.0	1,078.7	-	1,078.7
December 2016	102.0	-	102.0	1,049.1	-	1,049.1
Ohio						
December 2017	820.7	-	820.7	13,220.1	-	13,220.1
November 2017	810.4	-	810.4	13,112.0	-	13,112.0
December 2016	788.7	-	788.7	12,899.4	-	12,899.4
Oklahoma						
December 2017	467.3	-	467.3	5,409.1	-	5,409.1
November 2017	457.3	-	457.3	5,478.0	-	5,478.0
December 2016	452.1	-	452.1	5,449.0	-	5,449.0
South Dakota						
December 2017	88.2	-	88.2	1,135.1	-	1,135.1
November 2017	96.1	-	96.1	1,197.1	-	1,197.1
December 2016	91.4	-	91.4	1,143.9	-	1,143.9
Tennessee						
December 2017	870.5	-	870.5	9,753.7	-	9,753.7
November 2017	909.6	-	909.6	9,777.7	-	9,777.7
December 2016	832.7	-	832.7	9,444.7	-	9,444.7
Wisconsin						
December 2017	319.4	168.0	487.4	4,740.3	2,215.3	6,955.5
November 2017	313.4	167.4	480.8	4,948.4	2,150.5	7,098.9
December 2016	328.1	157.9	486.0	5,059.4	2,216.9	7,276.3
PAD District 3						
December 2017	4,023.2	2,019.1	6,042.3	51,894.8	16,680.5	68,575.3
November 2017	3,989.7	2,133.2	6,122.9	53,329.1	17,318.0	70,647.0
December 2016	3,703.0	2,074.8	5,777.8	47,423.6	16,774.1	64,197.8
Alabama						
December 2017	506.6	-	506.6	6,555.3	-	6,555.3
November 2017	545.7	-	545.7	6,687.6	-	6,687.6
December 2016	488.4	-	488.4	6,317.8	-	6,317.8
Arkansas						
December 2017	275.5	-	275.5	3,912.6	-	3,912.6
November 2017	278.4	-	278.4	3,903.8	-	3,903.8
December 2016	260.4	-	260.4	3,908.7	-	3,908.7
Louisiana						
December 2017	597.8	-	597.8	7,720.0	-	7,720.0
November 2017	544.4	-	544.4	7,229.8	-	7,229.8
December 2016	555.0	-	555.0	7,356.7	-	7,356.7
Mississippi						
December 2017	298.5	-	298.5	4,416.3	-	4,416.3
November 2017	297.2	-	297.2	4,750.6	-	4,750.6
December 2016	358.2	-	358.2	4,809.1	-	4,809.1
New Mexico						
December 2017	308.6	-	308.6	2,833.3	-	2,833.3
November 2017	294.2	-	294.2	2,800.3	-	2,800.3
December 2016	276.2	-	276.2	2,571.1	-	2,571.1
Texas						
December 2017	2,036.1	2,019.1	4,055.2	26,457.3	16,680.5	43,137.8
November 2017	2,029.7	2,133.2	4,162.9	27,956.9	17,318.0	45,274.8
December 2016	1,764.8	2,074.8	3,839.6	22,460.1	16,774.1	39,234.3

See footnotes at end of table.

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

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
December 2017	11,746.9	-	11,746.9	288.1	-	288.1
November 2017	11,993.9	-	11,993.9	298.4	-	298.4
December 2016	11,474.4	-	11,474.4	319.5	-	319.5
Colorado						
December 2017	5,092.0	-	5,092.0	124.4	-	124.4
November 2017	5,239.7	-	5,239.7	126.0	-	126.0
December 2016	4,823.6	-	4,823.6	139.4	-	139.4
Idaho						
December 2017	1,651.5	-	1,651.5	25.0	-	25.0
November 2017	1,692.2	-	1,692.2	24.5	-	24.5
December 2016	1,631.1	-	1,631.1	24.8	-	24.8
Montana						
December 2017	1,425.4	-	1,425.4	65.8	-	65.8
November 2017	1,523.0	-	1,523.0	68.6	-	68.6
December 2016	1,459.5	-	1,459.5	71.9	-	71.9
Utah						
December 2017	2,798.2	-	2,798.2	57.0	-	57.0
November 2017	2,751.6	-	2,751.6	60.6	-	60.6
December 2016	2,833.0	-	2,833.0	62.4	-	62.4
Wyoming						
December 2017	779.8	-	779.8	15.9	-	15.9
November 2017	787.4	-	787.4	18.7	-	18.7
December 2016	727.1	-	727.1	21.0	-	21.0
PAD District 5						
December 2017	16,855.0	33,829.5	50,684.6	345.8	954.7	1,300.6
November 2017	16,906.1	33,732.3	50,638.6	351.3	966.8	1,318.1
December 2016	16,304.3	34,226.1	50,530.5	375.2	1,083.8	1,459.0
Alaska						
December 2017	563.4	-	563.4	W	-	W
November 2017	589.6	-	589.6	W	-	W
December 2016	620.6	-	620.6	W	-	W
Arizona						
December 2017	W	W	7,030.1	W	W	136.6
November 2017	2,864.0	4,205.9	7,069.9	W	W	137.7
December 2016	2,618.8	4,513.4	7,132.2	W	W	156.2
California						
December 2017	-	29,695.6	29,695.6	-	W	871.6
November 2017	-	29,526.5	29,526.5	-	W	882.5
December 2016	-	29,712.9	29,712.9	-	W	983.1
Hawaii						
December 2017	949.8	-	949.8	W	-	W
November 2017	972.3	-	972.3	W	-	W
December 2016	993.4	-	993.4	W	-	W
Nevada						
December 2017	W	W	2,559.6	86.5	-	86.5
November 2017	2,535.0	-	2,535.0	85.6	-	85.6
December 2016	2,421.0	-	2,421.0	92.4	-	92.4
Oregon						
December 2017	3,678.5	-	3,678.5	29.3	-	29.3
November 2017	3,776.4	-	3,776.4	30.4	-	30.4
December 2016	3,524.9	-	3,524.9	33.3	-	33.3
Washington						
December 2017	6,207.6	-	6,207.6	92.7	-	92.7
November 2017	6,168.9	-	6,168.9	93.4	-	93.4
December 2016	6,125.6	-	6,125.6	103.7	-	103.7

