



U.S. Energy Information
Administration

Petroleum Supply Monthly

with data for March 2017

May 2017



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Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
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- Movements of crude oil, petroleum products, and biofuels

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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	282,053	--	--	249,501	2,169	11,000	496,878	25,845	0	1,229,394
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	112,973	-674	21,045	6,057	--	-5,352	16,070	47,486	81,197	151,456
Pentanes Plus	13,209	-674	--	6	--	-1,323	5,293	5,153	3,418	21,493
Liquefied Petroleum Gases	99,764	--	21,045	6,051	--	-4,029	10,777	42,333	77,779	129,963
Ethane/Ethylene	43,088	--	73	--	--	1,788	--	5,297	36,076	54,304
Propane/Propylene	36,780	--	18,180	5,152	--	-6,613	--	31,305	35,420	43,978
Normal Butane/Butylene	10,905	--	2,326	671	--	537	4,897	5,588	2,880	22,613
Isobutane/Isobutylene	8,991	--	466	228	--	259	5,880	143	3,403	9,068
Other Liquids	--	36,919	--	35,779	7,166	-8,168	70,246	15,174	2,612	339,156
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	36,923	--	1,661	4,968	917	37,372	5,263	0	32,584
Hydrogen	--	--	--	--	6,787	--	6,787	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,005	--	552	192	547	120	2,082	0	1,661
Renewable Fuels (including Fuel Ethanol) ...	--	34,918	--	1,106	-2,042	356	30,445	3,181	0	30,889
Fuel Ethanol ⁵	--	32,161	--	--	87	731	28,473	3,044	0	23,759
Renewable Fuels Except Fuel Ethanol	--	2,757	--	1,106	-2,129	-375	1,972	136	0	7,130
Other Hydrocarbons	--	--	--	3	31	14	20	--	0	34
Unfinished Oils	--	--	--	20,169	--	1,081	9,202	7,272	2,614	89,338
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-4	--	13,949	2,199	-10,166	23,670	2,640	0	217,225
Reformulated	--	--	--	5,882	8,167	-2,739	16,782	6	0	50,393
Conventional	--	-4	--	8,067	-5,968	-7,427	6,888	2,634	0	166,832
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	2	--	-2	9
Finished Petroleum Products	--	81	596,511	20,503	-190	-14,267	--	93,956	537,217	312,501
Finished Motor Gasoline	--	81	304,847	1,574	-2,286	-3,999	--	18,279	289,936	21,728
Reformulated	--	--	101,125	--	-8,443	-10	--	--	92,692	45
Conventional	--	81	203,722	1,574	6,157	-3,989	--	18,279	197,244	21,683
Finished Aviation Gasoline	--	--	344	1	--	38	--	--	307	991
Kerosene-Type Jet Fuel	--	--	51,978	3,819	--	-1,623	--	5,674	51,746	42,283
Kerosene	--	--	3	168	--	8	--	116	47	2,219
Distillate Fuel Oil ⁵	--	--	148,202	3,360	2,096	-11,161	--	36,055	128,764	151,080
15 ppm sulfur and under	--	--	137,736	2,194	2,096	-7,778	--	28,965	120,839	134,807
Greater than 15 ppm to 500 ppm sulfur	--	--	4,041	47	--	-1,368	--	4,652	804	6,136
Greater than 500 ppm sulfur	--	--	6,425	1,119	--	-2,015	--	2,438	7,121	10,137
Residual Fuel Oil ⁶	--	--	13,229	6,866	--	1,201	--	7,667	11,227	40,774
Less than 0.31 percent sulfur	--	--	1,698	547	--	-220	--	NA	NA	3,477
0.31 to 1.00 percent sulfur	--	--	1,555	438	--	1,650	--	NA	NA	9,481
Greater than 1.00 percent sulfur	--	--	9,976	5,881	--	-229	--	NA	NA	27,810
Petrochemical Feedstocks	--	--	10,528	1,463	--	-59	--	--	12,050	3,212
Naphtha for Petro. Feed. Use	--	--	6,294	1,351	--	-208	--	--	7,853	2,093
Other Oils for Petro. Feed. Use	--	--	4,234	112	--	149	--	--	4,197	1,119
Special Naphthas	--	--	1,151	395	--	-18	--	--	1,564	1,106
Lubricants	--	--	5,126	1,152	--	-1,510	--	3,680	4,108	9,960
Waxes	--	--	166	144	--	-23	--	126	207	684
Petroleum Coke	--	--	26,747	386	--	-279	--	21,975	5,437	6,985
Marketable	--	--	20,245	386	--	-279	--	21,975	-1,065	6,985
Catalyst	--	--	6,502	--	--	--	--	--	6,502	--
Asphalt and Road Oil	--	--	10,596	1,174	--	3,202	--	358	8,210	30,858
Still Gas	--	--	20,687	--	--	--	--	--	20,687	--
Miscellaneous Products	--	--	2,907	1	--	-44	--	26	2,926	621
Total	395,026	36,326	617,556	311,840	9,146	-16,787	583,194	182,461	621,026	2,032,507

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	809,670	--	--	731,904	20,811	49,980	1,432,185	80,220	0	1,229,394
Natural Gas Plant Liquids and Liquefied Refinery Gases	318,202	-1,963	43,525	21,924	--	-52,010	52,631	129,805	251,262	151,456
Pentanes Plus	37,247	-1,963	--	973	--	-3,539	13,957	16,793	9,046	21,493
Liquefied Petroleum Gases	280,955	--	43,525	20,951	--	-48,471	38,674	113,013	242,215	129,963
Ethane/Ethylene	119,765	--	433	--	--	299	--	13,263	106,636	54,304
Propane/Propylene	104,703	--	50,871	18,651	--	-40,118	--	89,621	124,722	43,978
Normal Butane/Butylene	30,122	--	-8,085	1,489	--	-9,595	20,878	9,672	2,571	22,613
Isobutane/Isobutylene	26,365	--	306	811	--	943	17,796	457	8,286	9,068
Other Liquids	--	106,474	--	108,428	17,573	21,051	162,255	47,648	1,521	339,156
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	106,487	--	4,624	13,240	4,183	104,416	15,753	0	32,584
Hydrogen	--	--	--	--	19,225	--	19,225	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	6,145	--	1,356	-778	184	318	6,221	0	1,661
Renewable Fuels (including Fuel Ethanol)	--	100,342	--	3,187	-5,237	3,982	84,779	9,532	0	30,889
Fuel Ethanol ⁵	--	93,149	--	771	-1,113	4,228	79,284	9,295	0	23,759
Renewable Fuels Except Fuel Ethanol	--	7,193	--	2,416	-4,124	-246	5,495	237	0	7,130
Other Hydrocarbons	--	--	--	81	30	17	94	--	0	34
Unfinished Oils	--	--	--	56,575	--	8,756	22,755	23,533	1,531	89,338
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-13	--	47,229	4,333	8,112	35,074	8,363	0	217,225
Reformulated	--	-1	--	18,595	23,684	-1,756	44,013	21	0	50,393
Conventional	--	-12	--	28,634	-19,351	9,868	-8,939	8,342	0	166,832
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	10	--	-10	9
Finished Petroleum Products	--	245	1,702,031	62,689	1,236	-17,170	--	281,606	1,501,765	312,501
Finished Motor Gasoline	--	245	861,113	3,615	-3,220	-6,882	--	63,443	805,192	21,728
Reformulated	--	--	283,252	--	-24,286	-2	--	--	258,968	45
Conventional	--	245	577,861	3,615	21,066	-6,880	--	63,443	546,224	21,683
Finished Aviation Gasoline	--	--	840	4	--	-3	--	--	847	991
Kerosene-Type Jet Fuel	--	--	146,975	12,299	--	-493	--	15,932	143,835	42,283
Kerosene	--	--	618	168	--	-42	--	178	650	2,219
Distillate Fuel Oil ⁵	--	--	427,725	15,252	4,456	-14,376	--	106,486	355,322	151,080
15 ppm sulfur and under	--	--	396,658	10,458	4,456	-8,213	--	87,253	332,532	134,807
Greater than 15 ppm to 500 ppm sulfur	--	--	11,145	124	--	-2,686	--	13,001	954	6,136
Greater than 500 ppm sulfur	--	--	19,922	4,670	--	-3,477	--	6,233	21,836	10,137
Residual Fuel Oil ⁶	--	--	41,454	18,626	--	-769	--	27,809	33,040	40,774
Less than 0.31 percent sulfur	--	--	5,111	922	--	6	--	NA	NA	3,477
0.31 to 1.00 percent sulfur	--	--	4,900	916	--	409	--	NA	NA	9,481
Greater than 1.00 percent sulfur	--	--	31,443	16,788	--	-1,184	--	NA	NA	27,810
Petrochemical Feedstocks	--	--	28,453	3,688	--	-28	--	--	32,169	3,212
Naphtha for Petro. Feed. Use	--	--	18,976	2,918	--	82	--	--	21,812	2,093
Other Oils for Petro. Feed. Use	--	--	9,477	770	--	-110	--	--	10,357	1,119
Special Naphthas	--	--	3,189	1,408	--	-112	--	--	4,709	1,106
Lubricants	--	--	15,299	3,666	--	-2,415	--	10,559	10,821	9,960
Waxes	--	--	477	393	--	13	--	348	509	684
Petroleum Coke	--	--	79,960	900	--	2	--	55,302	25,556	6,985
Marketable	--	--	60,203	900	--	2	--	55,302	5,799	6,985
Catalyst	--	--	19,757	--	--	--	--	--	19,757	--
Asphalt and Road Oil	--	--	27,591	2,667	--	7,992	--	1,369	20,897	30,858
Still Gas	--	--	59,954	--	--	--	--	--	59,954	--
Miscellaneous Products	--	--	8,383	3	--	-57	--	180	8,263	621
Total	1,127,872	104,756	1,745,556	924,945	39,620	1,851	1,647,071	539,280	1,754,548	2,032,507

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	9,098	--	--	8,048	70	355	16,028	834	0
Natural Gas Plant Liquids and Liquefied									
Refinery Gases	3,644	-22	679	195	--	-173	518	1,532	2,619
Pentanes Plus	426	-22	--	0	--	-43	171	166	110
Liquefied Petroleum Gases	3,218	--	679	195	--	-130	348	1,366	2,509
Ethane/Ethylene	1,390	--	2	--	--	58	--	171	1,164
Propane/Propylene	1,186	--	586	166	--	-213	--	1,010	1,143
Normal Butane/Butylene	352	--	75	22	--	17	158	180	93
Isobutane/Isobutylene	290	--	15	7	--	8	190	5	110
Other Liquids	--	1,191	--	1,154	231	-263	2,266	489	84
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,191	--	54	160	30	1,206	170	0
Hydrogen	--	--	--	--	219	--	219	--	0
Oxygenates (excluding Fuel Ethanol)	--	65	--	18	6	18	4	67	0
Renewable Fuels (including Fuel Ethanol)	--	1,126	--	36	-66	11	982	103	0
Fuel Ethanol	--	1,037	--	--	3	24	918	98	0
Renewable Fuels Except Fuel Ethanol	--	89	--	36	-69	-12	64	4	0
Other Hydrocarbons	--	--	--	0	1	0	1	--	0
Unfinished Oils	--	--	--	651	--	35	297	235	84
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	450	71	-328	764	85	0
Reformulated	--	--	--	190	263	-88	541	0	0
Conventional	--	0	--	260	-193	-240	222	85	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	3	19,242	661	-6	-460	--	3,031	17,330
Finished Motor Gasoline	--	3	9,834	51	-74	-129	--	590	9,353
Reformulated	--	--	3,262	--	-272	0	--	--	2,990
Conventional	--	3	6,572	51	199	-129	--	590	6,363
Finished Aviation Gasoline	--	--	11	0	--	1	--	--	10
Kerosene-Type Jet Fuel	--	--	1,677	123	--	-52	--	183	1,669
Kerosene	--	--	0	5	--	0	--	4	2
Distillate Fuel Oil ⁵	--	--	4,781	108	68	-360	--	1,163	4,154
15 ppm sulfur and under	--	--	4,443	71	68	-251	--	934	3,898
Greater than 15 ppm to 500 ppm sulfur	--	--	130	2	--	-44	--	150	26
Greater than 500 ppm sulfur	--	--	207	36	--	-65	--	79	230
Residual Fuel Oil ⁶	--	--	427	221	--	39	--	247	362
Less than 0.31 percent sulfur	--	--	55	18	--	-7	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	50	14	--	53	--	NA	NA
Greater than 1.00 percent sulfur	--	--	322	190	--	-7	--	NA	NA
Petrochemical Feedstocks	--	--	340	47	--	-2	--	--	389
Naphtha for Petro. Feed. Use	--	--	203	44	--	-7	--	--	253
Other Oils for Petro. Feed. Use	--	--	137	4	--	5	--	--	135
Special Naphthas	--	--	37	13	--	-1	--	--	50
Lubricants	--	--	165	37	--	-49	--	119	133
Waxes	--	--	5	5	--	-1	--	4	7
Petroleum Coke	--	--	863	12	--	-9	--	709	175
Marketable	--	--	653	12	--	-9	--	709	-34
Catalyst	--	--	210	--	--	--	--	--	210
Asphalt and Road Oil	--	--	342	38	--	103	--	12	265
Still Gas	--	--	667	--	--	--	--	--	667
Miscellaneous Products	--	--	94	0	--	-1	--	1	94
Total	12,743	1,172	19,921	10,059	295	-542	18,813	5,886	20,033

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	8,996	--	--	8,132	231	555	15,913	891	0
Natural Gas Plant Liquids and Liquefied									
Refinery Gases	3,536	-22	484	244	--	-578	585	1,442	2,792
Pentanes Plus	414	-22	--	11	--	-39	155	187	101
Liquefied Petroleum Gases	3,122	--	484	233	--	-539	430	1,256	2,691
Ethane/Ethylene	1,331	--	5	--	--	3	--	147	1,185
Propane/Propylene	1,163	--	565	207	--	-446	--	996	1,386
Normal Butane/Butylene	335	--	-90	17	--	-107	232	107	29
Isobutane/Isobutylene	293	--	3	9	--	10	198	5	92
Other Liquids	--	1,183	--	1,205	195	234	1,803	529	17
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,183	--	51	147	46	1,160	175	0
Hydrogen	--	--	--	--	214	--	214	--	0
Oxygenates (excluding Fuel Ethanol)	--	68	--	15	-9	2	4	69	0
Renewable Fuels (including Fuel Ethanol)	--	1,115	--	35	-58	44	942	106	0
Fuel Ethanol	--	1,035	--	9	-12	47	881	103	0
Renewable Fuels Except Fuel Ethanol	--	80	--	27	-46	-3	61	3	0
Other Hydrocarbons	--	--	--	1	0	0	1	--	0
Unfinished Oils	--	--	--	629	--	97	253	261	17
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	525	48	90	390	93	0
Reformulated	--	0	--	207	263	-20	489	0	0
Conventional	--	0	--	318	-215	110	-99	93	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	3	18,911	697	14	-191	--	3,129	16,686
Finished Motor Gasoline	--	3	9,568	40	-36	-76	--	705	8,947
Reformulated	--	--	3,147	--	-270	0	--	--	2,877
Conventional	--	3	6,421	40	234	-76	--	705	6,069
Finished Aviation Gasoline	--	--	9	0	--	0	--	--	9
Kerosene-Type Jet Fuel	--	--	1,633	137	--	-5	--	177	1,598
Kerosene	--	--	7	2	--	0	--	2	7
Distillate Fuel Oil ⁵	--	--	4,753	169	50	-160	--	1,183	3,948
15 ppm sulfur and under	--	--	4,407	116	50	-91	--	969	3,695
Greater than 15 ppm to 500 ppm sulfur	--	--	124	1	--	-30	--	144	11
Greater than 500 ppm sulfur	--	--	221	52	--	-39	--	69	243
Residual Fuel Oil ⁶	--	--	461	207	--	-9	--	309	367
Less than 0.31 percent sulfur	--	--	57	10	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	54	10	--	5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	349	187	--	-13	--	NA	NA
Petrochemical Feedstocks	--	--	316	41	--	0	--	--	357
Naphtha for Petro. Feed. Use	--	--	211	32	--	1	--	--	242
Other Oils for Petro. Feed. Use	--	--	105	9	--	-1	--	--	115
Special Naphthas	--	--	35	16	--	-1	--	--	52
Lubricants	--	--	170	41	--	-27	--	117	120
Waxes	--	--	5	4	--	0	--	4	6
Petroleum Coke	--	--	888	10	--	0	--	614	284
Marketable	--	--	669	10	--	0	--	614	64
Catalyst	--	--	220	--	--	--	--	--	220
Asphalt and Road Oil	--	--	307	30	--	89	--	15	232
Still Gas	--	--	666	--	--	--	--	--	666
Miscellaneous Products	--	--	93	0	--	-1	--	2	92
Total	12,532	1,164	19,395	10,277	440	21	18,301	5,992	19,495

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	1,368	--	--	23,345	3,231	2,019	2,262	27,610	91	0	18,812
Natural Gas Plant Liquids and Liquefied Refinery Gases	12,338	-16	718	1,572	-440	--	-1,144	1,044	3,774	10,498	4,669
Pentanes Plus	1,163	-16	--	--	-10	--	-16	151	140	862	143
Liquefied Petroleum Gases	11,175	--	718	1,572	-430	--	-1,128	893	3,634	9,636	4,526
Ethane/Ethylene	5,310	--	18	--	-4,130	--	178	--	1,297	-277	514
Propane/Propylene	4,042	--	947	1,521	2,903	--	-1,258	--	2,294	8,377	2,949
Normal Butane/Butylene	1,206	--	-255	--	558	--	-30	497	43	999	864
Isobutane/Isobutylene	617	--	8	51	239	--	-18	396	--	537	199
Other Liquids	--	997	--	15,493	55,048	8,413	-6,510	86,689	1,625	-1,853	78,002
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	1,000	--	379	8,711	711	-197	10,919	80	0	10,641
Hydrogen	--	--	--	--	--	108	--	108	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol)	--	1,000	--	379	8,711	602	-197	10,811	78	0	10,641
Fuel Ethanol	--	860	--	--	8,573	1,109	65	10,408	69	0	8,404
Renewable Fuels Except Fuel Ethanol	--	140	--	379	139	-507	-262	403	10	0	2,237
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2,465	-47	--	-350	3,093	1,528	-1,853	6,041
Motor Gasoline Blend. Comp. (MGBC)	--	-3	--	12,649	46,384	7,702	-5,963	72,677	18	0	61,320
Reformulated	--	--	--	5,882	6,721	3,527	-2,425	18,554	1	0	20,020
Conventional	--	-3	--	6,767	39,663	4,175	-3,538	54,123	17	0	41,300
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	116,187	10,143	49,172	-8,304	-10,476	--	4,062	173,613	87,242
Finished Motor Gasoline	--	--	99,166	1,549	9,274	-8,810	-1,528	--	426	102,281	3,950
Reformulated	--	--	39,433	--	--	-3,211	-4	--	--	36,226	33
Conventional	--	--	59,733	1,549	9,274	-5,600	-1,524	--	426	66,055	3,917
Finished Aviation Gasoline	--	--	--	1	909	--	-39	--	--	949	187
Kerosene-Type Jet Fuel	--	--	2,232	1,185	14,607	--	-860	--	147	18,737	10,701
Kerosene	--	--	14	168	--	--	57	--	2	123	1,862
Distillate Fuel Oil ⁶	--	--	8,955	3,003	23,480	507	-8,932	--	1,324	43,553	52,228
15 ppm sulfur and under	--	--	6,732	2,146	21,145	507	-5,914	--	11	36,433	44,049
Greater than 15 ppm to 500 ppm sulfur	--	--	262	47	207	--	-1,162	--	1,213	465	3,596
Greater than 500 ppm sulfur	--	--	1,961	810	2,128	--	-1,856	--	100	6,655	4,583
Residual Fuel Oil ⁷	--	--	1,111	2,918	--	--	-432	--	1,497	2,964	9,478
Less than 0.31 percent sulfur	--	--	346	347	--	--	-110	--	NA	NA	1,145
0.31 to 1.00 percent sulfur	--	--	131	144	--	--	-69	--	NA	NA	2,233
Greater than 1.00 percent sulfur	--	--	634	2,427	--	--	-253	--	NA	NA	6,100
Petrochemical Feedstocks	--	--	144	--	-39	--	61	--	--	44	156
Naphtha for Petro. Feed. Use	--	--	144	--	--	--	61	--	--	83	156
Other Oils for Petro. Feed. Use	--	--	--	--	-39	--	--	--	--	-39	--
Special Naphthas	--	--	22	--	--	--	8	--	--	14	29
Lubricants	--	--	402	316	649	--	33	--	179	1,155	1,139
Waxes	--	--	5	71	--	--	-39	--	73	42	372
Petroleum Coke	--	--	1,036	195	--	--	--	--	292	939	--
Marketable	--	--	404	195	--	--	--	--	292	307	--
Catalyst	--	--	632	--	--	--	--	--	--	632	--
Asphalt and Road Oil	--	--	1,660	737	292	--	1,194	--	106	1,389	7,108
Still Gas	--	--	1,351	--	--	--	--	--	--	1,351	--
Miscellaneous Products	--	--	89	--	--	--	1	--	15	73	32
Total	13,706	981	116,905	50,553	107,012	2,128	-15,868	115,343	9,552	182,258	188,725

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	3,990	--	--	72,047	13,820	4,903	6,567	85,770	2,423	0	18,812
Natural Gas Plant Liquids and Liquefied Refinery Gases	34,976	-46	1,276	6,301	2,195	--	-3,098	3,583	15,262	28,955	4,669
Pentanes Plus	3,348	-46	--	--	-30	--	-40	601	8,010	-5,299	143
Liquefied Petroleum Gases	31,628	--	1,276	6,301	2,225	--	-3,058	2,982	7,252	34,254	4,526
Ethane/Ethylene	14,731	--	48	--	-11,098	--	74	--	3,283	324	514
Propane/Propylene	11,641	--	2,883	6,034	11,431	--	-3,065	--	3,870	31,184	2,949
Normal Butane/Butylene	3,504	--	-1,664	34	1,387	--	-108	1,826	97	1,446	864
Isobutane/Isobutylene	1,752	--	9	233	505	--	41	1,156	2	1,300	199
Other Liquids	--	2,818	--	51,470	160,745	25,405	4,892	234,209	5,665	-4,328	78,002
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	2,827	--	1,018	27,354	896	1,530	30,455	110	0	10,641
Hydrogen	--	--	--	--	--	315	--	315	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	4	--	--	4	0	--
Renewable Fuels (including Fuel Ethanol)	--	2,827	--	1,017	27,354	578	1,530	30,140	106	0	10,641
Fuel Ethanol	--	2,508	--	--	26,923	1,737	2,118	28,961	89	0	8,404
Renewable Fuels Except Fuel Ethanol	--	319	--	1,017	431	-1,159	-588	1,179	17	0	2,237
Other Hydrocarbons	--	--	--	1	--	-1	--	--	--	0	--
Unfinished Oils	--	--	--	9,459	-112	--	1,569	6,580	5,526	-4,328	6,041
Motor Gasoline Blend. Comp. (MGBC)	--	-9	--	40,993	133,503	24,509	1,793	197,174	29	0	61,320
Reformulated	--	--	--	18,595	21,842	11,118	397	51,156	2	0	20,020
Conventional	--	-9	--	22,398	111,661	13,391	1,396	146,018	27	0	41,300
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	326,889	31,799	143,279	-25,088	-15,517	--	13,407	478,989	87,242
Finished Motor Gasoline	--	--	276,578	3,226	26,605	-26,247	-1,542	--	1,836	279,868	3,950
Reformulated	--	--	111,391	--	--	-10,408	2	--	--	100,981	33
Conventional	--	--	165,187	3,226	26,605	-15,839	-1,544	--	1,836	178,888	3,917
Finished Aviation Gasoline	--	--	--	3	2,241	--	23	--	--	2,221	187
Kerosene-Type Jet Fuel	--	--	6,611	4,370	40,127	--	-377	--	194	51,291	10,701
Kerosene	--	--	247	168	--	--	91	--	7	317	1,862
Distillate Fuel Oil ⁶	--	--	27,010	13,729	71,893	1,159	-14,723	--	4,706	123,808	52,228
15 ppm sulfur and under	--	--	19,743	9,702	65,546	1,159	-9,408	--	2,257	103,301	44,049
Greater than 15 ppm to 500 ppm sulfur	--	--	1,106	124	461	--	-2,792	--	2,349	2,134	3,596
Greater than 500 ppm sulfur	--	--	6,161	3,903	5,886	--	-2,523	--	101	18,372	4,583
Residual Fuel Oil ⁷	--	--	3,628	7,765	-103	--	-1,518	--	4,178	8,630	9,478
Less than 0.31 percent sulfur	--	--	1,168	347	-103	--	145	--	NA	NA	1,145
0.31 to 1.00 percent sulfur	--	--	697	580	--	--	-410	--	NA	NA	2,233
Greater than 1.00 percent sulfur	--	--	1,763	6,838	--	--	-1,253	--	NA	NA	6,100
Petrochemical Feedstocks	--	--	309	--	-76	--	-3	--	--	236	156
Naphtha for Petro. Feed. Use	--	--	309	--	--	--	-3	--	--	312	156
Other Oils for Petro. Feed. Use	--	--	--	--	-76	--	--	--	--	-76	--
Special Naphthas	--	--	59	--	--	--	7	--	--	52	29
Lubricants	--	--	1,181	589	1,633	--	-69	--	556	2,916	1,139
Waxes	--	--	21	175	--	--	-5	--	192	9	372
Petroleum Coke	--	--	3,204	199	--	--	--	--	1,395	2,008	--
Marketable	--	--	1,232	199	--	--	--	--	1,395	36	--
Catalyst	--	--	1,972	--	--	--	--	--	--	1,972	--
Asphalt and Road Oil	--	--	3,881	1,575	959	--	2,604	--	299	3,512	7,108
Still Gas	--	--	3,878	--	--	--	--	--	--	3,878	--
Miscellaneous Products	--	--	282	--	--	--	-5	--	46	241	32
Total	38,966	2,772	328,165	161,617	320,039	5,220	-7,156	323,562	36,757	503,616	188,725

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

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⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	44	--	--	753	104	65	73	891	3	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	398	-1	23	51	-14	--	-37	34	122	339
Pentanes Plus	38	-1	--	--	0	--	-1	5	5	28
Liquefied Petroleum Gases	360	--	23	51	-14	--	-36	29	117	311
Ethane/Ethylene	171	--	1	--	-133	--	6	--	42	-9
Propane/Propylene	130	--	31	49	94	--	-41	--	74	270
Normal Butane/Butylene	39	--	-8	--	18	--	-1	16	1	32
Isobutane/Isobutylene	20	--	0	2	8	--	-1	13	--	17
Other Liquids	--	32	--	500	1,776	271	-210	2,796	52	-60
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	32	--	12	281	23	-6	352	3	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	32	--	12	281	19	-6	349	3	0
Fuel Ethanol	--	28	--	--	277	36	2	336	2	0
Renewable Fuels Except Fuel Ethanol	--	5	--	12	4	-16	-8	13	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	80	-2	--	-11	100	49	-60
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	408	1,496	248	-192	2,344	1	0
Reformulated	--	--	--	190	217	114	-78	599	0	0
Conventional	--	0	--	218	1,279	135	-114	1,746	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,748	327	1,586	-268	-338	--	131	5,600
Finished Motor Gasoline	--	--	3,199	50	299	-284	-49	--	14	3,299
Reformulated	--	--	1,272	--	--	-104	0	--	--	1,169
Conventional	--	--	1,927	50	299	-181	-49	--	14	2,131
Finished Aviation Gasoline	--	--	--	0	29	--	-1	--	--	31
Kerosene-Type Jet Fuel	--	--	72	38	471	--	-28	--	5	604
Kerosene	--	--	0	5	--	--	2	--	0	4
Distillate Fuel Oil ⁶	--	--	289	97	757	16	-288	--	43	1,405
15 ppm sulfur and under	--	--	217	69	682	16	-191	--	0	1,175
Greater than 15 ppm to 500 ppm sulfur	--	--	8	2	7	--	-37	--	39	15
Greater than 500 ppm sulfur	--	--	63	26	69	--	-60	--	3	215
Residual Fuel Oil ⁷	--	--	36	94	--	--	-14	--	48	96
Less than 0.31 percent sulfur	--	--	11	11	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	4	5	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	78	--	--	-8	--	NA	NA
Petrochemical Feedstocks	--	--	5	--	-1	--	2	--	--	1
Naphtha for Petro. Feed. Use	--	--	5	--	--	--	2	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas	--	--	1	--	--	--	0	--	--	0
Lubricants	--	--	13	10	21	--	1	--	6	37
Waxes	--	--	0	2	--	--	-1	--	2	1
Petroleum Coke	--	--	33	6	--	--	--	--	9	30
Marketable	--	--	13	6	--	--	--	--	9	10
Catalyst	--	--	20	--	--	--	--	--	--	20
Asphalt and Road Oil	--	--	54	24	9	--	39	--	3	45
Still Gas	--	--	44	--	--	--	--	--	--	44
Miscellaneous Products	--	--	3	--	--	--	0	--	0	2
Total	442	32	3,771	1,631	3,452	69	-512	3,721	308	5,879

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	44	--	--	801	154	54	73	953	27	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	389	-1	14	70	24	--	-34	40	170	322
Pentanes Plus	37	-1	--	--	0	--	0	7	89	-59
Liquefied Petroleum Gases	351	--	14	70	25	--	-34	33	81	381
Ethane/Ethylene	164	--	1	--	-123	--	1	--	36	4
Propane/Propylene	129	--	32	67	127	--	-34	--	43	346
Normal Butane/Butylene	39	--	-18	0	15	--	-1	20	1	16
Isobutane/Isobutylene	19	--	0	3	6	--	0	13	0	14
Other Liquids	--	31	--	572	1,786	282	54	2,602	63	-48
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	31	--	11	304	10	17	338	1	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	31	--	11	304	6	17	335	1	0
Fuel Ethanol	--	28	--	--	299	19	24	322	1	0
Renewable Fuels Except Fuel Ethanol	--	4	--	11	5	-13	-7	13	0	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	105	-1	--	17	73	61	-48
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	455	1,483	272	20	2,191	0	0
Reformulated	--	--	--	207	243	124	4	568	0	0
Conventional	--	0	--	249	1,241	149	16	1,622	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,632	353	1,592	-279	-172	--	149	5,322
Finished Motor Gasoline	--	--	3,073	36	296	-292	-17	--	20	3,110
Reformulated	--	--	1,238	--	--	-116	0	--	--	1,122
Conventional	--	--	1,835	36	296	-176	-17	--	20	1,988
Finished Aviation Gasoline	--	--	--	0	25	--	0	--	--	25
Kerosene-Type Jet Fuel	--	--	73	49	446	--	-4	--	2	570
Kerosene	--	--	3	2	--	--	1	--	0	4
Distillate Fuel Oil ⁶	--	--	300	153	799	13	-164	--	52	1,376
15 ppm sulfur and under	--	--	219	108	728	13	-105	--	25	1,148
Greater than 15 ppm to 500 ppm sulfur	--	--	12	1	5	--	-31	--	26	24
Greater than 500 ppm sulfur	--	--	68	43	65	--	-28	--	1	204
Residual Fuel Oil ⁷	--	--	40	86	-1	--	-17	--	46	96
Less than 0.31 percent sulfur	--	--	13	4	-1	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	8	6	--	--	-5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	76	--	--	-14	--	NA	NA
Petrochemical Feedstocks	--	--	3	--	-1	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	3	--	--	--	0	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	13	7	18	--	-1	--	6	32
Waxes	--	--	0	2	--	--	0	--	2	0
Petroleum Coke	--	--	36	2	--	--	--	--	15	22
Marketable	--	--	14	2	--	--	--	--	15	0
Catalyst	--	--	22	--	--	--	--	--	--	22
Asphalt and Road Oil	--	--	43	18	11	--	29	--	3	39
Still Gas	--	--	43	--	--	--	--	--	--	43
Miscellaneous Products	--	--	3	--	--	--	0	--	1	3
Total	433	31	3,646	1,796	3,556	58	-80	3,595	408	5,596

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	51,182	--	--	80,630	-2,400	-4,825	3,921	114,641	6,025	0	156,308
Natural Gas Plant Liquids and Liquefied Refinery Gases	25,000	-619	3,669	2,775	-12,003	--	-2,449	2,804	6,444	12,023	34,358
Pentanes Plus	2,702	-619	--	6	4,634	--	-450	631	4,947	1,595	9,664
Liquefied Petroleum Gases	22,298	--	3,669	2,769	-16,637	--	-1,999	2,173	1,497	10,428	24,694
Ethane/Ethylene	8,343	--	--	--	-3,986	--	-179	--	949	3,587	5,948
Propane/Propylene	9,364	--	3,809	2,428	-10,861	--	-2,066	--	236	6,570	11,578
Normal Butane/Butylene	3,057	--	40	198	-1,807	--	233	763	312	180	5,279
Isobutane/Isobutylene	1,534	--	-180	143	17	--	13	1,410	0	91	1,889
Other Liquids	--	31,255	--	111	-14,319	-3,368	-3,025	16,129	781	-206	74,078
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	31,256	--	47	-20,528	-1,398	-388	9,187	579	0	9,272
Hydrogen	--	--	--	--	--	1,173	--	1,173	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2	--	--	--	1	1	--	2	0	1
Renewable Fuels (including Fuel Ethanol)	--	31,254	--	46	-20,528	-2,604	-403	7,994	577	0	9,237
Fuel Ethanol	--	29,431	--	--	-19,918	-1,818	-358	7,580	473	0	8,236
Renewable Fuels Except Fuel Ethanol	--	1,823	--	46	-610	-787	-45	414	104	0	1,001
Other Hydrocarbons	--	--	--	1	--	33	14	20	--	0	34
Unfinished Oils	--	--	--	--	-282	--	-123	-97	144	-206	13,810
Motor Gasoline Blend. Comp. (MGBC)	--	-1	--	64	6,491	-1,971	-2,514	7,039	58	0	50,996
Reformulated	--	--	--	--	968	-342	-174	800	0	0	6,646
Conventional	--	-1	--	64	5,523	-1,629	-2,340	6,239	58	0	44,350
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	81	137,049	715	3,710	4,596	-1,872	--	1,267	146,756	64,437
Finished Motor Gasoline	--	81	78,649	--	580	3,788	-465	--	396	83,167	5,989
Reformulated	--	--	11,314	--	--	327	--	--	--	11,641	--
Conventional	--	81	67,335	--	580	3,461	-465	--	396	71,526	5,989
Finished Aviation Gasoline	--	--	70	--	30	--	42	--	--	58	224
Kerosene-Type Jet Fuel	--	--	7,746	--	422	--	-532	--	41	8,659	7,644
Kerosene	--	--	2	--	--	--	-27	--	4	25	114
Distillate Fuel Oil	--	--	32,680	4	3,107	808	-2,148	--	162	38,585	33,057
15 ppm sulfur and under	--	--	32,732	4	2,995	808	-2,028	--	3	38,563	32,207
Greater than 15 ppm to 500 ppm sulfur	--	--	143	--	49	--	51	--	58	83	461
Greater than 500 ppm sulfur	--	--	-195	--	63	--	-171	--	100	-61	389
Residual Fuel Oil ⁶	--	--	1,546	41	-762	--	38	--	217	570	1,430
Less than 0.31 percent sulfur	--	--	133	--	--	--	29	--	NA	NA	73
0.31 to 1.00 percent sulfur	--	--	300	9	-33	--	34	--	NA	NA	299
Greater than 1.00 percent sulfur	--	--	1,113	32	-672	--	-25	--	NA	NA	1,058
Petrochemical Feedstocks	--	--	903	122	-94	--	5	--	--	926	609
Naphtha for Petro. Feed. Use	--	--	614	77	-90	--	9	--	--	592	460
Other Oils for Petro. Feed. Use	--	--	289	45	-4	--	-4	--	--	334	149
Special Naphthas	--	--	58	52	25	--	-24	--	--	159	96
Lubricants	--	--	284	209	385	--	-11	--	182	707	685
Waxes	--	--	29	3	--	--	4	--	32	-4	48
Petroleum Coke	--	--	5,781	28	--	--	94	--	148	5,567	992
Marketable	--	--	4,397	28	--	--	94	--	148	4,183	992
Catalyst	--	--	1,384	--	--	--	--	--	--	1,384	--
Asphalt and Road Oil	--	--	4,527	256	-9	--	1,175	--	84	3,515	13,454
Still Gas	--	--	4,259	--	--	--	--	--	--	4,259	--
Miscellaneous Products	--	--	515	--	26	--	-23	--	0	564	95
Total	76,182	30,717	140,718	84,231	-25,012	-3,597	-3,425	133,574	14,516	158,574	329,181

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³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

