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Administration

Petroleum Supply Monthly

with data for May 2017

July 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
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- Imports by country of origin
- Exports
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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 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	284,230	--	--	260,322	9,463	-11,275	533,575	31,715	0	1,201,346
Natural Gas Plant Liquids and Liquefied Refinery Gases	115,350	-657	28,155	5,133	--	17,409	14,994	41,285	74,293	175,603
Pentanes Plus	13,906	-657	--	537	--	-973	5,932	5,453	3,374	19,545
Liquefied Petroleum Gases	101,444	--	28,155	4,596	--	18,382	9,062	35,832	70,919	156,058
Ethane/Ethylene	43,542	--	238	--	--	194	--	5,934	37,652	56,618
Propane/Propylene	37,537	--	19,285	3,725	--	7,274	--	26,507	26,766	50,160
Normal Butane/Butylene	8,773	--	8,832	508	--	10,824	2,028	3,145	2,116	39,982
Isobutane/Isobutylene	11,592	--	-200	363	--	90	7,034	246	4,385	9,298
Other Liquids	--	36,948	--	42,102	2,495	-661	68,686	14,869	-1,348	343,672
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	36,952	--	1,683	3,016	-1,703	38,394	4,961	0	30,288
Hydrogen	--	--	--	--	6,946	--	6,946	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,015	--	221	-507	-153	--	1,882	0	1,544
Renewable Fuels (including Fuel Ethanol)	--	34,937	--	1,457	-3,451	-1,532	31,397	3,079	0	28,716
Fuel Ethanol ⁵	--	31,700	--	31	-368	-684	29,207	2,840	0	22,909
Renewable Fuels Except Fuel Ethanol	--	3,237	--	1,426	-3,083	-848	2,190	239	0	5,807
Other Hydrocarbons	--	--	--	5	28	-18	51	--	0	28
Unfinished Oils	--	--	--	17,896	--	2,790	8,588	7,827	-1,309	93,232
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-4	--	22,523	-521	-1,749	21,666	2,081	0	220,138
Reformulated	--	--	--	7,807	1,683	367	9,111	12	0	53,195
Conventional	--	-4	--	14,716	-2,204	-2,116	12,555	2,069	0	166,943
Aviation Gasoline Blend. Comp.	--	--	--	--	--	1	38	--	-39	14
Finished Petroleum Products	--	103	623,976	21,911	4,048	-197	--	102,522	547,713	318,081
Finished Motor Gasoline	--	103	313,892	1,132	889	155	--	18,579	297,282	21,983
Reformulated	--	--	102,851	--	-893	0	--	--	101,958	46
Conventional	--	103	211,041	1,132	1,783	155	--	18,579	195,324	21,937
Finished Aviation Gasoline	--	--	300	3	--	-52	--	--	355	962
Kerosene-Type Jet Fuel	--	--	53,107	3,902	--	-92	--	5,315	51,786	44,454
Kerosene	--	--	147	--	--	-203	--	259	91	1,903
Distillate Fuel Oil ⁵	--	--	162,130	3,852	3,159	-847	--	46,954	123,033	153,793
15 ppm sulfur and under	--	--	152,757	2,719	3,159	-704	--	39,322	120,017	137,576
Greater than 15 ppm to 500 ppm sulfur	--	--	3,258	44	--	150	--	3,076	76	6,555
Greater than 500 ppm sulfur	--	--	6,115	1,089	--	-293	--	4,556	2,941	9,662
Residual Fuel Oil ⁶	--	--	13,108	7,484	--	149	--	9,039	11,404	39,972
Less than 0.31 percent sulfur	--	--	1,901	85	--	406	--	NA	NA	3,468
0.31 to 1.00 percent sulfur	--	--	1,645	2,024	--	-859	--	NA	NA	8,355
Greater than 1.00 percent sulfur	--	--	9,562	5,375	--	602	--	NA	NA	28,143
Petrochemical Feedstocks	--	--	10,429	2,048	--	405	--	--	12,072	3,528
Naphtha for Petro. Feed. Use	--	--	6,788	1,041	--	375	--	--	7,454	2,426
Other Oils for Petro. Feed. Use	--	--	3,641	1,007	--	30	--	--	4,618	1,102
Special Naphthas	--	--	1,090	378	--	-126	--	--	1,594	957
Lubricants	--	--	5,392	1,520	--	181	--	3,382	3,349	9,039
Waxes	--	--	151	161	--	15	--	124	173	699
Petroleum Coke	--	--	29,018	205	--	228	--	18,491	10,504	6,836
Marketable	--	--	21,685	205	--	228	--	18,491	3,171	6,836
Catalyst	--	--	7,333	--	--	--	--	--	7,333	--
Asphalt and Road Oil	--	--	10,467	1,225	--	6	--	358	11,328	33,228
Still Gas	--	--	21,736	--	--	--	--	--	21,736	--
Miscellaneous Products	--	--	3,009	1	--	-16	--	22	3,004	727
Total	399,580	36,394	652,131	329,468	16,007	5,276	617,255	190,391	620,658	2,038,702

-- = 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-May 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	1,368,918	--	--	1,236,148	33,685	21,932	2,474,860	141,959	0	1,201,346
Natural Gas Plant Liquids and Liquefied Refinery Gases	542,542	-3,239	97,384	31,620	--	-27,863	81,940	214,267	399,963	175,603
Pentanes Plus	64,243	-3,239	--	1,913	--	-5,487	24,673	28,169	15,562	19,545
Liquefied Petroleum Gases	478,299	--	97,384	29,707	--	-22,376	57,267	186,098	384,401	156,058
Ethane/Ethylene	203,919	--	844	--	--	2,613	--	24,239	177,911	56,618
Propane/Propylene	178,096	--	88,184	25,723	--	-33,936	--	142,919	183,020	50,160
Normal Butane/Butylene	47,761	--	8,250	2,484	--	7,774	26,241	18,136	6,344	39,982
Isobutane/Isobutylene	48,523	--	106	1,500	--	1,173	31,026	804	17,126	9,298
Other Liquids	--	178,085	--	190,271	24,654	25,566	289,843	74,687	2,914	343,672
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	178,106	--	7,897	19,773	1,886	178,989	24,901	0	30,288
Hydrogen	--	--	--	--	32,786	--	32,786	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	10,312	--	1,898	-1,997	67	318	9,828	0	1,544
Renewable Fuels (including Fuel Ethanol)	--	167,794	--	5,903	-11,084	1,808	145,732	15,073	0	28,716
Fuel Ethanol ⁵	--	154,349	--	999	-1,602	3,378	136,055	14,313	0	22,909
Renewable Fuels Except Fuel Ethanol	--	13,445	--	4,904	-9,482	-1,570	9,677	759	0	5,807
Other Hydrocarbons	--	--	--	96	68	11	153	--	0	28
Unfinished Oils	--	--	--	89,821	--	12,650	36,296	37,891	2,984	93,232
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-21	--	92,553	4,881	11,025	74,493	11,895	0	220,138
Reformulated	--	-1	--	33,357	30,588	1,046	62,862	36	0	53,195
Conventional	--	-20	--	59,196	-25,707	9,979	11,631	11,859	0	166,943
Aviation Gasoline Blend. Comp.	--	--	--	--	--	5	65	--	-70	14
Finished Petroleum Products	--	431	2,916,452	103,688	6,711	-11,590	--	480,730	2,558,142	318,081
Finished Motor Gasoline	--	431	1,471,901	6,009	-3,279	-6,627	--	101,773	1,379,916	21,983
Reformulated	--	--	483,659	--	-29,015	-1	--	--	454,645	46
Conventional	--	431	988,242	6,009	25,736	-6,626	--	101,773	925,271	21,937
Finished Aviation Gasoline	--	--	1,452	31	--	-32	--	--	1,515	962
Kerosene-Type Jet Fuel	--	--	252,100	21,688	--	1,678	--	27,983	244,127	44,454
Kerosene	--	--	915	168	--	-358	--	500	941	1,903
Distillate Fuel Oil ⁶	--	--	740,921	22,569	9,990	-11,663	--	193,050	592,093	153,793
15 ppm sulfur and under	--	--	690,414	15,291	9,990	-5,444	--	160,319	560,820	137,576
Greater than 15 ppm to 500 ppm sulfur	--	--	18,425	207	--	-2,267	--	19,869	1,030	6,555
Greater than 500 ppm sulfur	--	--	32,082	7,071	--	-3,952	--	12,862	30,243	9,662
Residual Fuel Oil ⁶	--	--	66,716	30,490	--	-1,571	--	44,743	54,034	39,972
Less than 0.31 percent sulfur	--	--	8,868	1,463	--	-3	--	NA	NA	3,468
0.31 to 1.00 percent sulfur	--	--	8,120	3,262	--	-717	--	NA	NA	8,355
Greater than 1.00 percent sulfur	--	--	49,728	25,765	--	-851	--	NA	NA	28,143
Petrochemical Feedstocks	--	--	48,823	7,126	--	288	--	--	55,661	3,528
Naphtha for Petro. Feed. Use	--	--	31,668	4,955	--	415	--	--	36,208	2,426
Other Oils for Petro. Feed. Use	--	--	17,155	2,171	--	-127	--	--	19,453	1,102
Special Naphthas	--	--	5,388	1,957	--	-261	--	--	7,606	957
Lubricants	--	--	25,047	6,231	--	-3,336	--	17,308	17,306	9,039
Waxes	--	--	755	685	--	28	--	612	800	699
Petroleum Coke	--	--	136,687	1,169	--	-147	--	92,272	45,731	6,836
Marketable	--	--	102,766	1,169	--	-147	--	92,272	11,810	6,836
Catalyst	--	--	33,921	--	--	--	--	--	33,921	--
Asphalt and Road Oil	--	--	48,838	5,560	--	10,362	--	2,263	41,773	33,228
Still Gas	--	--	102,585	--	--	--	--	--	102,585	--
Miscellaneous Products	--	--	14,324	5	--	49	--	225	14,055	727
Total	1,911,460	175,277	3,013,836	1,561,727	65,050	8,045	2,846,643	911,643	2,961,018	2,038,702

-- = 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.

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Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 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	9,169	--	--	8,397	305	-364	17,212	1,023	0
Natural Gas Plant Liquids and Liquefied									
Refinery Gases	3,721	-21	908	166	--	562	484	1,332	2,397
Pentanes Plus	449	-21	--	17	--	-31	191	176	109
Liquefied Petroleum Gases	3,272	--	908	148	--	593	292	1,156	2,288
Ethane/Ethylene	1,405	--	8	--	--	6	--	191	1,215
Propane/Propylene	1,211	--	622	120	--	235	--	855	863
Normal Butane/Butylene	283	--	285	16	--	349	65	101	68
Isobutane/Isobutylene	374	--	-6	12	--	3	227	8	141
Other Liquids	--	1,192	--	1,358	80	-21	2,216	480	-43
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,192	--	54	97	-55	1,239	160	0
Hydrogen	--	--	--	--	224	--	224	--	0
Oxygenates (excluding Fuel Ethanol)	--	65	--	7	-16	-5	--	61	0
Renewable Fuels (including Fuel Ethanol)	--	1,127	--	47	-111	-49	1,013	99	0
Fuel Ethanol	--	1,023	--	1	-12	-22	942	92	0
Renewable Fuels Except Fuel Ethanol	--	104	--	46	-99	-27	71	8	0
Other Hydrocarbons	--	--	--	0	1	-1	2	--	0
Unfinished Oils	--	--	--	577	--	90	277	252	-42
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	727	-17	-56	699	67	0
Reformulated	--	--	--	252	54	12	294	0	0
Conventional	--	0	--	475	-71	-68	405	67	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	3	20,128	707	131	-6	--	3,307	17,668
Finished Motor Gasoline	--	3	10,126	37	29	5	--	599	9,590
Reformulated	--	--	3,318	--	-29	0	--	--	3,289
Conventional	--	3	6,808	37	58	5	--	599	6,301
Finished Aviation Gasoline	--	--	10	0	--	-2	--	--	11
Kerosene-Type Jet Fuel	--	--	1,713	126	--	-3	--	171	1,671
Kerosene	--	--	5	--	--	-7	--	8	3
Distillate Fuel Oil ⁵	--	--	5,230	124	102	-27	--	1,515	3,969
15 ppm sulfur and under	--	--	4,928	88	102	-23	--	1,268	3,872
Greater than 15 ppm to 500 ppm sulfur	--	--	105	1	--	5	--	99	2
Greater than 500 ppm sulfur	--	--	197	35	--	-9	--	147	95
Residual Fuel Oil ⁶	--	--	423	241	--	5	--	292	368
Less than 0.31 percent sulfur	--	--	61	3	--	13	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	53	65	--	-28	--	NA	NA
Greater than 1.00 percent sulfur	--	--	308	173	--	19	--	NA	NA
Petrochemical Feedstocks	--	--	336	66	--	13	--	--	389
Naphtha for Petro. Feed. Use	--	--	219	34	--	12	--	--	240
Other Oils for Petro. Feed. Use	--	--	117	32	--	1	--	--	149
Special Naphthas	--	--	35	12	--	-4	--	--	51
Lubricants	--	--	174	49	--	6	--	109	108
Waxes	--	--	5	5	--	0	--	4	6
Petroleum Coke	--	--	936	7	--	7	--	596	339
Marketable	--	--	700	7	--	7	--	596	102
Catalyst	--	--	237	--	--	--	--	--	237
Asphalt and Road Oil	--	--	338	40	--	0	--	12	365
Still Gas	--	--	701	--	--	--	--	--	701
Miscellaneous Products	--	--	97	0	--	-1	--	1	97
Total	12,890	1,174	21,036	10,628	516	170	19,911	6,142	20,021