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 2017	2,478.0	-	2,478.0	14,513.0	-	14,513.0
November 2017	2,465.9	-	2,465.9	14,758.1	-	14,758.1
December 2016	2,393.2	-	2,393.2	14,187.1	-	14,187.1
Colorado						
December 2017	1,044.3	-	1,044.3	6,260.7	-	6,260.7
November 2017	1,036.7	-	1,036.7	6,402.4	-	6,402.4
December 2016	967.2	-	967.2	5,930.2	-	5,930.2
Idaho						
December 2017	266.5	-	266.5	1,943.0	-	1,943.0
November 2017	264.4	-	264.4	1,981.1	-	1,981.1
December 2016	259.9	-	259.9	1,915.8	-	1,915.8
Montana						
December 2017	250.7	-	250.7	1,741.9	-	1,741.9
November 2017	268.0	-	268.0	1,859.6	-	1,859.6
December 2016	295.7	-	295.7	1,827.2	-	1,827.2
Utah						
December 2017	769.9	-	769.9	3,625.1	-	3,625.1
November 2017	750.9	-	750.9	3,563.0	-	3,563.0
December 2016	729.8	-	729.8	3,625.3	-	3,625.3
Wyoming						
December 2017	146.6	-	146.6	942.3	-	942.3
November 2017	146.0	-	146.0	952.0	-	952.0
December 2016	140.5	-	140.5	888.6	-	888.6
PAD District 5						
December 2017	2,967.1	9,006.2	11,973.4	20,168.0	43,790.5	63,958.5
November 2017	2,941.6	8,827.7	11,769.3	20,199.1	43,526.8	63,726.0
December 2016	2,897.3	9,176.3	12,073.6	19,576.6	44,486.3	64,063.1
Alaska						
December 2017	W	-	W	637.9	-	637.9
November 2017	W	-	W	668.9	-	668.9
December 2016	W	-	W	708.5	-	708.5
Arizona						
December 2017	W	W	976.2	W	W	8,142.9
November 2017	W	W	980.7	3,294.5	4,893.8	8,188.3
December 2016	W	W	978.7	2,989.2	5,277.9	8,267.1
California						
December 2017	-	W	8,401.5	-	38,968.6	38,968.6
November 2017	-	W	8,224.1	-	38,633.1	38,633.1
December 2016	-	W	8,512.5	-	39,208.3	39,208.3
Hawaii						
December 2017	W	-	W	1,261.4	-	1,261.4
November 2017	W	-	W	1,283.3	-	1,283.3
December 2016	W	-	W	1,371.2	-	1,371.2
Nevada						
December 2017	639.4	-	639.4	W	W	3,285.5
November 2017	625.5	-	625.5	3,246.2	-	3,246.2
December 2016	596.6	-	596.6	3,110.0	-	3,110.0
Oregon						
December 2017	474.7	-	474.7	4,182.5	-	4,182.5
November 2017	469.8	-	469.8	4,276.5	-	4,276.5
December 2016	463.9	-	463.9	4,022.2	-	4,022.2
Washington						
December 2017	1,179.4	-	1,179.4	7,479.6	-	7,479.6
November 2017	1,167.4	-	1,167.4	7,429.7	-	7,429.7
December 2016	1,146.3	-	1,146.3	7,375.6	-	7,375.6

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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