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⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	146,039	--	--	238,257	-18,080	-11,168	5,029	331,622	18,398	0	156,308
Natural Gas Plant Liquids and Liquefied Refinery Gases	69,864	-1,800	6,082	9,415	-27,295	--	-13,569	9,756	13,057	47,022	34,358
Pentanes Plus	7,577	-1,800	--	13	14,330	--	372	1,483	7,544	10,721	9,664
Liquefied Petroleum Gases	62,287	--	6,082	9,402	-41,625	--	-13,941	8,273	5,514	36,300	24,694
Ethane/Ethylene	22,918	--	--	--	-10,815	--	267	--	4,527	7,309	5,948
Propane/Propylene	26,371	--	10,565	8,334	-28,233	--	-10,556	--	411	27,182	11,578
Normal Butane/Butylene	8,847	--	-3,957	576	-3,157	--	-3,639	3,927	575	1,446	5,279
Isobutane/Isobutylene	4,151	--	-526	492	580	--	-13	4,346	0	364	1,889
Other Liquids	--	90,825	--	1,006	-40,926	-6,217	7,541	36,501	3,423	-2,777	74,078
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	90,829	--	95	-60,433	-1,359	1,472	25,908	1,753	0	9,272
Hydrogen	--	--	--	--	--	3,512	--	3,512	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	8	--	--	--	-4	1	--	3	0	1
Renewable Fuels (including Fuel Ethanol)	--	90,821	--	64	-60,433	-4,946	1,454	22,302	1,750	0	9,237
Fuel Ethanol	--	85,859	--	64	-58,789	-3,098	1,142	21,196	1,634	0	8,236
Renewable Fuels Except Fuel Ethanol	--	4,962	--	64	-1,644	-1,848	312	1,106	116	0	1,001
Other Hydrocarbons	--	--	--	31	--	80	17	94	--	0	34
Unfinished Oils	--	--	--	--	-810	--	673	-315	1,609	-2,777	13,810
Motor Gasoline Blend. Comp. (MGBC)	--	-4	--	911	20,317	-4,858	5,396	10,908	62	0	50,996
Reformulated	--	-1	--	--	3,446	-1,965	99	1,381	0	0	6,646
Conventional	--	-3	--	911	16,871	-2,893	5,297	9,527	62	0	44,350
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	245	392,526	2,229	7,247	9,846	3,004	--	4,118	404,971	64,437
Finished Motor Gasoline	--	245	221,400	--	-227	7,956	-1,258	--	492	230,141	5,989
Reformulated	--	--	31,901	--	--	2,205	--	--	--	34,106	--
Conventional	--	245	189,499	--	-227	5,751	-1,258	--	492	196,035	5,989
Finished Aviation Gasoline	--	--	148	1	162	--	13	--	--	298	224
Kerosene-Type Jet Fuel	--	--	22,365	5	1,876	--	815	--	815	22,616	7,644
Kerosene	--	--	174	--	--	--	-82	--	5	251	114
Distillate Fuel Oil	--	--	96,463	119	7,276	1,889	495	--	964	104,288	33,057
15 ppm sulfur and under	--	--	96,811	108	6,992	1,889	919	--	6	104,875	32,207
Greater than 15 ppm to 500 ppm sulfur	--	--	413	--	209	--	11	--	676	-65	461
Greater than 500 ppm sulfur	--	--	-761	11	75	--	-435	--	282	-522	389
Residual Fuel Oil ⁶	--	--	4,722	261	-2,494	--	-59	--	811	1,737	1,430
Less than 0.31 percent sulfur	--	--	287	--	--	--	41	--	NA	NA	73
0.31 to 1.00 percent sulfur	--	--	795	51	-95	--	12	--	NA	NA	299
Greater than 1.00 percent sulfur	--	--	3,640	210	-2,311	--	-112	--	NA	NA	1,058
Petrochemical Feedstocks	--	--	2,894	437	-336	--	76	--	--	2,919	609
Naphtha for Petro. Feed. Use	--	--	2,106	236	-253	--	69	--	--	2,020	460
Other Oils for Petro. Feed. Use	--	--	788	201	-83	--	7	--	--	899	149
Special Naphthas	--	--	146	122	69	--	-65	--	--	402	96
Lubricants	--	--	724	587	793	--	-55	--	517	1,642	685
Waxes	--	--	96	11	--	--	4	--	77	26	48
Petroleum Coke	--	--	17,145	69	--	--	-86	--	237	17,063	992
Marketable	--	--	12,924	69	--	--	-86	--	237	12,842	992
Catalyst	--	--	4,221	--	--	--	--	--	--	4,221	--
Asphalt and Road Oil	--	--	12,421	617	72	--	3,234	--	199	9,677	13,454
Still Gas	--	--	12,368	--	--	--	--	--	--	12,368	--
Miscellaneous Products	--	--	1,460	--	56	--	-28	--	0	1,544	95
Total	215,903	89,270	398,608	250,907	-79,054	-7,539	2,005	377,879	38,996	449,216	329,181

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,651	--	--	2,601	-77	-156	126	3,698	194	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	806	-20	118	90	-387	--	-79	90	208	388
Pentanes Plus	87	-20	--	0	149	--	-15	20	160	51
Liquefied Petroleum Gases	719	--	118	89	-537	--	-64	70	48	336
Ethane/Ethylene	269	--	--	--	-129	--	-6	--	31	116
Propane/Propylene	302	--	123	78	-350	--	-67	--	8	212
Normal Butane/Butylene	99	--	1	6	-58	--	8	25	10	6
Isobutane/Isobutylene	49	--	-6	5	1	--	0	45	0	3
Other Liquids	--	1,008	--	4	-462	-109	-98	520	25	-7
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,008	--	2	-662	-45	-13	296	19	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	0	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,008	--	1	-662	-84	-13	258	19	0
Fuel Ethanol	--	949	--	--	-643	-59	-12	245	15	0
Renewable Fuels Except Fuel Ethanol	--	59	--	1	-20	-25	-1	13	3	0
Other Hydrocarbons	--	--	--	0	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	-9	--	-4	-3	5	-7
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	2	209	-64	-81	227	2	0
Reformulated	--	--	--	--	31	-11	-6	26	0	0
Conventional	--	0	--	2	178	-53	-75	201	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	3	4,421	23	120	148	-60	--	41	4,734
Finished Motor Gasoline	--	3	2,537	--	19	122	-15	--	13	2,683
Reformulated	--	--	365	--	--	11	--	--	--	376
Conventional	--	3	2,172	--	19	112	-15	--	13	2,307
Finished Aviation Gasoline	--	--	2	--	1	--	1	--	--	2
Kerosene-Type Jet Fuel	--	--	250	--	14	--	-17	--	1	279
Kerosene	--	--	0	--	--	--	-1	--	0	1
Distillate Fuel Oil	--	--	1,054	0	100	26	-69	--	5	1,245
15 ppm sulfur and under	--	--	1,056	0	97	26	-65	--	0	1,244
Greater than 15 ppm to 500 ppm sulfur	--	--	5	--	2	--	2	--	2	3
Greater than 500 ppm sulfur	--	--	-6	--	2	--	-6	--	3	-2
Residual Fuel Oil ⁶	--	--	50	1	-25	--	1	--	7	18
Less than 0.31 percent sulfur	--	--	4	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	10	0	-1	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	36	1	-22	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	29	4	-3	--	0	--	--	30
Naphtha for Petro. Feed. Use	--	--	20	2	-3	--	0	--	--	19
Other Oils for Petro. Feed. Use	--	--	9	1	0	--	0	--	--	11
Special Naphthas	--	--	2	2	1	--	-1	--	--	5
Lubricants	--	--	9	7	12	--	0	--	6	23
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	186	1	--	--	3	--	5	180
Marketable	--	--	142	1	--	--	3	--	5	135
Catalyst	--	--	45	--	--	--	--	--	--	45
Asphalt and Road Oil	--	--	146	8	0	--	38	--	3	113
Still Gas	--	--	137	--	--	--	--	--	--	137
Miscellaneous Products	--	--	17	--	1	--	-1	--	0	18
Total	2,457	991	4,539	2,717	-807	-116	-110	4,309	468	5,115

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,623	--	--	2,647	-201	-124	56	3,685	204	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	776	-20	68	105	-303	--	-151	108	145	522
Pentanes Plus	84	-20	--	0	159	--	4	16	84	119
Liquefied Petroleum Gases	692	--	68	104	-463	--	-155	92	61	403
Ethane/Ethylene	255	--	--	--	-120	--	3	--	50	81
Propane/Propylene	293	--	117	93	-314	--	-117	--	5	302
Normal Butane/Butylene	98	--	-44	6	-35	--	-40	44	6	16
Isobutane/Isobutylene	46	--	-6	5	6	--	0	48	0	4
Other Liquids	--	1,009	--	11	-455	-69	84	406	38	-31
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,009	--	1	-671	-15	16	288	19	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	0	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,009	--	1	-671	-55	16	248	19	0
Fuel Ethanol	--	954	--	--	-653	-34	13	236	18	0
Renewable Fuels Except Fuel Ethanol	--	55	--	1	-18	-21	3	12	1	0
Other Hydrocarbons	--	--	--	0	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	-9	--	7	-4	18	-31
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	10	226	-54	60	121	1	0
Reformulated	--	0	--	--	38	-22	1	15	0	0
Conventional	--	0	--	10	187	-32	59	106	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	3	4,361	25	81	109	33	--	46	4,500
Finished Motor Gasoline	--	3	2,460	--	-3	88	-14	--	5	2,557
Reformulated	--	--	354	--	--	24	--	--	--	379
Conventional	--	3	2,106	--	-3	64	-14	--	5	2,178
Finished Aviation Gasoline	--	--	2	0	2	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	249	0	21	--	9	--	9	251
Kerosene	--	--	2	--	--	--	-1	--	0	3
Distillate Fuel Oil	--	--	1,072	1	81	21	6	--	11	1,159
15 ppm sulfur and under	--	--	1,076	1	78	21	10	--	0	1,165
Greater than 15 ppm to 500 ppm sulfur	--	--	5	--	2	--	0	--	8	-1
Greater than 500 ppm sulfur	--	--	-8	0	1	--	-5	--	3	-6
Residual Fuel Oil ⁶	--	--	52	3	-28	--	-1	--	9	19
Less than 0.31 percent sulfur	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	1	-1	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	40	2	-26	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	32	5	-4	--	1	--	--	32
Naphtha for Petro. Feed. Use	--	--	23	3	-3	--	1	--	--	22
Other Oils for Petro. Feed. Use	--	--	9	2	-1	--	0	--	--	10
Special Naphthas	--	--	2	1	1	--	-1	--	--	4
Lubricants	--	--	8	7	9	--	-1	--	6	18
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	191	1	--	--	-1	--	3	190
Marketable	--	--	144	1	--	--	-1	--	3	143
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	138	7	1	--	36	--	2	108
Still Gas	--	--	137	--	--	--	--	--	--	137
Miscellaneous Products	--	--	16	--	1	--	0	--	0	17
Total	2,399	992	4,429	2,788	-878	-84	22	4,199	433	4,991

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	177,738	--	--	95,857	7,485	4,004	2,461	262,960	19,663	0	973,777
Natural Gas Plant Liquids and Liquefied Refinery Gases	61,716	-17	14,060	167	21,583	--	-1,735	9,087	35,606	54,551	107,535
Pentanes Plus	6,473	-17	--	--	-3,298	--	-866	3,382	15	627	11,326
Liquefied Petroleum Gases	55,243	--	14,060	167	24,881	--	-869	5,705	35,591	53,924	96,209
Ethane/Ethylene	26,238	--	55	--	10,996	--	1,802	--	3,052	32,435	47,375
Propane/Propylene	18,761	--	11,614	--	11,230	--	-2,937	--	27,653	16,889	28,104
Normal Butane/Butylene	4,558	--	1,887	167	2,286	--	-84	2,610	4,744	1,628	14,436
Isobutane/Isobutylene	5,686	--	504	--	369	--	350	3,095	142	2,972	6,294
Other Liquids	--	3,405	--	14,792	-51,213	4,366	2,410	-47,941	12,090	4,792	127,229
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	3,405	--	775	5,389	5,528	1,517	9,252	4,328	0	8,432
Hydrogen	--	--	--	--	--	4,078	--	4,078	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,003	--	552	--	188	546	120	2,077	0	1,660
Renewable Fuels (including Fuel Ethanol)	--	1,402	--	221	5,389	1,264	971	5,054	2,251	0	6,772
Fuel Ethanol	--	848	--	--	5,386	1,589	958	4,627	2,238	0	4,363
Renewable Fuels Except Fuel Ethanol	--	554	--	221	3	-325	13	427	13	0	2,409
Other Hydrocarbons	--	--	--	2	--	-2	--	--	--	0	--
Unfinished Oils	--	--	--	13,822	329	--	1,240	2,671	5,446	4,794	47,733
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	195	-56,931	-1,162	-347	-59,866	2,315	0	71,055
Reformulated	--	--	--	--	-9,714	4,418	-94	-5,206	4	0	10,015
Conventional	--	--	--	195	-47,217	-5,580	-253	-54,660	2,311	0	61,040
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	2	--	-2	9
Finished Petroleum Products	--	--	229,024	5,666	-54,259	5	-1,220	--	77,280	104,376	118,034
Finished Motor Gasoline	--	--	67,035	--	-9,611	-427	-1,729	--	16,362	42,364	8,017
Reformulated	--	--	14,641	--	--	-5,197	--	--	--	9,444	--
Conventional	--	--	52,394	--	-9,611	4,769	-1,729	--	16,362	32,919	8,017
Finished Aviation Gasoline	--	--	266	--	-986	--	14	--	--	-734	354
Kerosene-Type Jet Fuel	--	--	27,484	--	-16,036	--	-413	--	4,632	7,229	13,931
Kerosene	--	--	-24	--	--	--	-18	--	107	-113	227
Distillate Fuel Oil	--	--	83,336	299	-27,153	432	552	--	30,255	26,107	48,603
15 ppm sulfur and under	--	--	75,728	--	-24,769	432	703	--	26,242	24,445	42,551
Greater than 15 ppm to 500 ppm sulfur	--	--	3,382	--	-256	--	-266	--	3,160	232	1,659
Greater than 500 ppm sulfur	--	--	4,226	299	-2,128	--	115	--	852	1,430	4,393
Residual Fuel Oil ⁷	--	--	6,918	2,934	762	--	1,898	--	5,602	3,114	25,107
Less than 0.31 percent sulfur	--	--	1,031	200	57	--	-20	--	NA	NA	1,881
0.31 to 1.00 percent sulfur	--	--	497	285	33	--	1,846	--	NA	NA	6,409
Greater than 1.00 percent sulfur	--	--	5,390	2,449	672	--	72	--	NA	NA	16,817
Petrochemical Feedstocks	--	--	9,478	1,296	133	--	-125	--	--	11,032	2,446
Naphtha for Petro. Feed. Use	--	--	5,533	1,229	90	--	-278	--	--	7,130	1,476
Other Oils for Petro. Feed. Use	--	--	3,945	67	43	--	153	--	--	3,902	970
Special Naphthas	--	--	1,037	343	-25	--	22	--	--	1,333	943
Lubricants	--	--	3,776	608	-1,034	--	-1,587	--	3,034	1,903	7,365
Waxes	--	--	132	62	--	--	12	--	16	166	264
Petroleum Coke	--	--	14,553	124	--	--	-309	--	17,132	-2,146	4,621
Marketable	--	--	11,339	124	--	--	-309	--	17,132	-5,360	4,621
Catalyst	--	--	3,214	--	--	--	--	--	--	3,214	--
Asphalt and Road Oil	--	--	2,705	--	-283	--	499	--	131	1,792	5,787
Still Gas	--	--	10,575	--	--	--	--	--	--	10,575	--
Miscellaneous Products	--	--	1,753	--	-26	--	-36	--	10	1,753	369
Total	239,454	3,388	243,084	116,482	-76,404	8,375	1,916	224,106	144,638	163,719	1,326,575

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels)

Commodity	Supply						Disposition					Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵		
Crude Oil⁶	511,397	--	--	288,038	25,996	19,725	32,912	753,422	58,821	0	973,777	
Natural Gas Plant Liquids and Liquefied Refinery Gases	174,136	-52	31,925	1,179	50,157	--	-32,494	28,776	97,236	163,827	107,535	
Pentanes Plus	18,109	-52	--	960	-10,506	--	-3,892	8,699	108	3,596	11,326	
Liquefied Petroleum Gases	156,027	--	31,925	219	60,663	--	-28,602	20,077	97,128	160,231	96,209	
Ethane/Ethylene	73,588	--	385	--	29,527	--	-73	--	5,452	98,121	47,375	
Propane/Propylene	53,475	--	32,401	14	26,179	--	-24,916	--	82,727	54,258	28,104	
Normal Butane/Butylene	11,800	--	-1,426	205	4,253	--	-4,572	10,495	8,495	414	14,436	
Isobutane/Isobutylene	17,164	--	565	--	704	--	959	9,582	455	7,437	6,294	
Other Liquids	--	9,282	--	42,513	-147,530	1,088	7,377	-146,281	36,257	8,000	127,229	
Hydrogen/Oxygenates/Renewables/												
Other Hydrocarbons	--	9,282	--	2,397	18,072	10,782	1,359	26,313	12,861	0	8,432	
Hydrogen	--	--	--	--	--	11,768	--	11,768	--	0	--	
Oxygenates (excluding Fuel Ethanol)	--	6,137	--	1,356	--	-783	183	318	6,209	0	1,660	
Renewable Fuels (including Fuel Ethanol)	--	3,145	--	992	18,072	-154	1,176	14,227	6,652	0	6,772	
Fuel Ethanol	--	1,820	--	771	17,785	93	1,038	12,857	6,574	0	4,363	
Renewable Fuels Except Fuel Ethanol	--	1,325	--	221	287	-247	138	1,370	78	0	2,409	
Other Hydrocarbons	--	--	--	49	--	-49	--	--	--	0	--	
Unfinished Oils	--	--	--	36,683	922	--	6,161	7,425	16,009	8,010	47,733	
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	3,433	-166,524	-9,694	-143	-180,029	7,387	0	71,055	
Reformulated	--	--	--	--	-32,038	14,611	-1,640	-15,805	18	0	10,015	
Conventional	--	--	--	3,433	-134,486	-24,305	1,497	-164,224	7,369	0	61,040	
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	10	--	-10	9	
Finished Petroleum Products	--	--	657,133	15,070	-153,832	10,383	-5,758	--	229,907	304,605	118,034	
Finished Motor Gasoline	--	--	194,416	--	-25,642	9,601	-3,457	--	55,788	126,044	8,017	
Reformulated	--	--	41,020	--	--	-15,921	--	--	--	25,099	--	
Conventional	--	--	153,396	--	-25,642	25,522	-3,457	--	55,788	100,944	8,017	
Finished Aviation Gasoline	--	--	676	--	-2,483	--	-63	--	--	-1,744	354	
Kerosene-Type Jet Fuel	--	--	76,364	--	-44,727	--	-1,135	--	12,268	20,504	13,931	
Kerosene	--	--	136	--	--	--	-19	--	158	-3	227	
Distillate Fuel Oil	--	--	238,061	710	-80,407	782	-189	--	89,117	70,219	48,603	
15 ppm sulfur and under	--	--	216,167	--	-73,851	782	168	--	77,644	65,286	42,551	
Greater than 15 ppm to 500 ppm sulfur	--	--	8,751	--	-670	--	162	--	9,197	-1,278	1,659	
Greater than 500 ppm sulfur	--	--	13,143	710	-5,886	--	-519	--	2,276	6,210	4,393	
Residual Fuel Oil ⁷	--	--	20,094	6,834	2,597	--	751	--	21,360	7,414	25,107	
Less than 0.31 percent sulfur	--	--	3,040	575	191	--	-390	--	NA	NA	1,881	
0.31 to 1.00 percent sulfur	--	--	1,349	285	95	--	1,120	--	NA	NA	6,409	
Greater than 1.00 percent sulfur	--	--	15,705	5,974	2,311	--	21	--	NA	NA	16,817	
Petrochemical Feedstocks	--	--	25,241	3,132	412	--	-101	--	--	28,886	2,446	
Naphtha for Petro. Feed. Use	--	--	16,552	2,563	253	--	16	--	--	19,352	1,476	
Other Oils for Petro. Feed. Use	--	--	8,689	569	159	--	-117	--	--	9,534	970	
Special Naphthas	--	--	2,887	1,286	-69	--	-63	--	--	4,167	943	
Lubricants	--	--	11,914	2,445	-2,426	--	-2,464	--	8,942	5,455	7,365	
Waxes	--	--	360	125	--	--	14	--	61	410	264	
Petroleum Coke	--	--	44,200	538	--	--	73	--	41,296	3,369	4,621	
Marketable	--	--	34,264	538	--	--	73	--	41,296	-6,567	4,621	
Catalyst	--	--	9,936	--	--	--	--	--	--	9,936	--	
Asphalt and Road Oil	--	--	6,460	--	-1,031	--	950	--	786	3,693	5,787	
Still Gas	--	--	31,201	--	--	--	--	--	--	31,201	--	
Miscellaneous Products	--	--	5,123	--	-56	--	-55	--	133	4,989	369	
Total	685,533	9,230	689,058	346,800	-225,210	31,196	2,037	635,917	422,222	476,432	1,326,575	

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	5,733	--	--	3,092	241	129	79	8,483	634	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	1,991	-1	454	5	696	--	-56	293	1,149	1,760
Pentanes Plus	209	-1	--	--	-106	--	-28	109	0	20
Liquefied Petroleum Gases	1,782	--	454	5	803	--	-28	184	1,148	1,739
Ethane/Ethylene	846	--	2	--	355	--	58	--	98	1,046
Propane/Propylene	605	--	375	--	362	--	-95	--	892	545
Normal Butane/Butylene	147	--	61	5	74	--	-3	84	153	53
Isobutane/Isobutylene	183	--	16	--	12	--	11	100	5	96
Other Liquids	--	110	--	477	-1,652	141	78	-1,546	390	155
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	110	--	25	174	178	49	298	140	0
Hydrogen	--	--	--	--	--	132	--	132	--	0
Oxygenates (excluding Fuel Ethanol)	--	65	--	18	--	6	18	4	67	0
Renewable Fuels (including Fuel Ethanol)	--	45	--	7	174	41	31	163	73	0
Fuel Ethanol	--	27	--	--	174	51	31	149	72	0
Renewable Fuels Except Fuel Ethanol	--	18	--	7	0	-10	0	14	0	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	446	11	--	40	86	176	155
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	6	-1,836	-37	-11	-1,931	75	0
Reformulated	--	--	--	--	-313	143	-3	-1,168	0	0
Conventional	--	--	--	6	-1,523	-180	-8	-1,763	75	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	7,388	183	-1,750	0	-39	--	2,493	3,367
Finished Motor Gasoline	--	--	2,162	--	-310	-14	-56	--	528	1,367
Reformulated	--	--	472	--	--	-168	--	--	--	305
Conventional	--	--	1,690	--	-310	154	-56	--	528	1,062
Finished Aviation Gasoline	--	--	9	--	-32	--	0	--	--	-24
Kerosene-Type Jet Fuel	--	--	887	--	-517	--	-13	--	149	233
Kerosene	--	--	-1	--	--	--	-1	--	3	-4
Distillate Fuel Oil	--	--	2,688	10	-876	14	18	--	976	842
15 ppm sulfur and under	--	--	2,443	--	-799	14	23	--	847	789
Greater than 15 ppm to 500 ppm sulfur	--	--	109	--	-8	--	-9	--	102	7
Greater than 500 ppm sulfur	--	--	136	10	-69	--	4	--	27	46
Residual Fuel Oil ⁷	--	--	223	95	25	--	61	--	181	100
Less than 0.31 percent sulfur	--	--	33	6	2	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	16	9	1	--	60	--	NA	NA
Greater than 1.00 percent sulfur	--	--	174	79	22	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	306	42	4	--	-4	--	--	356
Naphtha for Petro. Feed. Use	--	--	178	40	3	--	-9	--	--	230
Other Oils for Petro. Feed. Use	--	--	127	2	1	--	5	--	--	126
Special Naphthas	--	--	33	11	-1	--	1	--	--	43
Lubricants	--	--	122	20	-33	--	-51	--	98	61
Waxes	--	--	4	2	--	--	0	--	1	5
Petroleum Coke	--	--	469	4	--	--	-10	--	553	-69
Marketable	--	--	366	4	--	--	-10	--	553	-173
Catalyst	--	--	104	--	--	--	--	--	--	104
Asphalt and Road Oil	--	--	87	--	-9	--	16	--	4	58
Still Gas	--	--	341	--	--	--	--	--	--	341
Miscellaneous Products	--	--	57	--	-1	--	-1	--	0	57
Total	7,724	109	7,841	3,757	-2,465	270	62	7,229	4,666	5,281

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	5,682	--	--	3,200	289	219	366	8,371	654	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	1,935	-1	355	13	557	--	-361	320	1,080	1,820
Pentanes Plus	201	-1	--	11	-117	--	-43	97	1	40
Liquefied Petroleum Gases	1,734	--	355	2	674	--	-318	223	1,079	1,780
Ethane/Ethylene	818	--	4	--	328	--	-1	--	61	1,090
Propane/Propylene	594	--	360	0	291	--	-277	--	919	603
Normal Butane/Butylene	131	--	-16	2	47	--	-51	117	94	5
Isobutane/Isobutylene	191	--	6	--	8	--	11	106	5	83
Other Liquids	--	103	--	472	-1,639	12	82	-1,625	403	89
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	103	--	27	201	120	15	292	143	0
Hydrogen	--	--	--	--	--	131	--	131	--	0
Oxygenates (excluding Fuel Ethanol)	--	68	--	15	--	-9	2	4	69	0
Renewable Fuels (including Fuel Ethanol)	--	35	--	11	201	-2	13	158	74	0
Fuel Ethanol	--	20	--	9	198	1	12	143	73	0
Renewable Fuels Except Fuel Ethanol	--	15	--	2	3	-3	2	15	1	0
Other Hydrocarbons	--	--	--	1	--	-1	--	--	--	0
Unfinished Oils	--	--	--	408	10	--	68	83	178	89
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	38	-1,850	-108	-2	-2,000	82	0
Reformulated	--	--	--	--	-356	162	-18	-176	0	0
Conventional	--	--	--	38	-1,494	-270	17	-1,825	82	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	7,301	167	-1,709	115	-64	--	2,555	3,384
Finished Motor Gasoline	--	--	2,160	--	-285	107	-38	--	620	1,400
Reformulated	--	--	456	--	--	-177	--	--	--	279
Conventional	--	--	1,704	--	-285	284	-38	--	620	1,122
Finished Aviation Gasoline	--	--	8	--	-28	--	-1	--	--	-19
Kerosene-Type Jet Fuel	--	--	848	--	-497	--	-13	--	136	228
Kerosene	--	--	2	--	--	--	0	--	2	0
Distillate Fuel Oil	--	--	2,645	8	-893	9	-2	--	990	780
15 ppm sulfur and under	--	--	2,402	--	-821	9	2	--	863	725
Greater than 15 ppm to 500 ppm sulfur	--	--	97	--	-7	--	2	--	102	-14
Greater than 500 ppm sulfur	--	--	146	8	-65	--	-6	--	25	69
Residual Fuel Oil ⁷	--	--	223	76	29	--	8	--	237	82
Less than 0.31 percent sulfur	--	--	34	6	2	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	3	1	--	12	--	NA	NA
Greater than 1.00 percent sulfur	--	--	175	66	26	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	280	35	5	--	-1	--	--	321
Naphtha for Petro. Feed. Use	--	--	184	28	3	--	0	--	--	215
Other Oils for Petro. Feed. Use	--	--	97	6	2	--	-1	--	--	106
Special Naphthas	--	--	32	14	-1	--	-1	--	--	46
Lubricants	--	--	132	27	-27	--	-27	--	99	61
Waxes	--	--	4	1	--	--	0	--	1	5
Petroleum Coke	--	--	491	6	--	--	1	--	459	37
Marketable	--	--	381	6	--	--	1	--	459	-73
Catalyst	--	--	110	--	--	--	--	--	--	110
Asphalt and Road Oil	--	--	72	--	-11	--	11	--	9	41
Still Gas	--	--	347	--	--	--	--	--	--	347
Miscellaneous Products	--	--	57	--	-1	--	-1	--	1	55
Total	7,617	103	7,656	3,853	-2,502	347	23	7,066	4,691	5,294

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³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	20,083	--	--	11,690	-13,039	1,269	1,154	18,783	66	0	25,428
Natural Gas Plant Liquids and Liquefied Refinery Gases	11,699	-9	467	320	-10,020	--	10	657	65	1,725	2,515
Pentanes Plus	1,791	-9	--	--	-1,326	--	8	176	34	238	313
Liquefied Petroleum Gases	9,908	--	467	320	-8,694	--	2	481	32	1,486	2,202
Ethane/Ethylene	3,196	--	--	--	-2,880	--	-13	--	--	329	467
Propane/Propylene	4,277	--	337	277	-3,716	--	-64	--	0	1,239	863
Normal Butane/Butylene	1,640	--	114	15	-1,334	--	85	236	31	83	630
Isobutane/Isobutylene	795	--	16	28	-764	--	-6	245	--	-164	242
Other Liquids	--	431	--	4	-308	-255	-109	-58	15	24	9,438
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	431	--	4	280	380	-33	1,128	--	0	354
Hydrogen	--	--	--	--	--	216	--	216	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	431	--	4	280	164	-33	912	--	0	354
Fuel Ethanol	--	431	--	--	261	151	-31	874	--	0	342
Renewable Fuels Except Fuel Ethanol	--	--	--	4	19	13	-2	38	--	0	12
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	272	-311	15	24	2,892
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	-588	-635	-348	-875	0	0	6,192
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-588	-635	-348	-875	0	0	6,192
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	19,858	111	143	471	100	--	33	20,450	9,169
Finished Motor Gasoline	--	--	9,457	--	-515	484	-168	--	1	9,593	1,748
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,457	--	-515	484	-168	--	1	9,593	1,748
Finished Aviation Gasoline	--	--	7	--	--	--	0	--	--	7	11
Kerosene-Type Jet Fuel	--	--	979	7	683	--	23	--	--	1,646	598
Kerosene	--	--	--	--	--	--	0	--	--	0	2
Distillate Fuel Oil	--	--	6,388	7	-25	-13	43	--	--	6,314	4,087
15 ppm sulfur and under	--	--	6,352	7	38	-13	7	--	--	6,377	3,829
Greater than 15 ppm to 500 ppm sulfur	--	--	20	--	--	--	20	--	--	0	210
Greater than 500 ppm sulfur	--	--	16	--	-63	--	16	--	--	-63	48
Residual Fuel Oil ⁶	--	--	343	--	--	--	-27	--	19	351	257
Less than 0.31 percent sulfur	--	--	178	--	--	--	-1	--	NA	NA	32
0.31 to 1.00 percent sulfur	--	--	15	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	150	--	--	--	-26	--	NA	NA	221
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	12	-12	--
Waxes	--	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	876	--	--	--	29	--	--	847	205
Marketable	--	--	629	--	--	--	29	--	--	600	205
Catalyst	--	--	247	--	--	--	--	--	--	247	--
Asphalt and Road Oil	--	--	947	96	--	--	201	--	1	841	2,239
Still Gas	--	--	746	--	--	--	--	--	--	746	--
Miscellaneous Products	--	--	115	1	--	--	-1	--	--	117	22
Total	31,782	422	20,325	12,125	-23,223	1,485	1,155	19,382	180	22,199	46,550

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	56,785	--	--	33,783	-35,309	1,317	2,108	54,315	153	0	25,428
Natural Gas Plant Liquids and Liquefied Refinery Gases	32,829	-28	796	1,397	-27,961	--	-830	1,856	1,123	4,884	2,515
Pentanes Plus	5,095	-28	--	--	-3,794	--	9	412	1,078	-226	313
Liquefied Petroleum Gases	27,734	--	796	1,397	-24,167	--	-839	1,444	45	5,110	2,202
Ethane/Ethylene	8,525	--	--	--	-7,614	--	31	--	--	880	467
Propane/Propylene	12,251	--	911	1,311	-10,331	--	-490	--	0	4,632	863
Normal Butane/Butylene	4,717	--	-161	46	-3,985	--	-364	855	45	81	630
Isobutane/Isobutylene	2,241	--	46	40	-2,237	--	-16	589	--	-483	242
Other Liquids	--	1,282	--	33	-859	-402	570	-742	53	173	9,438
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,282	--	15	831	1,078	-13	3,219	0	0	354
Hydrogen	--	--	--	--	--	648	--	648	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,282	--	15	831	430	-13	2,571	0	0	354
Fuel Ethanol	--	1,282	--	--	755	419	-11	2,467	--	0	342
Renewable Fuels Except Fuel Ethanol	--	--	--	15	77	10	-2	104	0	0	12
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	63	-289	53	173	2,892
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	18	-1,690	-1,480	520	-3,672	0	0	6,192
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-1,690	-1,480	520	-3,672	0	0	6,192
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	57,429	232	-948	1,050	176	--	96	57,491	9,169
Finished Motor Gasoline	--	--	26,954	--	-1,630	1,061	-490	--	1	26,874	1,748
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	26,954	--	-1,630	1,061	-490	--	1	26,874	1,748
Finished Aviation Gasoline	--	--	14	--	--	--	2	--	--	12	11
Kerosene-Type Jet Fuel	--	--	2,771	15	1,967	--	-2	--	--	4,755	598
Kerosene	--	--	2	--	--	--	1	--	--	1	2
Distillate Fuel Oil	--	--	18,576	25	-1,285	-10	-229	--	--	17,535	4,087
15 ppm sulfur and under	--	--	18,516	25	-1,210	-10	-213	--	--	17,534	3,829
Greater than 15 ppm to 500 ppm sulfur	--	--	74	--	--	--	-10	--	--	84	210
Greater than 500 ppm sulfur	--	--	-14	--	-75	--	-6	--	--	-83	48
Residual Fuel Oil ⁶	--	--	1,044	--	--	--	33	--	58	953	257
Less than 0.31 percent sulfur	--	--	606	--	--	--	-2	--	NA	NA	32
0.31 to 1.00 percent sulfur	--	--	36	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	402	--	--	--	35	--	NA	NA	221
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	30	-30	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	2,494	--	--	--	61	--	0	2,433	205
Marketable	--	--	1,774	--	--	--	61	--	0	1,713	205
Catalyst	--	--	720	--	--	--	--	--	--	720	--
Asphalt and Road Oil	--	--	3,084	189	--	--	795	--	6	2,472	2,239
Still Gas	--	--	2,167	--	--	--	--	--	--	2,167	--
Miscellaneous Products	--	--	323	3	--	--	5	--	--	321	22
Total	89,614	1,254	58,225	35,445	-65,076	1,965	2,024	55,429	1,426	62,548	46,550

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	648	--	--	377	-421	41	37	606	2	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	377	0	15	10	-323	--	0	21	2	56
Pentanes Plus	58	0	--	--	-43	--	0	6	1	8
Liquefied Petroleum Gases	320	--	15	10	-280	--	0	16	1	48
Ethane/Ethylene	103	--	--	--	-93	--	0	--	--	11
Propane/Propylene	138	--	11	9	-120	--	-2	--	0	40
Normal Butane/Butylene	53	--	4	0	-43	--	3	8	1	3
Isobutane/Isobutylene	26	--	1	1	-25	--	0	8	--	-5
Other Liquids	--	14	--	0	-10	-8	-4	-2	0	1
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	9	12	-1	36	--	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	9	5	-1	29	--	0
Fuel Ethanol	--	14	--	--	8	5	-1	28	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	0	0	1	--	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	9	-10	0	1
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	-19	-20	-11	-28	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-19	-20	-11	-28	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	641	4	5	15	3	--	1	660
Finished Motor Gasoline	--	--	305	--	-17	16	-5	--	0	309
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	305	--	-17	16	-5	--	0	309
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	32	0	22	--	1	--	--	53
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	206	0	-1	0	1	--	--	204
15 ppm sulfur and under	--	--	205	0	1	0	0	--	--	206
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	1	--	--	0
Greater than 500 ppm sulfur	--	--	1	--	-2	--	1	--	--	-2
Residual Fuel Oil ⁶	--	--	11	--	--	--	-1	--	1	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	28	--	--	--	1	--	--	27
Marketable	--	--	20	--	--	--	1	--	--	19
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	31	3	--	--	6	--	0	27
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
Total	1,025	14	656	391	-749	48	37	625	6	716

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	631	--	--	375	-392	15	23	604	2	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	365	0	9	16	-311	--	-9	21	12	54
Pentanes Plus	57	0	--	--	-42	--	0	5	12	-3
Liquefied Petroleum Gases	308	--	9	16	-269	--	-9	16	1	57
Ethane/Ethylene	95	--	--	--	-85	--	0	--	--	10
Propane/Propylene	136	--	10	15	-115	--	-5	--	0	51
Normal Butane/Butylene	52	--	-2	1	-44	--	-4	10	0	1
Isobutane/Isobutylene	25	--	1	0	-25	--	0	7	--	-5
Other Liquids	--	14	--	0	-10	-4	6	-8	1	2
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	9	12	0	36	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	9	5	0	29	0	0
Fuel Ethanol	--	14	--	--	8	5	0	27	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	0	0	1	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	1	-3	1	2
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	0	-19	-16	6	-41	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-19	-16	6	-41	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	638	3	-11	12	2	--	1	639
Finished Motor Gasoline	--	--	299	--	-18	12	-5	--	0	299
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	299	--	-18	12	-5	--	0	299
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	31	0	22	--	0	--	--	53
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	206	0	-14	0	-3	--	--	195
15 ppm sulfur and under	--	--	206	0	-13	0	-2	--	--	195
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	0	--	-1	--	0	--	--	-1
Residual Fuel Oil ⁶	--	--	12	--	--	--	0	--	1	11
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	28	--	--	--	1	--	0	27
Marketable	--	--	20	--	--	--	1	--	0	19
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	34	2	--	--	9	--	0	27
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
Total	996	14	647	394	-723	22	22	616	16	695