-- = 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-May 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	9,066	--	--	8,186	223	145	16,390	940	0	
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	3,593	-21	645	209	--	-185	543	1,419	2,649	
Pentanes Plus	425	-21	--	13	--	-36	163	187	103	
Liquefied Petroleum Gases	3,168	--	645	197	--	-148	379	1,232	2,546	
Ethane/Ethylene	1,350	--	6	--	--	17	--	161	1,178	
Propane/Propylene	1,179	--	584	170	--	-225	--	946	1,212	
Normal Butane/Butylene	316	--	55	16	--	51	174	120	42	
Isobutane/Isobutylene	321	--	1	10	--	8	205	5	113	
Other Liquids	--	1,179	--	1,260	163	169	1,919	495	19	
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	1,180	--	52	131	12	1,185	165	0	
Hydrogen	--	--	--	--	217	--	217	--	0	
Oxygenates (excluding Fuel Ethanol)	--	68	--	13	-13	0	2	65	0	
Renewable Fuels (including Fuel Ethanol)	--	1,111	--	39	-73	12	965	100	0	
Fuel Ethanol	--	1,022	--	7	-11	22	901	95	0	
Renewable Fuels Except Fuel Ethanol	--	89	--	32	-63	-10	64	5	0	
Other Hydrocarbons	--	--	--	1	0	0	1	--	0	
Unfinished Oils	--	--	--	595	--	84	240	251	20	
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	613	32	73	493	79	0	
Reformulated	--	0	--	221	203	7	416	0	0	
Conventional	--	0	--	392	-170	66	77	79	0	
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0	
Finished Petroleum Products	--	3	19,314	687	44	-77	--	3,184	16,941	
Finished Motor Gasoline	--	3	9,748	40	-22	-44	--	674	9,139	
Reformulated	--	--	3,203	--	-192	0	--	--	3,011	
Conventional	--	3	6,545	40	170	-44	--	674	6,128	
Finished Aviation Gasoline	--	--	10	0	--	0	--	--	10	
Kerosene-Type Jet Fuel	--	--	1,670	144	--	11	--	185	1,617	
Kerosene	--	--	6	1	--	-2	--	3	6	
Distillate Fuel Oil ⁵	--	--	4,907	149	66	-77	--	1,278	3,921	
15 ppm sulfur and under	--	--	4,572	101	66	-36	--	1,062	3,714	
Greater than 15 ppm to 500 ppm sulfur	--	--	122	1	--	-15	--	132	7	
Greater than 500 ppm sulfur	--	--	212	47	--	-26	--	85	200	
Residual Fuel Oil ⁶	--	--	442	202	--	-10	--	296	358	
Less than 0.31 percent sulfur	--	--	59	10	--	0	--	NA	NA	
0.31 to 1.00 percent sulfur	--	--	54	22	--	-5	--	NA	NA	
Greater than 1.00 percent sulfur	--	--	329	171	--	-6	--	NA	NA	
Petrochemical Feedstocks	--	--	323	47	--	2	--	--	369	
Naphtha for Petro. Feed. Use	--	--	210	33	--	3	--	--	240	
Other Oils for Petro. Feed. Use	--	--	114	14	--	-1	--	--	129	
Special Naphthas	--	--	36	13	--	-2	--	--	50	
Lubricants	--	--	166	41	--	-22	--	115	115	
Waxes	--	--	5	5	--	0	--	4	5	
Petroleum Coke	--	--	905	8	--	-1	--	611	303	
Marketable	--	--	681	8	--	-1	--	611	78	
Catalyst	--	--	225	--	--	--	--	--	225	
Asphalt and Road Oil	--	--	323	37	--	69	--	15	277	
Still Gas	--	--	679	--	--	--	--	--	679	
Miscellaneous Products	--	--	95	0	--	0	--	1	93	
Total	12,659	1,161	19,959	10,343	431	53	18,852	6,037	19,609	

-- = 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, May 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	1,413	--	--	29,347	1,984	2,090	-543	34,451	925	0	16,805
Natural Gas Plant Liquids and Liquefied Refinery Gases	13,187	-16	1,895	1,373	-2,194	--	1,628	392	2,651	9,574	6,340
Pentanes Plus	1,264	-16	--	--	-10	--	-8	--	63	1,183	140
Liquefied Petroleum Gases	11,923	--	1,895	1,373	-2,184	--	1,636	392	2,587	8,392	6,200
Ethane/Ethylene	5,549	--	9	--	-4,327	--	30	--	1,050	151	394
Propane/Propylene	4,392	--	1,230	1,249	2,143	--	1,024	--	1,468	6,522	3,729
Normal Butane/Butylene	1,322	--	652	75	-80	--	594	13	67	1,295	1,902
Isobutane/Isobutylene	660	--	4	49	80	--	-12	379	1	425	175
Other Liquids	--	958	--	20,355	61,675	6,615	1,515	88,553	2,640	-3,105	81,680
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	961	--	510	9,238	74	-316	11,036	63	0	9,879
Hydrogen	--	--	--	--	--	111	--	111	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	961	--	510	9,238	-38	-316	10,925	62	0	9,879
Fuel Ethanol	--	775	--	31	9,203	667	-4	10,623	57	0	8,206
Renewable Fuels Except Fuel Ethanol	--	186	--	479	35	-705	-312	302	5	0	1,673
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,222	-35	--	-430	2,322	2,400	-3,105	5,348
Motor Gasoline Blend. Comp. (MGBC)	--	-3	--	18,623	52,472	6,541	2,261	75,195	177	0	66,453
Reformulated	--	--	--	7,807	9,439	1,166	247	18,164	1	0	21,944
Conventional	--	-3	--	10,816	43,033	5,375	2,014	57,031	176	0	44,509
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	122,998	8,572	43,176	-6,503	-1,471	--	6,005	163,709	91,028
Finished Motor Gasoline	--	--	103,407	709	4,686	-7,208	-102	--	283	101,413	3,977
Reformulated	--	--	40,724	--	--	-839	4	--	--	39,881	33
Conventional	--	--	62,683	709	4,686	-6,369	-106	--	283	61,532	3,944
Finished Aviation Gasoline	--	--	--	1	1,131	--	40	--	--	1,092	186
Kerosene-Type Jet Fuel	--	--	2,949	1,010	14,082	--	-1,236	--	242	19,035	11,031
Kerosene	--	--	135	--	--	--	-190	--	101	224	1,599
Distillate Fuel Oil ⁶	--	--	10,765	2,262	22,501	705	-462	--	3,306	33,389	55,152
15 ppm sulfur and under	--	--	10,076	1,670	21,135	705	-390	--	3,060	30,916	46,824
Greater than 15 ppm to 500 ppm sulfur	--	--	78	44	477	--	214	--	246	139	4,007
Greater than 500 ppm sulfur	--	--	611	548	889	--	-286	--	0	2,334	4,321
Residual Fuel Oil ⁷	--	--	1,573	3,405	-17	--	275	--	1,346	3,340	9,082
Less than 0.31 percent sulfur	--	--	338	85	--	--	433	--	NA	NA	1,605
0.31 to 1.00 percent sulfur	--	--	582	1,174	-17	--	-742	--	NA	NA	1,114
Greater than 1.00 percent sulfur	--	--	653	2,146	--	--	584	--	NA	NA	6,363
Petrochemical Feedstocks	--	--	109	--	-9	--	-3	--	--	103	162
Naphtha for Petro. Feed. Use	--	--	109	--	--	--	-3	--	--	112	162
Other Oils for Petro. Feed. Use	--	--	--	--	-9	--	--	--	--	-9	--
Special Naphthas	--	--	22	--	--	--	0	--	--	22	19
Lubricants	--	--	417	184	505	--	21	--	244	841	964
Waxes	--	--	6	90	--	--	21	--	74	1	401
Petroleum Coke	--	--	1,107	2	--	--	--	--	329	780	--
Marketable	--	--	387	2	--	--	--	--	329	60	--
Catalyst	--	--	720	--	--	--	--	--	--	720	--
Asphalt and Road Oil	--	--	1,096	909	297	--	165	--	70	2,067	8,421
Still Gas	--	--	1,297	--	--	--	--	--	--	1,297	--
Miscellaneous Products	--	--	115	--	--	--	0	--	10	105	34
Total	14,600	942	124,893	59,647	104,641	2,202	1,129	123,396	12,222	170,178	195,853

-- = 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-May 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	6,773	--	--	126,970	18,445	8,442	4,560	152,067	4,003	0	16,805
Natural Gas Plant Liquids and Liquefied Refinery Gases	60,271	-75	4,646	8,679	-1,694	--	-1,427	4,816	20,475	47,963	6,340
Pentanes Plus	5,739	-75	--	--	-50	--	-43	601	8,141	-3,085	140
Liquefied Petroleum Gases	54,532	--	4,646	8,679	-1,644	--	-1,384	4,215	12,335	51,048	6,200
Ethane/Ethylene	25,417	--	73	--	-19,584	--	-46	--	5,648	304	394
Propane/Propylene	20,074	--	5,139	8,232	15,810	--	-2,285	--	6,395	45,145	3,729
Normal Butane/Butylene	6,032	--	-605	122	1,428	--	930	2,285	288	3,474	1,902
Isobutane/Isobutylene	3,009	--	39	325	702	--	17	1,930	3	2,125	175
Other Liquids	--	4,626	--	93,030	280,574	37,424	8,570	406,860	10,499	-10,276	81,680
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	4,641	--	2,103	46,162	207	768	52,049	296	0	9,879
Hydrogen	--	--	--	--	--	521	--	521	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	6	--	--	6	0	--
Renewable Fuels (including Fuel Ethanol)	--	4,641	--	2,101	46,162	-317	768	51,528	290	0	9,879
Fuel Ethanol	--	3,983	--	31	45,675	2,154	1,920	49,661	261	0	8,206
Renewable Fuels Except Fuel Ethanol	--	658	--	2,070	487	-2,471	-1,152	1,867	29	0	1,673
Other Hydrocarbons	--	--	--	2	--	-2	--	--	--	0	--
Unfinished Oils	--	--	--	11,769	-195	--	876	10,982	9,992	-10,276	5,348
Motor Gasoline Blend. Comp. (MGBC)	--	-15	--	79,158	234,607	37,216	6,926	343,829	211	0	66,453
Reformulated	--	--	--	33,357	38,598	16,837	2,321	86,468	3	0	21,944
Conventional	--	-15	--	45,801	196,009	20,379	4,605	257,361	208	0	44,509
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	566,641	49,898	231,445	-36,899	-11,731	--	22,766	800,050	91,028
Finished Motor Gasoline	--	--	477,723	5,179	38,799	-39,370	-1,515	--	2,145	481,702	3,977
Reformulated	--	--	190,516	--	--	-14,387	2	--	--	176,127	33
Conventional	--	--	287,207	5,179	38,799	-24,983	-1,517	--	2,145	305,574	3,944
Finished Aviation Gasoline	--	--	--	25	4,654	--	22	--	--	4,657	186
Kerosene-Type Jet Fuel	--	--	12,327	7,641	67,829	--	-47	--	696	87,148	11,031
Kerosene	--	--	429	168	--	--	-172	--	110	659	1,599
Distillate Fuel Oil ⁶	--	--	48,147	19,341	116,030	2,471	-11,799	--	9,426	188,362	55,152
15 ppm sulfur and under	--	--	38,672	13,372	106,245	2,471	-6,633	--	6,730	160,663	46,824
Greater than 15 ppm to 500 ppm sulfur	--	--	1,284	207	1,324	--	-2,381	--	2,594	2,602	4,007
Greater than 500 ppm sulfur	--	--	8,191	5,762	8,461	--	-2,785	--	102	25,097	4,321
Residual Fuel Oil ⁷	--	--	6,662	12,244	9	--	-1,914	--	6,159	14,670	9,082
Less than 0.31 percent sulfur	--	--	1,971	432	-103	--	605	--	NA	NA	1,605
0.31 to 1.00 percent sulfur	--	--	1,732	1,754	-17	--	-1,529	--	NA	NA	1,114
Greater than 1.00 percent sulfur	--	--	2,959	10,058	129	--	-990	--	NA	NA	6,363
Petrochemical Feedstocks	--	--	547	3	-122	--	3	--	--	425	162
Naphtha for Petro. Feed. Use	--	--	547	3	--	--	3	--	--	547	162
Other Oils for Petro. Feed. Use	--	--	--	--	-122	--	--	--	--	-122	--
Special Naphthas	--	--	94	--	--	--	-3	--	--	97	19
Lubricants	--	--	1,854	983	2,632	--	-244	--	1,050	4,663	964
Waxes	--	--	12	347	--	--	24	--	359	-24	401
Petroleum Coke	--	--	5,357	205	--	--	--	--	2,318	3,244	--
Marketable	--	--	2,029	205	--	--	--	--	2,318	-84	--
Catalyst	--	--	3,328	--	--	--	--	--	--	3,328	--
Asphalt and Road Oil	--	--	6,421	3,762	1,614	--	3,917	--	435	7,445	8,421
Still Gas	--	--	6,580	--	--	--	--	--	--	6,580	--
Miscellaneous Products	--	--	488	--	--	--	-3	--	68	423	34
Total	67,044	4,551	571,287	278,577	528,770	8,967	-28	563,743	57,743	837,737	195,853

-- = 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 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 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	46	--	--	947	64	67	-18	1,111	30	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	425	-1	61	44	-71	--	53	13	86	309
Pentanes Plus	41	-1	--	--	0	--	0	--	2	38
Liquefied Petroleum Gases	385	--	61	44	-70	--	53	13	83	271
Ethane/Ethylene	179	--	0	--	-140	--	1	--	34	5
Propane/Propylene	142	--	40	40	69	--	33	--	47	210
Normal Butane/Butylene	43	--	21	2	-3	--	19	0	2	42
Isobutane/Isobutylene	21	--	0	2	3	--	0	12	0	14
Other Liquids	--	31	--	657	1,990	213	49	2,857	85	-100
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	31	--	16	298	2	-10	356	2	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	31	--	16	298	-1	-10	352	2	0
Fuel Ethanol	--	25	--	1	297	22	0	343	2	0
Renewable Fuels Except Fuel Ethanol	--	6	--	15	1	-23	-10	10	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	39	-1	--	-14	75	77	-100
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	601	1,693	211	73	2,426	6	0
Reformulated	--	--	--	252	304	38	8	586	0	0
Conventional	--	0	--	349	1,388	173	65	1,840	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,968	277	1,393	-210	-47	--	194	5,281
Finished Motor Gasoline	--	--	3,336	23	151	-233	-3	--	9	3,271
Reformulated	--	--	1,314	--	--	-27	0	--	--	1,286
Conventional	--	--	2,022	23	151	-205	-3	--	9	1,985
Finished Aviation Gasoline	--	--	--	0	36	--	1	--	--	35
Kerosene-Type Jet Fuel	--	--	95	33	454	--	-40	--	8	614
Kerosene	--	--	4	--	--	--	-6	--	3	7
Distillate Fuel Oil ⁶	--	--	347	73	726	23	-15	--	107	1,077
15 ppm sulfur and under	--	--	325	54	682	23	-13	--	99	997
Greater than 15 ppm to 500 ppm sulfur	--	--	3	1	15	--	7	--	8	4
Greater than 500 ppm sulfur	--	--	20	18	29	--	-9	--	0	75
Residual Fuel Oil ⁷	--	--	51	110	-1	--	9	--	43	108
Less than 0.31 percent sulfur	--	--	11	3	--	--	14	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	19	38	-1	--	-24	--	NA	NA
Greater than 1.00 percent sulfur	--	--	21	69	--	--	19	--	NA	NA
Petrochemical Feedstocks	--	--	4	--	0	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	4	--	--	--	0	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	--	0	--	--	--	--	0
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	13	6	16	--	1	--	8	27
Waxes	--	--	0	3	--	--	1	--	2	0
Petroleum Coke	--	--	36	0	--	--	--	--	11	25
Marketable	--	--	12	0	--	--	--	--	11	2
Catalyst	--	--	23	--	--	--	--	--	--	23
Asphalt and Road Oil	--	--	35	29	10	--	5	--	2	67
Still Gas	--	--	42	--	--	--	--	--	--	42
Miscellaneous Products	--	--	4	--	--	--	0	--	0	3
Total	471	30	4,029	1,924	3,376	71	36	3,981	394	5,490