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

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
United States							
December 2017	443.2	64,699.5	W	45,480.1	1,651.7	12,307.4	13,959.1
November 2017	405.9	63,977.6	W	41,134.3	2,034.6	12,010.5	14,045.2
December 2016	427.1	58,370.6	199.1	45,753.1	1,525.1	9,685.7	11,210.9
PAD District 1							
December 2017	110.5	16,183.5	W	12,453.1	389.8	3,751.3	4,141.1
November 2017	133.9	15,974.7	W	8,431.4	852.3	4,520.4	5,372.7
December 2016	103.3	14,824.2	W	11,546.5	529.5	3,945.6	4,475.2
Subdistrict 1A							
December 2017	10.0	1,357.2	W	3,007.9	W	W	94.8
November 2017	13.7	1,426.4	W	1,981.5	W	W	94.2
December 2016	10.1	1,343.9	W	2,792.2	W	W	208.0
Connecticut							
December 2017	1.0	NA	W	308.4	W	-	W
November 2017	2.2	177.5	W	191.2	W	-	W
December 2016	W	169.2	W	297.3	W	-	W
Maine							
December 2017	W	84.2	-	763.7	W	W	36.6
November 2017	W	85.2	-	538.8	W	W	20.7
December 2016	W	79.5	W	719.7	W	W	22.0
Massachusetts							
December 2017	5.4	936.2	W	595.4	W	W	26.4
November 2017	6.5	977.8	W	387.5	W	W	48.5
December 2016	6.4	944.8	W	572.7	W	W	153.6
New Hampshire							
December 2017	0.9	47.4	W	741.9	W	W	W
November 2017	1.8	51.1	W	481.2	W	W	W
December 2016	0.7	45.2	W	705.9	W	W	W
Rhode Island							
December 2017	W	NA	W	83.8	W	-	W
November 2017	1.1	110.2	-	61.6	W	-	W
December 2016	W	77.5	W	59.3	W	-	W
Vermont							
December 2017	W	20.6	W	514.7	W	W	W
November 2017	W	24.5	W	321.1	W	W	W
December 2016	W	27.6	W	437.3	W	-	W
Subdistrict 1B							
December 2017	18.4	9,181.4	W	4,583.5	324.3	2,144.5	2,468.8
November 2017	25.6	9,145.7	W	3,212.6	W	W	3,620.1
December 2016	18.0	8,474.6	W	4,238.0	W	W	2,750.5
Delaware							
December 2017	0.4	9.5	-	W	W	-	W
November 2017	0.9	11.7	-	W	-	-	-
December 2016	W	W	-	W	W	W	W
District of Columbia							
December 2017	-	-	-	W	-	-	-
November 2017	-	-	-	W	-	-	-
December 2016	-	W	-	W	-	-	-
Maryland							
December 2017	3.8	188.3	-	491.5	-	W	W
November 2017	3.3	211.7	-	323.6	-	W	W
December 2016	W	138.2	-	481.3	-	W	W
New Jersey							
December 2017	3.1	2,977.7	W	304.5	W	W	941.5
November 2017	5.9	3,118.9	-	201.2	W	W	1,943.3
December 2016	4.0	2,764.6	-	317.1	19.3	1,521.7	1,541.0
New York							
December 2017	5.2	3,569.7	W	1,716.5	W	W	1,302.1
November 2017	8.0	3,490.7	W	1,273.2	85.1	1,039.5	1,124.6
December 2016	5.1	3,545.9	W	1,578.6	W	W	872.4
Pennsylvania							
December 2017	5.8	2,436.1	W	1,807.5	W	W	W
November 2017	7.5	2,312.7	-	1,259.0	W	-	W
December 2016	5.5	2,014.9	-	1,623.5	W	W	320.8