-- = Not Applicable.
- = No Data Reported.
NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.
⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	31,682	--	--	37,979	4,723	-298	1,202	72,884	--	0	55,069
Natural Gas Plant Liquids and Liquefied Refinery Gases	2,220	-13	2,131	1,223	880	--	-34	2,478	1,598	2,399	2,379
Pentanes Plus	1,080	-13	--	--	--	--	1	953	18	95	47
Liquefied Petroleum Gases	1,140	--	2,131	1,223	880	--	-35	1,525	1,580	2,304	2,332
Ethane/Ethylene	1	--	--	--	--	--	--	--	0	1	--
Propane/Propylene	336	--	1,473	926	444	--	-288	--	1,121	2,346	484
Normal Butane/Butylene	444	--	540	291	297	--	333	791	458	-10	1,404
Isobutane/Isobutylene	359	--	118	6	139	--	-80	734	--	-32	444
Other Liquids	--	831	--	5,379	10,791	-1,990	-933	15,427	663	-145	50,409
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	831	--	456	6,147	-254	19	6,886	276	0	3,885
Hydrogen	--	--	--	--	--	1,212	--	1,212	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol)	--	831	--	456	6,147	-1,467	19	5,674	275	0	3,885
Fuel Ethanol	--	591	--	--	5,698	-943	97	4,984	265	0	2,414
Renewable Fuels Except Fuel Ethanol	--	240	--	456	449	-524	-78	690	10	0	1,471
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,882	--	--	42	3,846	139	-145	18,862
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,041	4,644	-1,736	-994	4,695	248	0	27,662
Reformulated	--	--	--	--	2,025	563	-46	2,634	0	0	13,712
Conventional	--	--	--	1,041	2,619	-2,299	-948	2,061	248	0	13,950
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	94,393	3,868	1,234	3,042	-799	--	11,314	92,022	33,619
Finished Motor Gasoline	--	--	50,540	25	272	2,679	-109	--	1,094	52,531	2,024
Reformulated	--	--	35,737	--	--	-363	-6	--	--	35,380	12
Conventional	--	--	14,803	25	272	3,042	-103	--	1,094	17,151	2,012
Finished Aviation Gasoline	--	--	1	--	47	--	21	--	--	27	215
Kerosene-Type Jet Fuel	--	--	13,537	2,627	324	--	159	--	854	15,475	9,409
Kerosene	--	--	11	--	--	--	-4	--	3	12	14
Distillate Fuel Oil	--	--	16,843	47	591	363	-676	--	4,314	14,206	13,105
15 ppm sulfur and under	--	--	16,192	37	591	363	-546	--	2,709	15,020	12,171
Greater than 15 ppm to 500 ppm sulfur	--	--	234	--	--	--	-11	--	220	25	210
Greater than 500 ppm sulfur	--	--	417	10	--	--	-119	--	1,385	-839	724
Residual Fuel Oil ⁶	--	--	3,311	973	--	--	-276	--	332	4,228	4,502
Less than 0.31 percent sulfur	--	--	10	--	--	--	-118	--	NA	NA	346
0.31 to 1.00 percent sulfur	--	--	612	--	--	--	-161	--	NA	NA	536
Greater than 1.00 percent sulfur	--	--	2,689	973	--	--	3	--	NA	NA	3,614
Petrochemical Feedstocks	--	--	3	45	--	--	0	--	--	48	1
Naphtha for Petro. Feed. Use	--	--	3	45	--	--	0	--	--	48	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	34	--	--	--	-24	--	--	58	38
Lubricants	--	--	664	19	--	--	55	--	273	355	771
Waxes	--	--	--	8	--	--	--	--	5	3	--
Petroleum Coke	--	--	4,501	39	--	--	-93	--	4,403	230	1,167
Marketable	--	--	3,476	39	--	--	-93	--	4,403	-795	1,167
Catalyst	--	--	1,025	--	--	--	--	--	--	1,025	--
Asphalt and Road Oil	--	--	757	85	--	--	133	--	36	673	2,270
Still Gas	--	--	3,756	--	--	--	--	--	--	3,756	--
Miscellaneous Products	--	--	435	--	--	--	15	--	0	420	103
Total	33,902	818	96,524	48,449	17,628	755	-564	90,789	13,576	94,276	141,476

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	91,458	--	--	99,779	13,573	6,035	3,364	207,056	425	0	55,069
Natural Gas Plant Liquids and Liquefied Refinery Gases	6,397	-37	3,446	3,632	2,904	--	-2,019	8,660	3,126	6,575	2,379
Pentanes Plus	3,118	-37	--	--	--	--	12	2,762	53	254	47
Liquefied Petroleum Gases	3,279	--	3,446	3,632	2,904	--	-2,031	5,898	3,073	6,321	2,332
Ethane/Ethylene	3	--	--	--	--	--	--	--	0	3	--
Propane/Propylene	965	--	4,111	2,958	954	--	-1,091	--	2,613	7,466	484
Normal Butane/Butylene	1,254	--	-877	628	1,502	--	-912	3,775	460	-816	1,404
Isobutane/Isobutylene	1,057	--	212	46	448	--	-28	2,123	--	-332	444
Other Liquids	--	2,267	--	13,406	28,570	-2,302	671	38,568	2,249	453	50,409
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	2,267	--	1,099	14,176	1,843	-165	18,521	1,029	0	3,885
Hydrogen	--	--	--	--	--	2,982	--	2,982	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	5	--	--	5	0	--
Renewable Fuels (including Fuel Ethanol) ...	--	2,267	--	1,099	14,176	-1,144	-165	15,539	1,024	0	3,885
Fuel Ethanol	--	1,680	--	--	13,326	-265	-59	13,803	997	0	2,414
Renewable Fuels Except Fuel Ethanol	--	587	--	1,099	850	-879	-106	1,736	27	0	1,471
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	10,433	--	--	290	9,354	336	453	18,862
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,874	14,394	-4,144	546	10,693	885	0	27,662
Reformulated	--	--	--	--	6,750	-80	-612	7,281	1	0	13,712
Conventional	--	--	--	1,874	7,644	-4,065	1,158	3,412	883	0	13,950
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	268,054	13,359	4,254	5,045	925	--	34,078	255,709	33,619
Finished Motor Gasoline	--	--	141,765	389	894	4,409	-135	--	5,327	142,266	2,024
Reformulated	--	--	98,940	--	--	-162	-4	--	--	98,782	12
Conventional	--	--	42,825	389	894	4,571	-131	--	5,327	43,484	2,012
Finished Aviation Gasoline	--	--	2	--	80	--	22	--	--	60	215
Kerosene-Type Jet Fuel	--	--	38,864	7,909	757	--	206	--	2,656	44,668	9,409
Kerosene	--	--	59	--	--	--	-33	--	9	83	14
Distillate Fuel Oil	--	--	47,615	669	2,523	635	270	--	11,699	39,473	13,105
15 ppm sulfur and under	--	--	45,421	623	2,523	635	321	--	7,346	41,535	12,171
Greater than 15 ppm to 500 ppm sulfur	--	--	801	--	--	--	-57	--	779	79	210
Greater than 500 ppm sulfur	--	--	1,393	46	--	--	6	--	3,574	-2,141	724
Residual Fuel Oil ⁶	--	--	11,966	3,766	--	--	24	--	1,403	14,305	4,502
Less than 0.31 percent sulfur	--	--	10	--	--	--	212	--	NA	NA	346
0.31 to 1.00 percent sulfur	--	--	2,023	--	--	--	-313	--	NA	NA	536
Greater than 1.00 percent sulfur	--	--	9,933	3,766	--	--	125	--	NA	NA	3,614
Petrochemical Feedstocks	--	--	9	119	--	--	0	--	--	128	1
Naphtha for Petro. Feed. Use	--	--	9	119	--	--	0	--	--	128	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	97	--	--	--	9	--	--	88	38
Lubricants	--	--	1,480	45	--	--	173	--	513	839	771
Waxes	--	--	--	82	--	--	--	--	18	64	--
Petroleum Coke	--	--	12,917	94	--	--	-46	--	12,374	683	1,167
Marketable	--	--	10,009	94	--	--	-46	--	12,374	-2,225	1,167
Catalyst	--	--	2,908	--	--	--	--	--	--	2,908	--
Asphalt and Road Oil	--	--	1,745	286	--	--	409	--	79	1,543	2,270
Still Gas	--	--	10,340	--	--	--	--	--	--	10,340	--
Miscellaneous Products	--	--	1,195	--	--	--	26	--	1	1,168	103
Total	97,855	2,230	271,500	130,176	49,301	8,778	2,941	254,284	39,879	262,736	141,476

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,022	--	--	1,225	152	-10	39	2,351	--	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	72	0	69	39	28	--	-1	80	52	77
Pentanes Plus	35	0	--	--	--	--	0	31	1	3
Liquefied Petroleum Gases	37	--	69	39	28	--	-1	49	51	74
Ethane/Ethylene	0	--	--	--	--	--	--	--	0	0
Propane/Propylene	11	--	48	30	14	--	-9	--	36	76
Normal Butane/Butylene	14	--	17	9	10	--	11	26	15	0
Isobutane/Isobutylene	12	--	4	0	4	--	-3	24	--	-1
Other Liquids	--	27	--	174	348	-64	-30	498	21	-5
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	27	--	15	198	-8	1	222	9	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	27	--	15	198	-47	1	183	9	0
Fuel Ethanol	--	19	--	--	184	-30	3	161	9	0
Renewable Fuels Except Fuel Ethanol	--	8	--	15	14	-17	-3	22	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	125	--	--	1	124	4	-5
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	34	150	-56	-32	151	8	0
Reformulated	--	--	--	--	65	18	-1	85	0	0
Conventional	--	--	--	34	84	-74	-31	66	8	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,045	125	40	98	-26	--	365	2,968
Finished Motor Gasoline	--	--	1,630	1	9	86	-4	--	35	1,695
Reformulated	--	--	1,153	--	--	-12	0	--	--	1,141
Conventional	--	--	478	1	9	98	-3	--	35	553
Finished Aviation Gasoline	--	--	0	--	2	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	437	85	10	--	5	--	28	499
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	543	2	19	12	-22	--	139	458
15 ppm sulfur and under	--	--	522	1	19	12	-18	--	87	485
Greater than 15 ppm to 500 ppm sulfur	--	--	8	--	--	--	0	--	7	1
Greater than 500 ppm sulfur	--	--	13	0	--	--	-4	--	45	-27
Residual Fuel Oil ⁶	--	--	107	31	--	--	-9	--	11	136
Less than 0.31 percent sulfur	--	--	0	--	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	--	--	--	-5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	87	31	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	2
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	-1	--	--	2
Lubricants	--	--	21	1	--	--	2	--	9	11
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	145	1	--	--	-3	--	142	7
Marketable	--	--	112	1	--	--	-3	--	142	-26
Catalyst	--	--	33	--	--	--	--	--	--	33
Asphalt and Road Oil	--	--	24	3	--	--	4	--	1	22
Still Gas	--	--	121	--	--	--	--	--	--	121
Miscellaneous Products	--	--	14	--	--	--	0	--	0	14
Total	1,094	26	3,114	1,563	569	24	-18	2,929	438	3,041

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- = No Data Reported.
NA = Not Available.

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² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.
⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-March 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,016	--	--	1,109	151	67	37	2,301	5	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	71	0	38	40	32	--	-22	96	35	73
Pentanes Plus	35	0	--	--	--	--	0	31	1	3
Liquefied Petroleum Gases	36	--	38	40	32	--	-23	66	34	70
Ethane/Ethylene	0	--	--	--	--	--	--	--	0	0
Propane/Propylene	11	--	46	33	11	--	-12	--	29	83
Normal Butane/Butylene	14	--	-10	7	17	--	-10	42	5	-9
Isobutane/Isobutylene	12	--	2	1	5	--	0	24	--	-4
Other Liquids	--	25	--	149	317	-26	7	429	25	5
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	25	--	12	158	20	-2	206	11	0
Hydrogen	--	--	--	--	--	33	--	33	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	25	--	12	158	-13	-2	173	11	0
Fuel Ethanol	--	19	--	--	148	-3	-1	153	11	0
Renewable Fuels Except Fuel Ethanol	--	7	--	12	9	-10	-1	19	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	116	--	--	3	104	4	5
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	21	160	-46	6	119	10	0
Reformulated	--	--	--	--	75	-1	-7	81	0	0
Conventional	--	--	--	21	85	-45	13	38	10	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2,978	148	47	56	10	--	379	2,841
Finished Motor Gasoline	--	--	1,575	4	10	49	-2	--	59	1,581
Reformulated	--	--	1,099	--	--	-2	0	--	--	1,098
Conventional	--	--	476	4	10	51	-1	--	59	483
Finished Aviation Gasoline	--	--	0	--	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	432	88	8	--	2	--	30	496
Kerosene	--	--	1	--	--	--	0	--	0	1
Distillate Fuel Oil	--	--	529	7	28	7	3	--	130	439
15 ppm sulfur and under	--	--	505	7	28	7	4	--	82	462
Greater than 15 ppm to 500 ppm sulfur	--	--	9	--	--	--	-1	--	9	1
Greater than 500 ppm sulfur	--	--	15	1	--	--	0	--	40	-24
Residual Fuel Oil ⁶	--	--	133	42	--	--	0	--	16	159
Less than 0.31 percent sulfur	--	--	0	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	22	--	--	--	-3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	110	42	--	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	16	1	--	--	2	--	6	9
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	144	1	--	--	-1	--	137	8
Marketable	--	--	111	1	--	--	-1	--	137	-25
Catalyst	--	--	32	--	--	--	--	--	--	32
Asphalt and Road Oil	--	--	19	3	--	--	5	--	1	17
Still Gas	--	--	115	--	--	--	--	--	--	115
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
Total	1,087	25	3,017	1,446	548	98	33	2,825	443	2,919

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, March 2017
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,368	51,182	177,738	20,083	31,682	282,053	9,098
Alaskan	--	--	--	--	--	16,301	526
Lower 48 States	--	--	--	--	--	265,752	8,573
Imports (PAD District of Entry)	23,345	80,630	95,857	11,690	37,979	249,501	8,048
Commercial	23,345	80,630	95,857	11,690	37,979	249,501	8,048
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	3,231	-2,400	7,485	-13,039	4,723	--	--
Adjustments ¹	2,019	-4,825	4,004	1,269	-298	2,169	70
Disposition							
Stock Change ²	2,262	3,921	2,461	1,154	1,202	11,000	355
Commercial	--	--	5,776	--	--	14,315	462
SPR	--	--	-3,315	--	--	-3,315	-107
Refinery Inputs	27,610	114,641	262,960	18,783	72,884	496,878	16,028
Exports	91	6,025	19,663	66	--	25,845	834
Ending Stocks							
Total	18,812	156,308	973,777	25,428	55,069	1,229,394	--
Commercial	18,812	156,308	282,267	25,428	55,069	537,884	--
Refinery	12,919	14,485	50,786	2,758	24,555	105,503	--
Tank Farms and Pipelines	5,893	141,823	231,481	22,670	27,344	429,211	--
Cushing, Oklahoma	--	69,468	--	--	--	69,468	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	3,170	3,170	--
SPR	--	--	691,510	--	--	691,510	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	56.2	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	34.0	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	166	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	23,345	80,630	95,857	11,690	37,979	249,501	8,048
PAD District of Processing	24,413	74,343	103,699	8,877	38,169	249,501	8,048

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, March 2017
(Thousand Barrels)

PAD District and State	March 2017		January-March 2017	
	Total	Daily Average	Total	Daily Average
PAD District 1	1,368	44	3,990	44
Florida	176	6	480	5
New York	24	1	69	1
Pennsylvania	476	15	1,390	15
Virginia	1	0	2	0
West Virginia	692	22	2,050	23
PAD District 2	51,182	1,651	146,039	1,623
Illinois	727	23	2,073	23
Indiana	155	5	449	5
Kansas	3,086	100	8,777	98
Kentucky	255	8	526	6
Michigan	467	15	1,315	15
Missouri	9	0	28	0
Nebraska	204	7	572	6
North Dakota	31,481	1,016	90,210	1,002
Ohio	1,473	48	4,518	50
Oklahoma	13,186	425	37,178	413
South Dakota	117	4	332	4
Tennessee	20	1	62	1
PAD District 3	177,738	5,733	511,397	5,682
Alabama	622	20	1,801	20
Arkansas	443	14	1,268	14
Louisiana	4,404	142	12,721	141
Mississippi	1,563	50	4,533	50
New Mexico	13,600	439	38,773	431
Texas	102,443	3,305	294,163	3,268
Federal Offshore PAD District 3	54,663	1,763	158,139	1,757
PAD District 4	20,083	648	56,785	631
Colorado	9,242	298	26,554	295
Montana	1,795	58	5,242	58
Utah	2,738	88	7,649	85
Wyoming	6,308	203	17,341	193
PAD District 5	31,682	1,022	91,458	1,016
Alaska	16,301	526	46,667	519
South Alaska	409	13	1,232	14
North Slope	15,892	513	45,435	505
Arizona	1	0	3	0
California	14,907	481	43,393	482
Nevada	23	1	67	1
Federal Offshore PAD District 5	451	15	1,329	15
U.S. Total	282,053	9,098	809,670	8,996

- = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids	13	12,325	12,338	6,025	6,307	12,668	25,000
Pentanes Plus	-	1,163	1,163	423	800	1,479	2,702
Liquefied Petroleum Gases	13	11,162	11,175	5,602	5,507	11,189	22,298
Ethane	-	5,310	5,310	2,073	1,766	4,504	8,343
Propane	4	4,038	4,042	2,491	2,439	4,434	9,364
Normal Butane	9	1,197	1,206	500	1,041	1,516	3,057
Isobutane	-	617	617	538	261	735	1,534

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids	42,521	5,881	6,284	1,271	5,759	61,716	11,699	2,220	112,973
Pentanes Plus	4,467	441	692	249	624	6,473	1,791	1,080	13,209
Liquefied Petroleum Gases	38,054	5,440	5,592	1,022	5,135	55,243	9,908	1,140	99,764
Ethane	17,969	3,013	2,474	508	2,274	26,238	3,196	1	43,088
Propane	13,015	1,558	2,006	294	1,888	18,761	4,277	336	36,780
Normal Butane	4,382	-1,146	690	125	507	4,558	1,640	444	10,905
Isobutane	2,688	2,015	422	95	466	5,686	795	359	8,991

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids	6	241	247	701	125	483	1,309
Pentanes Plus	-	63	63	82	44	59	185
Liquefied Petroleum Gases	6	178	184	619	81	424	1,124
Ethane	-	-	-	85	4	139	228
Propane	3	123	126	312	48	152	512
Normal Butane	3	40	43	121	23	86	230
Isobutane	-	15	15	101	6	47	154

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids	122	2,883	236	26	-	3,267	150	185	5,158
Pentanes Plus	29	20	82	4	-	135	42	37	462
Liquefied Petroleum Gases	93	2,863	154	22	-	3,132	108	148	4,696
Ethane	1	809	-	-	-	810	-	-	1,038
Propane	67	1,354	21	17	-	1,459	68	32	2,197
Normal Butane	20	274	93	5	-	392	32	85	782
Isobutane	5	426	40	-	-	471	8	31	679

- = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	24,748	2,862	27,610	73,207	16,201	25,233	114,641
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	1,033	11	1,044	1,631	172	1,001	2,804
Pentanes Plus	151	-	151	291	9	331	631
Liquefied Petroleum Gases	882	11	893	1,340	163	670	2,173
Normal Butane	486	11	497	391	113	259	763
Isobutane	396	-	396	949	50	411	1,410
Other Liquids	80,313	6,376	86,689	10,755	2,785	2,589	16,129
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	10,098	821	10,919	5,868	1,501	1,818	9,187
Hydrogen	106	2	108	697	296	180	1,173
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	9,992	819	10,811	5,151	1,205	1,638	7,994
Fuel Ethanol	9,681	727	10,408	4,876	1,136	1,568	7,580
Renewable Diesel Fuel	311	92	403	275	69	70	414
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	20	-	-	20
Unfinished Oils (net)	3,112	-19	3,093	-305	-257	465	-97
Naphthas and Lighter	741	10	751	287	-166	205	326
Kerosene and Light Gas Oils	189	-2	187	-361	-38	-48	-447
Heavy Gas Oils	818	-27	791	24	-53	290	261
Residuum	1,364	0	1,364	-255	-	18	-237
Motor Gasoline Blend.Comp. (MGBC)(net)	67,103	5,574	72,677	5,192	1,541	306	7,039
Reformulated - RBOB	18,554	-	18,554	-972	918	854	800
Conventional	48,549	5,574	54,123	6,164	623	-548	6,239
CBOB	40,750	5,577	46,327	5,734	484	-961	5,257
GTAB	2,001	-	2,001	-	-	-	-
Other	5,798	-3	5,795	430	139	413	982
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	106,094	9,249	115,343	85,593	19,158	28,823	133,574

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,333	133,163	103,169	5,843	2,452	262,960	18,783	72,884	496,878
Natural Gas Plant Liquids and Liquefied Refinery Gases	624	4,127	4,160	66	110	9,087	657	2,478	16,070
Pentanes Plus	187	1,301	1,854	4	36	3,382	176	953	5,293
Liquefied Petroleum Gases	437	2,826	2,306	62	74	5,705	481	1,525	10,777
Normal Butane	202	1,454	906	32	16	2,610	236	791	4,897
Isobutane	235	1,372	1,400	30	58	3,095	245	734	5,880
Other Liquids	11,870	-35,259	-32,848	8,145	151	-47,941	-58	15,427	70,246
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	2,167	3,444	2,194	1,246	201	9,252	1,128	6,886	37,372
Hydrogen	20	2,359	1,576	95	28	4,078	216	1,212	6,787
Oxygenates (excluding Fuel Ethanol)	-	120	-	-	-	120	-	-	120
Methyl Tertiary Butyl Ether (MTBE)	-	120	-	-	-	120	-	-	120
All Other Oxygenates ¹	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	2,147	965	618	1,151	173	5,054	912	5,674	30,445
Fuel Ethanol	2,048	880	481	1,061	157	4,627	874	4,984	28,473
Renewable Diesel Fuel	99	85	137	90	16	427	38	686	1,968
Other Renewable Fuels	-	-	-	-	-	-	-	4	4
Other Hydrocarbons	-	-	-	-	-	-	-	-	20
Unfinished Oils (net)	-6	-1,568	4,818	-76	-497	2,671	-311	3,846	9,202
Naphthas and Lighter	-97	-4,492	-1,261	-40	-85	-5,975	-243	315	-4,826
Kerosene and Light Gas Oils	119	97	-636	-37	-132	-589	-288	-202	-1,339
Heavy Gas Oils	-92	2,306	5,944	58	-280	7,936	202	3,449	12,639
Residuum	64	521	771	-57	-	1,299	18	284	2,728
Motor Gasoline Blend.Comp. (MGBC)(net)	9,709	-37,135	-39,862	6,975	447	-59,866	-875	4,695	23,670
Reformulated - RBOB	5,829	-7,439	-3,531	-	-65	-5,206	-	2,634	16,782
Conventional	3,880	-29,696	-36,331	6,975	512	-54,660	-875	2,061	6,888
CBOB	3,823	-32,226	-33,961	6,972	528	-54,864	-981	1,412	-2,849
GTAB	-	-	-	-	-	-	-	-	2,001
Other	57	2,530	-2,370	3	-16	204	106	649	7,736
Aviation Gasoline Blend. Comp. (net)	0	-	2	-	-	2	-	-	2
Total Input	30,827	102,031	74,481	14,054	2,713	224,106	19,382	90,789	583,194

- = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases	716	2	718	2,780	306	583	3,669
Ethane/Ethylene	18	-	18	-	-	-	-
Ethane	-	-	-	-	-	-	-
Ethylene	18	-	18	-	-	-	-
Propane/Propylene	918	29	947	2,603	496	710	3,809
Propane	503	29	532	1,559	254	466	2,279
Propylene	415	-	415	1,044	242	244	1,530
Normal Butane/Butylene	-245	-10	-255	211	-137	-34	40
Normal Butane	-200	-10	-210	124	-137	-34	-47
Butylene	-45	-	-45	87	-	-	87
Isobutane/Isobutylene	25	-17	8	-34	-53	-93	-180
Isobutane	-16	-17	-33	-34	-53	-93	-180
Isobutylene	41	-	41	-	-	-	-
Finished Motor Gasoline	91,697	7,469	99,166	51,654	10,983	16,012	78,649
Reformulated	39,433	-	39,433	8,595	1,580	1,139	11,314
Reformulated Blended with Fuel Ethanol	39,433	-	39,433	8,595	1,580	1,139	11,314
Reformulated Other	-	-	-	-	-	-	-
Conventional	52,264	7,469	59,733	43,059	9,403	14,873	67,335
Conventional Blended with Fuel Ethanol	56,540	7,270	63,810	39,881	9,704	14,277	63,862
Ed55 and Lower	56,507	7,270	63,777	39,874	9,684	14,225	63,783
Greater than Ed55	33	-	33	7	20	52	79
Conventional Other	-4,276	199	-4,077	3,178	-301	596	3,473
Finished Aviation Gasoline	-	-	-	-	70	-	70
Kerosene-Type Jet Fuel	2,232	-	2,232	5,683	955	1,108	7,746
Kerosene	14	-	14	-7	-	9	2
Distillate Fuel Oil	8,126	829	8,955	18,465	4,808	9,407	32,680
15 ppm sulfur and under	6,005	727	6,732	18,412	4,834	9,486	32,732
Greater than 15 ppm to 500 ppm sulfur	188	74	262	-	54	89	143
Greater than 500 ppm sulfur	1,933	28	1,961	53	-80	-168	-195
Residual Fuel Oil	1,104	7	1,111	1,107	368	71	1,546
Less than 0.31 percent sulfur	340	6	346	15	118	-	133
0.31 to 1.00 percent sulfur	130	1	131	229	71	-	300
Greater than 1.00 percent sulfur	634	-	634	863	179	71	1,113
Petrochemical Feedstocks	144	-	144	882	-7	28	903
Naphtha for Petro. Feed. Use	144	-	144	621	-7	-	614
Other Oils for Petro. Feed. Use	-	-	-	261	-	28	289
Special Naphthas	-	22	22	42	-	16	58
Lubricants	230	172	402	-	-	284	284
Waxes	-	5	5	-	-	29	29
Petroleum Coke	1,016	20	1,036	3,935	904	942	5,781
Marketable	404	-	404	2,943	722	732	4,397
Catalyst	612	20	632	992	182	210	1,384
Asphalt and Road Oil	1,026	634	1,660	2,792	1,245	490	4,527
Still Gas	1,293	58	1,351	2,628	655	976	4,259
Miscellaneous Products	56	33	89	346	121	48	515
Total	107,654	9,251	116,905	90,307	20,408	30,003	140,718
Processing Gain(-) or Loss(+) ¹	-1,560	-2	-1,562	-4,714	-1,250	-1,180	-7,144

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases	737	7,728	5,500	83	12	14,060	467	2,131	21,045
Ethane/Ethylene	1	-71	125	-	-	55	-	-	73
Ethane	1	-78	125	-	-	48	-	-	48
Ethylene	-	7	-	-	-	7	-	-	25
Propane/Propylene	680	5,783	5,081	57	13	11,614	337	1,473	18,180
Propane	285	2,447	2,067	14	13	4,826	324	1,190	9,151
Propylene	395	3,336	3,014	43	-	6,788	13	283	9,029
Normal Butane/Butylene	16	1,829	24	26	-8	1,887	114	540	2,326
Normal Butane	26	1,858	429	26	-4	2,335	72	508	2,658
Butylene	-10	-29	-405	-	-4	-448	42	32	-332
Isobutane/Isobutylene	40	187	270	-	7	504	16	118	466
Isobutane	40	187	270	-	7	504	16	118	425
Isobutylene	-	-	-	-	-	-	-	-	41
Finished Motor Gasoline	21,359	22,471	11,637	9,952	1,616	67,035	9,457	50,540	304,847
Reformulated	7,743	6,898	-	-	-	14,641	-	35,737	101,125
Reformulated Blended with Fuel Ethanol	7,743	6,898	-	-	-	14,641	-	35,737	101,125
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	13,616	15,573	11,637	9,952	1,616	52,394	9,457	14,803	203,722
Conventional Blended with Fuel Ethanol	12,501	1,829	4,757	10,609	1,563	31,259	8,744	13,963	181,638
Ed55 and Lower	12,493	1,829	4,757	10,600	1,563	31,242	8,731	13,959	181,492
Greater than Ed55	8	-	-	9	-	17	13	4	146
Conventional Other	1,115	13,744	6,880	-657	53	21,135	713	840	22,084
Finished Aviation Gasoline	73	72	121	-	-	266	7	1	344
Kerosene-Type Jet Fuel	1,719	13,822	11,779	164	-	27,484	979	13,537	51,978
Kerosene	-3	-45	16	8	-	-24	-	11	3
Distillate Fuel Oil	5,325	41,719	33,316	2,249	727	83,336	6,388	16,843	148,202
15 ppm sulfur and under	5,300	40,212	27,423	2,066	727	75,728	6,352	16,192	137,736
Greater than 15 ppm to 500 ppm sulfur	25	174	3,116	67	-	3,382	20	234	4,041
Greater than 500 ppm sulfur	-	1,333	2,777	116	-	4,226	16	417	6,425
Residual Fuel Oil	340	2,329	4,381	-156	24	6,918	343	3,311	13,229
Less than 0.31 percent sulfur	239	41	751	-	-	1,031	178	10	1,698
0.31 to 1.00 percent sulfur	-	289	346	-156	18	497	15	612	1,555
Greater than 1.00 percent sulfur	101	1,999	3,284	-	6	5,390	150	2,689	9,976
Petrochemical Feedstocks	135	6,284	3,050	9	-	9,478	-	3	10,528
Naphtha for Petro. Feed. Use	117	4,088	1,319	9	-	5,533	-	3	6,294
Other Oils for Petro. Feed. Use	18	2,196	1,731	-	-	3,945	-	-	4,234
Special Naphthas	71	712	-	254	-	1,037	-	34	1,151
Lubricants	11	1,855	1,076	834	-	3,776	-	664	5,126
Waxes	-	58	46	28	-	132	-	-	166
Petroleum Coke	353	8,492	5,510	165	33	14,553	876	4,501	26,747
Marketable	146	6,698	4,345	150	-	11,339	629	3,476	20,245
Catalyst	207	1,794	1,165	15	33	3,214	247	1,025	6,502
Asphalt and Road Oil	184	371	1,345	633	172	2,705	947	757	10,596
Still Gas	715	5,801	3,929	96	34	10,575	746	3,756	20,687
Miscellaneous Products	105	1,075	556	8	9	1,753	115	435	2,907
Total	31,124	112,744	82,262	14,327	2,627	243,084	20,325	96,524	617,556
Processing Gain(-) or Loss(+) ¹	-297	-10,713	-7,781	-273	86	-18,978	-943	-5,735	-34,362

- = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	24,748	2,862	27,610	73,207	16,201	25,233	114,641
Natural Gas Plant Liquids	463	-	463	1,443	111	686	2,240
Pentanes Plus	-	-	-	291	-	269	560
Liquefied Petroleum Gases	463	-	463	1,152	111	417	1,680
Normal Butane	67	-	67	203	61	6	270
Isobutane	396	-	396	949	50	411	1,410
Other Liquids	-10,411	103	-10,308	-34,832	-6,049	-11,178	-52,059
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	177	132	309	970	486	285	1,741
Hydrogen	106	2	108	697	296	180	1,173
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	71	130	201	253	190	105	548
Fuel Ethanol	71	103	174	151	167	99	417
Renewable Diesel Fuel	-	27	27	102	23	6	131
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	20	-	-	20
Unfinished Oils (net)	3,112	-17	3,095	-247	-257	465	-39
Naphthas and Lighter	741	10	751	287	-166	205	326
Kerosene and Light Gas Oils	189	-	189	-299	-38	-48	-385
Heavy Gas Oils	818	-27	791	24	-53	290	261
Residuum	1,364	0	1,364	-259	-	18	-241
Motor Gasoline Blend.Comp. (MGBC)(net)	-13,700	-12	-13,712	-35,555	-6,278	-11,928	-53,761
Reformulated - RBOB	-9,134	-	-9,134	-8,313	-503	-165	-8,981
Conventional	-4,566	-12	-4,578	-27,242	-5,775	-11,763	-44,780
CBOB	-4,865	-9	-4,874	-26,522	-5,866	-12,176	-44,564
GTAB	-	-	-	-	-	-	-
Other	299	-3	296	-720	91	413	-216
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	14,800	2,965	17,765	39,818	10,263	14,741	64,822
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	798	93	891	2,358	524	816	3,697
Operable Capacity (daily average)	1,157	98	1,256	2,607	520	872	3,999
Operable Utilization Rate (percent) ²	69.0	94.7	71.0	90.5	100.7	93.5	92.5
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	152	16	169	439	63	146	648
Catalytic Cracking	342	16	357	748	147	203	1,098
Catalytic Hydrocracking	34	-	34	195	50	45	290
Delayed and Fluid Coking	51	-	51	319	68	88	475
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.82	1.62	0.90	1.70	2.14	0.82	1.57
API Gravity, Weighted Average (degrees)	33.48	32.65	33.40	32.11	28.65	37.78	32.80
Operable Capacity (daily average)	1,157	98	1,256	2,607	520	872	3,999
Operating	1,115	98	1,214	2,585	520	872	3,977
Idle	42	-	42	22	-	-	22
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	18,333	133,163	103,169	5,843	2,452	262,960	18,783	72,884	496,878
Natural Gas Plant Liquids	539	3,731	4,057	34	110	8,471	568	2,448	14,190
Pentanes Plus	167	1,176	1,854	4	36	3,237	143	953	4,893
Liquefied Petroleum Gases	372	2,555	2,203	30	74	5,234	425	1,495	9,297
Normal Butane	137	1,183	803	—	16	2,139	180	761	3,417
Isobutane	235	1,372	1,400	30	58	3,095	245	734	5,880
Other Liquids	-5,930	-45,859	-35,853	-1,418	-881	-89,941	-4,768	-32,088	-189,164
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	288	2,536	1,841	148	81	4,894	500	1,514	8,958
Hydrogen	20	2,359	1,576	95	28	4,078	216	1,212	6,787
Oxygenates (excluding Fuel Ethanol)	—	120	—	—	—	120	—	—	120
Methyl Tertiary Butyl Ether (MTBE)	—	120	—	—	—	120	—	—	120
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	268	57	265	53	53	696	284	302	2,031
Fuel Ethanol	219	47	172	25	53	516	259	98	1,464
Renewable Diesel Fuel	49	10	93	28	—	180	25	200	563
Other Renewable Fuels	—	—	—	—	—	—	—	4	4
Other Hydrocarbons	—	—	—	—	—	—	—	—	20
Unfinished Oils (net)	-6	-1,714	4,818	-76	-497	2,525	-311	3,846	9,116
Naphthas and Lighter	-97	-4,638	-1,261	-40	-85	-6,121	-243	315	-4,972
Kerosene and Light Gas Oils	119	97	-636	-37	-132	-589	-288	-202	-1,275
Heavy Gas Oils	-92	2,306	5,944	58	-280	7,936	202	3,449	12,639
Residuum	64	521	771	-57	—	1,299	18	284	2,724
Motor Gasoline Blend.Comp. (MGBC)(net)	-6,212	-46,681	-42,514	-1,490	-465	-97,362	-4,957	-37,448	-207,240
Reformulated - RBOB	-1,076	-12,036	-3,531	—	-65	-16,708	—	-28,736	-63,559
Conventional	-5,136	-34,645	-38,983	-1,490	-400	-80,654	-4,957	-8,712	-143,681
CBOB	-5,193	-31,293	-35,846	-1,456	-384	-74,172	-5,059	-9,175	-137,844
GTAB	—	—	—	—	—	—	—	—	—
Other	57	-3,352	-3,137	-34	-16	-6,482	102	463	-5,837
Aviation Gasoline Blend. Comp. (net)	0	—	2	—	—	2	—	—	2
Total Input to Refineries	12,942	91,035	71,373	4,459	1,681	181,490	14,583	43,244	321,904
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	605	4,375	3,446	161	79	8,666	605	2,521	16,380
Operable Capacity (daily average)	731	4,944	3,696	246	124	9,742	692	2,933	18,621
Operable Utilization Rate (percent) ²	82.8	88.5	93.2	65.3	64.1	89.0	87.4	86.0	88.0
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	134	628	552	28	13	1,356	81	437	2,691
Catalytic Cracking	146	1,157	1,021	18	13	2,355	163	689	4,662
Catalytic Hydrocracking	38	534	357	15	—	943	26	502	1,795
Delayed and Fluid Coking	20	766	484	33	—	1,303	77	455	2,361
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.49	1.78	1.33	1.20	0.60	1.48	1.45	1.37	1.45
API Gravity, Weighted Average (degrees)	41.15	30.73	31.27	33.57	38.59	31.83	33.41	27.88	31.60
Operable Capacity (daily average)	731	4,944	3,696	246	124	9,742	692	2,933	18,621
Operating	731	4,902	3,696	246	124	9,699	682	2,848	18,420
Idle	—	43	—	—	—	43	10	85	201
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	13,361	13,361

— = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases	716	2	718	2,780	306	583	3,669
Ethane/Ethylene	18	-	18	-	-	-	-
Ethane	-	-	-	-	-	-	-
Ethylene	18	-	18	-	-	-	-
Propane/Propylene	918	29	947	2,603	496	710	3,809
Propane	503	29	532	1,559	254	466	2,279
Propylene	415	-	415	1,044	242	244	1,530
Normal Butane/Butylene	-245	-10	-255	211	-137	-34	40
Normal Butane	-200	-10	-210	124	-137	-34	-47
Butylene	-45	-	-45	87	-	-	87
Isobutane/Isobutylene	25	-17	8	-34	-53	-93	-180
Isobutane	-16	-17	-33	-34	-53	-93	-180
Isobutylene	41	-	41	-	-	-	-
Finished Motor Gasoline	706	1,249	1,955	6,010	2,132	1,992	10,134
Reformulated	706	-	706	-	-	-	-
Reformulated Blended with Fuel Ethanol	706	-	706	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,249	1,249	6,010	2,132	1,992	10,134
Conventional Blended with Fuel Ethanol	-	1,033	1,033	1,547	1,669	1,027	4,243
Ed55 and Lower	-	1,033	1,033	1,547	1,669	1,027	4,243
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	216	216	4,463	463	965	5,891
Finished Aviation Gasoline	-	-	-	-	70	-	70
Kerosene-Type Jet Fuel	2,231	-	2,231	5,694	955	1,108	7,757
Commercial	2,231	-	2,231	5,694	949	999	7,642
Military	-	-	-	-	6	109	115
Kerosene	14	-	14	-7	-	9	2
Distillate Fuel Oil	7,797	764	8,561	18,324	4,764	9,342	32,430
15 ppm sulfur and under	5,800	662	6,462	18,271	4,790	9,421	32,482
Greater than 15 ppm to 500 ppm sulfur	91	74	165	-	54	-4	50
Greater than 500 ppm sulfur	1,906	28	1,934	53	-80	-75	-102
Residual Fuel Oil	1,156	7	1,163	1,107	368	110	1,585
Less than 0.31 percent sulfur	374	6	380	15	118	-	133
0.31 to 1.00 percent sulfur	127	1	128	229	71	-	300
Greater than 1.00 percent sulfur	655	-	655	863	179	110	1,152
Petrochemical Feedstocks	144	-	144	882	-7	28	903
Naphtha for Petro. Feed. Use	144	-	144	621	-7	-	614
Other Oils for Petro. Feed. Use	-	-	-	261	-	28	289
Special Naphthas	-	22	22	42	-	16	58
Lubricants	230	172	402	-	-	284	284
Naphthenic	-	-	-	-	-	-	-
Paraffinic	230	172	402	-	-	284	284
Waxes	-	5	5	-	-	29	29
Petroleum Coke	1,016	20	1,036	3,935	904	942	5,781
Marketable	404	-	404	2,943	722	732	4,397
Catalyst	612	20	632	992	182	210	1,384
Asphalt and Road Oil	993	634	1,627	2,788	1,245	451	4,484
Still Gas	1,293	58	1,351	2,628	655	976	4,259
Miscellaneous Products	56	33	89	346	121	48	515
Fuel Use	-	-	-	-	-	-	-
Nonfuel Use	56	33	89	346	121	48	515
Total	16,352	2,966	19,318	44,529	11,513	15,918	71,960
Processing Gain(-) or Loss(+) ¹	-1,552	-1	-1,553	-4,711	-1,250	-1,177	-7,138

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						Total	PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico					
Liquefied Refinery Gases	737	7,728	5,500	83	12	14,060	467	2,131	21,045	
Ethane/Ethylene	1	-71	125	-	-	55	-	-	73	
Ethane	1	-78	125	-	-	48	-	-	48	
Ethylene	-	7	-	-	-	7	-	-	25	
Propane/Propylene	680	5,783	5,081	57	13	11,614	337	1,473	18,180	
Propane	285	2,447	2,067	14	13	4,826	324	1,190	9,151	
Propylene	395	3,336	3,014	43	-	6,788	13	283	9,029	
Normal Butane/Butylene	16	1,829	24	26	-8	1,887	114	540	2,326	
Normal Butane	26	1,858	429	26	-4	2,335	72	508	2,658	
Butylene	-10	-29	-405	-	-4	-448	42	32	-332	
Isobutane/Isobutylene	40	187	270	-	7	504	16	118	466	
Isobutane	40	187	270	-	7	504	16	118	425	
Isobutylene	-	-	-	-	-	-	-	-	41	
Finished Motor Gasoline	3,524	11,697	8,576	419	601	24,817	4,676	3,479	45,061	
Reformulated	-	-	-	-	-	-	-	665	1,371	
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	665	1,371	
Reformulated Other	-	-	-	-	-	-	-	-	-	
Conventional	3,524	11,697	8,576	419	601	24,817	4,676	2,814	43,690	
Conventional Blended with Fuel Ethanol	2,135	473	1,696	297	512	5,113	2,636	320	13,345	
Ed55 and Lower	2,131	473	1,696	297	512	5,109	2,636	320	13,341	
Greater than Ed55	4	-	-	-	-	4	-	-	4	
Conventional Other	1,389	11,224	6,880	122	89	19,704	2,040	2,494	30,345	
Finished Aviation Gasoline	73	72	121	-	-	266	7	3	346	
Kerosene-Type Jet Fuel	1,719	13,777	11,772	164	-	27,432	941	13,618	51,979	
Commercial	1,475	12,671	11,642	134	-	25,922	860	12,997	49,652	
Military	244	1,106	130	30	-	1,510	81	621	2,327	
Kerosene	-3	-	14	8	-	19	-	0	35	
Distillate Fuel Oil	5,276	41,497	33,279	2,186	711	82,949	6,411	16,298	146,649	
15 ppm sulfur and under	5,251	40,031	27,386	2,003	711	75,382	6,375	15,667	136,368	
Greater than 15 ppm to 500 ppm sulfur	25	172	3,116	67	-	3,380	20	234	3,849	
Greater than 500 ppm sulfur	-	1,294	2,777	116	-	4,187	16	397	6,432	
Residual Fuel Oil	340	2,329	4,380	-156	24	6,917	343	3,301	13,309	
Less than 0.31 percent sulfur	239	31	751	-	-	1,021	178	-	1,712	
0.31 to 1.00 percent sulfur	-	272	346	-156	18	480	15	612	1,535	
Greater than 1.00 percent sulfur	101	2,026	3,283	-	6	5,416	150	2,689	10,062	
Petrochemical Feedstocks	135	6,284	3,050	9	-	9,478	-	3	10,528	
Naphtha for Petro. Feed. Use	117	4,088	1,319	9	-	5,533	-	3	6,294	
Other Oils for Petro. Feed. Use	18	2,196	1,731	-	-	3,945	-	-	4,234	
Special Naphthas	71	712	-	254	-	1,037	-	34	1,151	
Lubricants	11	1,855	1,076	834	-	3,776	-	664	5,126	
Naphthenic	11	63	-	591	-	665	-	94	759	
Paraffinic	-	1,792	1,076	243	-	3,111	-	570	4,367	
Waxes	-	58	46	28	-	132	-	-	166	
Petroleum Coke	353	8,492	5,510	165	33	14,553	876	4,501	26,747	
Marketable	146	6,698	4,345	150	-	11,339	629	3,476	20,245	
Catalyst	207	1,794	1,165	15	33	3,214	247	1,025	6,502	
Asphalt and Road Oil	184	371	1,346	633	172	2,706	947	757	10,521	
Still Gas	715	5,801	3,929	96	34	10,575	746	3,756	20,687	
Miscellaneous Products	105	1,075	556	8	9	1,753	115	435	2,907	
Fuel Use	-	-	-	-	-	-	-	-	49	
Nonfuel Use	105	1,075	556	8	9	1,753	115	386	2,858	
Total	13,240	101,748	79,155	4,731	1,596	200,470	15,529	48,980	356,257	
Processing Gain(-) or Loss(+) ¹	-298	-10,713	-7,782	-272	85	-18,980	-946	-5,736	-34,353	

- = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, March 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	570	11	581	188	61	315	564
Pentanes Plus	151	-	151	-	9	62	71
Liquefied Petroleum Gases	419	11	430	188	52	253	493
Normal Butane	419	11	430	188	52	253	493
Isobutane	-	-	-	-	-	-	-
Other Liquids	90,724	6,273	96,997	45,587	8,834	13,767	68,188
Oxygenates/Renewables	9,921	689	10,610	4,898	1,015	1,533	7,446
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	9,921	689	10,610	4,898	1,015	1,533	7,446
Fuel Ethanol	9,610	624	10,234	4,725	969	1,469	7,163
Renewable Diesel Fuel	311	65	376	173	46	64	283
Other Renewable Fuels	-	-	-	-	-	-	-
Unfinished Oils (net)	-	-2	-2	-58	-	-	-58
Naphthas and Lighter	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-2	-2	-62	-	-	-62
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	4	-	-	4
Motor Gasoline Blend.Comp. (MGBC)(net)	80,803	5,586	86,389	40,747	7,819	12,234	60,800
Reformulated - RBOB	27,688	-	27,688	7,341	1,421	1,019	7,781
Conventional	53,115	5,586	58,701	33,406	6,398	11,215	51,019
CBOB	45,615	5,586	51,201	32,256	6,350	11,215	49,821
GTAB	2,001	-	2,001	-	-	-	-
Other	5,499	-	5,499	1,150	48	-	1,198
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	91,294	6,284	97,578	45,775	8,895	14,082	68,752

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids and Liquefied									
Refinery Gases	85	396	103	32	-	616	89	30	1,880
Pentanes Plus	20	125	-	-	-	145	33	-	400
Liquefied Petroleum Gases	65	271	103	32	-	471	56	30	1,480
Normal Butane	65	271	103	32	-	471	56	30	1,480
Isobutane	-	-	-	-	-	-	-	-	-
Other Liquids	17,800	10,600	3,005	9,563	1,032	42,000	4,710	47,515	259,410
Oxygenates/Renewables	1,879	908	353	1,098	120	4,358	628	5,372	28,414
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	1,879	908	353	1,098	120	4,358	628	5,372	28,414
Fuel Ethanol	1,829	833	309	1,036	104	4,111	615	4,886	27,009
Renewable Diesel Fuel	50	75	44	62	16	247	13	486	1,405
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Unfinished Oils (net)	-	146	-	-	-	146	-	-	86
Naphthas and Lighter	-	146	-	-	-	146	-	-	146
Kerosene and Light Gas Oils	-	-	-	-	-	-	-	-	-64
Heavy Gas Oils	-	-	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-	-	4
Motor Gasoline Blend.Comp. (MGBC)(net)	15,921	9,546	2,652	8,465	912	37,496	4,082	42,143	230,910
Reformulated - RBOB	6,905	4,597	-	-	-	11,502	-	31,370	80,341
Conventional	9,016	4,949	2,652	8,465	912	25,994	4,082	10,773	150,569
CBOB	9,016	-933	1,885	8,428	912	19,308	4,078	10,587	134,995
GTAB	-	-	-	-	-	-	-	-	2,001
Other	-	5,882	767	37	-	6,686	4	186	13,573
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-	-	-
Total Input	17,885	10,996	3,108	9,595	1,032	42,616	4,799	47,545	261,290

- = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, March 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	90,991	6,220	97,211	45,644	8,851	14,020	68,515
Reformulated	38,727	-	38,727	8,595	1,580	1,139	11,314
Reformulated Blended with Fuel Ethanol	38,727	-	38,727	8,595	1,580	1,139	11,314
Reformulated Other	-	-	-	-	-	-	-
Conventional	52,264	6,220	58,484	37,049	7,271	12,881	57,201
Conventional Blended with Fuel Ethanol	56,540	6,237	62,777	38,334	8,035	13,250	59,619
Ed55 and Lower	56,507	6,237	62,744	38,327	8,015	13,198	59,540
Greater than Ed55	33	-	33	7	20	52	79
Conventional Other	-4,276	-17	-4,293	-1,285	-764	-369	-2,418
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	1	-	1	-11	-	-	-11
Kerosene	-	-	-	-	-	-	-
Distillate Fuel Oil	329	65	394	141	44	65	250
15 ppm sulfur and under	205	65	270	141	44	65	250
Greater than 15 ppm to 500 ppm sulfur	97	0	97	-	-	93	93
Greater than 500 ppm sulfur	27	-	27	-	-	-93	-93
Residual Fuel Oil	-52	-	-52	-	-	-39	-39
Less than 0.31 percent sulfur	-34	-	-34	-	-	-	-
0.31 to 1.00 percent sulfur	3	-	3	-	-	-	-
Greater than 1.00 percent sulfur	-21	-	-21	-	-	-39	-39
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	33	-	33	4	-	39	43
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	91,302	6,285	97,587	45,778	8,895	14,085	68,758
Processing Gain(-) or Loss(+) ¹	-8	-1	-9	-3	0	-3	-6

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	17,835	10,774	3,061	9,533	1,015	42,218	4,781	47,061	259,786
Reformulated	7,743	6,898	-	-	-	14,641	-	35,072	99,754
Reformulated Blended with Fuel Ethanol	7,743	6,898	-	-	-	14,641	-	35,072	99,754
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	10,092	3,876	3,061	9,533	1,015	27,577	4,781	11,989	160,032
Conventional Blended with Fuel Ethanol	10,366	1,356	3,061	10,312	1,051	26,146	6,108	13,643	168,293
Ed55 and Lower	10,362	1,356	3,061	10,303	1,051	26,133	6,095	13,639	168,151
Greater than Ed55	4	-	-	9	-	13	13	4	142
Conventional Other	-274	2,520	0	-779	-36	1,431	-1,327	-1,654	-8,261
Finished Aviation Gasoline	-	-	-	-	-	-	-	-2	-2
Kerosene-Type Jet Fuel	-	45	7	-	-	52	38	-81	-1
Kerosene	-	-45	2	-	-	-43	-	11	-32
Distillate Fuel Oil	49	222	37	63	16	387	-23	545	1,553
15 ppm sulfur and under	49	181	37	63	16	346	-23	525	1,368
Greater than 15 ppm to 500 ppm sulfur	-	2	-	-	-	2	-	-	192
Greater than 500 ppm sulfur	-	39	-	-	-	39	-	20	-7
Residual Fuel Oil	-	0	1	-	-	1	-	10	-80
Less than 0.31 percent sulfur	-	10	-	-	-	10	-	10	-14
0.31 to 1.00 percent sulfur	-	17	-	-	-	17	-	-	20
Greater than 1.00 percent sulfur	-	-27	1	-	-	-26	-	-	-86
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-1	-	-	-1	-	-	75
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	17,884	10,996	3,107	9,596	1,031	42,614	4,796	47,544	261,299
Processing Gain(-) or Loss(+) ¹	1	0	1	-1	1	2	3	1	-9

- = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	12,122	797	12,919	10,521	2,258	1,706	14,485
Petroleum Products	15,458	2,354	17,812	30,011	8,630	11,940	50,581
Pentanes Plus	—	—	—	87	—	448	535
Liquefied Petroleum Gases	716	33	749	2,520	251	484	3,255
Ethane/Ethylene	—	—	—	—	—	—	—
Propane/Propylene	114	2	116	782	54	208	1,044
Normal Butane/Butylene	449	11	460	1,499	136	94	1,729
Isobutane/Isobutylene	153	20	173	239	61	182	482
Oxygenates/Renewable Fuels/Other Hydrocarbons	109	89	198	89	64	29	182
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	109	89	198	55	64	29	148
Fuel Ethanol	109	85	194	39	55	25	119
Renewable Diesel Fuel	—	4	4	16	9	4	29
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	34	—	—	34
Unfinished Oils	5,623	361	5,984	8,307	804	4,300	13,411
Naphthas and Lighter	1,282	223	1,505	2,257	162	1,033	3,452
Kerosene and Light Gas Oils	737	—	737	1,816	356	1,038	3,210
Heavy Gas Oils	2,509	131	2,640	2,923	286	1,309	4,518
Residuum	1,095	7	1,102	1,311	—	920	2,231
Motor Gasoline Blending Components (MGBC)	4,404	340	4,744	8,915	2,624	3,963	15,502
Reformulated - RBOB	1,312	—	1,312	1,242	141	—	1,383
Conventional	3,092	340	3,432	7,673	2,483	3,963	14,119
CBOB	677	293	970	2,747	1,409	3,096	7,252
GTAB	—	—	—	—	—	—	—
Other	2,415	47	2,462	4,926	1,074	867	6,867
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	54	54	929	200	256	1,385
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	54	54	929	200	256	1,385
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	54	54	929	200	256	1,385
Finished Aviation Gasoline	—	—	—	—	100	—	100
Kerosene-Type Jet Fuel	420	—	420	1,245	302	216	1,763
Kerosene	95	2	97	75	—	13	88
Distillate Fuel Oil	2,169	214	2,383	3,798	1,669	1,464	6,931
15 ppm sulfur and under	1,327	77	1,404	3,621	1,439	1,350	6,410
Greater than 15 ppm to 500 ppm sulfur	48	119	167	—	99	46	145
Greater than 500 ppm sulfur	794	18	812	177	131	68	376
Residual Fuel Oil	571	29	600	796	212	52	1,060
Less than 0.31 percent sulfur	143	27	170	27	41	—	68
0.31 to 1.00 percent sulfur	45	2	47	131	11	—	142
Greater than 1.00 percent sulfur	383	—	383	638	160	52	850
Petrochemical Feedstocks	156	—	156	548	61	—	609
Naphtha for Petro. Feed. Use	156	—	156	399	61	—	460
Other Oils for Petro. Feed. Use	—	—	—	149	—	—	149
Special Naphthas	—	22	22	42	—	16	58
Lubricants	385	243	628	—	—	202	202
Waxes	—	372	372	—	—	48	48
Petroleum Coke	—	—	—	328	597	67	992
Marketable	—	—	—	328	597	67	992
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	798	575	1,373	2,258	1,732	375	4,365
Miscellaneous Products	12	20	32	74	14	7	95
Total Stocks, All Oils	27,580	3,151	30,731	40,532	10,888	13,646	65,066

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	1,755	29,313	18,082	1,229	407	50,786	2,758	24,555	105,503
Petroleum Products	9,204	56,543	49,166	3,767	1,763	120,443	10,974	49,743	249,553
Pentanes Plus	62	61	167	—	7	297	17	4	853
Liquefied Petroleum Gases	1,332	2,010	4,559	10	24	7,935	345	1,316	13,600
Ethane/Ethylene	151	—	—	—	—	151	—	—	151
Propane/Propylene	349	615	842	2	2	1,810	39	151	3,160
Normal Butane/Butylene	628	1,206	2,292	3	6	4,135	217	752	7,293
Isobutane/Isobutylene	204	189	1,425	5	16	1,839	89	413	2,996
Oxygenates/Renewable Fuels/Other Hydrocarbons	35	112	140	83	13	383	109	314	1,186
Oxygenates (excluding Fuel Ethanol)	—	51	—	—	—	51	—	—	51
Methyl Tertiary Butyl Ether (MTBE)	—	51	—	—	—	51	—	—	51
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	35	61	140	83	13	332	109	314	1,101
Fuel Ethanol	29	30	75	20	9	163	100	33	609
Renewable Diesel Fuel	6	31	65	63	4	169	9	248	459
Other Renewable Fuels	—	—	—	—	—	—	—	33	33
Other Hydrocarbons	—	—	—	—	—	—	—	—	34
Unfinished Oils	2,958	21,604	16,348	1,049	884	42,843	2,892	18,537	83,667
Naphthas and Lighter	1,184	7,198	2,790	211	256	11,639	720	2,821	20,137
Kerosene and Light Gas Oils	694	3,482	2,824	245	268	7,513	599	3,327	15,386
Heavy Gas Oils	453	8,664	8,351	530	360	18,358	1,179	9,948	36,643
Residuum	627	2,260	2,383	63	—	5,333	394	2,441	11,501
Motor Gasoline Blending Components (MGBC)	2,254	11,043	11,737	236	308	25,578	3,403	14,275	63,502
Reformulated - RBOB	144	1,065	608	—	—	1,817	—	5,016	9,528
Conventional	2,110	9,978	11,129	236	308	23,761	3,403	9,259	53,974
CBOB	1,098	3,060	5,826	170	96	10,250	1,675	2,668	22,815
GTAB	—	—	—	—	—	—	—	—	—
Other	1,012	6,918	5,303	66	212	13,511	1,728	6,591	31,159
Aviation Gasoline Blending Components	9	—	—	—	—	9	—	—	9
Finished Motor Gasoline	412	1,122	1,442	49	76	3,101	850	726	6,116
Reformulated	—	—	—	—	—	—	—	12	12
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	12	12
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	412	1,122	1,442	49	76	3,101	850	714	6,104
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	63	—	63
Ed55 and Lower	—	—	—	—	—	—	63	—	63
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	412	1,122	1,442	49	76	3,101	787	714	6,041
Finished Aviation Gasoline	28	110	138	—	—	276	11	133	520
Kerosene-Type Jet Fuel	339	2,985	2,292	100	—	5,716	278	3,802	11,979
Kerosene	15	7	73	4	—	99	2	3	289
Distillate Fuel Oil	857	7,532	6,263	374	160	15,186	1,786	5,208	31,494
15 ppm sulfur and under	815	6,776	4,726	231	160	12,708	1,578	4,458	26,558
Greater than 15 ppm to 500 ppm sulfur	38	75	641	29	—	783	160	166	1,421
Greater than 500 ppm sulfur	4	681	896	114	—	1,695	48	584	3,515
Residual Fuel Oil	99	1,912	1,390	38	28	3,467	257	2,777	8,161
Less than 0.31 percent sulfur	5	—	165	—	—	170	32	—	440
0.31 to 1.00 percent sulfur	—	166	45	38	4	253	4	440	886
Greater than 1.00 percent sulfur	94	1,746	1,180	—	24	3,044	221	2,337	6,835
Petrochemical Feedstocks	172	1,601	652	21	—	2,446	—	1	3,212
Naphtha for Petro. Feed. Use	37	943	475	21	—	1,476	—	1	2,093
Other Oils for Petro. Feed. Use	135	658	177	—	—	970	—	—	1,119
Special Naphthas	61	613	—	86	—	760	—	38	878
Lubricants	36	2,034	1,798	633	—	4,501	—	557	5,888
Waxes	—	70	137	57	—	264	—	—	684
Petroleum Coke	24	3,264	1,333	—	—	4,621	205	1,167	6,985
Marketable	24	3,264	1,333	—	—	4,621	205	1,167	6,985
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	479	243	606	1,026	243	2,597	797	782	9,914
Miscellaneous Products	32	220	91	1	20	364	22	103	616
Total Stocks, All Oils	10,959	85,856	67,248	4,996	2,170	171,229	13,732	74,298	355,056

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, March 2017

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases	2.6	0.1	2.3	3.8	1.9	2.3	3.2
Finished Motor Gasoline ¹	49.6	40.7	48.8	54.3	50.1	50.8	52.9
Finished Aviation Gasoline ²	-	-	-	-	0.4	-	0.1
Kerosene-Type Jet Fuel	8.0	-	7.2	7.7	5.9	4.3	6.7
Kerosene	0.1	-	0.1	0.0	-	0.0	0.0
Distillate Fuel Oil ³	27.9	25.9	27.7	24.7	29.2	36.1	27.9
Residual Fuel Oil	4.1	0.3	3.8	1.5	2.3	0.4	1.4
Naphtha for Petro. Feed. Use	0.5	-	0.5	0.8	0.0	-	0.5
Other Oils for Petro. Feed. Use	-	-	-	0.4	-	0.1	0.3
Special Naphthas	-	0.8	0.1	0.1	-	0.1	0.1
Lubricants	0.8	6.0	1.3	-	-	1.1	0.3
Waxes	-	0.2	0.0	-	-	0.1	0.0
Petroleum Coke	3.6	0.7	3.4	5.3	5.6	3.6	5.0
Asphalt and Road Oil	3.6	22.3	5.3	3.8	7.7	1.7	3.9
Still Gas	4.6	2.0	4.4	3.6	4.0	3.8	3.7
Miscellaneous Products	0.2	1.2	0.3	0.5	0.8	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-5.6	-0.1	-5.1	-6.4	-7.7	-4.6	-6.2

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases	4.0	5.8	5.0	1.4	0.6	5.2	2.5	2.7	4.1
Finished Motor Gasoline ¹	48.9	40.7	42.8	31.6	45.5	42.0	47.1	49.2	46.1
Finished Aviation Gasoline ²	0.4	0.1	0.1	-	-	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	9.4	10.3	10.7	2.8	-	10.2	5.0	17.5	10.1
Kerosene	0.0	-	0.0	0.1	-	0.0	-	0.0	0.0
Distillate Fuel Oil ³	28.5	31.0	30.3	36.8	35.9	30.7	34.2	20.7	28.5
Residual Fuel Oil	1.9	1.7	4.0	-2.7	1.2	2.6	1.8	4.2	2.6
Naphtha for Petro. Feed. Use	0.6	3.1	1.2	0.2	-	2.1	-	0.0	1.2
Other Oils for Petro. Feed. Use	0.1	1.6	1.6	-	-	1.5	-	-	0.8
Special Naphthas	0.4	0.5	-	4.3	-	0.4	-	0.0	0.2
Lubricants	0.1	1.4	1.0	14.2	-	1.4	-	0.9	1.0
Waxes	-	0.0	0.0	0.5	-	0.1	-	-	0.0
Petroleum Coke	1.9	6.4	5.0	2.8	1.7	5.4	4.7	5.8	5.2
Asphalt and Road Oil	1.0	0.3	1.2	10.8	8.7	1.0	5.1	1.0	2.1
Still Gas	3.9	4.3	3.6	1.6	1.7	3.9	4.0	4.8	4.0
Miscellaneous Products	0.6	0.8	0.5	0.0	0.0	0.7	0.6	0.6	0.6
Processing Gain(-) or Loss(+) ⁴	-1.6	-8.0	-7.1	-4.7	4.3	-7.0	-5.1	-7.4	-6.7

- = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

⁴ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, March 2017
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	347	144	2,427	2,918
Connecticut	-	-	-	-
Delaware	50	-	-	50
Florida	-	-	856	856
Georgia	-	-	-	-
Maine	-	-	-	-
Maryland	-	-	136	136
Massachusetts	-	-	-	-
New Hampshire	-	-	-	-
New Jersey	-	68	557	625
New York	-	75	511	586
North Carolina	-	-	-	-
Pennsylvania	297	-	175	472
Rhode Island	-	-	-	-
South Carolina	-	-	100	100
Vermont	-	1	2	3
Virginia	-	-	90	90
West Virginia	-	-	-	-
PAD District 2	-	9	32	41
Illinois	-	-	-	-
Indiana	-	-	-	-
Michigan	-	-	32	32
Minnesota	-	-	-	-
North Dakota	-	9	-	9
Ohio	-	-	-	-
Wisconsin	-	-	-	-
PAD District 3	200	285	2,449	2,934
Alabama	-	-	-	-
Louisiana	-	-	83	83
Mississippi	-	-	-	-
New Mexico	-	-	-	-
Texas	200	285	2,366	2,851
PAD District 4	-	-	-	-
Idaho	-	-	-	-
Montana	-	-	-	-
PAD District 5	-	-	973	973
Alaska	-	-	-	-
California	-	-	918	918
Hawaii	-	-	-	-
Oregon	-	-	-	-
Washington	-	-	55	55
U.S. Total	547	438	5,881	6,866

- = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, March 2017
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	24,413	74,343	103,699	8,877	38,169	249,501	8,048
Natural Gas Plant Liquids and Liquefied Refinery Gases	1,572	2,775	167	320	1,223	6,057	195
Pentanes Plus	—	6	—	—	—	6	0
Liquefied Petroleum Gases	1,572	2,769	167	320	1,223	6,051	195
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	1,038	2,029	—	277	926	4,270	138
Propylene	483	399	—	—	—	882	28
Normal Butane	—	130	—	15	291	436	14
Butylene	—	68	167	—	—	235	8
Isobutane	51	143	—	28	6	228	7
Isobutylene	—	—	—	—	—	—	—
Other Liquids	15,493	111	14,792	4	5,379	35,779	1,154
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	379	47	775	4	456	1,661	54
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	552	—	—	552	18
Methyl Tertiary Butyl Ether (MTBE)	—	—	446	—	—	446	14
Other Oxygenates ³	—	—	106	—	—	106	3
Renewable Fuels (including Fuel Ethanol)	379	46	221	4	456	1,106	36
Fuel Ethanol	—	—	—	—	—	—	—
Biomass-Based Diesel Fuel	379	46	221	4	—	650	21
Other Renewable Diesel Fuel	—	—	—	—	456	456	15
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	1	2	—	—	3	0
Unfinished Oils ¹	2,465	—	13,822	—	3,882	20,169	651
Naphthas and Lighter	274	—	—	—	—	274	9
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	996	—	11,710	—	3,551	16,257	524
Residuum	1,195	—	2,112	—	331	3,638	117
Motor Gasoline Blend.Comp. (MGBC)	12,649	64	195	—	1,041	13,949	450
Reformulated - RBOB	5,882	—	—	—	—	5,882	190
Conventional	6,767	64	195	—	1,041	8,067	260
CBOB	505	64	—	—	682	1,251	40
GTAB	1,495	—	—	—	—	1,495	48
Other	4,767	—	195	—	359	5,321	172
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	10,143	715	5,666	111	3,868	20,503	661
Finished Motor Gasoline	1,549	—	—	—	25	1,574	51
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	1,549	—	—	—	25	1,574	51
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	1,549	—	—	—	25	1,574	51
Finished Aviation Gasoline	1	—	—	—	—	1	0
Kerosene-Type Jet Fuel	1,185	—	—	7	2,627	3,819	123
Bonded Aircraft Fuel	277	—	—	—	460	737	24
Other	908	—	—	7	2,167	3,082	99
Kerosene	168	—	—	—	—	168	5
Distillate Fuel Oil	3,003	4	299	7	47	3,360	108
15 ppm sulfur and under	2,146	4	—	7	37	2,194	71
Bonded	—	—	—	—	—	—	—
Other	2,146	4	—	7	37	2,194	71
Greater than 15 ppm to 500 ppm sulfur	47	—	—	—	—	47	2
Bonded	—	—	—	—	—	—	—
Other	47	—	—	—	—	47	2
Greater than 500 ppm to 2000 ppm sulfur	810	—	—	—	10	820	26
Bonded	—	—	—	—	—	—	—
Other	810	—	—	—	10	820	26
Greater than 2000 ppm	—	—	299	—	—	299	10
Bonded	—	—	—	—	—	—	—
Other	—	—	299	—	—	299	10
Residual Fuel Oil	2,918	41	2,934	—	973	6,866	221
Less than 0.31 percent sulfur	347	—	200	—	—	547	18
0.31 to 1.00 percent sulfur	144	9	285	—	—	438	14
Greater than 1.00 percent sulfur	2,427	32	2,449	—	973	5,881	190
Petrochemical Feedstocks	—	122	1,296	—	45	1,463	47
Naphtha for Petro. Feed. Use	—	77	1,229	—	45	1,351	44
Other Oils for Petro. Feed. Use	—	45	67	—	—	112	4
Special Naphthas	—	52	343	—	—	395	13
Lubricants	316	209	608	—	19	1,152	37
Waxes	71	3	62	—	8	144	5
Petroleum Coke (Marketable)	195	28	124	—	39	386	12
Asphalt and Road Oil	737	256	—	96	85	1,174	38
Miscellaneous Products	—	—	—	1	—	1	0
Total	51,621	77,944	124,324	9,312	48,639	311,840	10,059

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-March 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	74,511	226,113	303,964	26,531	100,785	731,904	8,132
Natural Gas Plant Liquids and Liquefied Refinery Gases	6,301	9,415	1,179	1,397	3,632	21,924	244
Pentanes Plus	—	13	960	—	—	973	11
Liquefied Petroleum Gases	6,301	9,402	219	1,397	3,632	20,951	233
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	4,832	7,143	14	1,311	2,958	16,258	181
Propylene	1,202	1,191	—	—	—	2,393	27
Normal Butane	34	337	—	46	628	1,045	12
Butylene	—	239	205	—	—	444	5
Isobutane	233	492	—	40	46	811	9
Isobutylene	—	—	—	—	—	—	—
Other Liquids	51,470	1,006	42,513	33	13,406	108,428	1,205
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,018	95	2,397	15	1,099	4,624	51
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	1,356	—	—	1,356	15
Methyl Tertiary Butyl Ether (MTBE)	—	—	1,050	—	—	1,050	12
Other Oxygenates ³	—	—	306	—	—	306	3
Renewable Fuels (including Fuel Ethanol)	1,017	64	992	15	1,099	3,187	35
Fuel Ethanol	—	—	771	—	—	771	9
Biomass-Based Diesel Fuel	1,017	64	221	15	123	1,440	16
Other Renewable Diesel Fuel	—	—	—	—	976	976	11
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	1	31	49	—	—	81	1
Unfinished Oils ¹	9,459	—	36,683	—	10,433	56,575	629
Naphthas and Lighter	1,446	—	364	—	241	2,051	23
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	4,763	—	27,647	—	8,692	41,102	457
Residuum	3,250	—	8,672	—	1,500	13,422	149
Motor Gasoline Blend.Comp. (MGBC)	40,993	911	3,433	18	1,874	47,229	525
Reformulated - RBOB	18,595	—	—	—	—	18,595	207
Conventional	22,398	911	3,433	18	1,874	28,634	318
CBOB	1,904	253	—	—	1,460	3,617	40
GTAB	5,800	—	142	—	—	5,942	66
Other	14,694	658	3,291	18	414	19,075	212
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	31,799	2,229	15,070	232	13,359	62,689	697
Finished Motor Gasoline	3,226	—	—	—	389	3,615	40
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	3,226	—	—	—	389	3,615	40
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	3,226	—	—	—	389	3,615	40
Finished Aviation Gasoline	3	1	—	—	—	4	0
Kerosene-Type Jet Fuel	4,370	5	—	15	7,909	12,299	137
Bonded Aircraft Fuel	698	—	—	—	2,355	3,053	34
Other	3,672	5	—	15	5,554	9,246	103
Kerosene	168	—	—	—	—	168	2
Distillate Fuel Oil	13,729	119	710	25	669	15,252	169
15 ppm sulfur and under	9,702	108	—	25	623	10,458	116
Bonded	—	—	—	—	—	—	—
Other	9,702	108	—	25	623	10,458	116
Greater than 15 ppm to 500 ppm sulfur	124	—	—	—	—	124	1
Bonded	—	—	—	—	—	—	—
Other	124	—	—	—	—	124	1
Greater than 500 ppm to 2000 ppm sulfur	3,903	—	220	—	46	4,169	46
Bonded	—	—	—	—	—	—	—
Other	3,903	—	220	—	46	4,169	46
Greater than 2000 ppm	—	11	490	—	—	501	6
Bonded	—	—	—	—	—	—	—
Other	—	11	490	—	—	501	6
Residual Fuel Oil	7,765	261	6,834	—	3,766	18,626	207
Less than 0.31 percent sulfur	347	—	575	—	—	922	10
0.31 to 1.00 percent sulfur	580	51	285	—	—	916	10
Greater than 1.00 percent sulfur	6,838	210	5,974	—	3,766	16,788	187
Petrochemical Feedstocks	—	437	3,132	—	119	3,688	41
Naphtha for Petro. Feed. Use	—	236	2,563	—	119	2,918	32
Other Oils for Petro. Feed. Use	—	201	569	—	—	770	9
Special Naphthas	—	122	1,286	—	—	1,408	16
Lubricants	589	587	2,445	—	45	3,666	41
Waxes	175	11	125	—	82	393	4
Petroleum Coke (Marketable)	199	69	538	—	94	900	10
Asphalt and Road Oil	1,575	617	—	189	286	2,667	30
Miscellaneous Products	—	—	—	3	—	3	0
Total	164,081	238,763	362,726	28,193	131,182	924,945	10,277