-- = 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-May 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	45	--	--	841	122	56	30	1,007	27	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	399	0	31	57	-11	--	-9	32	136	318
Pentanes Plus	38	0	--	--	0	--	0	4	54	-20
Liquefied Petroleum Gases	361	--	31	57	-11	--	-9	28	82	338
Ethane/Ethylene	168	--	0	--	-130	--	0	--	37	2
Propane/Propylene	133	--	34	55	105	--	-15	--	42	299
Normal Butane/Butylene	40	--	-4	1	9	--	6	15	2	23
Isobutane/Isobutylene	20	--	0	2	5	--	0	13	0	14
Other Liquids	--	31	--	616	1,858	248	57	2,694	70	-68
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	31	--	14	306	1	5	345	2	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	31	--	14	306	-2	5	341	2	0
Fuel Ethanol	--	26	--	0	302	14	13	329	2	0
Renewable Fuels Except Fuel Ethanol	--	4	--	14	3	-16	-8	12	0	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	78	-1	--	6	73	66	-68
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	524	1,554	246	46	2,277	1	0
Reformulated	--	--	--	221	256	112	15	573	0	0
Conventional	--	0	--	303	1,298	135	30	1,704	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,753	330	1,533	-244	-78	--	151	5,298
Finished Motor Gasoline	--	--	3,164	34	257	-261	-10	--	14	3,190
Reformulated	--	--	1,262	--	--	-95	0	--	--	1,166
Conventional	--	--	1,902	34	257	-165	-10	--	14	2,024
Finished Aviation Gasoline	--	--	--	0	31	--	0	--	--	31
Kerosene-Type Jet Fuel	--	--	82	51	449	--	0	--	5	577
Kerosene	--	--	3	1	--	--	-1	--	1	4
Distillate Fuel Oil ⁶	--	--	319	128	768	16	-78	--	62	1,247
15 ppm sulfur and under	--	--	256	89	704	16	-44	--	45	1,064
Greater than 15 ppm to 500 ppm sulfur	--	--	9	1	9	--	-16	--	17	17
Greater than 500 ppm sulfur	--	--	54	38	56	--	-18	--	1	166
Residual Fuel Oil ⁷	--	--	44	81	0	--	-13	--	41	97
Less than 0.31 percent sulfur	--	--	13	3	-1	--	4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	11	12	0	--	-10	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	67	1	--	-7	--	NA	NA
Petrochemical Feedstocks	--	--	4	0	-1	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	4	0	--	--	0	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	12	7	17	--	-2	--	7	31
Waxes	--	--	0	2	--	--	0	--	2	0
Petroleum Coke	--	--	35	1	--	--	--	--	15	21
Marketable	--	--	13	1	--	--	--	--	15	-1
Catalyst	--	--	22	--	--	--	--	--	--	22
Asphalt and Road Oil	--	--	43	25	11	--	26	--	3	49
Still Gas	--	--	44	--	--	--	--	--	--	44
Miscellaneous Products	--	--	3	--	--	--	0	--	0	3
Total	444	30	3,783	1,845	3,502	59	0	3,733	382	5,548

-- = 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, May 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	51,693	--	--	82,131	132	-11,174	-1,018	118,383	5,416	0	157,789
Natural Gas Plant Liquids and Liquefied Refinery Gases	25,415	-599	6,160	2,097	-9,860	--	4,599	2,463	7,623	8,528	42,137
Pentanes Plus	2,901	-599	--	4	5,023	--	-960	771	5,111	2,407	8,879
Liquefied Petroleum Gases	22,514	--	6,160	2,093	-14,883	--	5,559	1,692	2,512	6,121	33,258
Ethane/Ethylene	8,298	--	--	--	-3,546	--	38	--	1,802	2,912	5,957
Propane/Propylene	9,482	--	3,877	1,634	-9,697	--	2,858	--	354	2,084	15,243
Normal Butane/Butylene	2,987	--	2,406	215	-1,615	--	2,666	157	356	814	9,993
Isobutane/Isobutylene	1,747	--	-123	244	-25	--	-3	1,535	0	311	2,065
Other Liquids	--	31,276	--	261	-10,311	-463	-1,798	22,115	1,301	-855	72,022
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	31,277	--	77	-21,000	-345	-603	9,711	901	0	9,066
Hydrogen	--	--	--	--	--	1,185	--	1,185	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	0	--	1	0	6
Renewable Fuels (including Fuel Ethanol)	--	31,277	--	77	-21,000	-1,564	-585	8,475	901	0	9,032
Fuel Ethanol	--	29,038	--	--	-20,543	-360	-521	7,931	725	0	8,046
Renewable Fuels Except Fuel Ethanol	--	2,239	--	77	-457	-1,204	-64	544	176	0	986
Other Hydrocarbons	--	--	--	--	--	33	-18	51	--	0	28
Unfinished Oils	--	--	--	--	-290	--	419	-16	162	-855	13,961
Motor Gasoline Blend. Comp. (MGBC)	--	-1	--	184	10,979	-118	-1,614	12,420	238	0	48,995
Reformulated	--	--	--	--	3,162	-1,290	668	1,204	0	0	6,717
Conventional	--	-1	--	184	7,817	1,172	-2,282	11,216	238	0	42,278
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	103	143,806	739	4,704	1,681	-1,123	--	1,461	150,695	66,535
Finished Motor Gasoline	--	103	83,360	--	1,214	477	99	--	135	84,920	6,295
Reformulated	--	--	11,501	--	--	1,531	--	--	--	13,032	--
Conventional	--	103	71,859	--	1,214	-1,054	99	--	135	71,889	6,295
Finished Aviation Gasoline	--	--	60	1	77	--	-6	--	--	144	206
Kerosene-Type Jet Fuel	--	--	7,745	--	1,056	--	-162	--	222	8,741	7,486
Kerosene	--	--	23	--	--	--	5	--	3	15	149
Distillate Fuel Oil	--	--	34,236	16	2,822	1,204	-846	--	256	38,868	34,248
15 ppm sulfur and under	--	--	34,278	15	2,659	1,204	-1,004	--	0	39,160	33,383
Greater than 15 ppm to 500 ppm sulfur	--	--	-3	--	100	--	117	--	160	-180	495
Greater than 500 ppm sulfur	--	--	-39	1	63	--	41	--	96	-112	370
Residual Fuel Oil ⁶	--	--	1,614	58	-837	--	-147	--	339	643	1,307
Less than 0.31 percent sulfur	--	--	182	--	--	--	30	--	NA	NA	124
0.31 to 1.00 percent sulfur	--	--	220	58	--	--	-60	--	NA	NA	216
Greater than 1.00 percent sulfur	--	--	1,212	--	-773	--	-117	--	NA	NA	967
Petrochemical Feedstocks	--	--	1,052	126	-85	--	71	--	--	1,022	763
Naphtha for Petro. Feed. Use	--	--	765	61	-94	--	66	--	--	666	608
Other Oils for Petro. Feed. Use	--	--	287	65	9	--	5	--	--	356	155
Special Naphthas	--	--	63	52	10	--	26	--	--	99	128
Lubricants	--	--	263	229	163	--	-15	--	171	499	539
Waxes	--	--	45	11	--	--	8	--	20	28	47
Petroleum Coke	--	--	6,059	32	--	--	-68	--	255	5,904	833
Marketable	--	--	4,534	32	--	--	-68	--	255	4,379	833
Catalyst	--	--	1,525	--	--	--	--	--	--	1,525	--
Asphalt and Road Oil	--	--	4,534	214	268	--	-63	--	60	5,019	14,440
Still Gas	--	--	4,256	--	--	--	--	--	--	4,256	--
Miscellaneous Products	--	--	496	--	16	--	-25	--	1	536	94
Total	77,108	30,780	149,966	85,228	-15,335	-9,956	660	142,961	15,802	158,368	338,483

-- = Not Applicable.

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NA = Not Available.

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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 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-May 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	249,304	--	--	397,240	-21,123	-25,073	6,510	564,028	29,809	0	157,789
Natural Gas Plant Liquids and Liquefied Refinery Gases	119,213	-2,967	17,735	13,586	-47,157	--	-5,790	14,883	28,438	62,879	42,137
Pentanes Plus	13,222	-2,967	--	24	24,528	--	-413	3,014	18,026	14,180	8,879
Liquefied Petroleum Gases	105,991	--	17,735	13,562	-71,685	--	-5,377	11,869	10,412	48,699	33,258
Ethane/Ethylene	38,730	--	--	--	-17,270	--	276	--	8,059	13,125	5,957
Propane/Propylene	44,985	--	18,046	11,555	-48,182	--	-6,891	--	1,058	32,237	15,243
Normal Butane/Butylene	14,698	--	370	1,016	-6,675	--	1,075	4,712	1,294	2,328	9,993
Isobutane/Isobutylene	7,578	--	-681	991	442	--	163	7,157	1	1,009	2,065
Other Liquids	--	151,238	--	1,346	-61,251	-7,081	5,485	76,624	5,601	-3,459	72,022
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	151,244	--	216	-99,960	-2,355	1,266	44,621	3,258	0	9,066
Hydrogen	--	--	--	--	--	5,879	--	5,879	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	8	--	--	--	2	6	--	4	0	6
Renewable Fuels (including Fuel Ethanol)	--	151,236	--	185	-99,960	-8,369	1,249	38,589	3,254	0	9,032
Fuel Ethanol	--	142,020	--	--	-97,658	-4,147	952	36,474	2,789	0	8,046
Renewable Fuels Except Fuel Ethanol	--	9,216	--	185	-2,302	-4,221	297	2,115	465	0	986
Other Hydrocarbons	--	--	--	31	--	133	11	153	--	0	28
Unfinished Oils	--	--	--	--	-1,018	--	824	-336	1,953	-3,459	13,961
Motor Gasoline Blend. Comp. (MGBC)	--	-6	--	1,130	39,727	-4,726	3,395	32,339	391	0	48,995
Reformulated	--	-1	--	--	7,705	-3,919	170	3,615	0	0	6,717
Conventional	--	-5	--	1,130	32,022	-808	3,225	28,724	390	0	42,278
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	431	672,489	3,693	15,801	13,136	5,102	--	7,235	693,213	66,535
Finished Motor Gasoline	--	431	381,473	--	1,645	8,874	-952	--	686	392,689	6,295
Reformulated	--	--	54,286	--	--	4,635	--	--	--	58,921	--
Conventional	--	431	327,187	--	1,645	4,239	-952	--	686	333,768	6,295
Finished Aviation Gasoline	--	--	245	4	316	--	-5	--	--	570	206
Kerosene-Type Jet Fuel	--	--	37,556	5	3,634	--	657	--	1,344	39,194	7,486
Kerosene	--	--	236	--	--	--	-47	--	9	274	149
Distillate Fuel Oil	--	--	164,471	140	13,030	4,262	1,686	--	1,385	178,833	34,248
15 ppm sulfur and under	--	--	164,996	128	12,380	4,262	2,095	--	7	179,664	33,383
Greater than 15 ppm to 500 ppm sulfur	--	--	429	--	404	--	45	--	884	-96	495
Greater than 500 ppm sulfur	--	--	-954	12	246	--	-454	--	493	-735	370
Residual Fuel Oil ⁶	--	--	7,839	343	-3,936	--	-182	--	1,384	3,044	1,307
Less than 0.31 percent sulfur	--	--	603	--	--	--	92	--	NA	NA	124
0.31 to 1.00 percent sulfur	--	--	1,278	133	-95	--	-71	--	NA	NA	216
Greater than 1.00 percent sulfur	--	--	5,958	210	-3,659	--	-203	--	NA	NA	967
Petrochemical Feedstocks	--	--	4,996	686	-527	--	230	--	--	4,925	763
Naphtha for Petro. Feed. Use	--	--	3,634	365	-444	--	217	--	--	3,338	608
Other Oils for Petro. Feed. Use	--	--	1,362	321	-83	--	13	--	--	1,587	155
Special Naphthas	--	--	254	216	98	--	-33	--	--	601	128
Lubricants	--	--	1,202	1,046	1,168	--	-201	--	873	2,744	539
Waxes	--	--	168	27	--	--	3	--	121	71	47
Petroleum Coke	--	--	28,859	138	--	--	-245	--	1,077	28,165	833
Marketable	--	--	21,725	138	--	--	-245	--	1,077	21,031	833
Catalyst	--	--	7,134	--	--	--	--	--	--	7,134	--
Asphalt and Road Oil	--	--	21,957	1,088	281	--	4,220	--	354	18,752	14,440
Still Gas	--	--	20,804	--	--	--	--	--	--	20,804	--
Miscellaneous Products	--	--	2,429	--	92	--	-29	--	1	2,549	94
Total	368,517	148,702	690,224	415,865	-113,731	-19,018	11,307	655,535	71,083	752,634	338,483

-- = 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, May 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	1,668	--	--	2,649	4	-360	-33	3,819	175	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	820	-19	199	68	-318	--	148	79	246	275
Pentanes Plus	94	-19	--	0	162	--	-31	25	165	78
Liquefied Petroleum Gases	726	--	199	68	-480	--	179	55	81	197
Ethane/Ethylene	268	--	--	--	-114	--	1	--	58	94
Propane/Propylene	306	--	125	53	-313	--	92	--	11	67
Normal Butane/Butylene	96	--	78	7	-52	--	86	5	11	26
Isobutane/Isobutylene	56	--	-4	8	-1	--	0	50	0	10
Other Liquids	--	1,009	--	8	-333	-15	-58	713	42	-28
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,009	--	2	-677	-11	-19	313	29	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,009	--	2	-677	-50	-19	273	29	0
Fuel Ethanol	--	937	--	--	-663	-12	-17	256	23	0
Renewable Fuels Except Fuel Ethanol	--	72	--	2	-15	-39	-2	18	6	0
Other Hydrocarbons	--	--	--	--	--	1	-1	2	--	0
Unfinished Oils	--	--	--	--	-9	--	14	-1	5	-28
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	6	354	-4	-52	401	8	0
Reformulated	--	--	--	--	102	-42	22	39	0	0
Conventional	--	0	--	6	252	38	-74	362	8	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	3	4,639	24	152	54	-36	--	47	4,861
Finished Motor Gasoline	--	3	2,689	--	39	15	3	--	4	2,739
Reformulated	--	--	371	--	--	49	--	--	--	420
Conventional	--	3	2,318	--	39	-34	3	--	4	2,319
Finished Aviation Gasoline	--	--	2	0	2	--	0	--	--	5
Kerosene-Type Jet Fuel	--	--	250	--	34	--	-5	--	7	282
Kerosene	--	--	1	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	1,104	1	91	39	-27	--	8	1,254
15 ppm sulfur and under	--	--	1,106	0	86	39	-32	--	0	1,263
Greater than 15 ppm to 500 ppm sulfur	--	--	0	--	3	--	4	--	5	-6
Greater than 500 ppm sulfur	--	--	-1	0	2	--	1	--	3	-4
Residual Fuel Oil ⁶	--	--	52	2	-27	--	-5	--	11	21
Less than 0.31 percent sulfur	--	--	6	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	7	2	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	39	--	-25	--	-4	--	NA	NA
Petrochemical Feedstocks	--	--	34	4	-3	--	2	--	--	33
Naphtha for Petro. Feed. Use	--	--	25	2	-3	--	2	--	--	21
Other Oils for Petro. Feed. Use	--	--	9	2	0	--	0	--	--	11
Special Naphthas	--	--	2	2	0	--	1	--	--	3
Lubricants	--	--	8	7	5	--	0	--	6	16
Waxes	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	195	1	--	--	-2	--	8	190
Marketable	--	--	146	1	--	--	-2	--	8	141
Catalyst	--	--	49	--	--	--	--	--	--	49
Asphalt and Road Oil	--	--	146	7	9	--	-2	--	2	162
Still Gas	--	--	137	--	--	--	--	--	--	137
Miscellaneous Products	--	--	16	--	1	--	-1	--	0	17
Total	2,487	993	4,838	2,749	-495	-321	21	4,612	510	5,109