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
Subdistrict 1C							
December 2017	82.2	5,644.9	-	4,861.6	W	W	1,577.5
November 2017	94.7	5,402.6	-	3,237.4	-	1,658.4	1,658.4
December 2016	75.2	5,005.7	-	4,516.4	-	1,516.7	1,516.7
Florida							
December 2017	49.8	3,683.3	-	607.5	-	1,182.2	1,182.2
November 2017	57.3	3,333.8	-	415.2	-	1,313.8	1,313.8
December 2016	44.9	2,954.2	-	603.9	-	1,162.4	1,162.4
Georgia							
December 2017	10.3	498.9	-	791.6	-	89.2	89.2
November 2017	13.7	535.1	-	572.8	-	64.1	64.1
December 2016	10.6	520.0	-	778.0	-	93.5	93.5
North Carolina							
December 2017	7.5	313.2	-	1,636.5	-	W	W
November 2017	10.2	278.5	-	1,020.6	-	W	W
December 2016	8.4	272.9	-	1,402.3	-	12.5	12.5
South Carolina							
December 2017	5.2	195.5	-	828.2	W	W	W
November 2017	5.8	236.4	-	581.8	-	W	W
December 2016	5.6	185.2	-	812.7	-	W	W
Virginia							
December 2017	8.5	934.2	-	821.3	-	W	W
November 2017	6.5	999.4	-	516.6	-	W	W
December 2016	W	1,054.4	-	757.7	-	W	W
West Virginia							
December 2017	0.9	19.7	-	176.5	-	-	-
November 2017	1.2	19.3	-	130.3	-	-	-
December 2016	W	19.0	-	161.7	-	-	-
PAD District 2							
December 2017	68.2	10,666.5	W	15,340.8	W	108.3	W
November 2017	80.6	10,930.6	W	15,117.2	W	W	W
December 2016	59.1	9,782.9	W	15,051.8	W	90.9	W
Illinois							
December 2017	5.6	2,884.5	-	1,523.7	-	-	-
November 2017	8.8	2,944.1	-	1,553.8	-	W	W
December 2016	4.2	2,239.9	-	1,296.6	-	-	-
Indiana							
December 2017	6.6	1,061.6	-	852.9	-	W	W
November 2017	5.1	1,066.8	-	754.9	-	W	W
December 2016	4.1	914.5	-	800.4	-	W	W
Iowa							
December 2017	3.8	83.2	-	1,659.9	-	-	-
November 2017	3.0	87.6	-	2,506.0	-	-	-
December 2016	W	92.8	-	1,486.7	-	-	-
Kansas							
December 2017	5.7	102.8	-	1,222.5	-	-	-
November 2017	4.7	121.5	-	1,090.2	-	-	-
December 2016	5.0	134.6	-	1,422.3	-	-	-
Kentucky							
December 2017	3.2	1,635.9	W	578.5	-	W	W
November 2017	2.4	1,607.6	W	366.4	-	W	W
December 2016	2.7	1,504.0	W	560.2	-	W	W
Michigan							
December 2017	4.2	447.9	-	1,353.0	W	W	W
November 2017	5.6	419.5	-	1,033.5	W	W	W
December 2016	4.5	376.1	-	1,326.4	-	W	W
Minnesota							
December 2017	5.9	347.5	-	1,570.5	-	W	W
November 2017	5.9	345.4	-	2,337.9	-	W	W
December 2016	5.1	334.6	-	1,567.7	-	W	W
Missouri							
December 2017	5.9	283.7	-	1,273.6	-	-	-
November 2017	6.9	319.1	-	706.5	-	-	-
December 2016	5.7	285.5	-	1,450.8	-	-	-

See footnotes at end of table.

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

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 2 (cont.)							
Nebraska							
December 2017	2.0	152.4	-	431.3	-	W	W
November 2017	3.5	157.0	-	331.8	-	-	-
December 2016	3.2	130.7	-	524.0	-	-	-
North Dakota							
December 2017	3.5	69.5	-	692.2	-	-	-
November 2017	W	72.5	-	886.4	-	-	-
December 2016	W	98.9	-	654.4	-	-	-
Ohio							
December 2017	6.6	1,118.0	-	1,278.3	-	-	-
November 2017	10.5	1,052.4	-	977.7	-	-	-
December 2016	3.9	1,120.9	-	1,134.1	W	-	W
Oklahoma							
December 2017	5.6	727.6	-	320.7	-	-	-
November 2017	5.8	1,088.6	-	213.4	-	-	-
December 2016	4.2	846.1	-	374.5	-	-	-
South Dakota							
December 2017	W	39.6	-	408.4	-	W	W
November 2017	W	51.1	-	402.8	-	W	W
December 2016	2.5	40.6	-	397.1	-	W	W
Tennessee							
December 2017	W	1,547.3	-	465.5	-	W	W
November 2017	7.6	1,427.6	-	309.5	-	W	W
December 2016	4.5	1,496.5	-	449.9	-	W	W
Wisconsin							
December 2017	2.9	165.2	-	1,709.8	-	W	W
November 2017	5.6	169.8	-	1,646.5	-	W	W
December 2016	5.3	167.1	-	1,606.8	-	W	W
PAD District 3							
December 2017	65.3	16,300.2	-	13,166.5	246.2	4,316.3	4,562.5
November 2017	85.2	15,808.0	-	14,309.7	W	W	3,713.2
December 2016	57.5	13,400.9	-	13,906.8	185.3	2,217.1	2,402.5
Alabama							
December 2017	4.1	164.7	-	510.0	-	W	W
November 2017	8.4	207.9	-	358.5	W	W	W
December 2016	4.7	419.9	-	507.1	-	W	W
Arkansas							
December 2017	4.5	125.9	-	288.9	-	-	-
November 2017	5.8	145.9	-	179.0	-	-	-
December 2016	2.8	122.8	-	363.6	-	-	-
Louisiana							
December 2017	4.2	4,048.6	-	976.1	-	910.4	910.4
November 2017	6.9	3,721.0	-	935.0	-	557.7	557.7
December 2016	5.0	2,540.3	-	1,314.1	W	W	757.5
Mississippi							
December 2017	3.8	1,030.8	-	409.8	-	W	W
November 2017	13.1	1,458.2	-	303.2	-	W	W
December 2016	4.0	2,092.4	-	425.0	-	W	W
New Mexico							
December 2017	3.4	124.0	-	236.5	-	-	-
November 2017	4.0	130.4	-	161.0	-	-	-
December 2016	4.2	122.6	-	207.3	-	-	-
Texas							
December 2017	45.3	10,806.2	-	10,745.2	246.2	3,335.1	3,581.3
November 2017	47.1	10,144.7	-	12,372.9	197.0	2,843.1	3,040.1
December 2016	36.8	8,102.9	-	11,089.6	W	W	1,533.0