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	104,053	-	-	4,783	-	-	-	-	773	773
Algeria	1,623	-	-	4,021	-	-	-	-	-	-
Angola	844	-	-	-	-	-	-	-	86	86
Ecuador	8,627	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	16,841	-	-	-	-	-	-	-	-	-
Kuwait	6,788	-	-	-	-	-	-	-	-	-
Libya	499	-	-	423	-	-	-	-	-	-
Nigeria	10,235	-	-	150	-	-	-	-	209	209
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	36,351	-	-	-	-	-	-	-	-	-
United Arab Emirates	526	-	-	-	-	-	-	-	-	-
Venezuela	21,719	-	-	189	-	-	-	-	478	478
Non-OPEC	145,448	6	6,051	15,386	-	1,574	1,574	5,882	7,294	13,176
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	1,153	-	525	525	-	-	-
Brunei	6,980	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	193	-	-	-	-	-	-
Canada	108,781	6	5,825	-	-	285	285	3,251	1,756	5,007
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	9,827	-	-	-	-	-	-	-	55	55
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	56	-	-	-	-	-	-
France	-	-	-	-	-	-	-	886	-	886
Germany	-	-	-	79	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	1,467	-	8	8	-	914	914
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	142	-	-	-	-	62	62
Korea, South	-	-	-	-	-	-	-	-	65	65
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	119	119
Malaysia	-	-	-	-	-	-	-	-	100	100
Mexico	17,055	-	31	-	-	-	-	-	-	-
Netherlands	-	-	-	750	-	7	7	-	397	397
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	370	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	188	188	-	-	-
Russia	705	-	-	8,994	-	6	6	-	1,239	1,239
Spain	-	-	-	-	-	79	79	-	1,411	1,411
Sweden	-	-	-	56	-	167	167	-	8	8
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	362	-	59	350	-	2	2	-	-	-
United Kingdom	743	-	-	9	-	307	307	1,745	632	2,377
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	995	0	136	1,767	-	0	0	0	536	536
Total	249,501	6	6,051	20,169	-	1,574	1,574	5,882	8,067	13,949
Persian Gulf³	60,506	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	446	106	-	650	456	-	2,194	47	820	299	3,360
Argentina	87	-	-	546	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	91	-	-	-	-	-	-	-	-	-	-
Brazil	-	106	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	104	-	-	2,056	47	750	-	2,853
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	4	-	-	-	4
Colombia	-	-	-	-	-	-	-	-	70	-	70
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	80	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	134	-	-	-	134
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	188	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	299	299
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	456	-	0	0	0	0	0
Total	446	106	-	650	456	-	2,194	47	820	299	3,360
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	—	—	—	325	—	547	—	525	1,072
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	10	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	315	—	200	—	525	725
Non-OPEC	168	1	—	3,494	395	—	438	5,356	5,794
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	4	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	380	126	—	85	1,038	1,123
Chad	—	—	—	—	—	—	—	—	—
China	168	—	—	75	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	515	515
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	106	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	180	180
Korea, South	—	—	—	2,614	103	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	2,131	2,131
Netherlands	—	—	—	—	—	—	—	109	109
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	491	491
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	320	320
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	315	166	0	353	467	820
Total	168	1	—	3,819	395	547	438	5,881	6,866
Persian Gulf³	—	—	—	10	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	192	66	95	—	7,306	111,359	3,357	236	3,592
Algeria	—	—	—	—	—	—	—	4,368	5,991	52	141	193
Angola	—	—	—	—	—	—	—	86	930	27	3	30
Ecuador	—	—	—	—	—	—	—	—	8,627	278	—	278
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	10	16,851	543	0	544
Kuwait	—	—	—	—	—	—	—	—	6,788	219	—	219
Libya	—	—	—	—	—	—	—	423	922	16	14	30
Nigeria	—	—	—	—	—	—	—	359	10,594	330	12	342
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	36,351	1,173	—	1,173
United Arab Emirates	—	—	—	—	—	95	—	95	621	17	3	20
Venezuela	—	—	—	192	66	—	—	1,965	23,684	701	63	764
Non-OPEC	1,351	112	144	194	1,108	1,057	1	55,033	200,481	4,692	1,775	6,467
Argentina	—	32	—	124	—	1	—	790	790	—	25	25
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	12	—	1,886	1,886	—	61	61
Brazil	—	—	—	—	—	—	—	110	7,090	225	4	229
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	193	193	—	6	6
Canada	77	45	65	68	949	331	1	17,247	126,028	3,509	556	4,065
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	63	—	—	—	—	310	310	—	10	10
Colombia	—	—	—	—	—	—	—	640	10,467	317	21	338
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	56	56	—	2	2
France	—	35	—	—	—	26	—	947	947	—	31	31
Germany	—	—	—	—	—	67	—	226	226	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	2,629	2,629	—	85	85
Indonesia	—	—	—	—	—	64	—	64	64	—	2	2
Italy	—	—	—	—	—	10	—	396	396	—	13	13
Korea, South	—	—	—	—	—	522	—	3,304	3,304	—	107	107
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	119	119	—	4	4
Malaysia	—	—	12	—	—	12	—	124	124	—	4	4
Mexico	302	—	—	—	—	—	—	2,464	19,519	550	79	630
Netherlands	19	—	1	—	—	—	—	1,471	1,471	—	47	47
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	370	370	—	12	12
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	188	188	—	6	6
Russia	—	—	—	—	—	—	—	11,029	11,734	23	356	379
Spain	—	—	—	—	159	—	—	1,649	1,649	—	53	53
Sweden	—	—	—	1	—	4	—	236	236	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	731	1,093	12	24	35
United Kingdom	274	—	—	—	—	—	—	2,967	3,710	24	96	120
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	679	0	3	1	0	8	0	4,887	5,882	32	156	188
Total	1,351	112	144	386	1,174	1,152	1	62,339	311,840	8,048	2,011	10,059
Persian Gulf³	—	—	—	—	—	95	—	105	60,611	1,952	3	1,955

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	303,957	-	-	13,931	-	-	-	-	2,754	2,754
Algeria	7,371	-	-	12,034	-	-	-	-	-	-
Angola	5,350	-	-	740	-	-	-	-	287	287
Ecuador	20,256	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	47,684	-	-	-	-	-	-	-	-	-
Kuwait	17,070	-	-	-	-	-	-	-	-	-
Libya	1,696	-	-	818	-	-	-	-	-	-
Nigeria	25,972	-	-	150	-	-	-	-	1,003	1,003
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	115,478	-	-	-	-	-	-	-	-	-
United Arab Emirates	526	-	-	-	-	-	-	-	-	-
Venezuela	62,554	-	-	189	-	-	-	-	1,464	1,464
Non-OPEC	427,947	973	20,951	42,644	-	3,615	3,615	18,595	25,880	44,475
Argentina	-	-	-	-	-	-	-	-	142	142
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	3,285	-	620	620	-	1,202	1,202
Brazil	19,576	-	-	245	-	-	-	-	14	14
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	219	-	-	-	-	-	-
Canada	316,149	13	20,019	1,628	-	1,344	1,344	9,394	6,870	16,264
Chad	1,853	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	29,877	-	-	-	-	-	-	-	886	886
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	45	-	-	-	-	45	45
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	56	-	-	-	-	151	151
France	-	-	-	269	-	-	-	2,365	164	2,529
Germany	-	-	-	166	-	107	107	-	32	32
Guatemala	809	-	-	-	-	-	-	-	-	-
India	-	-	-	1,864	-	8	8	-	2,032	2,032
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	142	-	-	-	-	633	633
Korea, South	-	-	-	-	-	-	-	-	65	65
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	810	810
Malaysia	-	-	-	-	-	-	-	-	100	100
Mexico	51,198	300	69	-	-	-	-	-	302	302
Netherlands	-	-	-	2,272	-	30	30	714	1,886	2,600
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	2,049	-	-	1,236	-	-	-	667	1,201	1,868
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	283	283	-	881	881
Russia	1,404	-	-	25,338	-	36	36	179	2,927	3,106
Spain	-	-	-	264	-	114	114	86	2,532	2,618
Sweden	-	-	511	297	-	167	167	-	585	585
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	362	-	216	350	-	2	2	-	-	-
United Kingdom	2,321	-	-	240	-	904	904	5,190	1,590	6,780
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	159	-	-	-	-	-	-	-	-	-
Other	2,190	660	136	4,728	-	0	0	0	830	830
Total	731,904	973	20,951	56,575	-	3,615	3,615	18,595	28,634	47,229
Persian Gulf³	180,758	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	69	-	69
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	69	-	69
Non-OPEC	1,050	306	771	1,440	976	-	10,458	124	4,100	501	15,183
Argentina	127	-	-	1,127	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	117	-	-	-	-	-	-	-	-	-	-
Brazil	41	306	771	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	313	-	-	8,017	124	3,679	11	11,831
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	4	-	-	-	4
Colombia	-	-	-	-	-	-	183	-	70	-	253
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	115	115
Germany	113	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	2,254	-	-	-	2,254
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	100	-	100
Netherlands	652	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	220	375	595
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	31	-	31
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	976	-	0	0	0	0	0
Total	1,050	306	771	1,440	976	-	10,458	124	4,169	501	15,252
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	—	—	—	964	37	922	—	1,790	2,712
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	10	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	8	37	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	946	—	575	—	1,790	2,365
Non-OPEC	168	4	—	11,335	1,371	—	916	14,998	15,914
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	105	105
Brazil	—	—	—	4	20	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	4	—	1,129	382	—	127	2,896	3,023
Chad	—	—	—	—	—	—	—	—	—
China	168	—	—	1,371	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	1,167	1,167
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	41	—	—	—	—
Germany	—	—	—	—	36	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	673	—	—	—	1	1
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	346	346
Korea, South	—	—	—	6,870	206	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	300	—	—	6,007	6,007
Netherlands	—	—	—	—	14	—	—	370	370
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	14	—	—	—	—
Russia	—	—	—	32	—	—	49	870	919
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	270	270
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,285	1,285
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	1,256	358	0	740	1,681	2,421
Total	168	4	—	12,299	1,408	922	916	16,788	18,626
Persian Gulf³	—	—	—	18	37	—	—	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	192	154	636	—	21,449	325,406	3,377	238	3,616
Algeria	—	—	—	—	—	—	—	12,381	19,752	82	138	219
Angola	—	—	—	—	—	—	—	1,027	6,377	59	11	71
Ecuador	—	—	—	—	—	—	—	—	20,256	225	—	225
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	10	47,694	530	0	530
Kuwait	—	—	—	—	—	—	—	—	17,070	190	—	190
Libya	—	—	—	—	—	—	—	818	2,514	19	9	28
Nigeria	—	—	—	—	—	—	—	1,153	27,125	289	13	301
Qatar	—	—	—	—	—	541	—	541	541	—	6	6
Saudi Arabia	—	—	—	—	—	—	—	45	115,523	1,283	1	1,284
United Arab Emirates	—	—	—	—	—	95	—	95	621	6	1	7
Venezuela	—	—	—	192	154	—	—	5,379	67,933	695	60	755
Non-OPEC	2,918	770	393	708	2,513	3,030	3	171,592	599,539	4,755	1,907	6,662
Argentina	—	180	—	383	—	3	—	1,962	1,962	—	22	22
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	155	—	155	155	—	2	2
Belgium	—	—	—	—	—	19	—	5,348	5,348	—	59	59
Brazil	—	—	—	—	—	—	—	1,401	20,977	218	16	233
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	219	219	—	2	2
Canada	236	201	167	162	2,021	949	3	59,720	375,869	3,513	664	4,176
Chad	—	—	—	—	—	—	—	—	1,853	21	—	21
China	—	—	142	—	—	—	—	1,685	1,685	—	19	19
Colombia	219	—	—	—	—	—	—	2,525	32,402	332	28	360
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	90	90	—	1	1
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	207	207	—	2	2
France	—	64	—	—	—	54	—	3,072	3,072	—	34	34
Germany	—	—	—	—	—	208	—	670	670	—	7	7
Guatemala	—	—	—	—	—	—	—	—	809	9	—	9
India	—	—	—	—	—	—	—	6,832	6,832	—	76	76
Indonesia	—	—	—	—	—	214	—	214	214	—	2	2
Italy	—	—	—	—	—	67	—	1,193	1,193	—	13	13
Korea, South	—	—	—	—	—	1,254	—	8,395	8,395	—	93	93
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	810	810	—	9	9
Malaysia	—	—	51	—	70	12	—	233	233	—	3	3
Mexico	882	—	—	—	—	—	—	7,960	59,158	569	88	657
Netherlands	115	—	1	—	—	—	—	6,083	6,083	—	68	68
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	325	—	—	—	—	—	3,429	5,478	23	38	61
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	1,178	1,178	—	13	13
Russia	—	—	—	—	—	18	—	30,045	31,449	16	334	349
Spain	—	—	2	—	422	—	—	3,420	3,420	—	38	38
Sweden	—	—	—	5	—	4	—	1,839	1,839	—	20	20
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,884	2,246	4	21	25
United Kingdom	327	—	—	155	—	36	—	8,442	10,763	26	94	120
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	159	2	—	2
Other	1,139	0	30	3	0	37	0	12,581	14,771	22	141	166
Total	2,918	770	393	900	2,667	3,666	3	193,041	924,945	8,132	2,145	10,277
Persian Gulf³	—	—	—	—	—	791	—	846	181,604	2,008	9	2,018

— = No Data Reported.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	13,883	-	-	978	-	-	-	-	773	773
Algeria	624	-	-	828	-	-	-	-	-	-
Angola	275	-	-	-	-	-	-	-	86	86
Ecuador	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	1,022	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	8,370	-	-	150	-	-	-	-	209	209
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	3,116	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	476	-	-	-	-	-	-	-	478	478
Non-OPEC	10,530	-	1,572	1,487	-	1,549	1,549	5,882	5,994	11,876
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	525	525	-	-	-
Brazil	1,651	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	7,226	-	1,572	-	-	260	260	3,251	1,272	4,523
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	1,496	-	-	-	-	-	-	-	55	55
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	886	-	886
Germany	-	-	-	20	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	8	8	-	914	914
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	62	62
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	119	119
Malaysia	-	-	-	-	-	-	-	-	100	100
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	262	-	7	7	-	397	397
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	188	188	-	-	-
Russia	-	-	-	787	-	6	6	-	1,239	1,239
Spain	-	-	-	-	-	79	79	-	1,216	1,216
Sweden	-	-	-	56	-	167	167	-	8	8
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	2	2	-	-	-
United Kingdom	157	-	-	-	-	307	307	1,745	301	2,046
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	362	-	0	0	0	311	311
Total	24,413	-	1,572	2,465	-	1,549	1,549	5,882	6,767	12,649
Persian Gulf³	4,138	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	379	-	-	2,146	47	810	-	3,003
Argentina	-	-	-	325	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	54	-	-	2,008	47	740	-	2,795
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	4	-	-	-	4
Colombia	-	-	-	-	-	-	-	-	70	-	70
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	134	-	-	-	134
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0	-	0
Total	-	-	-	379	-	-	2,146	47	810	-	3,003
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	—	—	—	318	—	347	—	217	564
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	3	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	315	—	—	—	217	217
Non-OPEC	168	1	—	867	—	—	144	2,210	2,354
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	4	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	380	—	—	76	951	1,027
Chad	—	—	—	—	—	—	—	—	—
China	168	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	515	515
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	106	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	377	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	303	303
Netherlands	—	—	—	—	—	—	—	109	109
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	4	4
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	320	320
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	—	0	68	8	76
Total	168	1	—	1,185	—	347	144	2,427	2,918
Persian Gulf³	—	—	—	3	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	192	66	30	-	2,921	16,804	448	94	542
Algeria	-	-	-	-	-	-	-	1,175	1,799	20	38	58
Angola	-	-	-	-	-	-	-	86	361	9	3	12
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	3	1,025	33	0	33
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	359	8,729	270	12	282
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	3,116	101	-	101
United Arab Emirates	-	-	-	-	-	30	-	30	30	-	1	1
Venezuela	-	-	-	192	66	-	-	1,268	1,744	15	41	56
Non-OPEC	-	-	71	3	671	286	-	24,287	34,817	340	783	1,123
Argentina	-	-	-	-	-	-	-	325	325	-	10	10
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	6	-	531	531	-	17	17
Brazil	-	-	-	-	-	-	-	4	1,655	53	0	53
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	61	2	512	118	-	11,305	18,531	233	365	598
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	5	-	-	-	-	177	177	-	6	6
Colombia	-	-	-	-	-	-	-	640	2,136	48	21	69
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	6	-	892	892	-	29	29
Germany	-	-	-	-	-	8	-	28	28	-	1	1
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	1,162	1,162	-	37	37
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	1	-	63	63	-	2	2
Korea, South	-	-	-	-	-	143	-	520	520	-	17	17
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	119	119	-	4	4
Malaysia	-	-	1	-	-	-	-	101	101	-	3	3
Mexico	-	-	-	-	-	-	-	303	303	-	10	10
Netherlands	-	-	1	-	-	-	-	776	776	-	25	25
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	188	188	-	6	6
Russia	-	-	-	-	-	-	-	2,036	2,036	-	66	66
Spain	-	-	-	-	159	-	-	1,454	1,454	-	47	47
Sweden	-	-	-	-	-	4	-	235	235	-	8	8
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	322	322	-	10	10
United Kingdom	-	-	-	-	-	-	-	2,353	2,510	5	76	81
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	3	1	0	0	-	753	753	1	23	24
Total	-	-	71	195	737	316	-	27,208	51,621	788	878	1,665
Persian Gulf³	-	-	-	-	-	30	-	33	4,171	133	1	135

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	1,120	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,120	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	73,223	6	2,769	-	-	-	-	-	64	64
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	73,223	6	2,769	-	-	-	-	-	64	64
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	74,343	6	2,769	-	-	-	-	-	64	64
Persian Gulf³	1,120	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	46	-	-	4	-	-	-	4
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	46	-	-	4	-	-	-	4
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	-	-	-	0
Total	-	-	-	46	-	-	4	-	-	-	4
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	52	-	9	32	41
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	52	-	9	32	41
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0
Total	-	-	-	-	52	-	9	32	41
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	-	1,120	36	-	36
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	1,120	36	-	-	36
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	77	45	3	28	256	209	-	3,601	76,824	2,362	116	2,478
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	77	45	3	27	256	209	-	3,600	76,823	2,362	116	2,478
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	1	-	-	-	1	1	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	0	-	0	0	0	0	0
Total	77	45	3	28	256	209	-	3,601	77,944	2,398	116	2,514
Persian Gulf³	-	-	-	-	-	-	-	-	1,120	36	-	36

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	65,317	-	-	3,037	-	-	-	-	-	-
Algeria	999	-	-	2,425	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	981	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	14,262	-	-	-	-	-	-	-	-	-
Kuwait	5,190	-	-	-	-	-	-	-	-	-
Libya	-	-	-	423	-	-	-	-	-	-
Nigeria	1,865	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	20,777	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	21,243	-	-	189	-	-	-	-	-	-
Non-OPEC	38,382	-	167	10,785	-	-	-	-	195	195
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	1,153	-	-	-	-	-	-
Brunei	4,741	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	193	-	-	-	-	-	-
Canada	11,897	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	3,986	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	56	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	59	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	1,467	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	142	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	15,815	-	31	-	-	-	-	-	-	-
Netherlands	-	-	-	488	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	370	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	5,918	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	195	195
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	362	-	-	-	-	-	-	-	-	-
United Kingdom	586	-	-	9	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	995	-	136	930	-	-	-	-	0	0
Total	103,699	-	167	13,822	-	-	-	-	195	195
Persian Gulf³	40,229	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	446	106	-	221	-	-	-	-	-	299	299
Argentina	87	-	-	221	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	91	-	-	-	-	-	-	-	-	-	-
Brazil	-	106	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	80	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	188	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	299	299
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	-	-	-	0	0
Total	446	106	-	221	-	-	-	-	-	299	299
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	-	-	-	-	-	200	-	308	508
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	200	-	308	508
Non-OPEC	-	-	-	-	343	-	285	2,141	2,426
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	105	105
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	74	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	103	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	1,549	1,549
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	487	487
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	166	0	285	0	285
Total	-	-	-	-	343	200	285	2,449	2,934
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	65	—	3,610	68,927	2,107	116	2,223
Algeria	—	—	—	—	—	—	—	2,425	3,424	32	78	110
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	981	32	—	32
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	14,262	460	—	460
Kuwait	—	—	—	—	—	—	—	—	5,190	167	—	167
Libya	—	—	—	—	—	—	—	423	423	—	14	14
Nigeria	—	—	—	—	—	—	—	—	1,865	60	—	60
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	20,777	670	—	670
United Arab Emirates	—	—	—	—	—	65	—	65	65	—	2	2
Venezuela	—	—	—	—	—	—	—	697	21,940	685	22	708
Non-OPEC	1,229	67	62	124	—	543	—	17,015	55,397	1,238	549	1,787
Argentina	—	32	—	124	—	1	—	465	465	—	15	15
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	6	—	1,355	1,355	—	44	44
Brazil	—	—	—	—	—	—	—	106	4,847	153	3	156
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	193	193	—	6	6
Canada	—	—	—	—	—	—	—	74	11,971	384	2	386
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	52	—	—	—	—	52	52	—	2	2
Colombia	—	—	—	—	—	—	—	—	3,986	129	—	129
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	56	56	—	2	2
France	—	35	—	—	—	20	—	55	55	—	2	2
Germany	—	—	—	—	—	59	—	198	198	—	6	6
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	1,467	1,467	—	47	47
Indonesia	—	—	—	—	—	64	—	64	64	—	2	2
Italy	—	—	—	—	—	9	—	153	153	—	5	5
Korea, South	—	—	—	—	—	364	—	467	467	—	15	15
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	10	—	—	12	—	22	22	—	1	1
Mexico	302	—	—	—	—	—	—	1,882	17,697	510	61	571
Netherlands	19	—	—	—	—	—	—	695	695	—	22	22
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	370	370	—	12	12
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	6,704	6,704	—	216	216
Spain	—	—	—	—	—	—	—	195	195	—	6	6
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	362	12	—	12
United Kingdom	274	—	—	—	—	—	—	283	869	19	9	28
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	634	0	0	0	—	8	—	2,159	3,154	31	71	102
Total	1,229	67	62	124	—	608	—	20,625	124,324	3,345	665	4,010
Persian Gulf³	—	—	—	—	—	65	—	65	40,294	1,298	2	1,300

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	8,877	-	320	-	-	-	-	-	-	-
Canada	8,877	-	320	-	-	-	-	-	-	-
Other	0	-	0	-	-	-	-	-	-	-
Total	8,877	-	320	-	-	-	-	-	-	-
PAD District 5										
OPEC	23,733	-	-	768	-	-	-	-	-	-
Algeria	-	-	-	768	-	-	-	-	-	-
Angola	569	-	-	-	-	-	-	-	-	-
Ecuador	7,646	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	1,557	-	-	-	-	-	-	-	-	-
Kuwait	1,598	-	-	-	-	-	-	-	-	-
Libya	499	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	11,338	-	-	-	-	-	-	-	-	-
United Arab Emirates	526	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	14,436	-	1,223	3,114	-	25	25	-	1,041	1,041
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	588	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	7,558	-	1,164	-	-	25	25	-	420	420
China	-	-	-	-	-	-	-	-	-	-
Colombia	4,345	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	204	204
Korea, South	-	-	-	-	-	-	-	-	65	65
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,240	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	110	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	21	21
United Kingdom	-	-	-	-	-	-	-	-	331	331
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	705	-	59	3,004	-	0	0	-	0	0
Total	38,169	-	1,223	3,882	-	25	25	-	1,041	1,041
Persian Gulf³	15,019	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	4	-	-	7	-	-	-	7
Canada	-	-	-	4	-	-	7	-	-	-	7
Other	-	-	-	0	-	-	0	-	-	-	0
Total	-	-	-	4	-	-	7	-	-	-	7
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	456	-	37	-	10	-	47
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	37	-	10	-	47
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	456	-	0	-	0	-	0
Total	-	-	-	-	456	-	37	-	10	-	47
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
PAD District 4									
OPEC	-	-	-	7	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	7	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	-	-	-
Total	-	-	-	7	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	2,627	-	-	-	973	973
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	55	55
China	-	-	-	75	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	315	-	-	-	-	-
Korea, South	-	-	-	2,237	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	279	279
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	402	402
Singapore	-	-	-	-	-	-	-	57	57
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	-	180	180
Total	-	-	-	2,627	-	-	-	973	973
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
PAD District 4												
OPEC	-	-	-	-	-	-	-	7	7	-	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	7	7	-	0	0
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	96	-	1	428	9,305	286	14	300
Canada	-	-	-	-	96	-	1	428	9,305	286	14	300
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	96	-	1	435	9,312	286	14	300
PAD District 5												
OPEC	-	-	-	-	-	-	-	768	24,501	766	25	790
Algeria	-	-	-	-	-	-	-	768	768	-	25	25
Angola	-	-	-	-	-	-	-	-	569	18	-	18
Ecuador	-	-	-	-	-	-	-	-	7,646	247	-	247
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	1,557	50	-	50
Kuwait	-	-	-	-	-	-	-	-	1,598	52	-	52
Libya	-	-	-	-	-	-	-	-	499	16	-	16
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	11,338	366	-	366
United Arab Emirates	-	-	-	-	-	-	-	-	526	17	-	17
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	45	-	8	39	85	19	-	9,702	24,138	466	313	779
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	588	19	-	19
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	1	39	85	4	-	1,840	9,398	244	59	303
China	-	-	6	-	-	-	-	81	81	-	3	3
Colombia	-	-	-	-	-	-	-	-	4,345	140	-	140
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	519	519	-	17	17
Korea, South	-	-	-	-	-	15	-	2,317	2,317	-	75	75
Malaysia	-	-	1	-	-	-	-	1	1	-	0	0
Mexico	-	-	-	-	-	-	-	279	1,519	40	9	49
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	512	512	-	17	17
Singapore	-	-	-	-	-	-	-	513	513	-	17	17
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	21	21	-	1	1
United Kingdom	-	-	-	-	-	-	-	331	331	-	11	11
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	45	-	0	0	0	0	-	3,288	3,993	23	104	127
Total	45	-	8	39	85	19	-	10,470	48,639	1,231	338	1,569
Persian Gulf³	-	-	-	-	-	-	-	-	15,019	484	-	484

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	43,176	-	-	3,434	-	-	-	-	2,525	2,525
Algeria	4,255	-	-	3,284	-	-	-	-	-	-
Angola	2,517	-	-	-	-	-	-	-	287	287
Ecuador	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	4,556	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	20,511	-	-	150	-	-	-	-	1,003	1,003
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	8,382	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	2,955	-	-	-	-	-	-	-	1,235	1,235
Non-OPEC	31,335	-	6,301	6,025	-	3,226	3,226	18,595	19,873	38,468
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	714	-	620	620	-	545	545
Burundi	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	18,222	-	5,790	194	-	955	955	9,394	4,617	14,011
Chad	951	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	3,931	-	-	-	-	-	-	-	658	658
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	45	45
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	151	151
France	-	-	-	-	-	-	-	2,365	164	2,529
Germany	-	-	-	20	-	107	107	-	32	32
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	8	8	-	2,032	2,032
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	633	633
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	495	495
Malaysia	-	-	-	-	-	-	-	-	100	100
Mexico	198	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	608	-	30	30	714	1,231	1,945
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	2,049	-	-	-	-	-	-	667	1,201	1,868
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	283	283	-	881	881
Russia	-	-	-	2,907	-	36	36	179	2,927	3,106
Spain	-	-	-	264	-	114	114	86	1,751	1,837
Sweden	-	-	511	223	-	167	167	-	585	585
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	2	2	-	-	-
United Kingdom	645	-	-	186	-	904	904	5,190	1,220	6,410
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	909	-	0	0	0	605	605
Total	74,511	-	6,301	9,459	-	3,226	3,226	18,595	22,398	40,993
Persian Gulf³	12,938	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	69	-	69
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	69	-	69
Non-OPEC	-	-	-	1,017	-	-	9,702	124	3,834	-	13,660
Argentina	-	-	-	906	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	111	-	-	7,261	124	3,633	-	11,018
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	4	-	-	-	4
Colombia	-	-	-	-	-	-	183	-	70	-	253
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	2,254	-	-	-	2,254
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	100	-	100
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	31	-	31
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0	-	0
Total	-	-	-	1,017	-	-	9,702	124	3,903	-	13,729
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	—	—	—	943	—	347	—	791	1,138
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	3	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	940	—	—	—	791	791
Non-OPEC	168	3	—	3,427	—	—	580	6,047	6,627
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	4	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3	—	1,129	—	—	76	2,103	2,179
Chad	—	—	—	—	—	—	—	—	—
China	168	—	—	262	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	1,167	1,167
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	673	—	—	—	1	1
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	1,359	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	780	780
Netherlands	—	—	—	—	—	—	—	109	109
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	49	4	53
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	270	270
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,285	1,285
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	—	0	455	328	783
Total	168	3	—	4,370	—	347	580	6,838	7,765
Persian Gulf³	—	—	—	3	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	192	154	30	-	8,485	51,661	480	94	574
Algeria	-	-	-	-	-	-	-	3,631	7,886	47	40	88
Angola	-	-	-	-	-	-	-	287	2,804	28	3	31
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	3	4,559	51	0	51
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	1,153	21,664	228	13	241
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	8,382	93	-	93
United Arab Emirates	-	-	-	-	-	30	-	30	30	-	0	0
Venezuela	-	-	-	192	154	-	-	3,381	6,336	33	38	70
Non-OPEC	-	-	175	7	1,421	559	-	81,085	112,420	348	901	1,249
Argentina	-	-	-	-	-	-	-	906	906	-	10	10
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	7	-	1,886	1,886	-	21	21
Brazil	-	-	-	-	-	-	-	4	5,343	59	0	59
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	155	4	999	349	-	36,897	55,119	202	410	612
Chad	-	-	-	-	-	-	-	-	951	11	-	11
China	-	-	11	-	-	-	-	445	445	-	5	5
Colombia	-	-	-	-	-	-	-	2,078	6,009	44	23	67
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	45	45	-	1	1
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	151	151	-	2	2
France	-	-	-	-	-	15	-	2,544	2,544	-	28	28
Germany	-	-	-	-	-	21	-	180	180	-	2	2
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	4,968	4,968	-	55	55
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	2	-	635	635	-	7	7
Korea, South	-	-	-	-	-	143	-	1,502	1,502	-	17	17
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	495	495	-	6	6
Malaysia	-	-	1	-	-	-	-	101	101	-	1	1
Mexico	-	-	-	-	-	-	-	880	1,078	2	10	12
Netherlands	-	-	1	-	-	-	-	2,693	2,693	-	30	30
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	1,868	3,917	23	21	44
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	1,164	1,164	-	13	13
Russia	-	-	-	-	-	18	-	6,121	6,121	-	68	68
Spain	-	-	2	-	422	-	-	2,639	2,639	-	29	29
Sweden	-	-	-	-	-	4	-	1,760	1,760	-	20	20
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	1,318	1,318	-	15	15
United Kingdom	-	-	-	-	-	-	-	7,500	8,145	7	83	91
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	5	3	0	0	-	2,305	2,305	0	24	23
Total	-	-	175	199	1,575	589	-	89,570	164,081	828	995	1,823
Persian Gulf³	-	-	-	-	-	30	-	33	12,971	144	0	144

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	6,940	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	6,889	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	51	-	-	-	-	-	-	-	-	-
Non-OPEC	219,173	13	9,402	-	-	-	-	-	911	911
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	219,173	13	9,402	-	-	-	-	-	911	911
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	226,113	13	9,402	-	-	-	-	-	911	911
Persian Gulf³	6,889	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	64	-	-	108	-	-	11	119
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	64	-	-	108	-	-	11	119
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	-	-	0	0
Total	-	-	-	64	-	-	108	-	-	11	119
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	-	-	-	5	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	5	-	-	-	-	-
Non-OPEC	-	1	-	-	122	-	51	210	261
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	1	-	-	122	-	51	210	261
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	0	-	0	0	0
Total	-	1	-	5	122	-	51	210	261
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	5	6,945	77	0	77
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	6,889	77	-	77
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	5	56	1	0	1
Non-OPEC	236	201	11	69	617	587	-	12,645	231,818	2,435	141	2,576
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	236	201	11	64	617	587	-	12,640	231,813	2,435	140	2,576
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	5	-	-	-	5	5	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	0	-	0	0	0	1	0
Total	236	201	11	69	617	587	-	12,650	238,763	2,512	141	2,653
Persian Gulf³	-	-	-	-	-	-	-	-	6,889	77	-	77

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	194,193	-	-	8,584	-	-	-	-	229	229
Algeria	3,116	-	-	7,232	-	-	-	-	-	-
Angola	1,361	-	-	740	-	-	-	-	-	-
Ecuador	2,730	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	40,061	-	-	-	-	-	-	-	-	-
Kuwait	11,544	-	-	-	-	-	-	-	-	-
Libya	581	-	-	423	-	-	-	-	-	-
Nigeria	3,324	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	71,928	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	59,548	-	-	189	-	-	-	-	229	229
Non-OPEC	109,771	960	219	28,099	-	-	-	-	3,204	3,204
Argentina	-	-	-	-	-	-	-	-	142	142
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	2,571	-	-	-	-	657	657
Brazil	10,890	-	-	245	-	-	-	-	14	14
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	219	-	-	-	-	-	-
Canada	32,020	-	14	220	-	-	-	-	71	71
Chad	902	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	13,107	-	-	-	-	-	-	-	228	228
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	45	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	56	-	-	-	-	-	-
France	-	-	-	269	-	-	-	-	-	-
Germany	-	-	-	146	-	-	-	-	-	-
Guatemala	809	-	-	-	-	-	-	-	-	-
India	-	-	-	1,864	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	142	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	315	315
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	49,010	300	69	-	-	-	-	-	302	302
Netherlands	-	-	-	1,664	-	-	-	-	655	655
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	1,236	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	16,492	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	781	781
Sweden	-	-	-	74	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	362	-	-	-	-	-	-	-	-	-
United Kingdom	1,676	-	-	54	-	-	-	-	39	39
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	995	660	136	2,802	-	-	-	-	0	0
Total	303,964	960	219	36,683	-	-	-	-	3,433	3,433
Persian Gulf³	123,533	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,050	306	771	221	-	-	-	-	220	490	710
Argentina	127	-	-	221	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	117	-	-	-	-	-	-	-	-	-	-
Brazil	41	306	771	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	115	115
Germany	113	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	652	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	220	375	595
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	-	-	-	0	0	0
Total	1,050	306	771	221	-	-	-	-	220	490	710
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	-	-	-	-	37	575	-	999	1,574
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	37	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	575	-	999	1,574
Non-OPEC	-	-	-	-	1,249	-	285	4,975	5,260
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	105	105
Brazil	-	-	-	-	20	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	260	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	41	-	-	-	-
Germany	-	-	-	-	36	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	206	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	300	-	-	4,004	4,004
Netherlands	-	-	-	-	14	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	14	-	-	-	-
Russia	-	-	-	-	-	-	-	866	866
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	358	0	285	0	285
Total	-	-	-	-	1,286	575	285	5,974	6,834
Persian Gulf³	-	-	-	-	37	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	606	—	11,030	205,223	2,158	123	2,280
Algeria	—	—	—	—	—	—	—	7,232	10,348	35	80	115
Angola	—	—	—	—	—	—	—	740	2,101	15	8	23
Ecuador	—	—	—	—	—	—	—	—	2,730	30	—	30
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	40,061	445	—	445
Kuwait	—	—	—	—	—	—	—	—	11,544	128	—	128
Libya	—	—	—	—	—	—	—	423	1,004	6	5	11
Nigeria	—	—	—	—	—	—	—	—	3,324	37	—	37
Qatar	—	—	—	—	—	541	—	541	541	—	6	6
Saudi Arabia	—	—	—	—	—	—	—	37	71,965	799	0	800
United Arab Emirates	—	—	—	—	—	65	—	65	65	—	1	1
Venezuela	—	—	—	—	—	—	—	1,992	61,540	662	22	684
Non-OPEC	2,563	569	125	538	—	1,839	—	47,732	157,503	1,220	530	1,750
Argentina	—	180	—	383	—	3	—	1,056	1,056	—	12	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	155	—	155	155	—	2	2
Brazil	—	—	—	—	—	12	—	3,462	3,462	—	38	38
Burundi	—	—	—	—	—	—	—	1,397	12,287	121	16	137
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	219	219	—	2	2
Canada	—	—	—	—	—	—	—	565	32,585	356	6	362
Chad	—	—	—	—	—	—	—	—	902	10	—	10
China	—	—	77	—	—	—	—	77	77	—	1	1
Colombia	219	—	—	—	—	—	—	447	13,554	146	5	151
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	45	45	—	1	1
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	56	56	—	1	1
France	—	64	—	—	—	39	—	528	528	—	6	6
Germany	—	—	—	—	—	187	—	490	490	—	5	5
Guatemala	—	—	—	—	—	—	—	—	809	9	—	9
India	—	—	—	—	—	—	—	1,864	1,864	—	21	21
Indonesia	—	—	—	—	—	214	—	214	214	—	2	2
Italy	—	—	—	—	—	65	—	212	212	—	2	2
Korea, South	—	—	—	—	—	1,080	—	1,286	1,286	—	14	14
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	315	315	—	4	4
Malaysia	—	—	48	—	—	12	—	60	60	—	1	1
Mexico	882	—	—	—	—	—	—	5,857	54,867	545	65	610
Netherlands	115	—	—	—	—	—	—	3,129	3,129	—	35	35
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	325	—	—	—	—	—	1,561	1,561	—	17	17
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	14	14	—	0	0
Russia	—	—	—	—	—	—	—	17,953	17,953	—	199	199
Spain	—	—	—	—	—	—	—	781	781	—	9	9
Sweden	—	—	—	—	—	—	—	74	74	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	362	4	—	4
United Kingdom	327	—	—	155	—	36	—	611	2,287	19	7	25
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,020	0	0	0	—	36	—	5,304	6,299	10	58	69
Total	2,563	569	125	538	—	2,445	—	58,762	362,726	3,377	653	4,030
Persian Gulf³	—	—	—	—	—	761	—	798	124,331	1,373	9	1,381