-- = 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-May 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	--	--	2,631	-140	-166	43	3,735	197	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	789	-20	117	90	-312	--	-38	99	188	416
Pentanes Plus	88	-20	--	0	162	--	-3	20	119	94
Liquefied Petroleum Gases	702	--	117	90	-475	--	-36	79	69	323
Ethane/Ethylene	256	--	--	--	-114	--	2	--	53	87
Propane/Propylene	298	--	120	77	-319	--	-46	--	7	213
Normal Butane/Butylene	97	--	2	7	-44	--	7	31	9	15
Isobutane/Isobutylene	50	--	-5	7	3	--	1	47	0	7
Other Liquids	--	1,002	--	9	-406	-47	36	507	37	-23
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,002	--	1	-662	-16	8	296	22	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	0	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,002	--	1	-662	-55	8	256	22	0
Fuel Ethanol	--	941	--	--	-647	-27	6	242	18	0
Renewable Fuels Except Fuel Ethanol	--	61	--	1	-15	-28	2	14	3	0
Other Hydrocarbons	--	--	--	0	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	-7	--	5	-2	13	-23
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	7	263	-31	22	214	3	0
Reformulated	--	0	--	--	51	-26	1	24	0	0
Conventional	--	0	--	7	212	-5	21	190	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	3	4,454	24	105	87	34	--	48	4,591
Finished Motor Gasoline	--	3	2,526	--	11	59	-6	--	5	2,601
Reformulated	--	--	360	--	--	31	--	--	--	390
Conventional	--	3	2,167	--	11	28	-6	--	5	2,210
Finished Aviation Gasoline	--	--	2	0	2	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	249	0	24	--	4	--	9	260
Kerosene	--	--	2	--	--	--	0	--	0	2
Distillate Fuel Oil	--	--	1,089	1	86	28	11	--	9	1,184
15 ppm sulfur and under	--	--	1,093	1	82	28	14	--	0	1,190
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	3	--	0	--	6	-1
Greater than 500 ppm sulfur	--	--	-6	0	2	--	-3	--	3	-5
Residual Fuel Oil ⁶	--	--	52	2	-26	--	-1	--	9	20
Less than 0.31 percent sulfur	--	--	4	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	8	1	-1	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	39	1	-24	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	33	5	-3	--	2	--	--	33
Naphtha for Petro. Feed. Use	--	--	24	2	-3	--	1	--	--	22
Other Oils for Petro. Feed. Use	--	--	9	2	-1	--	0	--	--	11
Special Naphthas	--	--	2	1	1	--	0	--	--	4
Lubricants	--	--	8	7	8	--	-1	--	6	18
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	191	1	--	--	-2	--	7	187
Marketable	--	--	144	1	--	--	-2	--	7	139
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	145	7	2	--	28	--	2	124
Still Gas	--	--	138	--	--	--	--	--	--	138
Miscellaneous Products	--	--	16	--	1	--	0	--	0	17
Total	2,441	985	4,571	2,754	-753	-126	75	4,341	471	4,984

-- = 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, May 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	179,123	--	--	99,580	6,224	13,597	-12,611	287,893	23,242	0	946,701
Natural Gas Plant Liquids and Liquefied Refinery Gases	62,455	-17	16,857	657	22,274	--	10,038	9,017	29,151	54,020	120,307
Pentanes Plus	6,905	-17	--	533	-3,611	--	-41	4,052	63	-264	10,127
Liquefied Petroleum Gases	55,550	--	16,857	124	25,885	--	10,079	4,965	29,087	54,285	110,180
Ethane/Ethylene	25,969	--	229	--	11,417	--	136	--	3,082	34,397	49,818
Propane/Propylene	19,120	--	12,466	--	10,996	--	2,988	--	23,565	16,029	29,185
Normal Butane/Butylene	2,616	--	4,355	124	2,816	--	6,881	1,056	2,196	-222	24,870
Isobutane/Isobutylene	7,845	--	-193	--	656	--	74	3,909	244	4,081	6,307
Other Liquids	--	3,431	--	15,837	-62,253	-1,938	-722	-56,337	10,075	2,062	127,227
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	3,431	--	567	6,050	2,388	-768	9,479	3,726	0	7,231
Hydrogen	--	--	--	--	--	4,327	--	4,327	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,015	--	221	--	-510	-153	--	1,879	0	1,538
Renewable Fuels (including Fuel Ethanol)	--	1,416	--	341	6,050	-1,424	-615	5,152	1,847	0	5,693
Fuel Ethanol	--	824	--	--	6,121	-819	-374	4,672	1,828	0	3,772
Renewable Fuels Except Fuel Ethanol	--	592	--	341	-71	-605	-241	480	19	0	1,921
Other Hydrocarbons	--	--	--	5	--	-5	--	--	--	0	--
Unfinished Oils	--	--	--	12,941	325	--	-437	6,708	4,894	2,101	46,800
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	2,329	-68,628	-4,326	482	-72,562	1,455	0	73,182
Reformulated	--	--	--	--	-15,348	2,554	1,374	-14,177	9	0	12,445
Conventional	--	--	--	2,329	-53,280	-6,879	-892	-58,385	1,447	0	60,737
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	1	38	--	-39	14
Finished Petroleum Products	--	--	243,763	6,384	-50,070	5,978	3,155	--	84,833	118,067	116,426
Finished Motor Gasoline	--	--	66,794	--	-5,712	5,145	177	--	17,215	48,835	8,069
Reformulated	--	--	14,738	--	--	-2,570	--	--	--	12,168	--
Conventional	--	--	52,056	--	-5,712	7,715	177	--	17,215	36,666	8,069
Finished Aviation Gasoline	--	--	237	--	-1,238	--	-111	--	--	-890	354
Kerosene-Type Jet Fuel	--	--	27,990	--	-16,059	--	1,149	--	4,122	6,660	15,071
Kerosene	--	--	-22	--	--	--	-18	--	153	-157	141
Distillate Fuel Oil	--	--	94,708	539	-26,750	833	368	--	41,131	27,830	46,787
15 ppm sulfur and under	--	--	86,685	--	-25,284	833	506	--	35,224	26,503	41,250
Greater than 15 ppm to 500 ppm sulfur	--	--	2,996	--	-577	--	-11	--	2,521	-91	1,585
Greater than 500 ppm sulfur	--	--	5,027	539	-889	--	-127	--	3,386	1,418	3,952
Residual Fuel Oil ⁷	--	--	6,543	2,425	854	--	636	--	6,127	3,059	24,956
Less than 0.31 percent sulfur	--	--	1,141	--	64	--	20	--	NA	NA	1,540
0.31 to 1.00 percent sulfur	--	--	292	302	17	--	-111	--	NA	NA	6,339
Greater than 1.00 percent sulfur	--	--	5,110	2,123	773	--	727	--	NA	NA	17,077
Petrochemical Feedstocks	--	--	9,264	1,848	94	--	337	--	--	10,869	2,601
Naphtha for Petro. Feed. Use	--	--	5,910	938	94	--	312	--	--	6,630	1,654
Other Oils for Petro. Feed. Use	--	--	3,354	910	--	--	25	--	--	4,239	947
Special Naphthas	--	--	998	326	-10	--	-141	--	--	1,455	762
Lubricants	--	--	4,191	1,079	-668	--	381	--	2,581	1,640	6,784
Waxes	--	--	100	18	--	--	-14	--	26	106	251
Petroleum Coke	--	--	16,435	149	--	--	132	--	13,284	3,168	4,341
Marketable	--	--	12,672	149	--	--	132	--	13,284	-595	4,341
Catalyst	--	--	3,763	--	--	--	--	--	--	3,763	--
Asphalt and Road Oil	--	--	2,794	--	-565	--	261	--	182	1,786	5,850
Still Gas	--	--	11,827	--	--	--	--	--	--	11,827	--
Miscellaneous Products	--	--	1,904	--	-16	--	-2	--	10	1,880	459
Total	241,578	3,414	260,620	122,458	-83,824	17,637	-140	240,573	147,301	174,149	1,310,661

-- = 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-May 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	862,126	--	--	484,350	41,089	33,133	5,836	1,309,539	105,323	0	946,701
Natural Gas Plant Liquids and Liquefied Refinery Gases	296,121	-85	64,368	2,333	93,838	--	-19,722	45,461	157,124	273,712	120,307
Pentanes Plus	31,511	-85	--	1,889	-17,920	--	-5,091	15,671	221	4,594	10,127
Liquefied Petroleum Gases	264,610	--	64,368	444	111,758	--	-14,631	29,790	156,902	269,119	110,180
Ethane/Ethylene	124,321	--	771	--	51,070	--	2,370	--	10,531	163,261	49,818
Propane/Propylene	90,876	--	56,570	14	48,668	--	-23,835	--	130,768	89,195	29,185
Normal Butane/Butylene	17,328	--	6,773	430	9,968	--	5,862	12,945	14,803	889	24,870
Isobutane/Isobutylene	32,085	--	254	--	2,052	--	972	16,845	800	15,774	6,307
Other Liquids	--	16,160	--	71,985	-267,142	327	7,375	-256,757	54,984	15,727	127,227
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	16,160	--	3,294	28,304	17,038	158	44,636	20,001	0	7,231
Hydrogen	--	--	--	--	--	20,021	--	20,021	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	10,304	--	1,898	--	-2,013	61	318	9,810	0	1,538
Renewable Fuels (including Fuel Ethanol)	--	5,856	--	1,333	28,304	-908	97	24,297	10,191	0	5,693
Fuel Ethanol	--	3,336	--	771	28,112	251	447	22,005	10,018	0	3,772
Renewable Fuels Except Fuel Ethanol	--	2,520	--	562	192	-1,159	-350	2,292	173	0	1,921
Other Hydrocarbons	--	--	--	63	--	-63	--	--	--	0	--
Unfinished Oils	--	--	--	61,346	1,213	--	5,228	16,516	25,018	15,797	46,800
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	7,345	-296,659	-16,710	1,984	-317,974	9,966	0	73,182
Reformulated	--	--	--	--	-58,119	18,245	790	-40,693	29	0	12,445
Conventional	--	--	--	7,345	-238,540	-34,956	1,194	-277,281	9,936	0	60,737
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	5	65	--	-70	14
Finished Petroleum Products	--	--	1,125,739	25,213	-254,374	18,514	-7,366	--	398,687	523,771	116,426
Finished Motor Gasoline	--	--	325,534	--	-39,356	16,459	-3,405	--	91,278	214,765	8,069
Reformulated	--	--	69,828	--	--	-20,094	--	--	--	49,734	--
Conventional	--	--	255,706	--	-39,356	36,554	-3,405	--	91,278	165,031	8,069
Finished Aviation Gasoline	--	--	1,191	--	-5,080	--	-63	--	--	-3,826	354
Kerosene-Type Jet Fuel	--	--	131,514	--	-76,156	--	5	--	21,825	33,528	15,071
Kerosene	--	--	171	--	--	--	-105	--	367	-91	141
Distillate Fuel Oil	--	--	416,413	1,249	-132,594	2,055	-2,005	--	166,369	122,759	46,787
15 ppm sulfur and under	--	--	378,935	--	-122,360	2,055	-1,133	--	143,859	115,904	41,250
Greater than 15 ppm to 500 ppm sulfur	--	--	14,898	--	-1,728	--	88	--	15,265	-2,183	1,585
Greater than 500 ppm sulfur	--	--	22,580	1,249	-8,506	--	-960	--	7,245	9,038	3,952
Residual Fuel Oil ⁷	--	--	32,499	11,051	3,927	--	600	--	34,168	12,709	24,956
Less than 0.31 percent sulfur	--	--	5,218	1,031	285	--	-731	--	NA	NA	1,540
0.31 to 1.00 percent sulfur	--	--	1,933	885	112	--	1,050	--	NA	NA	6,339
Greater than 1.00 percent sulfur	--	--	25,348	9,135	3,530	--	281	--	NA	NA	17,077
Petrochemical Feedstocks	--	--	43,265	6,208	649	--	54	--	--	50,068	2,601
Naphtha for Petro. Feed. Use	--	--	27,472	4,390	444	--	194	--	--	32,112	1,654
Other Oils for Petro. Feed. Use	--	--	15,793	1,818	205	--	-140	--	--	17,956	947
Special Naphthas	--	--	4,904	1,741	-98	--	-244	--	--	6,791	762
Lubricants	--	--	19,355	4,118	-3,679	--	-3,045	--	14,240	8,599	6,784
Waxes	--	--	575	151	--	--	1	--	101	624	251
Petroleum Coke	--	--	75,821	695	--	--	-207	--	68,875	7,848	4,341
Marketable	--	--	58,657	695	--	--	-207	--	68,875	-9,316	4,341
Catalyst	--	--	17,164	--	--	--	--	--	--	17,164	--
Asphalt and Road Oil	--	--	11,776	--	-1,895	--	1,013	--	1,310	7,558	5,850
Still Gas	--	--	53,863	--	--	--	--	--	--	53,863	--
Miscellaneous Products	--	--	8,858	--	-92	--	35	--	154	8,577	459
Total	1,158,247	16,075	1,190,107	583,881	-386,589	51,974	-13,877	1,098,243	716,117	813,211	1,310,661