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 2017	17.7	2,333.5	-	1,314.1	-	W	W
November 2017	25.4	2,006.5	-	1,015.3	-	W	W
December 2016	17.9	1,873.0	-	1,591.7	W	-	W
Colorado							
December 2017	7.9	1,431.6	-	399.8	-	-	-
November 2017	9.1	1,186.3	-	270.6	-	-	-
December 2016	6.4	945.2	-	516.7	-	-	-
Idaho							
December 2017	W	92.7	-	159.5	-	-	-
November 2017	4.3	89.0	-	113.6	-	-	-
December 2016	W	81.1	-	183.5	-	-	-
Montana							
December 2017	2.0	94.3	-	306.5	-	-	-
November 2017	3.8	82.0	-	246.7	-	-	-
December 2016	5.2	90.6	-	368.2	-	-	-
Utah							
December 2017	4.2	665.5	-	138.9	-	-	-
November 2017	6.1	601.9	-	95.9	-	-	-
December 2016	4.5	686.9	-	163.2	W	-	W
Wyoming							
December 2017	W	49.4	-	309.4	-	W	W
November 2017	2.0	47.2	-	288.5	-	W	W
December 2016	W	69.2	-	360.2	W	-	W
PAD District 5							
December 2017	181.5	19,215.6	-	3,205.7	W	W	5,139.6
November 2017	80.8	19,257.8	-	2,260.9	966.0	3,855.2	4,821.2
December 2016	189.3	18,489.6	-	3,656.4	796.4	3,432.1	4,228.5
Alaska							
December 2017	W	1,711.8	-	W	-	-	-
November 2017	W	2,031.6	-	W	-	-	-
December 2016	W	1,865.3	-	W	-	-	-
Arizona							
December 2017	17.3	483.9	-	246.3	-	-	-
November 2017	21.8	498.1	-	147.0	-	-	-
December 2016	13.6	445.2	-	369.9	-	-	-
California							
December 2017	145.8	12,360.8	-	1,732.7	W	W	2,660.5
November 2017	39.0	12,093.6	-	1,164.2	W	W	2,404.3
December 2016	157.7	11,891.2	-	1,919.9	W	W	2,164.8
Hawaii							
December 2017	W	1,533.3	-	W	W	W	1,180.1
November 2017	W	1,333.3	-	W	W	W	1,113.5
December 2016	W	1,296.9	-	W	W	W	W
Nevada							
December 2017	W	611.1	-	164.8	-	-	-
November 2017	W	552.3	-	106.5	-	-	-
December 2016	W	565.1	-	168.3	-	-	-
Oregon							
December 2017	7.1	445.0	-	201.8	-	-	-
November 2017	7.7	456.6	-	163.6	-	-	-
December 2016	6.3	421.2	-	237.1	-	-	-
Washington							
December 2017	6.3	2,069.7	-	803.9	-	1,299.1	1,299.1
November 2017	6.9	2,292.3	-	649.4	-	1,303.4	1,303.4
December 2016	6.2	2,004.9	-	911.3	-	W	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