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	26,531	-	1,397	-	-	-	-	-	18	18
Canada	26,531	-	1,397	-	-	-	-	-	18	18
Other	0	-	0	-	-	-	-	-	0	0
Total	26,531	-	1,397	-	-	-	-	-	18	18
PAD District 5										
OPEC	59,648	-	-	1,913	-	-	-	-	-	-
Algeria	-	-	-	1,518	-	-	-	-	-	-
Angola	1,472	-	-	-	-	-	-	-	-	-
Ecuador	17,526	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	3,067	-	-	-	-	-	-	-	-	-
Kuwait	5,526	-	-	-	-	-	-	-	-	-
Libya	1,115	-	-	395	-	-	-	-	-	-
Nigeria	2,137	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	28,279	-	-	-	-	-	-	-	-	-
United Arab Emirates	526	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	41,137	-	3,632	8,520	-	389	389	-	1,874	1,874
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	3,347	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	20,203	-	3,416	1,214	-	389	389	-	1,253	1,253
China	-	-	-	-	-	-	-	-	-	-
Colombia	12,839	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	204	204
Korea, South	-	-	-	-	-	-	-	-	65	65
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,990	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	652	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	21	21
United Kingdom	-	-	-	-	-	-	-	-	331	331
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	2,758	-	216	6,654	-	0	0	-	0	0
Total	100,785	-	3,632	10,433	-	389	389	-	1,874	1,874
Persian Gulf³	37,398	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	15	-	-	25	-	-	-	25
Canada	-	-	-	15	-	-	25	-	-	-	25
Other	-	-	-	0	-	-	0	-	-	-	0
Total	-	-	-	15	-	-	25	-	-	-	25
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	123	976	-	623	-	46	-	669
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	123	-	-	623	-	46	-	669
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	976	-	0	-	0	-	0
Total	-	-	-	123	976	-	623	-	46	-	669
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
PAD District 4									
OPEC	-	-	-	15	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	7	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	-	-	-
Total	-	-	-	15	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	1	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	1	-	-	-	-	-
Non-OPEC	-	-	-	7,908	-	-	-	3,766	3,766
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	583	583
China	-	-	-	1,109	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	1,256	-	-	-	-	-
Korea, South	-	-	-	5,511	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	1,223	1,223
Netherlands	-	-	-	-	-	-	-	261	261
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	920	920
Singapore	-	-	-	-	-	-	-	150	150
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	32	-	-	-	629	629
Total	-	-	-	7,909	-	-	-	3,766	3,766
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-March 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
PAD District 4												
OPEC	-	-	-	-	-	-	-	15	15	-	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	7	7	-	0	0
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	189	-	3	1,647	28,178	295	18	313
Canada	-	-	-	-	189	-	3	1,647	28,178	295	18	313
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	189	-	3	1,662	28,193	295	18	313
PAD District 5												
OPEC	-	-	-	-	-	-	-	1,914	61,562	663	21	684
Algeria	-	-	-	-	-	-	-	1,518	1,518	-	17	17
Angola	-	-	-	-	-	-	-	-	1,472	16	-	16
Ecuador	-	-	-	-	-	-	-	-	17,526	195	-	195
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	3,067	34	-	34
Kuwait	-	-	-	-	-	-	-	-	5,526	61	-	61
Libya	-	-	-	-	-	-	-	395	1,510	12	4	17
Nigeria	-	-	-	-	-	-	-	-	2,137	24	-	24
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	28,279	314	-	314
United Arab Emirates	-	-	-	-	-	-	-	-	526	6	-	6
Venezuela	-	-	-	-	-	-	-	1	1	-	0	0
Non-OPEC	119	-	82	94	286	45	-	28,483	69,620	457	316	774
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	3,347	37	-	37
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	1	94	216	13	-	7,971	28,174	224	89	313
China	-	-	54	-	-	-	-	1,163	1,163	-	13	13
Colombia	-	-	-	-	-	-	-	-	12,839	143	-	143
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	25	-	-	1	-	1,486	1,486	-	17	17
Korea, South	-	-	-	-	-	31	-	5,607	5,607	-	62	62
Malaysia	-	-	2	-	70	-	-	72	72	-	1	1
Mexico	-	-	-	-	-	-	-	1,223	3,213	22	14	36
Netherlands	-	-	-	-	-	-	-	261	261	-	3	3
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	1,572	1,572	-	17	17
Singapore	-	-	-	-	-	-	-	1,126	1,126	-	13	13
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	74	-	-	-	-	-	-	95	95	-	1	1
United Kingdom	-	-	-	-	-	-	-	331	331	-	4	4
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	45	-	0	0	0	0	-	7,576	10,334	31	82	114
Total	119	-	82	94	286	45	-	30,397	131,182	1,120	338	1,458
Persian Gulf ³	-	-	-	-	-	-	-	-	37,398	416	-	416

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, March 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	91	6,025	19,663	66	-	25,845	834
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	3,774	6,444	35,606	65	1,598	47,486	1,532
Pentanes Plus	140	4,947	15	34	18	5,153	166
Liquefied Petroleum Gases	3,634	1,497	35,591	32	1,580	42,333	1,366
Ethane/Ethylene	1,297	949	3,052	-	0	5,297	171
Propane/Propylene	2,294	236	27,653	0	1,121	31,305	1,010
Normal Butane/Butylene	43	312	4,744	31	458	5,588	180
Isobutane/Isobutylene	-	0	142	-	-	143	5
Other Liquids	1,625	781	12,090	15	663	15,174	489
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	80	579	4,328	-	276	5,263	170
Hydrogen	-	-	-	-	-	-	-
Oxygenates (excluding Fuel Ethanol)	2	2	2,077	-	2	2,082	67
Methyl Tertiary Butyl Ether (MTBE)	0	-	1,124	-	-	1,124	36
Other Oxygenates	1	2	953	-	2	958	31
Renewable Fuels (including Fuel Ethanol) ...	78	577	2,251	-	275	3,181	103
Fuel Ethanol	69	473	2,238	-	265	3,044	98
Biomass-Based Diesel	10	104	13	-	10	136	4
Other Renewable Diesel	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils	1,528	144	5,446	15	139	7,272	235
Naphthas and Lighter	1,506	140	5,302	15	137	7,100	229
Kerosene and Light Gas Oils	22	4	144	0	2	172	6
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)	18	58	2,315	0	248	2,640	85
Reformulated	1	0	4	-	0	6	0
Conventional	17	58	2,311	0	248	2,634	85
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	4,062	1,267	77,280	33	11,314	93,956	3,031
Finished Motor Gasoline	426	396	16,362	1	1,094	18,279	590
Reformulated	-	-	-	-	-	-	-
Conventional	426	396	16,362	1	1,094	18,279	590
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	147	41	4,632	-	854	5,674	183
Kerosene	2	4	107	-	3	116	4
Distillate Fuel Oil	1,324	162	30,255	-	4,314	36,055	1,163
15 ppm sulfur and under	11	3	26,242	-	2,709	28,965	934
Greater than 15 ppm to 500 ppm sulfur	1,213	58	3,160	-	220	4,652	150
Greater than 500 ppm sulfur	100	100	852	-	1,385	2,438	79
Residual Fuel Oil	1,497	217	5,602	19	332	7,667	247
Naphtha for Petro. Feed. Use	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	179	182	3,034	12	273	3,680	119
Waxes	73	32	16	-	5	126	4
Petroleum Coke	292	148	17,132	-	4,403	21,975	709
Asphalt and Road Oil	106	84	131	1	36	358	12
Miscellaneous Products	15	0	10	-	0	26	1
Total	9,552	14,516	144,638	180	13,576	182,461	5,886

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-March 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	2,423	18,398	58,821	153	425	80,220	891
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	15,262	13,057	97,236	1,123	3,126	129,805	1,442
Pentanes Plus	8,010	7,544	108	1,078	53	16,793	187
Liquefied Petroleum Gases	7,252	5,514	97,128	45	3,073	113,013	1,256
Ethane/Ethylene	3,283	4,527	5,452	-	0	13,263	147
Propane/Propylene	3,870	411	82,727	0	2,613	89,621	996
Normal Butane/Butylene	97	575	8,495	45	460	9,672	107
Isobutane/Isobutylene	2	0	455	-	-	457	5
Other Liquids	5,665	3,423	36,257	53	2,249	47,648	529
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	110	1,753	12,861	0	1,029	15,753	175
Hydrogen	-	-	-	-	-	-	-
Oxygenates (excluding Fuel Ethanol)	4	3	6,209	-	5	6,221	69
Methyl Tertiary Butyl Ether (MTBE)	0	0	3,671	-	-	3,672	41
Other Oxygenates	3	3	2,538	-	5	2,549	28
Renewable Fuels (including Fuel Ethanol) ...	106	1,750	6,652	0	1,024	9,532	106
Fuel Ethanol	89	1,634	6,574	-	997	9,295	103
Biomass-Based Diesel	17	116	78	0	27	237	3
Other Renewable Diesel	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils	5,526	1,609	16,009	53	336	23,533	261
Naphthas and Lighter	5,133	1,589	13,458	52	319	20,551	228
Kerosene and Light Gas Oils	393	20	2,551	1	17	2,982	33
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)	29	62	7,387	0	885	8,363	93
Reformulated	2	0	18	-	1	21	0
Conventional	27	62	7,369	0	883	8,342	93
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	13,407	4,118	229,907	96	34,078	281,606	3,129
Finished Motor Gasoline	1,836	492	55,788	1	5,327	63,443	705
Reformulated	-	-	-	-	-	-	-
Conventional	1,836	492	55,788	1	5,327	63,443	705
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	194	815	12,268	-	2,656	15,932	177
Kerosene	7	5	158	-	9	178	2
Distillate Fuel Oil	4,706	964	89,117	-	11,699	106,486	1,183
15 ppm sulfur and under	2,257	6	77,644	-	7,346	87,253	969
Greater than 15 ppm to 500 ppm sulfur	2,349	676	9,197	-	779	13,001	144
Greater than 500 ppm sulfur	101	282	2,276	-	3,574	6,233	69
Residual Fuel Oil	4,178	811	21,360	58	1,403	27,809	309
Naphtha for Petro. Feed. Use	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	556	517	8,942	30	513	10,559	117
Waxes	192	77	61	1	18	348	4
Petroleum Coke	1,395	237	41,296	0	12,374	55,302	614
Asphalt and Road Oil	299	199	786	6	79	1,369	15
Miscellaneous Products	46	0	133	-	1	180	2
Total	36,757	38,996	422,222	1,426	39,879	539,280	5,992

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2017
(Thousand Barrels)

Destination	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	251	—	—	0	—	242	242	—	—	—
Australia	—	0	575	2	—	1	1	—	0	0
Bahamas	524	1	36	—	—	49	49	—	1	1
Bahrain	—	—	—	—	—	2	2	—	—	—
Belgium	—	—	204	14	—	—	—	—	0	0
Belize	—	—	—	0	—	—	—	—	—	—
Brazil	—	—	2,018	547	—	970	970	—	0	0
Canada	9,121	5,107	1,637	1,665	—	476	476	—	628	628
Cayman Islands	—	—	—	0	—	23	23	—	0	0
Chile	—	0	577	6	—	375	375	—	—	—
China	3,618	0	5,248	86	—	9	9	—	4	4
Colombia	998	0	165	1,146	—	1,625	1,625	—	0	0
Costa Rica	—	—	0	10	—	331	331	—	193	193
Denmark	357	—	—	0	—	—	—	—	—	—
Dominican Republic	—	0	1,093	0	—	352	352	—	51	51
Ecuador	—	0	—	0	—	1,037	1,037	0	—	0
Egypt	—	—	539	1	—	—	—	—	—	—
El Salvador	—	—	222	1	—	505	505	—	0	0
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	1,399	39	—	—	—	—	0	0
Germany	—	—	—	4	—	1	1	0	0	0
Ghana	—	—	772	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	0	186	1	—	812	812	—	—	—
Honduras	—	—	514	0	—	513	513	—	79	79
Hong Kong	—	0	—	0	—	1	1	—	—	—
India	—	0	2,440	0	—	—	—	0	—	0
Indonesia	—	—	1,639	0	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—	—	—
Israel	—	—	1	0	—	7	7	—	—	—
Italy	2,242	—	—	—	—	—	—	—	—	—
Jamaica	—	0	42	—	—	2	2	—	0	0
Japan	150	0	7,310	377	—	1	1	0	2	2
Korea, South	1,000	—	2,193	525	—	99	99	0	0	0
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	15	4,391	640	—	8,477	8,477	4	1,259	1,264
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	396	14	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	2,601	29	1,954	514	—	330	330	—	0	0
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	—	0	—	—	—	—	—	—
Nicaragua	400	—	—	0	—	385	385	—	0	0
Nigeria	—	—	—	0	—	—	—	—	—	—
Norway	—	—	876	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	—	96	0	—	685	685	—	0	0
Peru	—	—	0	2	—	639	639	—	246	246
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	0	2	0	—	1	1	—	6	6
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	2	—	—	—	1	—	1
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	898	0	1,153	7	—	0	0	—	—	—
South Africa	—	—	—	0	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	188	188	—	0	0
Taiwan	—	0	275	0	—	—	—	—	—	—
Thailand	—	—	—	0	—	—	—	—	—	—
Trinidad and Tobago	—	—	1	10	—	0	0	—	—	—
Turkey	—	—	540	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	14	—	—	—	—	—	—
United Kingdom	2,443	0	755	0	—	1	1	—	0	0
Venezuela	—	—	—	1,598	—	—	—	—	—	—
Other	1,242	1	3,084	47	—	140	140	1	165	165
Total	25,845	5,153	42,333	7,272	—	18,279	18,279	6	2,634	2,640

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2017
(Thousand Barrels) – Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	–	–	1	–	–	–	1,654	–	–	–	1,654
Australia	–	0	–	–	–	–	–	–	0	–	0
Bahamas	–	0	0	–	–	–	241	–	155	–	396
Bahrain	–	–	0	–	–	–	–	–	–	–	–
Belgium	7	0	0	–	–	–	36	–	–	–	36
Belize	–	–	0	–	–	–	–	44	–	–	44
Brazil	–	0	873	–	–	–	1,719	33	62	–	1,814
Canada	–	1	540	120	–	–	3	389	192	–	585
Cayman Islands	–	–	–	–	–	–	29	–	–	–	29
Chile	162	0	0	–	–	–	1,954	–	–	–	1,954
China	–	0	0	–	–	–	–	–	–	–	–
Colombia	–	–	1	–	–	–	814	–	–	–	814
Costa Rica	–	0	0	–	–	–	589	–	–	–	589
Denmark	–	–	–	–	–	–	–	–	–	–	–
Dominican Republic	–	–	1	–	–	–	580	–	100	–	680
Ecuador	–	–	–	–	–	–	825	–	–	–	825
Egypt	–	–	0	–	–	–	–	–	–	–	–
El Salvador	–	–	–	–	–	–	–	222	0	–	222
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	0	–	–	–	–	1,190	–	303	–	1,492
Germany	–	0	0	–	–	–	0	–	–	–	0
Ghana	–	–	–	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	739	327	–	–	1,066
Greece	–	–	–	–	–	–	–	–	–	–	–
Guatemala	–	–	0	–	–	–	1,006	426	–	–	1,432
Honduras	–	–	–	–	–	–	417	191	–	–	608
Hong Kong	–	–	0	–	–	–	–	–	–	–	–
India	–	0	861	–	–	–	0	–	–	–	0
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Ireland	–	–	–	–	–	–	–	–	–	–	–
Israel	–	0	–	–	–	–	0	–	–	–	0
Italy	–	0	–	2	–	–	129	–	–	–	129
Jamaica	–	–	0	–	–	–	311	–	55	–	366
Japan	–	951	0	–	–	–	0	–	–	–	0
Korea, South	–	0	152	–	–	–	0	–	–	–	0
Lebanon	–	–	–	–	–	–	–	–	–	–	–
Mexico	703	3	43	0	–	–	5,964	12	23	–	5,999
Montenegro	–	–	–	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	653	–	–	–	653
Mozambique	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	0	0	1	–	–	1,348	1,002	180	–	2,531
Netherlands Antilles	–	–	–	–	–	–	–	–	–	–	–
New Zealand	–	–	0	–	–	–	–	–	–	–	–
Nicaragua	–	–	–	1	–	–	–	145	100	–	245
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	3	–	–	–	3
Pakistan	–	0	–	–	–	–	–	–	–	–	–
Panama	–	–	–	–	–	–	806	290	248	–	1,344
Peru	–	0	73	13	–	–	2,424	–	–	–	2,424
Philippines	–	0	439	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	–	0	2	–	–	–	0	–	–	–	0
Romania	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	0	–	0	–	–	–	–	–	–	–	–
Serbia	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	1	24	0	–	–	1,332	–	540	–	1,872
South Africa	–	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	0	–	–	490	–	–	–	490
Switzerland	–	–	32	–	–	–	–	–	–	–	–
Taiwan	–	0	–	–	–	–	0	–	–	–	0
Thailand	–	0	–	–	–	–	1	–	–	–	1
Trinidad and Tobago	–	–	–	–	–	–	0	–	–	–	0
Turkey	–	0	–	–	–	–	1	–	–	–	1
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	0	0	–	–	–	2,176	–	–	–	2,176
Venezuela	252	–	0	–	–	–	–	–	–	–	–
Other	–	2	2	0	–	–	1,531	1,571	480	–	3,581
Total	1,124	958	3,044	136	–	–	28,965	4,652	2,438	–	36,055

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2017
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	—	—	—	157	—	37	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	62	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	0	—	—	—	—	—	—	—
Brazil	—	—	—	309	—	—	—	—
Canada	6	—	—	1,142	—	1,152	—	—
Cayman Islands	57	—	—	—	—	—	—	—
Chile	2	—	—	154	—	—	—	—
China	1	—	—	0	—	256	—	—
Colombia	—	—	—	354	—	—	—	—
Costa Rica	0	—	—	87	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	0	—	—	15	—	90	—	—
Ecuador	—	—	—	—	—	422	—	—
Egypt	—	—	—	—	—	510	—	—
El Salvador	0	—	—	19	—	—	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	315	—	—	—	—
Germany	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	0	—	—	0	—	27	—	—
Honduras	—	—	—	69	—	268	—	—
Hong Kong	—	—	—	—	—	—	—	—
India	—	—	—	0	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	102	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	80	—	222	—	—
Japan	—	—	—	—	—	0	—	—
Korea, South	0	—	—	—	—	0	—	—
Lebanon	—	—	—	—	—	168	—	—
Mexico	0	—	—	1,001	—	1,164	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	580	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	0	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	0	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	—	—	—	646	—	405	—	—
Peru	0	—	—	299	—	—	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	0	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	1	—	—	—	—	0	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	0	—	—	—	—	2,568	—	—
South Africa	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	0	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	1	—	—
Thailand	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	1	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	0	—	—	—	—	0	—	—
United Kingdom	—	—	—	—	—	0	—	—
Venezuela	—	—	—	—	—	—	—	—
Other	49	—	—	282	—	377	—	—
Total	116	—	—	5,674	—	7,667	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, March 2017
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	0	178	0	14	0	2,283	2,534	8	74	82
Australia	1	144	0	6	0	729	729	-	24	24
Bahamas	-	-	3	6	-	554	1,078	17	18	35
Bahrain	-	-	-	1	-	3	3	-	0	0
Belgium	0	44	-	459	0	764	764	-	25	25
Belize	-	-	0	1	-	46	46	-	1	1
Brazil	1	2,416	-	187	0	9,136	9,136	-	295	295
Canada	93	647	136	274	5	14,213	23,334	294	458	753
Cayman Islands	-	-	0	1	-	111	111	-	4	4
Chile	1	-	0	76	-	3,307	3,307	-	107	107
China	4	2,381	4	72	0	8,066	11,684	117	260	377
Colombia	1	0	0	84	0	4,190	5,188	32	135	167
Costa Rica	0	-	76	26	-	1,314	1,314	-	42	42
Denmark	-	193	-	0	-	193	550	12	6	18
Dominican Republic	0	-	-	40	0	2,323	2,323	-	75	75
Ecuador	0	0	0	52	-	2,337	2,337	-	75	75
Egypt	-	316	-	0	-	1,366	1,366	-	44	44
El Salvador	0	-	0	10	-	979	979	-	32	32
Finland	-	-	0	1	-	1	1	-	0	0
France	0	12	0	33	-	3,292	3,292	-	106	106
Germany	2	0	1	150	0	159	159	-	5	5
Ghana	0	-	-	0	-	772	772	-	25	25
Gibraltar	-	-	-	300	-	1,366	1,366	-	44	44
Greece	-	291	-	1	-	291	291	-	9	9
Guatemala	-	670	-	20	-	3,148	3,148	-	102	102
Honduras	-	272	4	11	-	2,338	2,338	-	75	75
Hong Kong	0	0	-	2	0	4	4	-	0	0
India	1	2,572	1	93	0	5,969	5,969	-	193	193
Indonesia	0	0	4	2	0	1,645	1,645	-	53	53
Ireland	-	-	-	-	-	-	-	-	-	-
Israel	0	0	-	252	0	363	363	-	12	12
Italy	0	816	0	60	0	1,007	3,248	72	32	105
Jamaica	-	-	-	17	0	729	729	-	24	24
Japan	0	1,641	0	25	3	10,311	10,461	5	333	337
Korea, South	0	270	1	90	1	3,332	4,332	32	107	140
Lebanon	-	348	-	1	-	517	517	-	17	17
Mexico	14	2,295	60	460	9	26,537	26,537	-	856	856
Montenegro	-	-	-	-	-	-	-	-	-	-
Morocco	-	874	-	-	-	2,516	2,516	-	81	81
Mozambique	-	87	-	-	-	87	87	-	3	3
Netherlands	3	141	1	51	2	5,557	8,158	84	179	263
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
New Zealand	0	103	-	0	-	104	104	-	3	3
Nicaragua	-	-	-	7	-	639	1,039	13	21	34
Nigeria	-	-	-	43	-	43	43	-	1	1
Norway	0	89	0	0	-	970	970	-	31	31
Pakistan	-	-	0	0	0	0	0	-	0	0
Panama	0	-	-	50	-	3,227	3,227	-	104	104
Peru	0	-	-	64	0	3,762	3,762	-	121	121
Philippines	0	-	-	1	0	441	441	-	14	14
Portugal	-	209	-	-	-	209	209	-	7	7
Puerto Rico	0	-	0	17	-	31	31	-	1	1
Romania	-	-	-	0	-	0	0	-	0	0
Saudi Arabia	0	143	0	2	0	149	149	-	5	5
Serbia	-	-	-	-	-	-	-	-	-	-
Singapore	0	-	0	157	-	5,782	6,680	29	187	215
South Africa	0	40	0	102	-	142	142	-	5	5
Spain	-	792	0	0	0	1,283	1,283	-	41	41
Switzerland	-	-	-	0	-	220	220	-	7	7
Taiwan	0	233	2	7	0	518	518	-	17	17
Thailand	0	-	2	4	0	7	7	-	0	0
Trinidad and Tobago	-	0	0	7	0	20	20	-	1	1
Turkey	0	2,236	0	23	-	2,799	2,799	-	90	90
United Arab Emirates	0	1	1	64	-	80	80	-	3	3
United Kingdom	0	-	0	12	0	2,945	5,389	79	95	174
Venezuela	-	-	0	184	0	2,035	2,035	-	66	66
Other	5	1,521	62	58	6	9,355	10,597	40	301	340
Total	126	21,975	358	3,680	26	156,616	182,461	834	5,052	5,886

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2017
(Thousand Barrels)

Destination	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	251	1	0	146	—	512	512	—	—	—
Australia	223	0	1,156	2	—	2	2	—	0	0
Bahamas	524	2	64	190	—	489	489	0	1	1
Bahrain	—	—	—	—	—	3	3	1	—	1
Belgium	—	1	204	383	—	422	422	—	0	0
Belize	—	—	—	0	—	—	—	—	0	0
Brazil	—	12	2,694	1,271	—	2,894	2,894	—	163	163
Canada	24,497	16,605	5,865	6,078	—	1,009	1,009	—	965	965
Cayman Islands	—	—	—	0	—	51	51	—	0	0
Chile	—	0	1,377	136	—	879	879	—	—	—
China	15,196	4	14,704	1,692	—	15	15	—	4	4
Colombia	2,956	0	165	3,643	—	3,643	3,643	—	248	248
Costa Rica	—	—	261	19	—	1,546	1,546	—	374	374
Denmark	357	—	—	0	—	1	1	—	—	—
Dominican Republic	789	0	3,526	13	—	914	914	—	161	161
Ecuador	—	1	695	4	—	3,106	3,106	0	2	2
Egypt	—	—	1,631	1	—	—	—	—	—	—
El Salvador	—	0	662	3	—	1,159	1,159	—	0	0
Finland	—	—	—	—	—	—	—	—	—	—
France	1,403	36	2,223	364	—	—	—	9	0	9
Germany	—	—	—	14	—	1	1	0	0	0
Ghana	—	—	772	—	—	326	326	—	0	0
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	0	0	—	—	—
Guatemala	—	1	1,006	3	—	3,920	3,920	—	36	36
Honduras	—	—	1,195	2	—	1,165	1,165	—	226	226
Hong Kong	732	0	—	1	—	1	1	—	0	0
India	1,468	0	4,088	0	—	—	—	0	0	0
Indonesia	—	—	1,639	1	—	—	—	—	—	—
Ireland	—	—	—	—	—	1	1	—	—	—
Israel	—	—	1	0	—	7	7	—	—	—
Italy	5,268	—	235	13	—	—	—	—	—	—
Jamaica	—	0	87	—	—	287	287	—	0	0
Japan	3,369	0	19,348	386	—	149	149	1	2	3
Korea, South	2,198	—	8,528	550	—	99	99	0	0	1
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	52	12,395	1,039	—	30,921	30,921	9	4,811	4,820
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	1,128	20	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	6,205	72	6,053	2,749	—	420	420	—	34	34
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	0	0	—	—	—	—	—	—
Nicaragua	801	—	0	0	—	505	505	—	0	0
Nigeria	—	—	—	0	—	631	631	—	—	—
Norway	—	—	3,011	—	—	—	—	0	—	0
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	425	0	342	1	—	2,725	2,725	—	74	74
Peru	959	1	0	6	—	1,864	1,864	—	246	246
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	—	—	584	—	—	1	1	—	—	—
Puerto Rico	—	1	2	1	—	4	4	—	7	7
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	—	7	—	—	—	1	—	1
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	4,638	0	6,890	48	—	0	0	—	—	—
South Africa	—	—	0	0	—	299	299	—	—	—
Spain	1,222	—	847	0	—	—	—	—	238	238
Switzerland	—	—	0	0	—	188	188	—	0	0
Taiwan	—	0	275	891	—	0	0	—	1	1
Thailand	233	0	—	1	—	—	—	—	0	0
Trinidad and Tobago	—	0	2	26	—	0	0	—	—	—
Turkey	—	—	1,118	—	—	—	—	—	—	—
United Arab Emirates	—	0	—	16	—	0	0	—	—	—
United Kingdom	4,201	0	2,913	0	—	1	1	0	0	0
Venezuela	—	—	250	3,520	—	1,199	1,199	—	577	577
Other	2,305	4	5,077	293	—	2,084	2,084	—	172	171
Total	80,220	16,793	113,013	23,533	—	63,443	63,443	21	8,342	8,363

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2017
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	—	—	1	—	—	—	2,972	—	—	—	2,972
Australia	—	0	—	—	—	—	0	—	0	—	0
Bahamas	—	1	0	—	—	—	388	—	215	—	603
Bahrain	—	—	0	—	—	—	—	—	—	—	—
Belgium	22	0	0	0	—	—	241	278	—	—	519
Belize	—	—	0	—	—	—	0	44	—	—	44
Brazil	—	0	3,485	—	—	—	11,101	596	62	—	11,759
Canada	—	2	1,759	148	—	—	6	1,418	515	—	1,939
Cayman Islands	—	—	0	—	—	—	121	—	—	—	121
Chile	628	0	1	—	—	—	6,429	—	—	—	6,429
China	0	0	1	—	—	—	3	—	—	—	3
Colombia	—	0	72	—	—	—	3,067	—	—	—	3,067
Costa Rica	—	0	1	—	—	—	1,970	—	0	—	1,970
Denmark	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic	—	—	2	—	—	—	889	60	100	—	1,049
Ecuador	—	0	—	—	—	—	2,183	526	—	—	2,709
Egypt	—	—	0	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	—	77	782	0	—	859
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	1	4	—	—	—	3,101	329	303	—	3,733
Germany	—	0	1	—	—	—	0	—	—	—	0
Ghana	—	—	0	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	789	1,749	534	—	3,071
Greece	—	—	1	—	—	—	—	—	—	—	—
Guatemala	—	—	0	—	—	—	2,333	1,196	—	—	3,529
Honduras	—	—	—	—	—	—	865	413	—	—	1,278
Hong Kong	—	0	0	—	—	—	1	—	—	—	1
India	—	0	1,704	—	—	—	1	—	—	—	1
Indonesia	—	0	—	—	—	—	—	—	—	—	—
Ireland	—	0	0	—	—	—	—	—	—	—	—
Israel	—	0	0	—	—	—	0	—	—	—	0
Italy	—	0	0	4	—	—	129	20	—	—	149
Jamaica	—	—	75	—	—	—	679	—	55	—	734
Japan	—	2,536	0	—	—	—	0	—	—	—	0
Korea, South	—	0	203	—	—	—	1	—	—	—	1
Lebanon	—	—	—	—	—	—	0	—	—	—	0
Mexico	2,495	5	170	23	—	—	20,362	393	56	—	20,812
Montenegro	—	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	1,349	—	—	—	1,349
Mozambique	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	0	82	4	—	—	4,951	1,133	455	—	6,540
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
New Zealand	—	0	0	—	—	—	—	—	—	—	—
Nicaragua	—	—	—	2	—	—	53	250	100	—	403
Nigeria	—	—	85	—	—	—	—	—	—	—	—
Norway	—	—	0	—	—	—	9	—	—	—	9
Pakistan	—	0	—	—	—	—	—	—	—	—	—
Panama	—	—	—	—	—	—	3,319	779	248	—	4,346
Peru	—	0	217	55	—	—	7,431	—	—	—	7,431
Philippines	—	0	746	—	—	—	—	0	—	—	0
Portugal	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	1	66	—	—	—	0	1	0	—	1
Romania	—	—	—	—	—	—	311	—	—	—	311
Saudi Arabia	0	0	0	—	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—	—
Singapore	—	2	87	0	—	—	1,373	—	1,998	—	3,370
South Africa	—	0	—	0	—	—	—	—	—	—	—
Spain	—	—	—	0	—	—	1,114	—	—	—	1,114
Switzerland	—	—	32	1	—	—	—	95	—	—	95
Taiwan	—	0	0	—	—	—	0	—	—	—	0
Thailand	—	0	—	—	—	—	1	—	0	—	1
Trinidad and Tobago	—	0	0	—	—	—	1	—	—	—	1
Turkey	—	0	—	—	—	—	97	—	—	—	97
United Arab Emirates	—	0	498	—	—	—	0	—	—	—	0
United Kingdom	—	0	0	—	—	—	3,095	0	—	—	3,095
Venezuela	525	—	0	—	—	—	821	—	—	—	821
Other	2	1	2	—	—	—	5,620	2,939	1,592	—	10,150
Total	3,672	2,549	9,295	237	—	—	87,253	13,001	6,233	—	106,486

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2017
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	—	—	—	157	—	37	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	101	—	397	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	0	—	—	—	—	—	—	—
Brazil	—	—	—	609	—	—	—	—
Canada	13	—	—	4,061	—	3,154	—	—
Cayman Islands	57	—	—	15	—	0	—	—
Chile	3	—	—	456	—	0	—	—
China	1	—	—	3	—	256	—	—
Colombia	—	—	—	554	—	301	—	—
Costa Rica	0	—	—	463	—	—	—	—
Denmark	—	—	—	295	—	—	—	—
Dominican Republic	0	—	—	604	—	181	—	—
Ecuador	—	—	—	8	—	1,291	—	—
Egypt	—	—	—	—	—	682	—	—
El Salvador	0	—	—	46	—	—	—	—
Finland	47	—	—	307	—	—	—	—
France	—	—	—	315	—	—	—	—
Germany	0	—	—	—	—	—	—	—
Ghana	—	—	—	1	—	—	—	—
Gibraltar	—	—	—	—	—	226	—	—
Greece	—	—	—	—	—	0	—	—
Guatemala	0	—	—	342	—	584	—	—
Honduras	0	—	—	204	—	805	—	—
Hong Kong	—	—	—	—	—	—	—	—
India	—	—	—	0	—	0	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	205	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	395	—	855	—	—
Japan	—	—	—	1	—	0	—	—
Korea, South	0	—	—	0	—	0	—	—
Lebanon	—	—	—	—	—	1,601	—	—
Mexico	2	—	—	3,246	—	3,120	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	580	—	378	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	1	—	—	300	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	0	—	—	—	—	0	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	0	—	—
Panama	0	—	—	1,267	—	907	—	—
Peru	0	—	—	498	—	192	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	0	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	1	—	—	—	—	0	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	0	—	—	0	—	10,278	—	—
South Africa	—	—	—	—	—	380	—	—
Spain	—	—	—	—	—	0	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	1	—	—
Thailand	—	—	—	—	—	0	—	—
Trinidad and Tobago	0	—	—	2	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	1	—	—	—	—	300	—	—
United Kingdom	—	—	—	—	—	0	—	—
Venezuela	—	—	—	—	—	—	—	—
Other	52	—	—	897	—	1,883	—	—
Total	178	—	—	15,932	—	27,809	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-March 2017
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	1	179	0	99	0	4,104	4,355	3	46	48
Australia	2	607	0	44	0	1,813	2,036	2	20	23
Bahamas	—	—	7	387	—	2,242	2,766	6	25	31
Bahrain	0	—	—	3	—	6	6	—	0	0
Belgium	0	333	0	862	1	2,749	2,749	—	31	31
Belize	—	—	0	4	—	49	49	—	1	1
Brazil	1	3,932	1	700	1	27,522	27,522	—	306	306
Canada	241	1,325	411	755	13	44,343	68,840	272	493	765
Cayman Islands	—	—	1	4	—	249	249	—	3	3
Chile	1	—	176	234	0	10,322	10,322	—	115	115
China	21	7,182	10	403	3	24,304	39,500	169	270	439
Colombia	2	0	0	296	1	11,993	14,949	33	133	166
Costa Rica	1	146	133	48	0	4,962	4,962	—	55	55
Denmark	—	193	0	1	—	489	847	4	5	9
Dominican Republic	1	—	85	80	0	6,614	7,404	9	73	82
Ecuador	0	356	0	163	0	8,334	8,334	—	93	93
Egypt	0	1,948	0	2	0	4,265	4,265	—	47	47
El Salvador	0	—	0	50	—	2,781	2,781	—	31	31
Finland	0	—	0	2	—	357	357	—	4	4
France	1	35	0	168	—	6,888	8,291	16	77	92
Germany	4	0	2	323	0	345	345	—	4	4
Ghana	0	—	—	1	—	1,100	1,100	—	12	12
Gibraltar	—	—	—	627	—	3,924	3,924	—	44	44
Greece	—	2,037	—	1	—	2,039	2,039	—	23	23
Guatemala	0	825	0	52	—	10,298	10,298	—	114	114
Honduras	0	514	35	35	—	5,459	5,459	—	61	61
Hong Kong	2	0	—	8	1	13	746	8	0	8
India	2	8,311	4	545	1	14,657	16,125	16	163	179
Indonesia	0	0	7	21	0	1,667	1,667	—	19	19
Ireland	—	—	—	0	—	1	1	—	0	0
Israel	0	285	—	488	0	986	986	—	11	11
Italy	0	1,413	0	60	1	1,876	7,143	59	21	79
Jamaica	—	0	0	45	1	2,478	2,478	—	28	28
Japan	2	4,536	1	64	10	27,036	30,406	37	300	338
Korea, South	1	931	43	144	2	10,504	12,702	24	117	141
Lebanon	0	464	—	5	—	2,070	2,070	—	23	23
Mexico	50	5,653	276	1,404	17	86,500	86,500	—	961	961
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	1,700	—	0	—	5,154	5,154	—	57	57
Mozambique	—	181	—	—	—	181	181	—	2	2
Netherlands	6	551	2	262	7	17,084	23,289	69	190	259
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	0	202	0	2	0	205	205	—	2	2
Nicaragua	—	—	0	15	—	927	1,727	9	10	19
Nigeria	—	—	—	104	—	820	820	—	9	9
Norway	0	301	0	1	—	3,323	3,323	—	37	37
Pakistan	—	0	0	1	0	2	2	—	0	0
Panama	0	—	38	71	114	9,885	10,310	5	110	115
Peru	0	182	0	213	0	10,906	11,865	11	121	132
Philippines	0	0	—	2	0	750	750	—	8	8
Portugal	0	451	—	0	—	1,036	1,036	—	12	12
Puerto Rico	0	—	0	44	0	128	128	—	1	1
Romania	—	—	—	0	—	311	311	—	3	3
Saudi Arabia	0	161	0	46	0	217	217	—	2	2
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	0	0	0	217	0	20,894	25,532	52	232	284
South Africa	0	87	0	186	—	953	953	—	11	11
Spain	1	2,427	30	4	0	4,660	5,883	14	52	65
Switzerland	0	—	—	0	0	316	316	—	4	4
Taiwan	0	233	3	38	0	1,443	1,443	—	16	16
Thailand	0	0	3	10	1	16	249	3	0	3
Trinidad and Tobago	—	0	0	22	0	54	54	—	1	1
Turkey	0	5,444	0	32	—	6,692	6,692	—	74	74
United Arab Emirates	0	2	2	239	—	1,058	1,058	—	12	12
United Kingdom	1	219	1	23	0	6,255	10,456	47	69	116
Venezuela	—	—	1	668	0	7,560	7,560	—	84	84
Other	7	1,956	97	231	6	22,891	25,193	23	253	278
Total	348	55,302	1,369	10,559	180	459,060	539,280	891	5,101	5,992