-- = 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, May 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 ⁶	5,778	--	--	3,212	201	439	-407	9,287	750	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	2,015	-1	544	21	719	--	324	291	940	1,743
Pentanes Plus	223	-1	--	17	-116	--	-1	131	2	-9
Liquefied Petroleum Gases	1,792	--	544	4	835	--	325	160	938	1,751
Ethane/Ethylene	838	--	7	--	368	--	4	--	99	1,110
Propane/Propylene	617	--	402	--	355	--	96	--	760	517
Normal Butane/Butylene	84	--	140	4	91	--	222	34	71	-7
Isobutane/Isobutylene	253	--	-6	--	21	--	2	126	8	132
Other Liquids	--	111	--	511	-2,008	-63	-23	-1,817	325	67
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	111	--	18	195	77	-25	306	120	0
Hydrogen	--	--	--	--	--	140	--	140	--	0
Oxygenates (excluding Fuel Ethanol)	--	65	--	7	--	-16	-5	--	61	0
Renewable Fuels (including Fuel Ethanol)	--	46	--	11	195	-46	-20	166	60	0
Fuel Ethanol	--	27	--	--	197	-26	-12	151	59	0
Renewable Fuels Except Fuel Ethanol	--	19	--	11	-2	-20	-8	15	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	417	10	--	-14	216	158	68
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	75	-2,214	-140	16	-2,341	47	0
Reformulated	--	--	--	--	-495	82	44	-457	0	0
Conventional	--	--	--	75	-1,719	-222	-29	-1,883	47	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	--	7,863	206	-1,615	193	102	--	2,737	3,809
Finished Motor Gasoline	--	--	2,155	--	-184	166	6	--	555	1,575
Reformulated	--	--	475	--	--	-83	--	--	--	393
Conventional	--	--	1,679	--	-184	249	6	--	555	1,183
Finished Aviation Gasoline	--	--	8	--	-40	--	-4	--	--	-29
Kerosene-Type Jet Fuel	--	--	903	--	-518	--	37	--	133	215
Kerosene	--	--	-1	--	--	--	-1	--	5	-5
Distillate Fuel Oil	--	--	3,055	17	-863	27	12	--	1,327	898
15 ppm sulfur and under	--	--	2,796	--	-816	27	16	--	1,136	855
Greater than 15 ppm to 500 ppm sulfur	--	--	97	--	-19	--	0	--	81	-3
Greater than 500 ppm sulfur	--	--	162	17	-29	--	-4	--	109	46
Residual Fuel Oil ⁷	--	--	211	78	28	--	21	--	198	99
Less than 0.31 percent sulfur	--	--	37	--	2	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	10	1	--	-4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	165	68	25	--	23	--	NA	NA
Petrochemical Feedstocks	--	--	299	60	3	--	11	--	--	351
Naphtha for Petro. Feed. Use	--	--	191	30	3	--	10	--	--	214
Other Oils for Petro. Feed. Use	--	--	108	29	--	--	1	--	--	137
Special Naphthas	--	--	32	11	0	--	-5	--	--	47
Lubricants	--	--	135	35	-22	--	12	--	83	53
Waxes	--	--	3	1	--	--	0	--	1	3
Petroleum Coke	--	--	530	5	--	--	4	--	429	102
Marketable	--	--	409	5	--	--	4	--	429	-19
Catalyst	--	--	121	--	--	--	--	--	--	121
Asphalt and Road Oil	--	--	90	--	-18	--	8	--	6	58
Still Gas	--	--	382	--	--	--	--	--	--	382
Miscellaneous Products	--	--	61	--	-1	--	0	--	0	61
Total	7,793	110	8,407	3,950	-2,704	569	-5	7,760	4,752	5,618

-- = 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-May 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	5,709	--	--	3,208	272	219	39	8,672	698	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	1,961	-1	426	15	621	--	-131	301	1,041	1,813
Pentanes Plus	209	-1	--	13	-119	--	-34	104	1	30
Liquefied Petroleum Gases	1,752	--	426	3	740	--	-97	197	1,039	1,782
Ethane/Ethylene	823	--	5	--	338	--	16	--	70	1,081
Propane/Propylene	602	--	375	0	322	--	-158	--	866	591
Normal Butane/Butylene	115	--	45	3	66	--	39	86	98	6
Isobutane/Isobutylene	212	--	2	--	14	--	6	112	5	104
Other Liquids	--	107	--	477	-1,769	2	49	-1,700	364	104
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	107	--	22	187	113	1	296	132	0
Hydrogen	--	--	--	--	--	133	--	133	--	0
Oxygenates (excluding Fuel Ethanol)	--	68	--	13	--	-13	0	2	65	0
Renewable Fuels (including Fuel Ethanol)	--	39	--	9	187	-6	1	161	67	0
Fuel Ethanol	--	22	--	5	186	2	3	146	66	0
Renewable Fuels Except Fuel Ethanol	--	17	--	4	1	-8	-2	15	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	406	8	--	35	109	166	105
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	49	-1,965	-111	13	-2,106	66	0
Reformulated	--	--	--	--	-385	121	5	-269	0	0
Conventional	--	--	--	49	-1,580	-231	8	-1,836	66	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	7,455	167	-1,685	123	-49	--	2,640	3,469
Finished Motor Gasoline	--	--	2,156	--	-261	109	-23	--	604	1,422
Reformulated	--	--	462	--	--	-133	--	--	--	329
Conventional	--	--	1,693	--	-261	242	-23	--	604	1,093
Finished Aviation Gasoline	--	--	8	--	-34	--	0	--	--	-25
Kerosene-Type Jet Fuel	--	--	871	--	-504	--	0	--	145	222
Kerosene	--	--	1	--	--	--	-1	--	2	-1
Distillate Fuel Oil	--	--	2,758	8	-878	14	-13	--	1,102	813
15 ppm sulfur and under	--	--	2,510	--	-810	14	-8	--	953	768
Greater than 15 ppm to 500 ppm sulfur	--	--	99	--	-11	--	1	--	101	-14
Greater than 500 ppm sulfur	--	--	150	8	-56	--	-6	--	48	60
Residual Fuel Oil ⁷	--	--	215	73	26	--	4	--	226	84
Less than 0.31 percent sulfur	--	--	35	7	2	--	-5	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	13	6	1	--	7	--	NA	NA
Greater than 1.00 percent sulfur	--	--	168	60	23	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	287	41	4	--	0	--	--	332
Naphtha for Petro. Feed. Use	--	--	182	29	3	--	1	--	--	213
Other Oils for Petro. Feed. Use	--	--	105	12	1	--	-1	--	--	119
Special Naphthas	--	--	32	12	-1	--	-2	--	--	45
Lubricants	--	--	128	27	-24	--	-20	--	94	57
Waxes	--	--	4	1	--	--	0	--	1	4
Petroleum Coke	--	--	502	5	--	--	-1	--	456	52
Marketable	--	--	388	5	--	--	-1	--	456	-62
Catalyst	--	--	114	--	--	--	--	--	--	114
Asphalt and Road Oil	--	--	78	--	-13	--	7	--	9	50
Still Gas	--	--	357	--	--	--	--	--	--	357
Miscellaneous Products	--	--	59	--	-1	--	0	--	1	57
Total	7,671	106	7,882	3,867	-2,560	344	-92	7,273	4,742	5,386

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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 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, May 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	20,927	--	--	9,630	-13,405	1,212	-871	19,114	121	0	23,656
Natural Gas Plant Liquids and Liquefied Refinery Gases	12,130	-10	668	223	-11,027	--	445	505	229	805	3,327
Pentanes Plus	1,787	-10	--	--	-1,402	--	18	178	205	-26	336
Liquefied Petroleum Gases	10,343	--	668	223	-9,625	--	427	327	24	831	2,991
Ethane/Ethylene	3,723	--	--	--	-3,544	--	-10	--	--	189	449
Propane/Propylene	4,218	--	313	185	-3,838	--	121	--	0	757	1,061
Normal Butane/Butylene	1,638	--	326	--	-1,429	--	302	83	24	126	1,217
Isobutane/Isobutylene	764	--	29	38	-814	--	14	244	--	-241	264
Other Liquids	--	440	--	70	481	-433	130	371	17	41	9,706
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	440	--	5	533	220	27	1,160	11	0	337
Hydrogen	--	--	--	--	--	177	--	177	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ...	--	440	--	5	533	43	27	983	11	0	337
Fuel Ethanol	--	440	--	--	515	-14	26	915	--	0	323
Renewable Fuels Except Fuel Ethanol	--	--	--	5	18	58	1	68	11	0	14
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	219	-265	5	41	3,390
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	65	-52	-653	-116	-524	--	0	5,979
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-52	-653	-116	-524	--	0	5,979
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	20,174	173	182	610	-577	--	44	21,671	9,280
Finished Motor Gasoline	--	--	9,791	--	-550	667	-17	--	2	9,924	1,697
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,791	--	-550	667	-17	--	2	9,924	1,697
Finished Aviation Gasoline	--	--	--	1	--	--	-3	--	--	4	4
Kerosene-Type Jet Fuel	--	--	1,201	1	658	--	111	--	--	1,749	851
Kerosene	--	--	--	--	--	--	-1	--	--	1	1
Distillate Fuel Oil	--	--	6,110	134	74	-58	-399	--	--	6,659	4,024
15 ppm sulfur and under	--	--	6,034	134	137	-58	-423	--	--	6,670	3,720
Greater than 15 ppm to 500 ppm sulfur	--	--	66	--	--	--	13	--	--	53	247
Greater than 500 ppm sulfur	--	--	10	--	-63	--	11	--	--	-64	57
Residual Fuel Oil ⁶	--	--	368	--	--	--	-63	--	23	408	223
Less than 0.31 percent sulfur	--	--	231	--	--	--	-12	--	NA	NA	33
0.31 to 1.00 percent sulfur	--	--	24	--	--	--	5	--	NA	NA	18
Greater than 1.00 percent sulfur	--	--	113	--	--	--	-56	--	NA	NA	172
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	9	-9	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	695	--	--	--	-23	--	--	718	114
Marketable	--	--	431	--	--	--	-23	--	--	454	114
Catalyst	--	--	264	--	--	--	--	--	--	264	--
Asphalt and Road Oil	--	--	1,216	36	--	--	-184	--	11	1,425	2,342
Still Gas	--	--	689	--	--	--	--	--	--	689	--
Miscellaneous Products	--	--	104	1	--	--	2	--	--	103	24
Total	33,057	430	20,842	10,096	-23,769	1,389	-873	19,990	411	22,517	45,969

-- = 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-May 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	97,668	--	--	53,540	-60,678	3,064	336	92,869	389	0	23,656
Natural Gas Plant Liquids and Liquefied Refinery Gases	56,213	-47	2,026	1,776	-49,498	--	-18	2,893	1,819	5,776	3,327
Pentanes Plus	8,552	-47	--	--	-6,558	--	32	753	1,702	-540	336
Liquefied Petroleum Gases	47,661	--	2,026	1,776	-42,940	--	-50	2,140	117	6,316	2,991
Ethane/Ethylene	15,443	--	--	--	-14,216	--	13	--	--	1,214	449
Propane/Propylene	20,548	--	1,515	1,628	-18,058	--	-292	--	1	5,924	1,061
Normal Butane/Butylene	7,920	--	410	46	-6,810	--	223	1,072	116	155	1,217
Isobutane/Isobutylene	3,750	--	101	102	-3,856	--	6	1,068	--	-977	264
Other Liquids	--	2,134	--	130	-681	-1,074	838	-642	86	227	9,706
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	2,134	--	25	1,558	1,771	-30	5,501	17	0	337
Hydrogen	--	--	--	--	--	1,035	--	1,035	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ...	--	2,134	--	25	1,558	736	-30	4,466	17	0	337
Fuel Ethanol	--	2,134	--	--	1,446	635	-30	4,244	0	0	323
Renewable Fuels Except Fuel Ethanol	--	--	--	25	112	102	0	222	17	0	14
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	561	-856	68	227	3,390
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	105	-2,239	-2,846	307	-5,287	0	0	5,979
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-2,239	-2,846	307	-5,287	0	0	5,979
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	97,617	584	-389	2,109	287	--	173	99,462	9,280
Finished Motor Gasoline	--	--	46,172	--	-2,629	2,211	-541	--	4	46,291	1,697
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	46,172	--	-2,629	2,211	-541	--	4	46,291	1,697
Finished Aviation Gasoline	--	--	14	2	--	--	-5	--	--	21	4
Kerosene-Type Jet Fuel	--	--	5,094	19	3,350	--	251	--	--	8,212	851
Kerosene	--	--	2	--	--	--	0	--	--	2	1
Distillate Fuel Oil	--	--	31,088	268	-1,110	-102	-292	--	--	30,436	4,024
15 ppm sulfur and under	--	--	30,863	268	-909	-102	-322	--	--	30,442	3,720
Greater than 15 ppm to 500 ppm sulfur	--	--	231	--	--	--	27	--	--	204	247
Greater than 500 ppm sulfur	--	--	-6	--	-201	--	3	--	--	-210	57
Residual Fuel Oil ⁶	--	--	1,785	--	--	--	-1	--	97	1,689	223
Less than 0.31 percent sulfur	--	--	1,043	--	--	--	-1	--	NA	NA	33
0.31 to 1.00 percent sulfur	--	--	86	--	--	--	14	--	NA	NA	18
Greater than 1.00 percent sulfur	--	--	656	--	--	--	-14	--	NA	NA	172
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	52	-52	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	3,968	--	--	--	-30	--	0	3,998	114
Marketable	--	--	2,741	--	--	--	-30	--	0	2,771	114
Catalyst	--	--	1,227	--	--	--	--	--	--	1,227	--
Asphalt and Road Oil	--	--	5,386	290	--	--	898	--	19	4,759	2,342
Still Gas	--	--	3,582	--	--	--	--	--	--	3,582	--
Miscellaneous Products	--	--	526	5	--	--	7	--	0	524	24
Total	153,881	2,087	99,643	56,030	-111,246	4,099	1,443	95,120	2,466	105,465	45,969

-- = 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, May 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	675	--	--	311	-432	39	-28	617	4	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	391	0	22	7	-356	--	14	16	7	26
Pentanes Plus	58	0	--	--	-45	--	1	6	7	-1
Liquefied Petroleum Gases	334	--	22	7	-310	--	14	11	1	27
Ethane/Ethylene	120	--	--	--	-114	--	0	--	--	6
Propane/Propylene	136	--	10	6	-124	--	4	--	0	24
Normal Butane/Butylene	53	--	11	--	-46	--	10	3	1	4
Isobutane/Isobutylene	25	--	1	1	-26	--	0	8	--	-8
Other Liquids	--	14	--	2	16	-14	4	12	1	1
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	14	--	0	17	7	1	37	0	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	17	1	1	32	0	0
Fuel Ethanol	--	14	--	--	17	0	1	30	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	2	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	7	-9	0	1
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	-2	-21	-4	-17	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-2	-21	-4	-17	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	651	6	6	20	-19	--	1	699
Finished Motor Gasoline	--	--	316	--	-18	22	-1	--	0	320
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	316	--	-18	22	-1	--	0	320
Finished Aviation Gasoline	--	--	--	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	39	0	21	--	4	--	--	56
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	197	4	2	-2	-13	--	--	215
15 ppm sulfur and under	--	--	195	4	4	-2	-14	--	--	215
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	0	--	--	2
Greater than 500 ppm sulfur	--	--	0	--	-2	--	0	--	--	-2
Residual Fuel Oil ⁶	--	--	12	--	--	--	-2	--	1	13
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	-2	--	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	--	--	22	--	--	--	-1	--	--	23
Marketable	--	--	14	--	--	--	-1	--	--	15
Catalyst	--	--	9	--	--	--	--	--	--	9
Asphalt and Road Oil	--	--	39	1	--	--	-6	--	0	46
Still Gas	--	--	22	--	--	--	--	--	--	22
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
Total	1,066	14	672	326	-767	45	-28	645	13	726

-- = Not Applicable.