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

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

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

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

Geographic area month	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 distillate			No. 2 distillate	Total distillate and kerosene
				No. 2 diesel fuel				
				Ultra-low sulfur	Low-sulfur	High-sulfur		
United States								
December 2017	W	3,141.6	16,568.5	153,223.2	83.7	1,189.1	171,064.4	176,044.0
November 2017	W	2,491.8	10,581.2	162,482.7	109.5	1,093.7	174,267.2	178,271.0
December 2016	1,573.9	3,589.4	14,894.0	141,929.9	W	W	157,920.2	163,282.5
PAD District 1								
December 2017	687.5	W	15,695.4	38,436.1	W	W	54,324.0	55,349.8
November 2017	465.9	W	10,073.2	39,311.3	W	W	49,574.1	50,249.8
December 2016	652.7	W	14,459.7	36,918.8	-	185.4	51,564.0	52,534.1
Subdistrict 1A								
December 2017	238.7	W	7,825.6	W	-	W	11,456.0	11,749.0
November 2017	140.6	W	4,697.5	W	-	W	8,142.7	8,324.6
December 2016	201.2	W	7,342.3	W	-	W	10,705.4	10,992.0
Connecticut								
December 2017	W	21.0	1,711.6	633.6	-	-	2,345.3	2,371.8
November 2017	W	W	1,102.4	707.6	-	-	1,810.0	1,838.7
December 2016	W	16.0	1,837.9	697.2	-	-	2,535.1	2,556.6
Maine								
December 2017	W	W	1,445.6	W	-	W	2,220.4	2,379.1
November 2017	W	W	844.5	W	-	W	1,519.6	1,619.4
December 2016	140.8	W	1,377.5	610.9	-	-	1,988.4	2,135.6
Massachusetts								
December 2017	20.0	W	2,366.1	W	-	W	3,601.9	3,633.0
November 2017	5.8	W	1,436.4	W	-	W	2,543.2	2,552.7
December 2016	13.2	W	2,066.6	W	-	W	3,235.4	3,258.8
New Hampshire								
December 2017	36.2	W	970.2	431.4	-	-	1,401.5	1,448.9
November 2017	22.7	W	564.5	369.1	-	-	933.6	962.5
December 2016	26.1	W	990.2	329.4	-	-	1,319.6	1,358.3
Rhode Island								
December 2017	W	W	896.9	382.3	-	-	1,279.1	1,282.1
November 2017	W	W	482.6	W	-	W	895.1	896.3
December 2016	W	W	686.2	370.5	-	-	1,056.7	1,068.5
Vermont								
December 2017	19.1	W	435.3	172.4	-	-	607.7	634.1
November 2017	7.9	W	267.1	174.1	-	-	441.2	455.0
December 2016	15.2	W	384.0	186.2	-	-	570.2	614.2
Subdistrict 1B								
December 2017	290.2	W	7,730.8	W	-	W	21,402.8	21,933.6
November 2017	215.7	W	5,281.6	W	-	W	18,334.5	18,688.8
December 2016	296.8	W	6,998.9	12,898.3	-	132.7	20,029.9	20,536.5
Delaware								
December 2017	4.1	-	W	W	-	-	686.7	690.8
November 2017	W	-	W	W	-	-	W	625.7
December 2016	W	-	W	245.2	-	W	W	338.6
District of Columbia								
December 2017	-	-	W	W	-	-	49.1	49.1
November 2017	-	-	W	W	-	-	43.8	43.8
December 2016	W	-	W	W	-	-	W	51.5
Maryland								
December 2017	31.6	-	492.6	W	-	W	2,210.9	2,242.5
November 2017	W	W	341.9	W	-	W	2,096.3	2,116.5
December 2016	23.6	-	416.8	W	-	W	1,983.8	2,007.5
New Jersey								
December 2017	W	-	1,385.9	W	-	W	5,046.7	5,059.8
November 2017	W	-	1,061.1	3,326.9	-	W	W	4,451.1
December 2016	W	W	1,861.1	W	-	W	5,246.5	5,358.5
New York								
December 2017	W	37.2	3,490.5	3,413.5	-	72.5	6,976.5	7,370.3
November 2017	92.0	W	2,267.7	W	-	W	5,548.6	5,777.6
December 2016	117.4	W	2,913.7	W	-	W	6,270.7	6,596.9
Pennsylvania								
December 2017	85.4	W	2,016.3	W	-	W	6,433.0	6,521.2
November 2017	W	W	1,327.4	W	-	W	5,610.6	5,674.0
December 2016	40.6	0.4	1,711.6	W	-	W	6,142.5	6,183.5