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2017
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	3,357	0	-	102	-	-33	-33	0	25	25
Algeria	52	-	-	130	-	-	-	-	-	-
Angola	27	-	-	-	-	-	-	-	3	3
Ecuador	278	0	-	0	-	-33	-33	0	-	0
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	543	-	-	0	-	-	-	-	-	-
Kuwait	219	-	-	-	-	-	-	-	-	-
Libya	16	-	-	14	-	-	-	-	-	-
Nigeria	330	-	-	5	-	-	-	-	7	7
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,173	-	-	0	-	-	-	0	-	0
United Arab Emirates	17	-	-	0	-	-	-	-	-	-
Venezuela	701	-	-	-45	-	-	-	-	15	15
Non-OPEC	3,858	-166	-1,170	314	-	-505	-505	190	150	340
Argentina	-8	-	-	0	-	-8	-8	-	-	-
Aruba	-	0	-73	-	-	-1	-1	-	-	-
Australia	-	0	-19	0	-	0	0	-	0	0
Bahamas	-17	0	-1	-	-	-2	-2	-	0	0
Bahrain	-	-	-	-	-	0	0	-	-	-
Belgium	-	-	-7	37	-	17	17	-	0	0
Brazil	225	-	-65	-18	-	-31	-31	-	0	0
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	6	-	-	-	-	0	0
Canada	3,215	-165	135	-54	-	-6	-6	105	36	141
Chad	-	-	-	-	-	-	-	-	-	-
China	-117	0	-169	-3	-	0	0	-	0	0
Colombia	285	0	-5	-37	-	-52	-52	-	2	2
Denmark	-12	-	-	0	-	-	-	-	-	-
Dominican Republic	-	0	-35	0	-	-11	-11	-	-2	-2
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	2	-	-	-	-	-	-
France	-	-	-45	-1	-	-	-	29	0	29
Germany	-	-	-	2	-	0	0	0	0	0
Guatemala	-	0	-6	0	-	-26	-26	-	-	-
Honduras	-	-	-17	0	-	-17	-17	-	-3	-3
India	-	0	-79	47	-	0	0	0	29	29
Indonesia	-	-	-53	0	-	-	-	-	-	-
Italy	-72	-	-	5	-	-	-	-	2	2
Japan	-5	0	-236	-12	-	0	0	0	7	7
Korea, South	-32	-	-71	-17	-	-3	-3	0	2	2
Latvia	-	-	-	-	-	-	-	-	0	0
Lithuania	-	-	-	-	-	-	-	-	4	4
Malaysia	-	-	-	-	-	-	-	-	3	3
Mexico	550	0	-141	-21	-	-273	-273	0	-41	-41
Netherlands	-84	-1	-63	8	-	-10	-10	-	13	13
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-28	12	-	-	-	-	-	-
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-	-	-3	0	-	-22	-22	-	0	0
Portugal	-	-	-	-	-	6	6	-	-	-
Puerto Rico	-	0	0	0	-	0	0	-	0	0
Russia	23	0	-	290	-	0	0	-	40	40
Spain	-	-	-	-	-	3	3	-	46	46
Sweden	-	-	-	2	-	5	5	-	0	0
Trinidad and Tobago	12	-	2	11	-	0	0	-	-	-
United Kingdom	-55	0	-24	0	-	10	10	56	20	77
Vietnam	-	-	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	0	0	-	-5	-5
Yemen	-	-	-	-	-	0	0	-	-	-
Other	-50	0	-167	55	-	-84	-84	0	-3	-4
Total	7,215	-166	-1,170	416	-	-539	-539	190	175	365
Persian Gulf²	1,952	-	-	-1	-	0	0	0	-	0

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-8	-	0	-	-	-	-27	-	-	-	-27
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-27	-	-	-	-27
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	0	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-8	-	0	-	-	-	-	-	-	-	-
Non-OPEC	-14	-27	-98	17	15	-	-837	-149	-52	10	-1,028
Argentina	3	-	0	18	-	-	-53	-	-	-	-53
Aruba	-	-	-	-	-	-	-1	-	-	-	-1
Australia	-	0	-	-	-	-	-	-	0	-	0
Bahamas	-	0	0	-	-	-	-8	-	-5	-	-13
Bahrain	-	-	0	-	-	-	-	-	-	-	-
Belgium	3	0	0	-	-	-	-1	-	-	-	-1
Brazil	-	3	-28	-	-	-	-55	-1	-2	-	-59
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-17	-1	-	-	66	-11	18	-	73
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	0	0	-	-	-	0	-	-	-	0
Colombia	-	-	0	-	-	-	-26	-	2	-	-24
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-19	-	-3	-	-22
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-	-	-	-	-38	-	-10	-	-48
Germany	3	0	0	-	-	-	0	-	-	-	0
Guatemala	-	-	0	-	-	-	-32	-14	-	-	-46
Honduras	-	-	-	-	-	-	-13	-6	-	-	-20
India	-	0	-28	-	-	-	4	-	-	-	4
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	0	-	0	-	-	-4	-	-	-	-4
Japan	-	-31	0	-	-	-	0	-	-	-	0
Korea, South	-	0	-5	-	-	-	0	-	-	-	0
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	0	-	-	-	0	-	-15	-	-15
Mexico	-23	0	-1	0	-	-	-192	0	-1	-	-194
Netherlands	6	0	0	0	-	-	-43	-32	-6	-	-82
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	-	-	-	-	-	-26	-9	-8	-	-43
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	0	-	-	-	0
Russia	-	0	-	-	-	-	-	-	-	10	10
Spain	-	-	-	0	-	-	-16	-	-	-	-16
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	0	-	-	-	0
United Kingdom	-	0	0	-	-	-	-70	-	-	-	-70
Vietnam	-	0	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	0	-	-	-	-10	-	-	-	-10
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-6	1	-19	0	15	-	-300	-76	-22	0	-394
Total	-22	-27	-98	17	15	-	-864	-149	-52	10	-1,055
Persian Gulf²	0	-	0	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	10	-	21	-	-
Algeria	-	-	-	-	-	11	-	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-14	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	-	-	-	0	-	-
United Arab Emirates	0	-	-	-	-	0	-	-
Venezuela	-	-	-	10	-	23	-	-
Non-OPEC	2	0	-	-70	13	-47	44	4
Argentina	-	-	-	-5	-	-1	-	1
Aruba	0	-	-	0	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-2	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	3	-	-
Brazil	-	-	-	-10	-	-	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	0	0	-	-25	4	-1	2	1
Chad	-	-	-	-	-	-	-	-
China	5	-	-	2	-	-8	-	-
Colombia	-	-	-	-11	-	17	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	0	-	-3	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-10	-	-	-	1
Germany	-	-	-	-	-	-	-	-
Guatemala	0	-	-	0	-	-1	-	-
Honduras	-	-	-	-2	-	-9	-	-
India	-	-	-	3	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	6	-	-
Japan	-	-	-	10	5	0	1	-
Korea, South	0	-	-	84	3	0	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	0	-	-	-	-
Mexico	0	-	-	-32	-	31	10	-
Netherlands	0	-	-	-	-	4	1	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	-	-	-	-21	-	-13	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	0	-	-	-	-
Russia	-	-	-	-	-	16	-	-
Spain	-	-	-	-	-	0	-	-
Sweden	-2	-	-	-	-	0	-	-
Trinidad and Tobago	-	-	-	0	-	10	-	-
United Kingdom	-	-	-	-	-	0	9	-
Vietnam	0	-	-	0	-	-	-	-
Virgin Islands, U.S.	-	-	-	-6	-	-12	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-1	0	-	-45	1	-86	21	1
Total	2	0	-	-60	13	-26	44	4
Persian Gulf²	0	-	-	0	-	0	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, March 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	2	2	-8	0	86	3,442
Algeria	-	-	0	0	-	141	193
Angola	-	-	-	-	-	3	30
Ecuador	0	0	0	-2	-	-75	203
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	0	543
Kuwait	-	0	0	0	-	0	219
Libya	-	-	-	-	-	14	30
Nigeria	-	-	-	-1	-	10	340
Qatar	-	0	-	0	-	0	0
Saudi Arabia	0	-5	0	0	0	-5	1,168
United Arab Emirates	0	0	0	1	-	0	17
Venezuela	-	6	2	-6	0	-2	698
Non-OPEC	1	-698	24	-73	-1	-3,127	731
Argentina	0	-2	0	0	0	-48	-56
Aruba	-	-	0	0	-	-76	-76
Australia	0	-5	0	0	0	-24	-24
Bahamas	-	-	0	0	-	-18	-35
Bahrain	-	-	-	0	-	0	0
Belgium	0	-1	-	-14	0	36	36
Brazil	0	-78	-	-6	0	-291	-66
Brunei	-	-	-	0	-	0	0
Cameroon	-	-	-	0	-	6	6
Canada	-1	-19	26	2	0	98	3,313
Chad	-	-	-	-	-	-	-
China	2	-77	0	-2	0	-250	-367
Colombia	0	0	0	-3	0	-115	170
Denmark	-	-6	-	-	-	-6	-18
Dominican Republic	0	-	-	-1	0	-75	-75
Equatorial Guinea	-	-	-	0	-	0	0
Estonia	-	-	-	-	-	-	-
Finland	-	-	0	0	-	2	2
France	0	0	0	0	-	-76	-76
Germany	0	0	0	-3	0	2	2
Guatemala	-	-22	-	-1	-	-102	-102
Honduras	-	-9	0	0	-	-75	-75
India	0	-83	0	-3	0	-108	-108
Indonesia	0	0	0	2	0	-51	-51
Italy	0	-26	0	-2	0	-20	-92
Japan	0	-53	0	-1	0	-310	-315
Korea, South	0	-9	0	14	0	-1	-33
Latvia	-	-	-	0	-	0	0
Lithuania	0	-	-	0	-	4	4
Malaysia	0	-6	0	0	0	-18	-18
Mexico	0	-74	-2	-15	0	-777	-226
Netherlands	0	-5	0	-2	0	-132	-216
Netherlands Antilles	-	-	-	-	-	-	-
Norway	0	-3	0	0	-	-19	-19
Oman	-	-2	0	0	-	-2	-2
Panama	0	-	-	-2	-	-104	-104
Portugal	-	-7	-	-	-	-1	-1
Puerto Rico	0	-	0	-1	-	-1	-1
Russia	0	0	0	0	-	356	378
Spain	-	-26	5	0	0	12	12
Sweden	0	0	-	0	0	6	6
Trinidad and Tobago	-	0	0	0	0	23	35
United Kingdom	0	-	0	0	0	1	-54
Vietnam	0	-19	0	0	-	-19	-19
Virgin Islands, U.S.	-	-	0	0	-	-34	-34
Yemen	-	-	-	0	-	0	0
Other	0	-166	-5	-35	-1	-920	-970
Total	1	-696	26	-82	-1	-3,041	4,174
Persian Gulf²	0	-5	0	1	0	-4	1,948

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2017
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	3,377	0	-10	115	-	-55	-55	0	24	24
Algeria	82	-	-	134	-	-	-	-	-	-
Angola	59	-	-	8	-	-	-	-	3	3
Ecuador	225	0	-8	0	-	-35	-35	0	0	0
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	530	-	-	0	-	-	-	-	-	-
Kuwait	190	-	-	-	-	-	-	-	-	-
Libya	19	-	-	9	-	-	-	-	-	-
Nigeria	289	-	-	2	-	-7	-7	-	11	11
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,283	0	-	0	-	-	-	0	-	0
United Arab Emirates	6	0	-	0	-	0	0	-	-	-
Venezuela	695	-	-3	-37	-	-13	-13	-	10	10
Non-OPEC	3,864	-176	-1,012	252	-	-610	-610	206	201	408
Argentina	-3	0	0	-2	-	-6	-6	-	2	2
Aruba	-	0	-44	-1	-	-1	-1	-	-	-
Australia	-2	0	-13	0	-	0	0	-	0	0
Bahamas	-6	0	-1	-2	-	-5	-5	0	0	0
Bahrain	-	-	-	-	-	0	0	0	-	-
Belgium	-	0	-2	32	-	2	2	-	13	13
Brazil	218	0	-30	-11	-	-32	-32	-	-2	-2
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	2	-	0	0	-	0	0
Canada	3,241	-184	157	-49	-	4	4	104	66	170
Chad	21	-	-	-	-	-	-	-	-	-
China	-169	0	-163	-19	-	0	0	-	0	0
Colombia	299	0	-2	-40	-	-40	-40	-	7	7
Denmark	-4	-	-	0	-	0	0	-	1	1
Dominican Republic	-9	0	-39	0	-	-10	-10	-	-2	-2
Equatorial Guinea	-	-	0	-	-	-	-	-	-	-
Estonia	-	-	-	0	-	-	-	-	-	-
Finland	-	-	-	1	-	-	-	-	2	2
France	-16	0	-25	-1	-	-	-	26	2	28
Germany	-	-	-	2	-	1	1	0	0	0
Guatemala	9	0	-11	0	-	-44	-44	-	0	0
Honduras	-	-	-13	0	-	-13	-13	-	-3	-3
India	-16	0	-45	21	-	0	0	0	23	23
Indonesia	-	-	-18	0	-	-	-	-	-	-
Italy	-59	-	-3	1	-	-	-	-	7	7
Japan	-37	0	-215	-4	-	-2	-2	0	2	2
Korea, South	-24	-	-95	-6	-	-1	-1	0	1	1
Latvia	-	-	-	-	-	-	-	-	0	0
Lithuania	-	-	-	-	-	-	-	-	9	9
Malaysia	-	-	-	-	-	-	-	-	1	1
Mexico	569	3	-137	-12	-	-344	-344	0	-50	-50
Netherlands	-69	-1	-67	-5	-	-4	-4	8	21	29
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	23	-	-33	14	-	-	-	7	13	21
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-5	0	-4	0	-	-30	-30	-	-1	-1
Portugal	-	-	-6	-	-	3	3	-	10	10
Puerto Rico	-	0	0	0	-	0	0	-	0	0
Russia	16	0	-	282	-	0	0	2	33	35
Spain	-14	-	-9	3	-	1	1	1	25	26
Sweden	-	-	6	3	-	2	2	-	7	7
Trinidad and Tobago	4	0	2	4	-	0	0	-	-	-
United Kingdom	-21	0	-32	3	-	10	10	58	18	75
Vietnam	-	-	-	0	-	-	-	0	-	0
Virgin Islands, U.S.	-	-	-3	-	-	-3	-3	-	-2	-2
Yemen	2	-	-	-	-	0	0	-	-	-
Other	-84	6	-167	36	-	-98	-98	0	-2	-1
Total	7,241	-176	-1,023	367	-	-665	-665	206	225	432
Persian Gulf²	2,008	0	-	0	-	0	0	0	-	0

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-6	0	-6	-	-	-	-36	-6	1	-	-41
Algeria	-	-	-	-	-	-	-2	-	-	-	-2
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	-	-	-	-	-24	-6	-	-	-30
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-1	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	0	0	0	-	-	-	-	-	-	-	-
United Arab Emirates	-	0	-6	-	-	-	0	-	-	-	0
Venezuela	-6	-	0	-	-	-	-9	-	1	-	-8
Non-OPEC	-23	-25	-88	13	11	-	-818	-137	-24	6	-973
Argentina	1	-	0	13	-	-	-33	-	-	-	-33
Aruba	-	-	-	-	-	-	-10	-	-	-	-10
Australia	-	0	-	-	-	-	0	-	0	-	0
Bahamas	-	0	0	-	-	-	-4	-	-2	-	-7
Bahrain	-	-	0	-	-	-	-	-	-	-	-
Belgium	1	0	0	0	-	-	-3	-3	-	-	-6
Brazil	0	3	-30	-	-	-	-123	-7	-1	-	-131
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-20	2	-	-	89	-14	35	0	110
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	0	-	-	-	0
Colombia	-	0	-1	-	-	-	-32	-	1	-	-31
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-10	-1	-1	-	-12
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	0	-	-	-	-34	-4	-3	1	-40
Germany	1	0	0	-	-	-	0	-	-	-	0
Guatemala	-	-	0	-	-	-	-26	-13	-	-	-39
Honduras	-	-	-	-	-	-	-10	-5	-	-	-14
India	-	0	-19	-	-	-	25	-	-	-	25
Indonesia	-	0	-	-	-	-	-	-	-	-	-
Italy	-	0	0	0	-	-	-1	0	-	-	-2
Japan	-	-28	0	-	-	-	0	-	-	-	0
Korea, South	-	0	-2	-	-	-	0	-	-	-	0
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	0	-	-	-	0	-	-12	-	-12
Mexico	-28	0	-2	0	-	-	-226	-4	0	-	-230
Netherlands	7	0	-1	0	-	-	-55	-13	-5	-	-73
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	0	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	-	-	-	-	-	-37	-9	-3	-	-48
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	-1	-	-	-	0	0	0	-	0
Russia	-	0	-	-	-	-	-	-	2	4	7
Spain	-	-	-	0	-	-	-12	-	-	-	-12
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	0	0	-	-	-	0	-	0	-	0
United Kingdom	-	0	0	-	-	-	-34	0	-	-	-34
Vietnam	-	0	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	-	-	0	-	-	-	-16	-4	-6	-	-26
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-5	0	-12	-2	11	-	-266	-60	-29	1	-355
Total	-29	-25	-95	13	11	-	-853	-143	-23	6	-1,014
Persian Gulf²	0	0	-6	-	-	-	0	-	-	-	0

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	11	0	12	-	-
Algeria	-	-	-	-	-	4	-	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	0	-	-14	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	-	0	0	0	-	-
United Arab Emirates	0	-	-	-	-	-3	-	-
Venezuela	-	-	-	11	-	26	-	-
Non-OPEC	0	0	-	-51	15	-114	32	9
Argentina	-	-	-	-2	-	0	-	2
Aruba	0	-	-	-1	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	-4	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	1	-	-
Brazil	-	-	-	-7	0	-	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	0	0	-	-33	4	-1	3	2
Chad	-	-	-	-	-	-	-	-
China	2	-	-	15	-	-3	-	-
Colombia	-	-	-	-6	-	10	2	-
Denmark	-	-	-	-3	-	-	-	-
Dominican Republic	0	-	-	-7	-	-2	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-1	-	-	-3	-	-	-	-
France	-	-	-	-4	0	-	-	1
Germany	0	-	-	-	0	-	-	-
Guatemala	0	-	-	-4	-	-6	-	-
Honduras	0	-	-	-2	-	-9	-	-
India	-	-	-	7	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	4	-	-
Japan	-	-	-	14	4	0	1	-
Korea, South	0	-	-	76	2	0	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	0	-	-	-	-
Mexico	0	-	-	-36	3	32	10	-
Netherlands	0	-	-	-3	0	4	1	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	4
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-14	-	-10	-	-
Portugal	-	-	-	-	0	-	-	-
Puerto Rico	0	-	-	0	-	-	-	-
Russia	0	-	-	0	-	10	-	-
Spain	-	-	-	-	-	0	-	-
Sweden	-1	-	-	0	-	3	-	-
Trinidad and Tobago	0	-	-	0	-	14	-	-
United Kingdom	-	-	-	-	-	0	4	-
Vietnam	0	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-2	-	-10	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-35	2	-147	11	0
Total	0	0	-	-40	16	-102	32	9
Persian Gulf²	0	-	-	0	0	-3	-	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-March 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-4	2	-7	0	36	3,413
Algeria	-	-	0	0	-	135	217
Angola	-	-	-	0	-	11	71
Ecuador	0	-4	0	-2	0	-93	132
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	-	-
Iraq	-	-	0	0	-	0	530
Kuwait	0	0	0	0	-	0	190
Libya	-	-	-	0	-	9	28
Nigeria	-	-	-	-1	-	4	292
Qatar	-	0	-	6	-	6	6
Saudi Arabia	0	-2	0	-1	0	-2	1,281
United Arab Emirates	0	0	0	-2	-	-11	-5
Venezuela	-	2	2	-7	0	-24	671
Non-OPEC	1	-601	13	-70	-2	-2,992	872
Argentina	0	2	0	-1	0	-24	-27
Aruba	-	-	0	0	-	-57	-57
Australia	0	-7	0	0	0	-20	-23
Bahamas	-	-	0	-4	-	-25	-31
Bahrain	0	-	-	2	-	2	2
Belgium	0	-4	0	-9	0	29	29
Brazil	0	-44	0	-8	0	-290	-73
Brunei	-	0	-	0	-	0	0
Cameroon	-	-	0	0	-	2	2
Canada	-1	-13	18	2	0	171	3,411
Chad	-	-	-	-	-	-	21
China	1	-80	0	-4	0	-251	-420
Colombia	0	0	0	-3	0	-105	194
Denmark	-	-2	0	0	-	-4	-8
Dominican Republic	0	-	-1	-1	0	-73	-82
Equatorial Guinea	-	-	-	0	-	0	0
Estonia	-	-	-	0	-	0	0
Finland	0	-	0	0	-	-2	-2
France	0	0	0	-1	-	-42	-58
Germany	0	0	0	-1	0	4	4
Guatemala	0	-9	0	-1	-	-114	-105
Honduras	0	-6	0	0	-	-61	-61
India	0	-92	0	-6	0	-87	-103
Indonesia	0	0	0	2	0	-16	-16
Italy	0	-16	0	0	0	-8	-66
Japan	0	-50	0	-1	0	-279	-316
Korea, South	0	-10	0	12	0	-23	-48
Latvia	0	-	-	0	-	0	0
Lithuania	0	-	-	0	-	9	9
Malaysia	1	-2	1	0	0	-12	-12
Mexico	-1	-63	-3	-16	0	-873	-304
Netherlands	0	-6	0	-3	0	-122	-191
Netherlands Antilles	-	-	-	-	-	-	-
Norway	0	-3	0	0	-	1	24
Oman	0	-1	0	0	-	-1	-1
Panama	0	-	0	-1	-1	-110	-115
Portugal	0	-5	-	0	-	2	2
Puerto Rico	0	-	0	0	0	-1	-1
Russia	0	0	0	0	-	334	349
Spain	0	-27	4	0	0	-14	-27
Sweden	0	0	-	0	0	19	19
Trinidad and Tobago	-	0	0	0	0	20	24
United Kingdom	0	-1	0	0	0	24	3
Vietnam	0	-7	0	-1	0	-7	-7
Virgin Islands, U.S.	-	-	0	0	-	-46	-46
Yemen	-	-	-	0	-	0	2
Other	1	-155	-6	-27	-1	-942	-1,023
Total	0	-604	14	-77	-2	-2,956	4,285
Persian Gulf²	0	-2	0	5	0	-5	2,003

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, March 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	18,812	156,308	973,777	25,428	55,069	1,229,394
Refinery	12,919	14,485	50,786	2,758	24,555	105,503
Tank Farms and Pipelines (Includes Cushing, OK)	5,893	141,823	231,481	22,670	27,344	429,211
Cushing, Oklahoma	-	69,468	-	-	-	69,468
Leases ¹	-	-	-	-	-	-
Strategic Petroleum Reserve ²	-	-	691,510	-	-	691,510
Alaskan In Transit	-	-	-	-	3,170	3,170
Total Stocks, All Oils (excluding Crude Oil)³	169,913	172,873	352,798	21,122	86,407	803,113
Refinery	17,812	50,581	120,443	10,974	49,743	249,553
Bulk Terminal	125,533	86,851	177,564	5,974	31,468	427,390
Pipeline	26,321	34,132	51,524	4,024	5,011	121,012
Natural Gas Processing Plant	247	1,309	3,267	150	185	5,158
Pentanes Plus	143	9,664	11,326	313	47	21,493
Refinery	-	535	297	17	4	853
Bulk Terminal	70	1,551	8,518	5	6	10,150
Pipeline	10	7,393	2,376	249	-	10,028
Natural Gas Processing Plant	63	185	135	42	37	462
Liquefied Petroleum Gases	4,526	24,694	96,209	2,202	2,332	129,963
Refinery	749	3,255	7,935	345	1,316	13,600
Bulk Terminal	2,857	12,617	72,167	112	868	88,621
Pipeline	736	7,698	12,975	1,637	-	23,046
Natural Gas Processing Plant	184	1,124	3,132	108	148	4,696
Ethane/Ethylene	514	5,948	47,375	467	-	54,304
Refinery	-	-	151	-	-	151
Bulk Terminal	323	3,256	41,510	-	-	45,089
Ethylene	-	-	-	-	-	-
Pipeline	191	2,464	4,904	467	-	8,026
Natural Gas Processing Plant	-	228	810	-	-	1,038
Propane/Propylene	2,949	11,578	28,104	863	484	43,978
Refinery	116	1,044	1,810	39	151	3,160
Bulk Terminal	2,179	6,329	19,108	10	301	27,927
Nonfuel Use	-	10	2,327	-	-	2,337
Pipeline	528	3,693	5,727	746	-	10,694
Natural Gas Processing Plant	126	512	1,459	68	32	2,197
Normal Butane/Butylene	864	5,279	14,436	630	1,404	22,613
Refinery	460	1,729	4,135	217	752	7,293
Bulk Terminal	355	2,426	8,515	101	567	11,964
Refinery Grade Butane	18	666	1,635	94	-	2,413
Pipeline	6	894	1,394	280	-	2,574
Natural Gas Processing Plant	43	230	392	32	85	782
Isobutane/Isobutylene	199	1,889	6,294	242	444	9,068
Refinery	173	482	1,839	89	413	2,996
Bulk Terminal	-	606	3,034	1	-	3,641
Pipeline	11	647	950	144	-	1,752
Natural Gas Processing Plant	15	154	471	8	31	679
Other Hydrocarbons	-	34	-	-	-	34
Refinery	-	34	-	-	-	34
Oxygenates (excluding Fuel Ethanol)	-	1	1,660	-	-	1,661
Refinery	-	-	51	-	-	51
Bulk Terminal	-	1	1,609	-	-	1,610
Pipeline	-	-	-	-	-	-
MTBE	-	-	1,215	-	-	1,215
Refinery	-	-	51	-	-	51
Bulk Terminal ⁴	-	-	1,164	-	-	1,164
Pipeline	-	-	-	-	-	-
Other Oxygenates⁵	-	1	445	-	-	446
Refinery	-	-	-	-	-	-
Bulk Terminal	-	1	445	-	-	446
Pipeline	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	10,641	9,237	6,772	354	3,885	30,889
Refinery	198	148	332	109	314	1,101
Bulk Terminal	10,443	9,089	6,440	242	3,571	29,785
Pipeline	-	-	-	3	-	3
Fuel Ethanol³	8,404	8,236	4,363	342	2,414	23,759
Refinery	194	119	163	100	33	609
Bulk Terminal	8,210	8,117	4,200	239	2,381	23,147
Pipeline	-	-	-	3	-	3
Renewable Diesel Fuel	2,237	1,001	2,409	12	1,438	7,097
Refinery	4	29	169	9	248	459
Bulk Terminal	2,233	972	2,240	3	1,190	6,638
Pipeline	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	33	33
Refinery	-	-	-	-	33	33
Bulk Terminal	-	-	-	-	-	-
Pipeline	-	-	-	-	-	-

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, March 2017
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	6,041	13,810	47,733	2,892	18,862	89,338
Naphthas and Lighter	1,561	3,527	13,448	720	2,983	22,239
Refinery	1,505	3,452	11,639	720	2,821	20,137
Bulk Terminal	56	75	1,809	—	162	2,102
Kerosene and Light Gas Oils	737	3,284	7,559	599	3,418	15,597
Refinery	737	3,210	7,513	599	3,327	15,386
Bulk Terminal	—	74	46	—	91	211
Heavy Gas Oils	2,641	4,528	21,393	1,179	10,020	39,761
Refinery	2,640	4,518	18,358	1,179	9,948	36,643
Bulk Terminal	1	10	3,035	—	72	3,118
Residuum	1,102	2,471	5,333	394	2,441	11,741
Refinery	1,102	2,231	5,333	394	2,441	11,501
Bulk Terminal	—	240	—	—	—	240
Motor Gasoline Blending Components³	61,320	50,996	71,055	6,192	27,662	217,225
Refinery	4,744	15,502	25,578	3,403	14,275	63,502
Bulk Terminal	45,797	27,419	28,449	1,990	11,071	114,726
Pipeline	10,779	8,075	17,028	799	2,316	38,997
Reformulated - RBOB	20,020	6,646	10,015	—	13,712	50,393
Refinery	1,312	1,383	1,817	—	5,016	9,528
Bulk Terminal	15,139	3,835	4,285	—	7,197	30,456
Pipeline	3,569	1,428	3,913	—	1,499	10,409
Conventional	41,300	44,350	61,040	6,192	13,950	166,832
Refinery	3,432	14,119	23,761	3,403	9,259	53,974
Bulk Terminal	30,658	23,584	24,164	1,990	3,874	84,270
Pipeline	7,210	6,647	13,115	799	817	28,588
CBOB	26,473	34,979	31,905	4,463	6,841	104,661
Refinery	970	7,252	10,250	1,675	2,668	22,815
Bulk Terminal	18,293	21,360	8,721	1,989	3,360	53,723
Pipeline	7,210	6,367	12,934	799	813	28,123
GTAB	1,010	—	—	—	—	1,010
Refinery	—	—	—	—	—	—
Bulk Terminal	1,010	—	—	—	—	1,010
Pipeline	—	—	—	—	—	—
Other	13,817	9,371	29,135	1,729	7,109	61,161
Refinery	2,462	6,867	13,511	1,728	6,591	31,159
Bulk Terminal	11,355	2,224	15,443	1	514	29,537
Pipeline	—	280	181	—	4	465
Aviation Gasoline Blending Components	—	—	9	—	—	9
Refinery	—	—	9	—	—	9
Bulk Terminal	—	—	—	—	—	—
Finished Motor Gasoline	3,950	5,989	8,017	1,748	2,024	21,728
Refinery	54	1,385	3,101	850	714	6,116
Bulk Terminal	1,455	2,494	2,891	619	1,168	8,627
Pipeline	2,441	2,110	2,025	279	130	6,985
Reformulated	33	—	—	—	12	45
Refinery	—	—	—	—	12	12
Bulk Terminal	33	—	—	—	—	33
Pipeline	—	—	—	—	—	—
Reformulated (Blended with Fuel Ethanol)	33	—	—	—	12	45
Refinery	—	—	—	—	12	12
Bulk Terminal	33	—	—	—	—	33
Pipeline	—	—	—	—	—	—
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	3,917	5,989	8,017	1,748	2,012	21,683
Refinery	54	1,385	3,101	850	714	6,104
Bulk Terminal	1,422	2,494	2,891	619	1,168	8,594
Pipeline	2,441	2,110	2,025	279	130	6,985
Conventional (Blended with Fuel Ethanol)	64	96	—	68	—	228
Refinery	—	—	—	63	—	63
Bulk Terminal	64	96	—	5	—	165
Pipeline	—	—	—	—	—	—
Ed55 and Lower	64	96	—	68	—	228
Refinery	—	—	—	63	—	63
Bulk Terminal	64	96	—	5	—	165
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional (Other)	3,853	5,893	8,017	1,680	2,012	21,455
Refinery	54	1,385	3,101	787	714	6,041
Bulk Terminal	1,358	2,398	2,891	614	1,168	8,429
Pipeline	2,441	2,110	2,025	279	130	6,985

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, March 2017
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	187	224	354	11	215	991
Refinery	—	100	276	11	133	520
Bulk Terminal	187	124	78	—	82	471
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	10,701	7,644	13,931	598	9,409	42,283
Refinery	420	1,763	5,716	278	3,802	11,979
Bulk Terminal	4,943	3,940	3,869	227	4,669	17,648
Pipeline	5,338	1,941	4,346	93	938	12,656
Kerosene	1,862	114	227	2	14	2,219
Refinery	97	88	99	2	3	289
Bulk Terminal	1,761	26	115	—	11	1,913
Pipeline	4	—	13	—	—	17
Distillate Fuel Oil⁵	52,228	33,057	48,603	4,087	13,105	151,080
Refinery	2,383	6,931	15,186	1,786	5,208	31,494
Bulk Terminal	42,832	19,211	20,661	1,337	6,276	90,317
Pipeline	7,013	6,915	12,756	964	1,621	29,269
15 ppm sulfur and Under	44,049	32,207	42,551	3,829	12,171	134,807
Refinery	1,404	6,410	12,708	1,578	4,458	26,558
Bulk Terminal	36,792	19,159	18,186	1,289	6,159	81,585
Pipeline	5,853	6,638	11,657	962	1,554	26,664
Greater than 15 ppm to 500 ppm sulfur	3,596	461	1,659	210	210	6,136
Refinery	167	145	783	160	166	1,421
Bulk Terminal	3,330	42	396	48	44	3,860
Pipeline	99	274	480	2	—	855
Greater than 500 ppm sulfur	4,583	389	4,393	48	724	10,137
Refinery	812	376	1,695	48	584	3,515
Bulk Terminal	2,710	10	2,079	—	73	4,872
Pipeline	1,061	3	619	—	67	1,750
Residual Fuel Oil⁶	9,478	1,430	25,107	257	4,502	40,774
Refinery	600	1,060	3,467	257	2,777	8,161
Bulk Terminal	8,878	370	21,640	—	1,719	32,607
Pipeline	—	—	—	—	6	6
Less than 0.31% Sulfur	1,145	73	1,881	32	346	3,477
Refinery	170	68	170	32	—	440
Bulk Terminal	975	5	1,711	—	346	3,037
0.31% to 1.00% Sulfur	2,233	299	6,409	4	536	9,481
Refinery	47	142	253	4	440	886
Bulk Terminal	2,186	157	6,156	—	96	8,595
Greater than 1.00% Percent Sulfur	6,100	1,058	16,817	221	3,614	27,810
Refinery	383	850	3,044	221	2,337	6,835
Bulk Terminal	5,717	208	13,773	—	1,277	20,975
Petrochemical Feedstocks	156	609	2,446	—	1	3,212
Refinery	156	609	2,446	—	1	3,212
Naphtha for Petrochemical Feedstock Use	156	460	1,476	—	1	2,093
Other Oils for Petrochemical Feedstock Use	—	149	970	—	—	1,119
Special Naphthas	29	96	943	—	38	1,106
Refinery	22	58	760	—	38	878
Bulk Terminal	7	38	183	—	—	228
Lubricants	1,139	685	7,365	—	771	9,960
Refinery	628	202	4,501	—	557	5,888
Bulk Terminal	511	483	2,864	—	214	4,072
Waxes	372	48	264	—	—	684
Refinery	372	48	264	—	—	684
Petroleum Coke	—	992	4,621	205	1,167	6,985
Refinery	—	992	4,621	205	1,167	6,985
Asphalt and Road Oil	7,108	13,454	5,787	2,239	2,270	30,858
Refinery	1,373	4,365	2,597	797	782	9,914
Bulk Terminal	5,735	9,089	3,190	1,442	1,488	20,944
Miscellaneous Products	32	95	369	22	103	621
Refinery	32	95	364	22	103	616
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	5	—	—	5
Total Stocks, All Oils	188,725	329,181	1,326,575	46,550	141,476	2,032,507

— = No Data Reported.

¹ Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

² Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

³ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

⁴ Includes stocks held by merchant producers.