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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-May 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	647	--	--	355	-402	20	2	615	3	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	372	0	13	12	-328	--	0	19	12	38
Pentanes Plus	57	0	--	--	-43	--	0	5	11	-4
Liquefied Petroleum Gases	316	--	13	12	-284	--	0	14	1	42
Ethane/Ethylene	102	--	--	--	-94	--	0	--	--	8
Propane/Propylene	136	--	10	11	-120	--	-2	--	0	39
Normal Butane/Butylene	52	--	3	0	-45	--	1	7	1	1
Isobutane/Isobutylene	25	--	1	1	-26	--	0	7	--	-6
Other Liquids	--	14	--	1	-5	-7	6	-4	1	2
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	10	12	0	36	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	10	5	0	30	0	0
Fuel Ethanol	--	14	--	--	10	4	0	28	0	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	1	0	1	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	4	-6	0	2
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	-15	-19	2	-35	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-15	-19	2	-35	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	646	4	-3	14	2	--	1	659
Finished Motor Gasoline	--	--	306	--	-17	15	-4	--	0	307
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	306	--	-17	15	-4	--	0	307
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	34	0	22	--	2	--	--	54
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	206	2	-7	-1	-2	--	--	202
15 ppm sulfur and under	--	--	204	2	-6	-1	-2	--	--	202
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	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	--	--	1	--	--	--	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	--	--	26	--	--	--	0	--	0	26
Marketable	--	--	18	--	--	--	0	--	0	18
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	36	2	--	--	6	--	0	32
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
Total	1,019	14	660	371	-737	27	10	630	16	698

-- = 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, May 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	31,074	--	--	39,634	5,065	3,739	3,768	73,734	2,010	0	56,395
Natural Gas Plant Liquids and Liquefied Refinery Gases	2,163	-15	2,575	783	807	--	699	2,617	1,632	1,365	3,492
Pentanes Plus	1,049	-15	--	--	--	--	18	931	10	75	63
Liquefied Petroleum Gases	1,114	--	2,575	783	807	--	681	1,686	1,622	1,290	3,429
Ethane/Ethylene	3	--	--	--	--	--	--	--	0	3	--
Propane/Propylene	325	--	1,399	657	396	--	283	--	1,119	1,375	942
Normal Butane/Butylene	210	--	1,093	94	308	--	381	719	503	102	2,000
Isobutane/Isobutylene	576	--	83	32	103	--	17	967	--	-190	487
Other Liquids	--	843	--	5,579	10,407	-1,286	214	13,984	835	510	53,036
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	843	--	524	5,178	679	-43	7,008	260	0	3,774
Hydrogen	--	--	--	--	--	1,146	--	1,146	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol)	--	843	--	524	5,178	-469	-43	5,862	258	0	3,774
Fuel Ethanol	--	623	--	--	4,704	158	189	5,066	229	0	2,562
Renewable Fuels Except Fuel Ethanol	--	220	--	524	475	-626	-232	796	28	0	1,212
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,733	--	--	3,019	-161	365	510	23,733
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,322	5,229	-1,965	-2,762	7,137	211	0	25,529
Reformulated	--	--	--	--	2,747	-747	-1,922	3,920	2	0	12,089
Conventional	--	--	--	1,322	2,482	-1,219	-840	3,217	208	0	13,440
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	93,235	6,043	2,008	2,282	-181	--	10,179	93,570	34,812
Finished Motor Gasoline	--	--	50,540	423	362	1,808	-2	--	945	52,190	1,945
Reformulated	--	--	35,888	--	--	985	-4	--	--	36,877	13
Conventional	--	--	14,652	423	362	823	2	--	945	15,313	1,932
Finished Aviation Gasoline	--	--	3	--	30	--	28	--	--	5	212
Kerosene-Type Jet Fuel	--	--	13,222	2,891	263	--	46	--	728	15,602	10,015
Kerosene	--	--	11	--	--	--	1	--	2	8	13
Distillate Fuel Oil	--	--	16,311	901	1,353	474	492	--	2,261	16,287	13,582
15 ppm sulfur and under	--	--	15,684	900	1,353	474	607	--	1,037	16,767	12,399
Greater than 15 ppm to 500 ppm sulfur	--	--	121	--	--	--	-183	--	149	155	221
Greater than 500 ppm sulfur	--	--	506	1	--	--	68	--	1,074	-635	962
Residual Fuel Oil ⁶	--	--	3,010	1,596	--	--	-552	--	1,203	3,955	4,404
Less than 0.31 percent sulfur	--	--	9	--	--	--	-65	--	NA	NA	166
0.31 to 1.00 percent sulfur	--	--	527	490	--	--	49	--	NA	NA	668
Greater than 1.00 percent sulfur	--	--	2,474	1,106	--	--	-536	--	NA	NA	3,564
Petrochemical Feedstocks	--	--	4	74	--	--	0	--	--	78	2
Naphtha for Petro. Feed. Use	--	--	4	42	--	--	0	--	--	46	2
Other Oils for Petro. Feed. Use	--	--	--	32	--	--	--	--	--	32	--
Special Naphthas	--	--	7	--	--	--	-11	--	--	18	48
Lubricants	--	--	521	28	--	--	-206	--	377	378	752
Waxes	--	--	--	42	--	--	--	--	5	37	--
Petroleum Coke	--	--	4,722	22	--	--	187	--	4,623	-66	1,548
Marketable	--	--	3,661	22	--	--	187	--	4,623	-1,127	1,548
Catalyst	--	--	1,061	--	--	--	--	--	--	1,061	--
Asphalt and Road Oil	--	--	827	66	--	--	-173	--	34	1,032	2,175
Still Gas	--	--	3,667	--	--	--	--	--	--	3,667	--
Miscellaneous Products	--	--	390	--	--	--	9	--	0	381	116
Total	33,237	828	95,810	52,039	18,287	4,734	4,500	90,335	14,655	95,446	147,735

-- = 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-May 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	153,047	--	--	174,048	22,268	14,119	4,690	356,357	2,435	0	56,395
Natural Gas Plant Liquids and Liquefied Refinery Gases	10,724	-65	8,609	5,246	4,511	--	-906	13,887	6,412	9,632	3,492
Pentanes Plus	5,219	-65	--	--	--	--	28	4,634	80	412	63
Liquefied Petroleum Gases	5,505	--	8,609	5,246	4,511	--	-934	9,253	6,332	9,220	3,429
Ethane/Ethylene	8	--	--	--	--	--	--	--	0	8	--
Propane/Propylene	1,613	--	6,914	4,294	1,762	--	-633	--	4,697	10,519	942
Normal Butane/Butylene	1,783	--	1,302	870	2,089	--	-316	5,227	1,635	-502	2,000
Isobutane/Isobutylene	2,101	--	393	82	660	--	15	4,026	--	-805	487
Other Liquids	--	3,928	--	23,780	48,500	-4,941	3,298	63,758	3,517	694	53,036
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	3,928	--	2,259	23,936	3,112	-276	32,182	1,329	0	3,774
Hydrogen	--	--	--	--	--	5,330	--	5,330	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	8	--	--	8	0	--
Renewable Fuels (including Fuel Ethanol)	--	3,928	--	2,259	23,936	-2,227	-276	26,852	1,320	0	3,774
Fuel Ethanol	--	2,876	--	197	22,426	-494	89	23,671	1,245	0	2,562
Renewable Fuels Except Fuel Ethanol	--	1,052	--	2,062	1,510	-1,733	-365	3,181	75	0	1,212
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	16,706	--	--	5,161	9,990	861	694	23,733
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	4,815	24,564	-8,053	-1,587	21,586	1,327	0	25,529
Reformulated	--	--	--	--	11,816	-575	-2,235	13,472	4	0	12,089
Conventional	--	--	--	4,815	12,748	-7,477	648	8,114	1,324	0	13,440
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	453,966	24,300	7,517	9,850	2,118	--	51,869	441,646	34,812
Finished Motor Gasoline	--	--	240,999	830	1,541	8,546	-214	--	7,660	244,470	1,945
Reformulated	--	--	169,029	--	--	832	-3	--	--	169,864	13
Conventional	--	--	71,970	830	1,541	7,715	-211	--	7,660	74,607	1,932
Finished Aviation Gasoline	--	--	2	--	110	--	19	--	--	93	212
Kerosene-Type Jet Fuel	--	--	65,609	14,023	1,343	--	812	--	4,118	76,045	10,015
Kerosene	--	--	77	--	--	--	-34	--	15	96	13
Distillate Fuel Oil	--	--	80,802	1,571	4,644	1,304	747	--	15,871	71,703	13,582
15 ppm sulfur and under	--	--	76,948	1,523	4,644	1,304	549	--	9,724	74,146	12,399
Greater than 15 ppm to 500 ppm sulfur	--	--	1,583	--	--	--	-46	--	1,125	504	221
Greater than 500 ppm sulfur	--	--	2,271	48	--	--	244	--	5,022	-2,947	962
Residual Fuel Oil ⁶	--	--	17,931	6,852	--	--	-74	--	2,935	21,922	4,404
Less than 0.31 percent sulfur	--	--	33	--	--	--	32	--	NA	NA	166
0.31 to 1.00 percent sulfur	--	--	3,091	490	--	--	-181	--	NA	NA	668
Greater than 1.00 percent sulfur	--	--	14,807	6,362	--	--	75	--	NA	NA	3,564
Petrochemical Feedstocks	--	--	15	229	--	--	1	--	--	243	2
Naphtha for Petro. Feed. Use	--	--	15	197	--	--	1	--	--	211	2
Other Oils for Petro. Feed. Use	--	--	--	32	--	--	--	--	--	32	--
Special Naphthas	--	--	136	--	--	--	19	--	--	117	48
Lubricants	--	--	2,636	84	-121	--	154	--	1,092	1,353	752
Waxes	--	--	--	160	--	--	--	--	30	130	--
Petroleum Coke	--	--	22,682	131	--	--	335	--	20,002	2,476	1,548
Marketable	--	--	17,614	131	--	--	335	--	20,002	-2,592	1,548
Catalyst	--	--	5,068	--	--	--	--	--	--	5,068	--
Asphalt and Road Oil	--	--	3,298	420	--	--	314	--	145	3,259	2,175
Still Gas	--	--	17,756	--	--	--	--	--	--	17,756	--
Miscellaneous Products	--	--	2,023	--	--	--	39	--	2	1,982	116
Total	163,771	3,863	462,575	227,374	82,796	19,028	9,200	434,002	64,234	451,972	147,735

-- = 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, May 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	1,002	--	--	1,279	163	121	122	2,379	65	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	70	0	83	25	26	--	23	84	53	44
Pentanes Plus	34	0	--	--	--	--	1	30	0	2
Liquefied Petroleum Gases	36	--	83	25	26	--	22	54	52	42
Ethane/Ethylene	0	--	--	--	--	--	--	--	0	0
Propane/Propylene	10	--	45	21	13	--	9	--	36	44
Normal Butane/Butylene	7	--	35	3	10	--	12	23	16	3
Isobutane/Isobutylene	19	--	3	1	3	--	1	31	--	-6
Other Liquids	--	27	--	180	336	-41	7	451	27	16
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	27	--	17	167	22	-1	226	8	0
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	27	--	17	167	-15	-1	189	8	0
Fuel Ethanol	--	20	--	--	152	5	6	163	7	0
Renewable Fuels Except Fuel Ethanol	--	7	--	17	15	-20	-7	26	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	120	--	--	97	-5	12	16
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	43	169	-63	-89	230	7	0
Reformulated	--	--	--	--	89	-24	-62	126	0	0
Conventional	--	--	--	43	80	-39	-27	104	7	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,008	195	65	74	-6	--	328	3,018
Finished Motor Gasoline	--	--	1,630	14	12	58	0	--	30	1,684
Reformulated	--	--	1,158	--	--	32	0	--	--	1,190
Conventional	--	--	473	14	12	27	0	--	30	494
Finished Aviation Gasoline	--	--	0	--	1	--	1	--	--	0
Kerosene-Type Jet Fuel	--	--	427	93	8	--	1	--	23	503
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	526	29	44	15	16	--	73	525
15 ppm sulfur and under	--	--	506	29	44	15	20	--	33	541
Greater than 15 ppm to 500 ppm sulfur	--	--	4	--	--	--	-6	--	5	5
Greater than 500 ppm sulfur	--	--	16	0	--	--	2	--	35	-20
Residual Fuel Oil ⁶	--	--	97	51	--	--	-18	--	39	128
Less than 0.31 percent sulfur	--	--	0	--	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	17	16	--	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	80	36	--	--	-17	--	NA	NA
Petrochemical Feedstocks	--	--	0	2	--	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	1
Special Naphthas	--	--	0	--	--	--	0	--	--	1
Lubricants	--	--	17	1	--	--	-7	--	12	12
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	152	1	--	--	6	--	149	-2
Marketable	--	--	118	1	--	--	6	--	149	-36
Catalyst	--	--	34	--	--	--	--	--	--	34
Asphalt and Road Oil	--	--	27	2	--	--	-6	--	1	33
Still Gas	--	--	118	--	--	--	--	--	--	118
Miscellaneous Products	--	--	13	--	--	--	0	--	0	12
Total	1,072	27	3,091	1,679	590	153	145	2,914	473	3,079

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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-May 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	1,014	--	--	1,153	147	94	31	2,360	16	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	71	0	57	35	30	--	-6	92	42	64
Pentanes Plus	35	0	--	--	--	--	0	31	1	3
Liquefied Petroleum Gases	36	--	57	35	30	--	-6	61	42	61
Ethane/Ethylene	0	--	--	--	--	--	--	--	0	0
Propane/Propylene	11	--	46	28	12	--	-4	--	31	70
Normal Butane/Butylene	12	--	9	6	14	--	-2	35	11	-3
Isobutane/Isobutylene	14	--	3	1	4	--	0	27	--	-5
Other Liquids	--	26	--	157	321	-33	22	422	23	5
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	26	--	15	159	21	-2	213	9	0
Hydrogen	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	26	--	15	159	-15	-2	178	9	0
Fuel Ethanol	--	19	--	1	149	-3	1	157	8	0
Renewable Fuels Except Fuel Ethanol	--	7	--	14	10	-11	-2	21	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	111	--	--	34	66	6	5
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	32	163	-53	-11	143	9	0
Reformulated	--	--	--	--	78	-4	-15	89	0	0
Conventional	--	--	--	32	84	-50	4	54	9	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,006	161	50	65	14	--	344	2,925
Finished Motor Gasoline	--	--	1,596	5	10	57	-1	--	51	1,619
Reformulated	--	--	1,119	--	--	6	0	--	--	1,125
Conventional	--	--	477	5	10	51	-1	--	51	494
Finished Aviation Gasoline	--	--	0	--	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	434	93	9	--	5	--	27	504
Kerosene	--	--	1	--	--	--	0	--	0	1
Distillate Fuel Oil	--	--	535	10	31	9	5	--	105	475
15 ppm sulfur and under	--	--	510	10	31	9	4	--	64	491
Greater than 15 ppm to 500 ppm sulfur	--	--	10	--	--	--	0	--	7	3
Greater than 500 ppm sulfur	--	--	15	0	--	--	2	--	33	-20
Residual Fuel Oil ⁶	--	--	119	45	--	--	0	--	19	145
Less than 0.31 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	3	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	98	42	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	0	2	--	--	0	--	--	2
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	17	1	-1	--	1	--	7	9
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	150	--	--	--	2	--	132	16
Marketable	--	--	117	1	--	--	2	--	132	-17
Catalyst	--	--	34	--	--	--	--	--	--	34
Asphalt and Road Oil	--	--	22	3	--	--	2	--	1	22
Still Gas	--	--	118	--	--	--	--	--	--	118
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
Total	1,085	26	3,063	1,506	548	126	61	2,874	425	2,993