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	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 distillate			No. 2 distillate	Total distillate and kerosene
				No. 2 diesel fuel				
				Ultra-low sulfur	Low-sulfur	High-sulfur		
Subdistrict 1C								
December 2017	158.5	43.5	139.0	21,264.3	W	W	21,465.1	21,667.3
November 2017	109.6	29.9	94.1	22,952.9	W	W	23,096.9	23,236.4
December 2016	154.6	22.3	118.5	W	-	W	20,828.6	21,005.6
Florida								
December 2017	1.2	-	W	5,697.6	W	W	5,760.6	5,761.9
November 2017	W	-	-	6,264.1	W	W	W	6,313.3
December 2016	W	W	-	W	-	W	5,862.6	5,863.9
Georgia								
December 2017	W	W	-	W	-	W	4,406.7	4,412.2
November 2017	W	W	-	W	-	W	4,727.9	4,732.5
December 2016	W	W	-	W	-	W	4,272.3	4,277.8
North Carolina								
December 2017	W	W	W	3,552.4	-	W	3,588.5	3,660.1
November 2017	W	W	W	W	-	-	3,960.7	4,011.2
December 2016	W	W	W	W	-	-	3,436.7	3,506.9
South Carolina								
December 2017	15.8	-	-	W	-	W	2,666.2	2,682.0
November 2017	11.7	-	W	W	-	-	2,890.9	2,902.6
December 2016	16.2	-	W	W	-	-	2,581.7	2,597.9
Virginia								
December 2017	W	W	80.1	W	-	W	3,936.0	4,028.1
November 2017	W	W	46.9	W	-	W	4,097.8	4,160.4
December 2016	W	W	80.7	W	-	W	3,675.3	3,748.8
West Virginia								
December 2017	W	W	17.6	1,089.6	-	-	1,107.3	1,123.1
November 2017	W	W	13.8	W	-	-	W	1,116.4
December 2016	W	W	11.3	988.7	-	-	1,000.1	1,010.2
PAD District 2								
December 2017	W	2,234.0	93.5	W	-	W	46,374.1	48,834.0
November 2017	W	1,677.7	162.8	W	-	W	53,205.5	55,036.3
December 2016	W	2,454.4	58.5	45,174.1	-	-	45,232.8	47,995.8
Illinois								
December 2017	10.0	100.8	-	5,838.6	-	-	5,838.6	5,949.4
November 2017	8.8	50.9	-	6,727.2	-	-	6,727.2	6,786.9
December 2016	13.6	112.5	-	5,431.2	-	-	5,431.2	5,557.3
Indiana								
December 2017	33.8	26.0	-	3,904.1	-	-	3,904.1	3,963.9
November 2017	W	W	-	4,285.4	-	-	4,285.4	4,318.8
December 2016	41.5	31.3	-	4,352.7	-	-	4,352.7	4,425.5
Iowa								
December 2017	4.6	258.1	W	W	-	-	2,278.7	2,541.4
November 2017	2.1	187.5	W	W	-	-	3,491.1	3,680.7
December 2016	3.0	327.4	W	W	-	-	2,244.7	2,575.1
Kansas								
December 2017	4.6	170.5	-	2,646.1	-	-	2,646.1	2,821.3
November 2017	W	W	-	2,809.7	-	-	2,809.7	2,955.3
December 2016	W	W	-	W	-	-	2,783.7	2,969.4
Kentucky								
December 2017	W	W	-	2,459.3	-	-	2,459.3	2,507.3
November 2017	W	W	W	W	-	-	2,650.0	2,676.0
December 2016	W	W	W	W	-	-	2,438.2	2,487.8
Michigan								
December 2017	21.3	40.8	W	W	-	-	2,986.2	3,048.3
November 2017	12.4	27.6	W	W	-	-	3,411.2	3,451.2
December 2016	22.3	35.5	W	W	-	-	2,944.1	3,002.0
Minnesota								
December 2017	7.1	517.4	W	W	-	-	2,195.8	2,720.3
November 2017	17.8	379.6	13.1	3,055.8	-	-	3,068.9	3,466.3
December 2016	W	W	W	W	-	-	2,155.7	2,695.9
Missouri								
December 2017	1.4	25.6	-	3,728.5	-	-	3,728.5	3,755.5
November 2017	1.4	16.4	W	W	-	-	3,874.4	3,892.2
December 2016	2.1	27.4	W	W	-	-	3,436.5	3,466.0

See footnotes at end of table.

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

Geographic area month	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	Total distillate and kerosene
				Ultra-low sulfur	Low-sulfur	High-sulfur		
PAD District 2 (cont.)								
Nebraska								
December 2017	W	W	-	1,715.4	-	-	1,715.4	1,921.5
November 2017	W	W	W	W	-	-	2,251.0	2,386.6
December 2016	-	213.0	W	W	-	-	1,643.8	1,856.8
North Dakota								
December 2017	W	W	W	W	-	-	1,295.1	1,748.6
November 2017	W	W	W	W	-	-	1,712.1	2,152.3
December 2016	W	W	W	W	-	-	1,280.7	1,906.3
Ohio								
December 2017	W	W	W	W	-	W	5,282.8	5,353.4
November 2017	W	W	W	W	-	W	5,592.2	5,634.2
December 2016	W	W	W	W	-	-	5,262.9	5,329.3
Oklahoma								
December 2017	W	W	W	W	-	-	5,273.7	5,279.5
November 2017	W	W	W	W	-	-	5,145.0	5,150.5
December 2016	W	W	W	W	-	-	4,761.7	4,781.3
South Dakota								
December 2017	W	W	W	W	-	-	625.3	851.6
November 2017	W	W	W	W	-	-	1,030.1	1,201.4
December 2016	0.7	219.6	W	W	-	-	534.7	755.0
Tennessee								
December 2017	W	W	-	3,427.2	-	-	3,427.2	3,443.3
November 2017	W	W	-	3,744.7	-	-	3,744.7	3,754.8
December 2016	W	W	-	3,366.0	-	-	3,366.0	3,379.5
Wisconsin								
December 2017	5.4	206.0	W	W	-	-	2,717.4	2,928.7
November 2017	6.8	109.9	W	W	-	-	3,412.6	3,529.3
December 2016	16.1	196.5	W	W	-	-	2,596.2	2,808.8
PAD District 3								
December 2017	683.5	2.9	W	41,172.3	W	412.1	42,316.6	43,003.1
November 2017	737.2	1.2	259.8	41,506.0	W	W	42,165.1	42,903.5
December 2016	W	W	274.0	32,722.6	W	W	33,265.1	33,856.6
Alabama								
December 2017	W	-	-	2,420.8	W	W	W	2,494.2
November 2017	W	-	-	2,733.9	W	W	W	2,836.8
December 2016	W	-	-	2,557.5	-	W	W	2,591.8
Arkansas								
December 2017	W	W	W	W	-	-	1,985.2	1,986.6
November 2017	W	W	W	W	-	-	2,154.6	2,155.4
December 2016	W	W	W	W	-	-	1,825.4	1,826.3
Louisiana								
December 2017	W	W	W	5,617.1	-	W	6,083.1	6,689.5
November 2017	W	-	W	5,745.1	-	W	W	6,584.0
December 2016	W	W	W	W	-	W	6,100.3	6,652.8
Mississippi								
December 2017	W	W	-	W	-	W	1,861.5	1,863.0
November 2017	W	-	-	W	-	-	W	2,127.1
December 2016	W	-	-	1,798.2	-	W	W	1,810.1
New Mexico								
December 2017	-	W	-	W	-	-	W	1,970.0
November 2017	-	W	-	W	-	-	W	2,082.1
December 2016	-	W	-	W	-	-	W	1,815.5
Texas								
December 2017	W	W	W	27,326.8	W	310.6	27,959.4	27,999.8
November 2017	W	W	152.6	26,676.3	W	W	27,113.3	27,118.1
December 2016	5.9	-	W	18,718.3	W	159.3	19,154.3	19,160.1