⁵ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

⁶ Sulfur content not available for stocks held by pipelines.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, March 2017
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	33	1,476	1,509	16,451	34,090	50,541	1,858
Connecticut	—	—	—	982	—	982	253
Delaware	—	—	—	1,108	622	1,730	84
District of Columbia	—	—	—	—	—	—	—
Florida	—	602	602	—	5,876	5,876	—
Georgia	—	187	187	—	2,859	2,859	—
Maine	—	—	—	467	239	706	118
Maryland	—	—	—	1,397	244	1,641	57
Massachusetts	5	—	5	1,175	83	1,258	18
New Hampshire	—	—	—	—	—	—	14
New Jersey	—	162	162	6,490	12,773	19,263	54
New York	28	—	28	1,260	2,148	3,408	474
North Carolina	—	145	145	—	2,596	2,596	278
Pennsylvania	—	16	16	1,284	4,264	5,548	147
Rhode Island	—	—	—	678	—	678	—
South Carolina	—	126	126	—	1,067	1,067	28
Vermont	—	64	64	—	—	—	4
Virginia	—	127	127	1,610	1,188	2,798	329
West Virginia	—	47	47	—	131	131	—
PAD District 2	—	3,879	3,879	5,218	37,703	42,921	114
Illinois	—	350	350	2,567	4,973	7,540	93
Indiana	—	335	335	1,209	5,384	6,593	—
Iowa	—	188	188	—	1,807	1,807	—
Kansas	—	283	283	—	4,498	4,498	10
Kentucky	—	214	214	405	1,033	1,438	8
Michigan	—	239	239	60	2,601	2,661	—
Minnesota	—	413	413	141	2,792	2,933	—
Missouri	—	190	190	185	672	857	—
Nebraska	—	78	78	—	980	980	—
North Dakota	—	94	94	—	1,112	1,112	—
Ohio	—	797	797	6	4,345	4,351	—
Oklahoma	—	413	413	—	3,298	3,298	3
South Dakota	—	58	58	—	425	425	—
Tennessee	—	84	84	—	1,714	1,714	—
Wisconsin	—	143	143	645	2,069	2,714	—
PAD District 3	—	5,992	5,992	6,102	47,925	54,027	214
Alabama	—	157	157	—	1,019	1,019	4
Arkansas	—	172	172	—	721	721	—
Louisiana	—	1,324	1,324	608	11,649	12,257	73
Mississippi	—	1,081	1,081	231	1,473	1,704	—
New Mexico	—	101	101	—	563	563	—
Texas	—	3,157	3,157	5,263	32,500	37,763	137
PAD District 4	—	1,469	1,469	—	5,393	5,393	2
Colorado	—	225	225	—	1,281	1,281	—
Idaho	—	274	274	—	203	203	—
Montana	—	381	381	—	1,679	1,679	—
Utah	—	159	159	—	1,305	1,305	2
Wyoming	—	430	430	—	925	925	—
PAD District 5	12	1,882	1,894	12,213	13,133	25,346	14
Alaska	—	773	773	—	—	—	11
Arizona	—	77	77	610	305	915	—
California	12	254	266	11,572	7,425	18,997	3
Hawaii	—	1	1	—	820	820	—
Nevada	—	136	136	12	401	413	—
Oregon	—	58	58	—	972	972	—
Washington	—	583	583	19	3,210	3,229	—
U.S. Total	45	14,698	14,743	39,984	138,244	178,228	2,202

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, March 2017
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane/ Propylene
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	38,196	3,497	3,522	45,215	9,478	2,421
Connecticut	2,259	1,355	103	3,717	9	—
Delaware	277	42	70	389	593	1
District of Columbia	—	—	—	—	—	—
Florida	2,322	67	—	2,389	1,689	167
Georgia	1,255	—	—	1,255	356	12
Maine	1,045	1	569	1,615	91	—
Maryland	3,415	251	—	3,666	888	4
Massachusetts	690	490	229	1,409	181	—
New Hampshire	228	—	245	473	48	219
New Jersey	12,061	189	1,130	13,380	3,250	97
New York	6,138	46	251	6,435	1,072	162
North Carolina	1,154	—	14	1,168	—	334
Pennsylvania	3,829	196	566	4,591	578	1,161
Rhode Island	554	620	—	1,174	1	—
South Carolina	730	—	—	730	312	186
Vermont	40	—	16	56	—	—
Virginia	2,062	209	329	2,600	410	4
West Virginia	137	31	—	168	—	74
PAD District 2	25,569	187	386	26,142	1,430	7,885
Illinois	3,272	—	—	3,272	468	529
Indiana	3,527	—	95	3,622	84	366
Iowa	2,888	1	—	2,889	2	228
Kansas	1,931	—	—	1,931	34	3,614
Kentucky	895	—	4	899	187	144
Michigan	1,605	—	—	1,605	246	2,116
Minnesota	2,200	6	77	2,283	114	85
Missouri	797	35	6	838	15	82
Nebraska	948	—	—	948	—	140
North Dakota	1,223	1	—	1,224	70	58
Ohio	1,939	—	78	2,017	116	415
Oklahoma	1,516	46	72	1,634	23	43
South Dakota	615	—	—	615	—	22
Tennessee	845	—	—	845	43	4
Wisconsin	1,368	98	54	1,520	28	39
PAD District 3	30,894	1,179	3,774	35,847	25,107	22,377
Alabama	1,249	6	42	1,297	380	28
Arkansas	703	—	35	738	—	65
Louisiana	4,560	847	1,221	6,628	10,923	1,931
Mississippi	875	181	159	1,215	38	1,719
New Mexico	288	—	—	288	28	2
Texas	23,219	145	2,317	25,681	13,738	18,632
PAD District 4	2,867	208	48	3,123	257	117
Colorado	495	—	—	495	4	24
Idaho	229	—	—	229	—	—
Montana	1,158	81	—	1,239	80	23
Utah	495	63	48	606	63	25
Wyoming	490	64	—	554	110	45
PAD District 5	10,617	210	657	11,484	4,496	484
Alaska	1,001	—	56	1,057	163	3
Arizona	692	14	—	706	—	82
California	5,715	196	292	6,203	2,798	172
Hawaii	251	—	306	557	765	80
Nevada	328	—	3	331	—	—
Oregon	950	—	—	950	7	—
Washington	1,680	—	—	1,680	763	147
U.S. Total	108,143	5,281	8,387	121,811	40,768	33,284

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, March 2017
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	154	73	0	3,284	32,714	8,207	4,448	174	26,016
Petroleum Products	13,724	39	0	13,922	34,242	6,685	6,340	103,621	16,980
Pentanes Plus	10	0	—	0	1,262	304	—	0	5,508
Liquefied Petroleum Gases	4,437	29	0	2,642	22,450	3,628	696	1,394	2,260
Unfinished Oils	47	0	—	0	452	—	—	0	123
Motor Gasoline Blending Components	6,185	0	0	1,194	1,543	973	0	51,375	3,673
Reformulated - RBOB	0	0	0	0	273	—	0	6,721	1,241
Conventional	6,185	0	0	1,194	1,270	973	0	44,654	2,432
CBOB	6,185	0	0	1,194	1,161	973	0	44,654	1,862
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	0	—	109	—	0	—	570
Renewable Fuels	0	0	0	8,430	6,173	—	0	281	0
Fuel Ethanol	0	0	0	8,292	5,991	261	5,375	281	0
Renewable Diesel Fuel ²	0	0	0	139	183	19	269	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	107	0	0	492	460	146	0	8,889	1,182
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	107	0	0	492	460	146	0	8,889	1,182
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	107	0	0	492	460	146	0	8,889	1,182
Finished Aviation Gasoline	0	0	0	0	0	—	0	909	30
Kerosene-Type Jet Fuel	218	0	0	134	30	714	0	14,691	1,058
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,681	0	0	935	945	640	0	25,226	2,592
15 ppm sulfur and under	2,681	0	0	935	945	640	0	22,891	2,543
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—	—	207	49
Greater than 500 ppm sulfur	0	0	—	0	0	0	—	2,128	0
Residual Fuel Oil	0	0	—	—	762	—	—	—	0
Petrochemical Feedstocks	39	0	—	0	133	—	—	0	0
Naphtha for Petrochemical Feedstock Use	0	0	—	—	90	—	—	—	0
Other Oils for Petrochemical Feedstock Use	39	0	—	0	43	—	—	0	0
Special Naphthas	0	0	—	—	0	—	—	—	25
Lubricants	0	10	—	7	0	—	—	652	392
Waxes	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	88	32	—	—	204	111
Miscellaneous Products	0	0	—	—	0	—	—	—	26
Total	13,878	112	0	17,207	66,956	14,892	10,788	103,795	42,996

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, March 2017
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	55	0	20,083	943	220	0	0	0
Petroleum Products	0	4,642	0	7,874	7,073	1,923	0	0	0
Pentanes Plus	0	—	0	682	948	—	0	0	0
Liquefied Petroleum Gases	0	69	0	6,082	6,125	115	0	0	0
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	3,426	0	343	0	1,218	0	0	0
Reformulated - RBOB	—	2,025	0	0	0	0	0	0	—
Conventional	0	1,401	0	343	0	1,218	0	0	0
CBOB	0	1,352	0	343	0	1,218	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	49	—	0	0	0	—	0	—
Renewable Fuels	—	503	0	0	0	0	0	0	—
Fuel Ethanol	0	323	0	0	0	0	0	0	0
Renewable Diesel Fuel ²	0	180	0	0	0	0	0	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	389	0	272	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	389	0	272	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	389	0	272	0	0	0
Finished Aviation Gasoline	—	47	0	0	0	0	0	0	—
Kerosene-Type Jet Fuel	0	317	0	24	0	7	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	0	280	0	354	0	311	0	0	0
15 ppm sulfur and under	0	280	0	291	0	311	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	0	63	0	—	0	0	0
Residual Fuel Oil	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use	—	—	0	0	0	—	0	0	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	—	—	0	0	0	—	0	0	—
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	0	4,697	0	27,957	8,016	2,143	0	0	0

— = No Data Reported.

¹ Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 2017
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	78	73	239	31,710	8,207	174	25,941	0	-
Petroleum Products	13,415	0	2,712	23,634	6,405	82,319	15,389	0	3,974
Pentanes Plus	10	0	0	1,262	304	0	5,508	0	-
Liquefied Petroleum Gases	4,238	0	682	19,896	3,628	1,307	2,048	0	-
Motor Gasoline Blending Components	6,161	0	858	1,384	973	41,504	3,407	0	3,377
Reformulated - RBOB	0	0	0	273	-	6,721	1,241	-	2,025
Conventional	6,161	0	858	1,111	973	34,783	2,166	0	1,352
CBOB	6,161	0	858	1,111	973	34,783	1,862	0	1,352
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	304	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	107	0	471	117	146	4,215	1,047	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	107	0	471	117	146	4,215	1,047	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	107	0	471	117	146	4,215	1,047	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	218	0	134	30	714	13,318	1,058	0	317
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,681	0	567	945	640	21,975	2,321	0	280
15 ppm sulfur and under	2,681	0	567	945	640	19,640	2,272	0	280
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	-	207	49	-	-
Greater than 500 ppm sulfur	0	0	0	0	0	2,128	0	0	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	13,493	73	2,951	55,344	14,612	82,493	41,330	0	3,974

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, March 2017
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	20,083	356	-	0	0
Petroleum Products	0	7,874	7,073	1,808	0	0
Pentanes Plus	0	682	948	-	0	0
Liquefied Petroleum Gases	0	6,082	6,125	-	0	0
Motor Gasoline Blending Components	0	343	0	1,218	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	343	0	1,218	0	0
CBOB	0	343	0	1,218	0	0
GTAB	-	-	-	-	-	-
Other	-	0	0	-	0	-
Renewable Fuels	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	389	0	272	0	0
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	389	0	272	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	389	0	272	0	0
Finished Aviation Gasoline	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	24	0	7	0	0
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	0	354	0	311	0	0
15 ppm sulfur and under	0	291	0	311	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	-	0	-
Greater than 500 ppm sulfur	0	63	0	-	0	0
Residual Fuel Oil	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-
Total	0	27,957	7,429	1,808	0	0

- = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, March 2017
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	76	0	-	264	407	-
Petroleum Products	110	10	0	840	2,712	0
Liquefied Petroleum Gases	-	0	-	0	0	-
Unfinished Oils	47	0	-	0	452	-
Motor Gasoline Blending Components	24	0	0	336	159	0
Reformulated - RBOB	-	-	-	-	-	-
Conventional	24	0	0	336	159	0
CBOB	24	0	-	336	50	-
GTAB	-	-	-	-	-	-
Other	0	0	0	-	109	0
Renewable Fuels	0	0	-	20	831	-
Fuel Ethanol	0	0	-	20	810	-
Renewable Diesel Fuel ¹	0	0	0	-	21	0
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	0	-	21	343	-
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	0	-	21	343	-
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	0	-	21	343	-
Finished Aviation Gasoline	0	0	0	0	0	0
Kerosene-Type Jet Fuel	-	0	-	0	0	-
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	0	0	-	368	0	-
15 ppm sulfur and under	0	0	-	368	0	-
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-
Residual Fuel Oil	0	0	-	-	762	-
Less than 0.31 percent sulfur	0	0	-	-	57	-
0.31 to 1.00 percent sulfur	0	0	-	-	33	-
Greater than 1.00 percent sulfur	0	0	-	-	672	-
Petrochemical Feedstocks	39	0	-	0	133	-
Naphtha for Petrochemical Feedstock Use	0	0	-	-	90	-
Other Oils for Petrochemical Feedstock Use	39	0	-	0	43	-
Special Naphthas	0	0	-	-	0	-
Lubricants	0	10	-	7	0	-
Waxes	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	88	32	-
Miscellaneous Products	0	0	-	-	0	-
Total	186	10	0	1,104	3,119	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, March 2017
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	0	—	—	—	75	—	0	0	0
Petroleum Products	21,244	—	325	20,919	1,379	193	0	0	0
Liquefied Petroleum Gases	29	—	—	29	—	—	0	—	0
Unfinished Oils	0	—	—	—	123	—	0	0	0
Motor Gasoline Blending Components	9,871	—	—	9,871	266	49	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	9,871	—	—	9,871	266	49	0	0	0
CBOB	9,871	—	—	9,871	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	266	49	—	0	0
Renewable Fuels	281	—	—	281	0	—	0	0	0
Fuel Ethanol	281	—	—	281	0	—	0	0	0
Renewable Diesel Fuel ¹	—	—	—	—	0	97	—	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	4,674	—	—	4,674	135	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	4,674	—	—	4,674	135	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	4,674	—	—	4,674	135	—	0	0	0
Finished Aviation Gasoline	909	—	—	909	30	47	0	0	0
Kerosene-Type Jet Fuel	1,373	—	—	1,373	—	—	0	—	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	3,251	—	—	3,251	271	—	0	0	0
15 ppm sulfur and under	3,251	—	—	3,251	271	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur	—	—	—	—	0	—	—	0	0
0.31 to 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks	0	—	—	—	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use	0	—	—	—	0	—	0	0	0
Special Naphthas	—	—	—	—	25	—	—	0	0
Lubricants	652	—	325	327	392	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	204	—	—	204	111	—	0	0	0
Miscellaneous Products	—	—	—	—	26	—	—	0	0
Total	21,244	—	325	20,919	1,454	193	0	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, March 2017
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	2,781	597	0	4,448
Propane	149	29	0	0	1,033	1,751	0	345
Propylene	0	0	-	-	120	759	-	-
Normal Butane	15	0	0	0	520	43	0	255
Isobutane	35	0	0	0	287	1	0	96
Fuel Ethanol	0	0	0	0	8,272	5,181	261	5,375
Biodiesel	0	0	0	0	139	162	19	269

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	55	0	0	587	220
Propane	0	97	0	0	0	0	0	99
Propylene	0	0	-	-	0	0	0	-
Normal Butane	58	41	0	34	0	0	0	8
Isobutane	0	74	0	35	0	0	0	8
Fuel Ethanol	0	0	0	323	0	0	0	0
Biodiesel	0	0	0	83	0	0	0	0

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	-
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	0

- = No Data Reported.

Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, March 2017
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	78	76	0	154
3	73	0	0	73
4	0	-	0	0
5	-	-	0	0
From 2 to				
1	239	264	2,781	3,284
3	31,710	407	597	32,714
4	8,207	-	0	8,207
5	-	-	4,448	4,448
From 3 to				
1	174	0	0	174
2	25,941	75	0	26,016
4	0	-	0	0
5	-	-	55	55
From 4 to				
1	0	0	0	0
2	20,083	0	0	20,083
3	356	0	587	943
5	-	-	220	220
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	-	0	0

- = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, March 2017
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	3,458	227	3,231	46,253	48,653	-2,400	33,730	26,245	7,485
Petroleum Products	117,543	13,763	103,780	38,578	61,190	-22,612	41,354	125,243	-83,889
Pentanes Plus	0	10	-10	6,200	1,566	4,634	2,210	5,508	-3,298
Liquefied Petroleum Gases	4,036	4,466	-430	12,779	29,416	-16,637	28,604	3,723	24,881
Ethane/Ethylene	45	4,175	-4,130	6,471	10,457	-3,986	11,563	567	10,996
Propane/Propylene	3,126	223	2,903	3,806	14,667	-10,861	13,432	2,202	11,230
Normal Butane/Butylene	578	20	558	1,388	3,195	-1,807	2,633	347	2,286
Isobutane/Isobutylene	287	48	239	1,114	1,097	17	976	607	369
Unfinished Oils	0	47	-47	170	452	-282	452	123	329
Motor Gasoline Blending Components	52,569	6,185	46,384	10,201	3,710	6,491	1,543	58,474	-56,931
Reformulated - RBOB	6,721	0	6,721	1,241	273	968	273	9,987	-9,714
Conventional	45,848	6,185	39,663	8,960	3,437	5,523	1,270	48,487	-47,217
CBOB	45,848	6,185	39,663	8,390	3,328	5,062	1,161	47,868	-46,707
GTAB	0	0	-	-	-	-	-	-	-
Other	0	0	-	570	109	461	109	619	-510
Renewable Fuels	8,711	0	8,711	0	20,528	-20,528	6,173	784	5,389
Fuel Ethanol	8,573	0	8,573	0	19,918	-19,918	5,991	604	5,386
Renewable Diesel Fuel ¹	139	0	139	0	610	-610	183	180	3
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	9,381	107	9,274	1,678	1,098	580	460	10,071	-9,611
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	9,381	107	9,274	1,678	1,098	580	460	10,071	-9,611
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	9,381	107	9,274	1,678	1,098	580	460	10,071	-9,611
Finished Aviation Gasoline	909	0	909	30	0	30	0	986	-986
Kerosene-Type Jet Fuel	14,825	218	14,607	1,300	878	422	30	16,066	-16,036
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	26,161	2,681	23,480	5,627	2,520	3,107	945	28,098	-27,153
15 ppm sulfur and under	23,826	2,681	21,145	5,515	2,520	2,995	945	25,714	-24,769
Greater than 15 ppm to 500 ppm sulfur	207	0	207	49	0	49	0	256	-256
Greater than 500 ppm sulfur	2,128	0	2,128	63	0	63	0	2,128	-2,128
Residual Fuel Oil	0	0	-	0	762	-762	762	0	762
Petrochemical Feedstocks	0	39	-39	39	133	-94	133	0	133
Naphtha for Petrochemical Feedstock Use	0	0	-	0	90	-90	90	0	90
Other Oils for Petrochemical Feedstock Use	0	39	-39	39	43	-4	43	0	43
Special Naphthas	0	0	-	25	0	25	0	25	-25
Lubricants	659	10	649	392	7	385	10	1,044	-1,034
Waxes	0	0	-	0	0	-	0	0	-
Asphalt and Road Oil	292	0	292	111	120	-9	32	315	-283
Miscellaneous Products	0	0	-	26	0	26	0	26	-26
Total	121,002	13,990	107,012	84,831	109,843	-25,012	75,084	151,488	-76,404

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, March 2017
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	8,207	21,246	-13,039	4,723	0	4,723
Petroleum Products	6,685	16,870	-10,185	12,905	0	12,905
Pentanes Plus	304	1,630	-1,326	0	0	-
Liquefied Petroleum Gases	3,628	12,322	-8,694	880	0	880
Ethane/Ethylene	1,051	3,931	-2,880	0	0	-
Propane/Propylene	1,661	5,377	-3,716	444	0	444
Normal Butane/Butylene	670	2,004	-1,334	297	0	297
Isobutane/Isobutylene	246	1,010	-764	139	0	139
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	973	1,561	-588	4,644	0	4,644
Reformulated - RBOB	-	-	-	2,025	0	2,025
Conventional	973	1,561	-588	2,619	0	2,619
CBOB	973	1,561	-588	2,570	0	2,570
GTAB	-	-	-	-	-	-
Other	0	0	-	49	0	49
Renewable Fuels	280	0	280	6,147	0	6,147
Fuel Ethanol	261	0	261	5,698	0	5,698
Renewable Diesel Fuel ¹	19	0	19	449	0	449
Other Renewable Fuels	-	-	-	0	0	-
Finished Motor Gasoline	146	661	-515	272	0	272
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	146	661	-515	272	0	272
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-
Conventional Other	146	661	-515	272	0	272
Finished Aviation Gasoline	0	0	-	47	0	47
Kerosene-Type Jet Fuel	714	31	683	324	0	324
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	640	665	-25	591	0	591
15 ppm sulfur and under	640	602	38	591	0	591
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-
Greater than 500 ppm sulfur	0	63	-63	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	0	0	-
Asphalt and Road Oil	0	0	-	0	0	-
Miscellaneous Products	0	0	-	0	0	-
Total	14,892	38,116	-23,223	17,628	0	17,628

- = No Data Reported.

Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

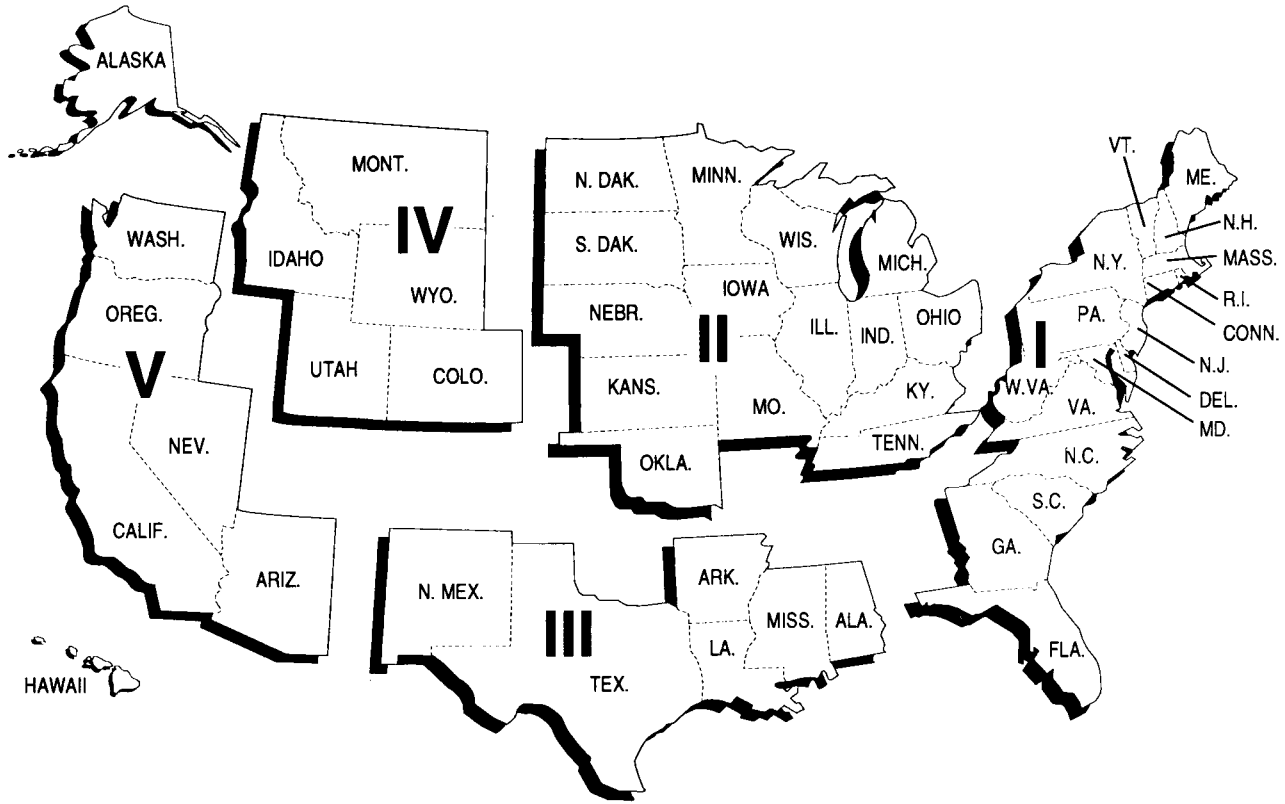
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

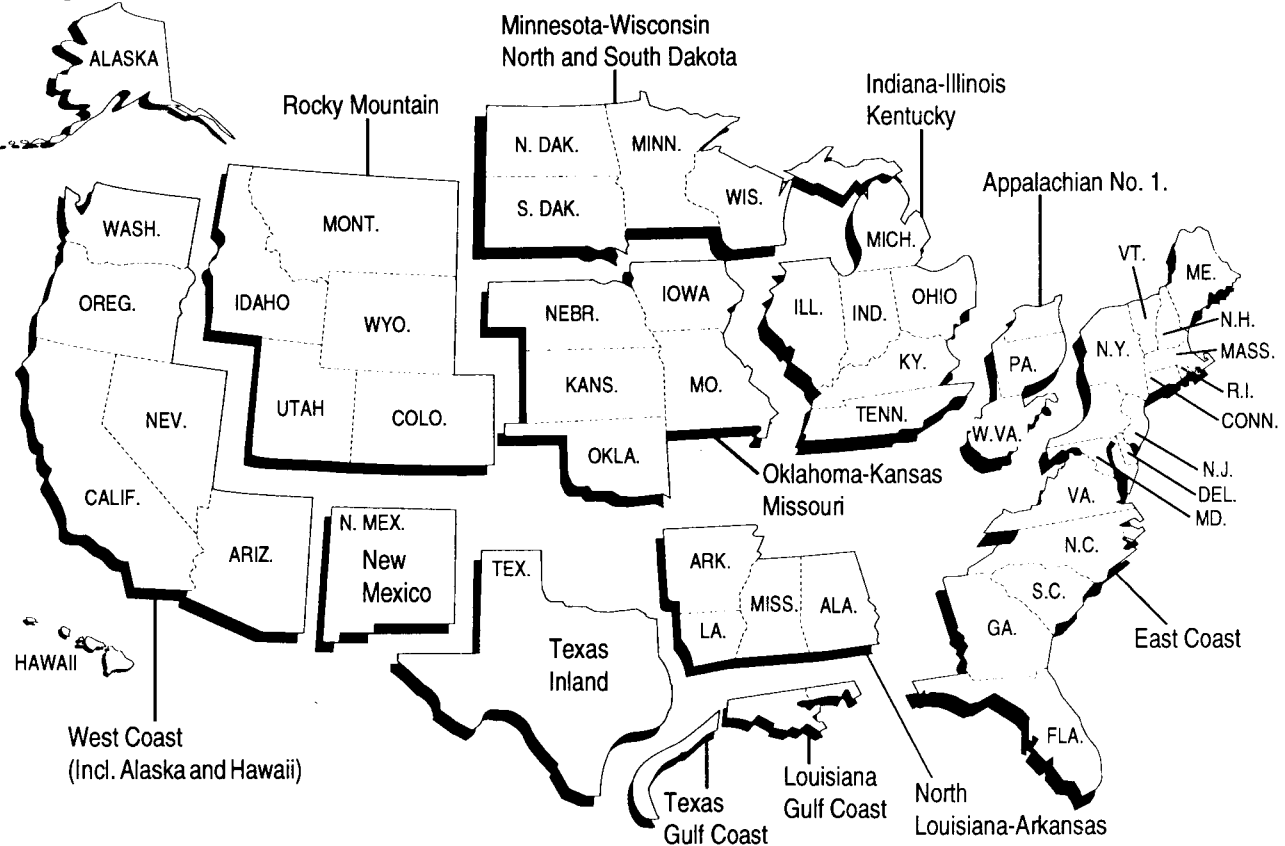
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



PSM Explanatory Notes

Preface

The *Petroleum Supply Monthly (PSM)* is the monthly component of a series of three publications concerning the supply and disposition of crude oil and petroleum products produced by the Petroleum Division of the Energy Information Administration (EIA). The other two components are the *Weekly Petroleum Status Report (WPSR)* and the *Petroleum Supply Annual (PSA)*. Together these publications present a comprehensive snapshot of petroleum supply data on a weekly, monthly and yearly basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

The PSM tables present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Final statistics for the data series published in the *PSM* are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.

Appendix B. Explanatory Notes

1. Overview

A. The Energy Information Administration's Quality Guidelines

The data contained in the *Petroleum Supply Monthly (PSM)* are subject to separate information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM are often interpreted as an approximation of petroleum demand measured as product supplied. Product supplied is often called "implied" demand because it is a measure of demand that is implied by disappearance of petroleum products from facilities and activities in the "primary" supply chain. Facilities and activities in the primary supply chain include refineries and blending terminals, gas processing plants and fractionators, oxygenate producers, biodiesel producers, imports, exports, bulk storage terminals, and pipelines. Total product supplied in the PSM at the U.S. level is equal to the sum of field production, plus refinery and blender net production, plus renewable fuels, and oxygenate plant net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Net receipts are added as a component of supply at the PAD District level. Crude oil product supplied is normally zero because crude oil is processed in refineries and rarely, if ever, used directly.

The secondary system is that portion of the overall distribution network that falls between producers and end-users. Product typically flows in bulk from the primary supply system into the secondary system before delivery in small quantities to consumers (the tertiary system). The secondary system includes storage at bulk plants; at retail motor fuel outlets, such as service stations, truck stops, and convenience stores; and at retail fuel oil dealers. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, by definition, receive product only by tank car or truck, not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, jet fuel stored in facilities operated by end users, and certain proprietary storage of raw materials (e.g. propane) for the chemical industry.

Data users sometimes consider demand as sales to the ultimate consumer or as the actual consumption of the product. Since there may be time delays between the movement of product into the primary market and its ultimate purchase or consumption, these definitions of demand require data on changes in secondary and/or tertiary stocks or the assumption that these values either remain constant or are small

compared to primary supply. The most recent study of secondary stocks was done by the National Petroleum Council in 1989. This study revealed that secondary distillate stocks were equal to about 6.9 percent of distillate stocks and 6.7 percent of distillate storage capacity.

C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to "Domestic Crude Oil Production" in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes oxygenates (fuel ethanol, ETBE, MTBE, and other oxygenates) plus negative production of pentanes plus, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants as well as biodiesel. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Form EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender net inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the

same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 60.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. Adjustment quantities are derived either to balance supply and disposition for selected products or to reclassify one product to another product. Product supplied is the balancing item for most products and is interpreted as an implied measure of petroleum demand. Adjustments are used in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

(2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, liquefied petroleum gases, pentanes plus, hydrogen, oxygenates, renewable fuels, and other hydrocarbons) that are processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Inputs of natural gas plant liquids are refinery input of natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas plant liquids are reported on a gross basis.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery input minus refinery production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied value indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, product supplied for crude oil is assumed equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in Petroleum Navigator were revised beginning with data for January 2005 to exclude lease stocks. Petroleum Navigator data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mdbl_m_cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mdbl_m.htm

2. Components - Forms Discussions

The data presented in the PSM include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data obtained from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Terminal Blender Report,"
6. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey,"
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Terminal Blender Report,"
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Oxygenate Report"

17. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pet_survey_forms.html

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included. Product pipeline tank storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis. Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks. Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts

are not included. Crude oil storage capacity of tank farms is collected on a semi-annual basis.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, and gasoline blending components only.

The Form EIA-815, “Monthly Terminal Blender Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on a semi-annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Oxygenate Report” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Fuel ethanol storage capacity is collected on a semi-annual basis.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities

currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Terminal Blender Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands,

Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Oxygenate Report” include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

(3.) Collection

Survey data for the MPSRS are collected by facsimile, email, Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies

result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Imputation is performed for companies that fail to file Forms EIA-22M, 810, 812, 813, 815, 816, and 819. For these companies, previous monthly values and values reported on the weekly survey forms are used if available. Data for nonrespondents to the Forms EIA-814 and 817 are not imputed because respondent-level data for these surveys are highly variable.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

(6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, “Comparison of Independent Statistics on Petroleum Supply.” Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

(7.) Dissemination

The *PSM* data are normally released within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available on the web product, Petroleum Navigator. Petroleum Navigator provides an interface for accessing a comprehensive set of EIA’s petroleum data. Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum Navigator can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

(a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;

(b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.

(c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum

Navigator and the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-915 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Once the data necessary for calculating rail movements become available, which may take as long as 60 days after the end of a calendar quarter, EIA will revise the estimates made.

Movements of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane by rail are based on EIA analysis of carload data from the STB CWS. Additional data from the NEB, OGSM, and the EIA-915 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, and isobutane are converted to barrels using data from the CWS.

Carload data from the STB are available approximately 60 days after the end of each quarter. For example, carload data for the first quarter of each year are typically available by about June 1. Therefore, recent-month rail movements reported by EIA in the Petroleum Supply Monthly and Petroleum Navigator are modeled based on historical rail movement averages, medians, or correlations of rail movements derived from actual carload data with other regional supply data collected by EIA or other sources including field production, imports, refinery and blender inputs, movements other than rail, exports, and supply adjustments.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available through Petroleum Navigator on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum Navigator tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL Adjustment)

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas

processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and pentanes plus also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), "other" motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and "other" motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each

PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated

to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum

of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of fuel ethanol between PAD Districts, and so allocation of fuel ethanol adjustments to PAD Districts is based on the ratio of fuel ethanol blending reported on surveys in each PAD District divided by fuel ethanol blending reported on surveys for the entire U.S. In this case, Fuel ethanol implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Fuel ethanol implied net receipts are the balancing item between total supply and disposition in each PAD District. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum

supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of biodiesel between PAD Districts, and so allocation of fuel biodiesel adjustments to PAD Districts is based on the ratio of biomass-based diesel blending reported on surveys in each PAD District divided by biomass-based diesel fuel blending reported on surveys for the entire U.S. Biodiesel implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Biodiesel implied net receipts are the balancing item between total supply and disposition in each PAD District. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and to total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol).

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the Previously published Petroleum Supply Annual every month in the Petroleum Supply Navigator (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in the Petroleum Supply Navigator.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form.

The information reported on Forms EIA-810 through 813, 815 through 817, 819, and 820 will be protected and not disclosed to the

public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Appendix D

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
BP Products North America	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	87
Fuel Ethanol	NY	9
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

Definitions of Petroleum Products and Other Terms

(Revised May 2010)

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$ (e.g., methanol, ethanol, and tertiary butyl alcohol).

Alkylate. The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

All Other Motor Gasoline Blending Components. See **Motor Gasoline Blending Components.**

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Atmospheric Crude Oil Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Aviation Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

Barrel. A unit of volume equal to 42 U.S. gallons.

Barrels Per Calendar Day. The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

Benzene (C_6H_6). An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

Biomass-Based Diesel Fuel. Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

Blending Components. See *Motor or Aviation Gasoline Blending Components*.

Blending Plant. A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

Bonded Petroleum Imports. Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

BTX. The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

Bulk Station. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

Bulk Terminal. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

Butane (C₄H₁₀). A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Normal Butane (C₄H₁₀). A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

Refinery-Grade Butane (C₄H₁₀). A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

Butylene (C₄H₈). An olefinic hydrocarbon recovered from refinery processes.

Captive Refinery Oxygenate Plants. Oxygenate production facilities located within or adjacent to a refinery complex.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Commercial Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Conventional Blendstock for Oxygenate Blending (CBOB). See *Motor Gasoline Blending Components*.

Conventional Gasoline. See *Motor Gasoline (Finished)*.

Crude Oil. A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its 'Outer continental shelf' as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

Crude Oil, Refinery Receipts. Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

Crude Oil Losses. Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

Crude Oil Production. The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

Crude Oil Qualities. Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Desulfurization. The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See **Catalytic Hydrotreating.**

Disposition. The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

No. 1 Distillate. A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 1 Diesel Fuel. A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See **No. 1 Distillate.**

No. 1 Fuel Oil. A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate.**

No. 2 Distillate. A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 2 Diesel Fuel. A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate.**

Low Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

High Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

No. 4 Fuel. A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

No. 4 Diesel Fuel. See **No. 4 Fuel**.

No. 4 Fuel Oil. See **No. 4 Fuel**.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ending Stocks. Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

ETBE (Ethyl tertiary butyl ether) (CH₃)₃COC₂H₅. An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

Ethane (C₂H₆). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene (C₂H₄). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

Exports. Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

Flexicoking. A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fresh Feed Input. Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

Fuel Ethanol (C₂H₅OH). An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Gasoline Treated as Blendstock (GTAB). See **Motor Gasoline Blending Components**.

Gross Input to Atmospheric Crude Oil Distillation Units. Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Heavy Gas Oil. Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

High-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 500 ppm.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Imports. Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Isobutane (C₄H₁₀). A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

Isobutylene (C₄H₈). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C₆H₁₄). A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C₄), an alkylation process feedstock, and normal pentane and hexane into isopentane (C₅) and isohexane (C₆), high-octane gasoline components.

Isopentane. See *Natural Gasoline and Isopentane.*

Kerosene. A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel.*

Kerosene-Type Jet Fuel. A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

Commercial. Kerosene-type jet fuel intended for use in commercial aircraft.

Military. Kerosene-type jet fuel intended for use in military aircraft.

Lease Condensate. A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids.*

Light Gas Oils. Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

Liquefied Petroleum Gases (LPG). A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

Low-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

Lubricants. Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Merchant Oxygenate Plants. Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

Methanol (CH₃OH). A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

Middle Distillates. A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

Military Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel.*

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

Conventional Gasoline. Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

Ed 55 and Lower. Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

Greater than Ed55. Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

OPRG. "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

Oxygenated Gasoline (Including Gasohol). Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

Reformulated Gasoline. Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

Reformulated (Blended with Alcohol). Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

Reformulated (Blended with Ether). Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

Reformulated (Non-Oxygenated). Reformulated gasoline without added ether or alcohol components.

Motor Gasoline Blending. Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

Conventional Blendstock for Oxygenate Blending (CBOB). Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

Gasoline Treated as Blendstock (GTAB). Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

Reformulated Blendstock for Oxygenate Blending (RBOB).

Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

RBOB for Blending with Alcohol. Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

RBOB for Blending with Ether. Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

All Other Motor Gasoline Blending Components.

Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

MTBE (Methyl tertiary butyl ether) $(CH_3)_3COCH_3$. An ether intended for gasoline blending as described in Oxygenate definition.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

Naphtha Less Than 401° F. See *Petrochemical Feedstocks*.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

Natural Gas. A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Liquids. Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

Natural Gas Plant Liquids. Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gas Processing Plant. Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}) , obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Receipts. The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

Normal Butane. See *Butane*.

OPEC. An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current members (with years of membership) include Algeria (1969-present), Angola (2007-present), Ecuador (1973-1992 and 2007-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-present), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and Venezuela (1960-present).

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operable Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Operating Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives and gilsonite. Excludes natural gas used for fuel or hydrogen feedstock.

Other Oils Equal To or Greater Than 401° F. See *Petrochemical Feedstocks*.

Other Oxygenates. Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Oxygenated Gasoline. See *Motor Gasoline (Finished)*.

Oxygenates. Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Fuel Ethanol. Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

Methanol. Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

MTBE (Methyl tertiary butyl ether). Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that

the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Persian Gulf. The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

Naphtha Less Than 401° F. A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

Other Oils Equal To or Greater Than 401° F. Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

Petroleum Administration for Defense (PAD) Districts. Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

Petroleum Coke. A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Catalyst Coke. In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Pipeline (Petroleum). Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Processing Gain. The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

Processing Loss. The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Product Supplied, Crude Oil. Crude oil burned on leases and by pipelines as fuel.

Production Capacity. The maximum amount of product that can be produced from processing facilities.

Products Supplied. Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

Propane (C₃H₈). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene (C₃H₆). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C₃H₆) (nonfuel use). Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

Refinery-Grade Butane. See **Butane**.

Refinery Input, Crude Oil. Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

Refinery Input, Total. The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

Refinery Production. Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

Refinery Yield. Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

Reformulated Blendstock for Oxygenate Blending (RBOB). See **Motor Gasoline Blending Components**.

Reformulated Gasoline. See **Motor Gasoline (Finished)**.

Renewable Fuels (Other). Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

Residual Fuel Oil. A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

Stock Change. The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Supply. The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

TAME (Tertiary amyl methyl ether) $(CH_3)_2(C_2H_5)COCH_3$. An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

Tank Farm. An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

Tanker and Barge. Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal

to a PAD District.

TBA (Tertiary butyl alcohol) $(CH_3)_3COH$. An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene $(C_6H_5CH_3)$. Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

Ultra-Low Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

Unaccounted for Crude Oil. Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

Unfinished Oils. All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

United States. The United States is defined as the 50 States and the District of Columbia.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point

(ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

Working Storage Capacity. The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene ($C_6H_4(CH_3)_2$). Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.