-- = 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, May 2017
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,413	51,693	179,123	20,927	31,074	284,230	9,169
Alaskan	--	--	--	--	--	15,735	508
Lower 48 States	--	--	--	--	--	268,495	8,661
Imports (PAD District of Entry)	29,347	82,131	99,580	9,630	39,634	260,322	8,397
Commercial	29,347	82,131	99,580	9,630	39,634	260,322	8,397
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	1,984	132	6,224	-13,405	5,065	--	--
Adjustments ¹	2,090	-11,174	13,597	1,212	3,739	9,463	305
Disposition							
Stock Change ²	-543	-1,018	-12,611	-871	3,768	-11,275	-364
Commercial	--	--	-8,302	--	--	-6,966	-225
SPR	--	--	-4,309	--	--	-4,309	-139
Refinery Inputs	34,451	118,383	287,893	19,114	73,734	533,575	17,212
Exports	925	5,416	23,242	121	2,010	31,715	1,023
Ending Stocks							
Total	16,805	157,789	946,701	23,656	56,395	1,201,346	--
Commercial	16,805	157,789	262,223	23,656	56,395	516,868	--
Refinery	11,444	14,518	46,952	2,662	25,691	101,267	--
Tank Farms and Pipelines	5,361	143,271	215,271	20,994	26,209	411,106	--
Cushing, Oklahoma	--	63,957	--	--	--	63,957	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	4,495	4,495	--
SPR	--	--	684,478	--	--	684,478	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	57.0	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	33.6	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	153	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	29,347	82,131	99,580	9,630	39,634	260,322	8,397
PAD District of Processing	29,804	74,815	108,254	7,748	39,701	260,322	8,397

-- = 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, May 2017
(Thousand Barrels)

PAD District and State	May 2017		January-May 2017	
	Total	Daily Average	Total	Daily Average
PAD District 1	1,413	46	6,773	45
Florida	176	6	826	5
New York	19	1	91	1
Pennsylvania	512	17	2,444	16
Virginia	0	0	2	0
West Virginia	706	23	3,410	23
PAD District 2	51,693	1,668	249,304	1,651
Illinois	683	22	3,432	23
Indiana	147	5	752	5
Kansas	3,029	98	14,930	99
Kentucky	226	7	963	6
Michigan	521	17	2,336	15
Missouri	10	0	47	0
Nebraska	194	6	946	6
North Dakota	31,766	1,025	153,144	1,014
Ohio	1,569	51	7,506	50
Oklahoma	13,420	433	64,596	428
South Dakota	106	3	548	4
Tennessee	22	1	103	1
PAD District 3	179,123	5,778	862,126	5,709
Alabama	559	18	2,941	19
Arkansas	433	14	2,123	14
Louisiana	4,371	141	21,476	142
Mississippi	1,530	49	7,587	50
New Mexico	14,347	463	66,666	441
Texas	106,392	3,432	502,032	3,325
Federal Offshore PAD District 3	51,491	1,661	259,302	1,717
PAD District 4	20,927	675	97,668	647
Colorado	10,063	325	45,962	304
Idaho	12	0	57	0
Montana	1,745	56	8,684	58
Utah	2,847	92	13,224	88
Wyoming	6,261	202	29,742	197
PAD District 5	31,074	1,002	153,047	1,014
Alaska	15,735	508	78,162	518
South Alaska	399	13	1,981	13
North Slope	15,336	495	76,180	505
Arizona	1	0	6	0
California	14,837	479	72,417	480
Nevada	26	1	117	1
Federal Offshore PAD District 5	475	15	2,347	16
U.S. Total	284,230	9,169	1,368,918	9,066

– = 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, May 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	14	13,173	13,187	6,088	6,656	12,671	25,415
Pentanes Plus	—	1,264	1,264	421	908	1,572	2,901
Liquefied Petroleum Gases	14	11,909	11,923	5,667	5,748	11,099	22,514
Ethane	—	5,549	5,549	2,321	1,634	4,343	8,298
Propane	4	4,388	4,392	2,365	2,643	4,474	9,482
Normal Butane	10	1,312	1,322	445	1,179	1,363	2,987
Isobutane	—	660	660	536	292	919	1,747

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	43,305	6,342	5,898	1,109	5,801	62,455	12,130	2,163	115,350
Pentanes Plus	4,794	511	665	246	689	6,905	1,787	1,049	13,906
Liquefied Petroleum Gases	38,511	5,831	5,233	863	5,112	55,550	10,343	1,114	101,444
Ethane	17,800	3,196	2,333	416	2,224	25,969	3,723	3	43,542
Propane	13,438	1,681	1,869	254	1,878	19,120	4,218	325	37,537
Normal Butane	4,492	-3,160	647	109	528	2,616	1,638	210	8,773
Isobutane	2,781	4,114	384	84	482	7,845	764	576	11,592

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	4	238	242	899	128	553	1,580
Pentanes Plus	—	55	55	93	44	98	235
Liquefied Petroleum Gases	4	183	187	806	84	455	1,345
Ethane	—	—	—	85	6	146	237
Propane	2	124	126	476	49	165	690
Normal Butane	2	40	42	133	24	79	236
Isobutane	—	19	19	112	5	65	182

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	144	3,120	570	26	—	3,860	139	293	6,114
Pentanes Plus	32	24	156	4	—	216	40	55	601
Liquefied Petroleum Gases	112	3,096	414	22	—	3,644	99	238	5,513
Ethane	1	573	—	—	—	574	—	—	811
Propane	90	1,448	21	17	—	1,576	62	24	2,478
Normal Butane	15	666	369	5	—	1,055	30	175	1,538
Isobutane	6	409	24	—	—	439	7	39	686

— = 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, May 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	31,491	2,960	34,451	76,522	14,087	27,774	118,383
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	392	-	392	1,479	19	965	2,463
Pentanes Plus	-	-	-	302	6	463	771
Liquefied Petroleum Gases	392	-	392	1,177	13	502	1,692
Normal Butane	13	-	13	75	6	76	157
Isobutane	379	-	379	1,102	7	426	1,535
Other Liquids	81,812	6,741	88,553	13,502	5,120	3,493	22,115
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	10,217	819	11,036	6,169	1,638	1,904	9,711
Hydrogen	109	2	111	696	298	191	1,185
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	10,108	817	10,925	5,422	1,340	1,713	8,475
Fuel Ethanol	9,862	761	10,623	5,099	1,194	1,638	7,931
Renewable Diesel Fuel	246	56	302	323	146	75	544
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	51	-	-	51
Unfinished Oils (net)	2,413	-91	2,322	65	-260	179	-16
Naphthas and Lighter	916	-61	855	485	-155	-29	301
Kerosene and Light Gas Oils	-175	-	-175	-362	-33	187	-208
Heavy Gas Oils	1,506	-39	1,467	63	-72	-62	-71
Residuum	166	9	175	-121	-	83	-38
Motor Gasoline Blend.Comp. (MGBC)(net)	69,182	6,013	75,195	7,268	3,742	1,410	12,420
Reformulated - RBOB	17,869	295	18,164	-1,042	1,289	957	1,204
Conventional	51,313	5,718	57,031	8,310	2,453	453	11,216
CBOB	41,442	5,747	47,189	7,665	2,057	296	10,018
GTAB	3,920	-	3,920	-	-	-	-
Other	5,951	-29	5,922	645	396	157	1,198
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	113,695	9,701	123,396	91,503	19,226	32,232	142,961

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 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	22,151	146,509	107,857	7,151	4,225	287,893	19,114	73,734	533,575
Natural Gas Plant Liquids and Liquefied Refinery Gases	458	4,504	3,820	41	194	9,017	505	2,617	14,994
Pentanes Plus	120	1,971	1,958	2	1	4,052	178	931	5,932
Liquefied Petroleum Gases	338	2,533	1,862	39	193	4,965	327	1,686	9,062
Normal Butane	111	843	99	3	-	1,056	83	719	2,028
Isobutane	227	1,690	1,763	36	193	3,909	244	967	7,034
Other Liquids	9,497	-42,387	-31,215	8,216	-448	-56,337	371	13,984	68,686
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	2,182	3,432	2,369	1,243	253	9,479	1,160	7,008	38,394
Hydrogen	14	2,425	1,769	67	52	4,327	177	1,146	6,946
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	2,168	1,007	600	1,176	201	5,152	983	5,862	31,397
Fuel Ethanol	2,051	890	477	1,079	175	4,672	915	5,066	29,207
Renewable Diesel Fuel	117	116	123	97	26	479	68	793	2,186
Other Renewable Fuels	-	1	-	-	-	1	-	3	4
Other Hydrocarbons	-	-	-	-	-	-	-	-	51
Unfinished Oils (net)	-506	-2,986	10,242	-46	4	6,708	-265	-161	8,588
Naphthas and Lighter	-386	-5,542	265	46	8	-5,609	-192	-1,273	-5,918
Kerosene and Light Gas Oils	138	-977	1,139	-6	9	303	-206	-910	-1,196
Heavy Gas Oils	-169	2,260	7,890	-3	-13	9,965	179	2,910	14,450
Residuum	-89	1,273	948	-83	-	2,049	-46	-888	1,252
Motor Gasoline Blend.Comp. (MGBC)(net)	7,782	-42,833	-43,825	7,019	-705	-72,562	-524	7,137	21,666
Reformulated - RBOB	5,882	-11,043	-8,169	-	-847	-14,177	-	3,920	9,111
Conventional	1,900	-31,790	-35,656	7,019	142	-58,385	-524	3,217	12,555
CBOB	2,078	-33,704	-33,755	6,989	146	-58,246	-760	2,187	388
GTAB	-	-	-	-	-	-	-	-	3,920
Other	-178	1,914	-1,901	30	-4	-139	236	1,030	8,247
Aviation Gasoline Blend. Comp. (net)	39	-	-1	-	-	38	-	-	38
Total Input	32,106	108,626	80,462	15,408	3,971	240,573	19,990	90,335	617,255

- = 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, May 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	1,837	58	1,895	4,889	587	684	6,160
Ethane/Ethylene	9	-	9	-	-	-	-
Ethane	-	-	-	-	-	-	-
Ethylene	9	-	9	-	-	-	-
Propane/Propylene	1,201	29	1,230	2,754	401	722	3,877
Propane	740	29	769	1,784	218	486	2,488
Propylene	461	-	461	970	183	236	1,389
Normal Butane/Butylene	594	58	652	2,113	232	61	2,406
Normal Butane	651	58	709	1,966	232	51	2,249
Butylene	-57	-	-57	147	-	10	157
Isobutane/Isobutylene	33	-29	4	22	-46	-99	-123
Isobutane	-26	-29	-55	22	-46	-99	-123
Isobutylene	59	-	59	-	-	-	-
Finished Motor Gasoline	95,571	7,836	103,407	54,025	11,585	17,750	83,360
Reformulated	40,500	224	40,724	8,866	1,518	1,117	11,501
Reformulated Blended with Fuel Ethanol	40,500	224	40,724	8,866	1,518	1,117	11,501
Reformulated Other	-	-	-	-	-	-	-
Conventional	55,071	7,612	62,683	45,159	10,067	16,633	71,859
Conventional Blended with Fuel Ethanol	57,124	7,402	64,526	41,688	10,307	14,894	66,889
Ed55 and Lower	57,080	7,402	64,482	41,679	10,285	14,839	66,803
Greater than Ed55	44	-	44	9	22	55	86
Conventional Other	-2,053	210	-1,843	3,471	-240	1,739	4,970
Finished Aviation Gasoline	-	-	-	-	60	-	60
Kerosene-Type Jet Fuel	2,949	-	2,949	5,834	826	1,085	7,745
Kerosene	135	-	135	7	-	16	23
Distillate Fuel Oil	9,970	795	10,765	19,155	4,243	10,838	34,236
15 ppm sulfur and under	9,365	711	10,076	19,277	4,200	10,801	34,278
Greater than 15 ppm to 500 ppm sulfur	9	69	78	-104	-26	127	-3
Greater than 500 ppm sulfur	596	15	611	-18	69	-90	-39
Residual Fuel Oil	1,571	2	1,573	1,174	344	96	1,614
Less than 0.31 percent sulfur	337	1	338	61	121	-	182
0.31 to 1.00 percent sulfur	581	1	582	153	67	-	220
Greater than 1.00 percent sulfur	653	-	653	960	156	96	1,212
Petrochemical Feedstocks	109	-	109	992	28	32	1,052
Naphtha for Petro. Feed. Use	109	-	109	737	28	-	765
Other Oils for Petro. Feed. Use	-	-	-	255	-	32	287
Special Naphthas	-	22	22	41	-	22	63
Lubricants	231	186	417	-	-	263	263
Waxes	-	6	6	-	-	45	45
Petroleum Coke	1,088	19	1,107	4,236	798	1,025	6,059
Marketable	387	-	387	3,056	671	807	4,534
Catalyst	701	19	720	1,180	127	218	1,525
Asphalt and Road Oil	463	633	1,096	2,826	1,208	500	4,534
Still Gas	1,237	60	1,297	2,693	552	1,011	4,256
Miscellaneous Products	75	40	115	315	117	64	496
Total	115,236	9,657	124,893	96,187	20,348	33,431	149,966
Processing Gain(-) or Loss(+) ¹	-1,541	44	-1,497	-4,684	-1,122	-1,199	-7,005

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, May 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	1,146	9,124	6,424	93	70	16,857	668	2,575	28,155
Ethane/Ethylene	2	206	21	-	-	229	-	-	238
Ethane	2	196	21	-	-	219	-	-	219
Ethylene	-	10	-	-	-	10	-	-	19
Propane/Propylene	756	6,276	5,326	59	49	12,466	313	1,399	19,285
Propane	320	2,560	2,457	14	49	5,400	290	1,109	10,056
Propylene	436	3,716	2,869	45	-	7,066	23	290	9,229
Normal Butane/Butylene	384	3,079	836	34	22	4,355	326	1,093	8,832
Normal Butane	383	3,059	1,069	34	26	4,571	277	1,091	8,897
Butylene	1	20	-233	-	-4	-216	49	2	-65
Isobutane/Isobutylene	4	-437	241	-	-1	-193	29	83	-200
Isobutane	4	-396	241	-	-1	-152	29	83	-218
Isobutylene	-	-41	-	-	-	-41	-	-	18
Finished Motor Gasoline	21,176	22,677	10,972	10,128	1,841	66,794	9,791	50,540	313,892
Reformulated	7,823	6,915	-	-	-	14,738	-	35,888	102,851
Reformulated Blended with Fuel Ethanol	7,823	6,915	-	-	-	14,738	-	35,888	102,851
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	13,353	15,762	10,972	10,128	1,841	52,056	9,791	14,652	211,041
Conventional Blended with Fuel Ethanol	12,402	1,831	4,731	10,733	1,732	31,429	9,097	14,468	186,409
Ed55 and Lower	12,391	1,831	4,731	10,721	1,732	31,406	9,085	14,463	186,239
Greater than Ed55	11	-	-	12	-	23	12	5	170
Conventional Other	951	13,931	6,241	-605	109	20,627	694	184	24,632
Finished Aviation Gasoline	102	53	82	-	-	237	-	3	300
Kerosene-Type Jet Fuel	1,469	13,951	12,378	192	-	27,990	1,201	13,222	53,107
Kerosene	12	-3	-34	3	-	-22	-	11	147
Distillate Fuel Oil	6,952	46,199	37,140	2,510	1,907	94,708	6,110	16,311	162,130
15 ppm sulfur and under	6,975	44,478	30,976	2,349	1,907	86,685	6,034	15,684	152,757
Greater than 15 ppm to 500 ppm sulfur	2	239	2,723	32	-	2,996	66	121	3,258
Greater than 500 ppm sulfur	-25	1,482	3,441	129	-	5,027	10	506	6,115
Residual Fuel Oil	306	1,816	4,524	-129	26	6,543	368	3,010	13,108
Less than 0.31 percent sulfur	244	49	848	-	-	1,141	231	9	1,901
0.31 to 1.00 percent sulfur	-	115	285	-129	21	292	24	527	1,645
Greater than 1.00 percent sulfur	62	1,652	3,391	-	5	5,110	113	2,474	9,562
Petrochemical Feedstocks	143	6,273	2,840	8	-	9,264	-	4	10,429
Naphtha for Petro. Feed. Use	147	4,441	1,314	8	-	5,910	-	4	6,788
Other Oils for Petro. Feed. Use	-4	1,832	1,526	-	-	3,354	-	-	3,641
Special Naphthas	61	698	-	239	-	998	-	7	1,090
Lubricants	31	1,672	1,584	904	-	4,191	-	521	5,392
Waxes	-	58	21	21	-	100	-	-	151
Petroleum Coke	440	9,500	6,309	141	45	16,435	695	4,722	29,018
Marketable	193	7,449	4,904	126	-	12,672	431	3,661	21,685
Catalyst	247	2,051	1,405	15	45	3,763	264	1,061	7,333
Asphalt and Road Oil	268	368	1,019	1,096	43	2,794	1,216	827	10,467
Still Gas	871	6,352	4,403	112	89	11,827	689	3,667	21,736
Miscellaneous Products	111	1,084	646	15	48	1,904	104	390	3,009
Total	33,088	119,822	88,308	15,333	4,069	260,620	20,842	95,810	652,131
Processing Gain(-) or Loss(+) ¹	-982	-11,196	-7,846	75	-98	-20,047	-852	-5,475	-34,876