See footnotes at end of table.

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

Geographic area month	No. 2 distillate							Total distillate and kerosene
	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 diesel fuel			No. 2 distillate	
				Ultra-low sulfur	Low-sulfur	High-sulfur		
PAD District 4								
December 2017	W	W	W	W	-	-	8,131.1	8,500.5
November 2017	W	W	W	W	-	-	8,667.2	8,953.3
December 2016	W	W	W	W	-	-	8,078.0	8,553.9
Colorado								
December 2017	-	106.4	-	2,113.6	-	-	2,113.6	2,220.0
November 2017	-	81.1	-	2,327.5	-	-	2,327.5	2,408.6
December 2016	-	118.4	-	1,959.6	-	-	1,959.6	2,078.0
Idaho								
December 2017	W	W	W	W	-	-	1,313.5	1,338.1
November 2017	-	26.0	W	W	-	-	1,259.4	1,285.4
December 2016	W	W	W	W	-	-	1,295.9	1,327.7
Montana								
December 2017	-	95.8	W	W	-	-	1,403.5	1,499.3
November 2017	-	85.8	-	1,600.6	-	-	1,600.6	1,686.4
December 2016	-	159.5	W	W	-	-	1,511.0	1,670.6
Utah								
December 2017	W	W	-	1,931.8	-	-	1,931.8	1,981.0
November 2017	W	W	W	W	-	-	1,923.6	1,953.1
December 2016	W	W	W	W	-	-	1,942.0	1,989.4
Wyoming								
December 2017	-	93.6	-	1,368.5	-	-	1,368.5	1,462.1
November 2017	-	63.8	-	W	-	-	1,556.1	1,619.9
December 2016	-	118.8	-	W	-	-	1,369.4	1,488.2
PAD District 5								
December 2017	30.8	407.2	W	W	W	557.3	19,918.5	20,356.5
November 2017	31.5	441.4	W	W	W	547.2	20,655.1	21,128.0
December 2016	37.5	524.1	W	W	W	603.2	19,780.4	20,342.0
Alaska								
December 2017	-	W	W	W	-	-	W	563.6
November 2017	-	W	W	W	-	-	W	638.9
December 2016	-	W	W	W	-	-	W	645.4
Arizona								
December 2017	-	-	-	2,732.5	-	-	2,732.5	2,732.5
November 2017	-	-	-	2,718.2	-	-	2,718.2	2,718.2
December 2016	-	-	-	2,554.3	-	-	2,554.3	2,554.3
California								
December 2017	W	W	-	W	-	W	10,265.6	10,288.8
November 2017	24.9	W	-	10,350.0	-	W	W	10,568.2
December 2016	W	W	-	W	-	W	10,383.5	10,431.1
Hawaii								
December 2017	-	-	-	313.1	W	W	655.4	655.4
November 2017	-	-	-	381.1	W	W	743.6	743.6
December 2016	-	-	-	292.0	W	W	654.3	654.3
Nevada								
December 2017	W	8.9	W	1,403.7	-	-	W	1,423.8
November 2017	W	W	W	W	-	-	1,534.2	1,543.1
December 2016	W	W	W	W	-	-	1,267.9	1,276.4
Oregon								
December 2017	W	W	-	1,943.4	-	-	1,943.4	1,969.4
November 2017	W	W	-	1,998.2	-	-	1,998.2	2,028.7
December 2016	W	W	-	W	-	W	1,893.2	1,930.3
Washington								
December 2017	W	W	W	2,699.7	-	W	2,711.5	2,722.9
November 2017	W	W	W	2,852.5	-	W	2,872.7	2,887.2
December 2016	W	18.7	W	W	-	W	W	2,850.4

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: - Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil (published on Table 46). - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2017 are final. Totals may not equal the sum of the components due to rounding.

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