- = 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, May 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	31,491	2,960	34,451	76,522	14,087	27,774	118,383
Natural Gas Plant Liquids	382	-	382	1,479	8	842	2,329
Pentanes Plus	-	-	-	302	-	414	716
Liquefied Petroleum Gases	382	-	382	1,177	8	428	1,613
Normal Butane	3	-	3	75	1	2	78
Isobutane	379	-	379	1,102	7	426	1,535
Other Liquids	-13,308	11	-13,297	-33,680	-4,329	-11,144	-49,153
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	178	117	295	1,023	508	296	1,827
Hydrogen	109	2	111	696	298	191	1,185
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	69	115	184	276	210	105	591
Fuel Ethanol	69	92	161	173	171	99	443
Renewable Diesel Fuel	-	23	23	103	39	6	148
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	51	-	-	51
Unfinished Oils (net)	2,412	-91	2,321	54	-260	179	-27
Naphthas and Lighter	916	-61	855	485	-155	-29	301
Kerosene and Light Gas Oils	-175	-	-175	-362	-33	187	-208
Heavy Gas Oils	1,505	-39	1,466	63	-72	-62	-71
Residuum	166	9	175	-132	-	83	-49
Motor Gasoline Blend.Comp. (MGBC)(net)	-15,898	-15	-15,913	-34,757	-4,577	-11,619	-50,953
Reformulated - RBOB	-9,748	-	-9,748	-8,831	-76	-49	-8,956
Conventional	-6,150	-15	-6,165	-25,926	-4,501	-11,570	-41,997
CBOB	-6,561	14	-6,547	-26,407	-4,897	-11,727	-43,031
GTAB	-	-	-	-	-	-	-
Other	411	-29	382	481	396	157	1,034
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	18,565	2,971	21,536	44,321	9,766	17,472	71,559
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	1,016	96	1,112	2,467	447	897	3,810
Operable Capacity (daily average)	1,083	98	1,182	2,607	520	872	3,999
Operable Utilization Rate (percent) ²	93.8	97.6	94.1	94.6	86.0	102.8	95.3
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	178	17	195	473	47	172	692
Catalytic Cracking	400	16	416	787	120	221	1,128
Catalytic Hydrocracking	33	-	33	178	60	63	301
Delayed and Fluid Coking	49	-	49	329	62	92	483
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.76	1.63	0.83	1.56	2.26	0.79	1.46
API Gravity, Weighted Average (degrees)	35.39	33.03	35.19	32.59	25.93	37.43	32.88
Operable Capacity (daily average)	1,083	98	1,182	2,607	520	872	3,999
Operating	1,083	98	1,182	2,585	520	872	3,977
Idle	-	-	-	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, May 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	22,151	146,509	107,857	7,151	4,225	287,893	19,114	73,734	533,575
Natural Gas Plant Liquids	457	3,823	3,808	38	194	8,320	483	2,614	14,128
Pentanes Plus	119	1,338	1,958	2	1	3,418	163	931	5,228
Liquefied Petroleum Gases	338	2,485	1,850	36	193	4,902	320	1,683	8,900
Normal Butane	111	795	87	—	—	993	77	716	1,867
Isobutane	227	1,690	1,763	36	193	3,909	243	967	7,033
Other Liquids	-8,443	-53,043	-34,148	-1,479	-1,605	-98,718	-4,547	-34,247	-199,962
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	279	2,485	2,074	125	109	5,072	505	1,517	9,216
Hydrogen	14	2,425	1,769	67	52	4,327	177	1,146	6,946
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	265	60	305	58	57	745	328	371	2,219
Fuel Ethanol	217	50	182	31	57	537	275	90	1,506
Renewable Diesel Fuel	48	10	123	27	—	208	53	278	710
Other Renewable Fuels	—	—	—	—	—	—	—	3	3
Other Hydrocarbons	—	—	—	—	—	—	—	—	51
Unfinished Oils (net)	-506	-2,986	10,242	-46	4	6,708	-265	-161	8,576
Naphthas and Lighter	-386	-5,542	265	46	8	-5,609	-192	-1,273	-5,918
Kerosene and Light Gas Oils	138	-977	1,139	-6	9	303	-206	-910	-1,196
Heavy Gas Oils	-169	2,260	7,890	-3	-13	9,965	179	2,910	14,449
Residuum	-89	1,273	948	-83	—	2,049	-46	-888	1,241
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,255	-52,542	-46,463	-1,558	-1,718	-110,536	-4,787	-35,603	-217,792
Reformulated - RBOB	-1,169	-15,431	-8,169	—	-847	-25,616	—	-27,816	-72,136
Conventional	-7,086	-37,111	-38,294	-1,558	-871	-84,920	-4,787	-7,787	-145,656
CBOB	-6,908	-31,565	-35,484	-1,554	-867	-76,378	-5,019	-8,814	-139,789
GTAB	—	—	—	—	—	—	—	—	—
Other	-178	-5,546	-2,810	-4	-4	-8,542	232	1,027	-5,867
Aviation Gasoline Blend. Comp. (net)	39	—	-1	—	—	38	—	—	38
Total Input to Refineries	14,165	97,289	77,517	5,710	2,814	197,495	15,050	42,101	347,741
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	699	4,801	3,593	215	136	9,444	612	2,516	17,494
Operable Capacity (daily average)	731	4,944	3,696	256	124	9,752	692	2,933	18,557
Operable Utilization Rate (percent) ²	95.7	97.1	97.2	83.9	110.4	96.9	88.4	85.8	94.3
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	147	668	620	34	25	1,495	93	371	2,845
Catalytic Cracking	178	1,305	1,112	18	37	2,650	167	692	5,052
Catalytic Hydrocracking	50	547	426	15	—	1,038	25	386	1,783
Delayed and Fluid Coking	27	846	542	23	—	1,438	57	412	2,439
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.56	1.70	1.42	1.56	0.69	1.49	1.39	1.35	1.42
API Gravity, Weighted Average (degrees)	39.90	31.34	30.80	31.87	39.75	31.92	34.79	29.38	32.05
Operable Capacity (daily average)	731	4,944	3,696	256	124	9,752	692	2,933	18,557
Operating	731	4,902	3,696	256	124	9,709	622	2,848	18,338
Idle	—	43	—	—	—	43	70	85	219
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	13,618	13,618

— = 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, May 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	1,837	58	1,895	4,889	587	684	6,160
Ethane/Ethylene	9	-	9	-	-	-	-
Ethane	-	-	-	-	-	-	-
Ethylene	9	-	9	-	-	-	-
Propane/Propylene	1,201	29	1,230	2,754	401	722	3,877
Propane	740	29	769	1,784	218	486	2,488
Propylene	461	-	461	970	183	236	1,389
Normal Butane/Butylene	594	58	652	2,113	232	61	2,406
Normal Butane	651	58	709	1,966	232	51	2,249
Butylene	-57	-	-57	147	-	10	157
Isobutane/Isobutylene	33	-29	4	22	-46	-99	-123
Isobutane	-26	-29	-55	22	-46	-99	-123
Isobutylene	59	-	59	-	-	-	-
Finished Motor Gasoline	684	1,140	1,824	7,078	2,228	3,059	12,365
Reformulated	684	-	684	-	-	-	-
Reformulated Blended with Fuel Ethanol	684	-	684	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	1,140	1,140	7,078	2,228	3,059	12,365
Conventional Blended with Fuel Ethanol	-	917	917	1,760	1,704	1,014	4,478
Ed55 and Lower	-	917	917	1,760	1,704	1,014	4,478
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	223	223	5,318	524	2,045	7,887
Finished Aviation Gasoline	-	-	-	-	60	-	60
Kerosene-Type Jet Fuel	2,948	-	2,948	5,835	826	1,085	7,746
Commercial	2,948	-	2,948	5,835	848	977	7,660
Military	-	-	-	-	-22	108	86
Kerosene	135	-	135	7	-	16	23
Distillate Fuel Oil	9,727	762	10,489	18,934	4,139	10,770	33,843
15 ppm sulfur and under	9,172	678	9,850	19,056	4,096	10,733	33,885
Greater than 15 ppm to 500 ppm sulfur	6	69	75	-104	-26	59	-71
Greater than 500 ppm sulfur	549	15	564	-18	69	-22	29
Residual Fuel Oil	1,571	2	1,573	1,174	344	104	1,622
Less than 0.31 percent sulfur	337	1	338	61	121	-	182
0.31 to 1.00 percent sulfur	579	1	580	153	67	-	220
Greater than 1.00 percent sulfur	655	-	655	960	156	104	1,220
Petrochemical Feedstocks	109	-	109	992	28	32	1,052
Naphtha for Petro. Feed. Use	109	-	109	737	28	-	765
Other Oils for Petro. Feed. Use	-	-	-	255	-	32	287
Special Naphthas	-	22	22	41	-	22	63
Lubricants	231	186	417	-	-	263	263
Naphthenic	-	-	-	-	-	-	-
Paraffinic	231	186	417	-	-	263	263
Waxes	-	6	6	-	-	45	45
Petroleum Coke	1,088	19	1,107	4,236	798	1,025	6,059
Marketable	387	-	387	3,056	671	807	4,534
Catalyst	701	19	720	1,180	127	218	1,525
Asphalt and Road Oil	462	633	1,095	2,815	1,208	492	4,515
Still Gas	1,237	60	1,297	2,693	552	1,011	4,256
Miscellaneous Products	75	40	115	315	117	64	496
Fuel Use	-	-	-	-	-	-	-
Nonfuel Use	75	40	115	315	117	64	496
Total	20,104	2,928	23,032	49,009	10,887	18,672	78,568
Processing Gain(-) or Loss(+) ¹	-1,539	43	-1,496	-4,688	-1,121	-1,200	-7,009

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, May 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	1,146	9,124	6,424	93	70	16,857	668	2,575	28,155
Ethane/Ethylene	2	206	21	-	-	229	-	-	238
Ethane	2	196	21	-	-	219	-	-	219
Ethylene	-	10	-	-	-	10	-	-	19
Propane/Propylene	756	6,276	5,326	59	49	12,466	313	1,399	19,285
Propane	320	2,560	2,457	14	49	5,400	290	1,109	10,056
Propylene	436	3,716	2,869	45	-	7,066	23	290	9,229
Normal Butane/Butylene	384	3,079	836	34	22	4,355	326	1,093	8,832
Normal Butane	383	3,059	1,069	34	26	4,571	277	1,091	8,897
Butylene	1	20	-233	-	-4	-216	49	2	-65
Isobutane/Isobutylene	4	-437	241	-	-1	-193	29	83	-200
Isobutane	4	-396	241	-	-1	-152	29	83	-218
Isobutylene	-	-41	-	-	-	-41	-	-	18
Finished Motor Gasoline	3,305	11,446	8,030	501	710	23,992	4,868	2,816	45,865
Reformulated	-	-	-	-	-	-	-	601	1,285
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	601	1,285
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	3,305	11,446	8,030	501	710	23,992	4,868	2,215	44,580
Conventional Blended with Fuel Ethanol	2,099	497	1,789	324	557	5,266	2,805	288	13,754
Ed55 and Lower	2,093	497	1,789	324	557	5,260	2,805	288	13,748
Greater than Ed55	6	-	-	-	-	6	-	-	6
Conventional Other	1,206	10,949	6,241	177	153	18,726	2,063	1,927	30,826
Finished Aviation Gasoline	102	53	82	-	-	237	-	3	300
Kerosene-Type Jet Fuel	1,469	13,952	12,363	192	-	27,976	1,163	13,230	53,063
Commercial	1,238	12,667	12,170	97	-	26,172	1,081	12,871	50,732
Military	231	1,285	193	95	-	1,804	82	359	2,331
Kerosene	12	-3	-35	3	-	-23	-	2	137
Distillate Fuel Oil	6,882	46,092	37,156	2,440	1,881	94,451	6,132	15,806	160,721
15 ppm sulfur and under	6,905	44,438	30,992	2,279	1,881	86,495	6,056	15,187	151,473
Greater than 15 ppm to 500 ppm sulfur	2	239	2,723	32	-	2,996	66	121	3,187
Greater than 500 ppm sulfur	-25	1,415	3,441	129	-	4,960	10	498	6,061
Residual Fuel Oil	306	1,816	4,530	-129	26	6,549	368	3,001	13,113
Less than 0.31 percent sulfur	244	28	848	-	-	1,120	231	-	1,871
0.31 to 1.00 percent sulfur	-	111	285	-129	21	288	24	527	1,639
Greater than 1.00 percent sulfur	62	1,677	3,397	-	5	5,141	113	2,474	9,603
Petrochemical Feedstocks	143	6,273	2,840	8	-	9,264	-	4	10,429
Naphtha for Petro. Feed. Use	147	4,441	1,314	8	-	5,910	-	4	6,788
Other Oils for Petro. Feed. Use	-4	1,832	1,526	-	-	3,354	-	-	3,641
Special Naphthas	61	698	-	239	-	998	-	7	1,090
Lubricants	31	1,672	1,584	904	-	4,191	-	521	5,392
Naphthenic	31	77	-	691	-	799	-	93	892
Paraffinic	-	1,595	1,584	213	-	3,392	-	428	4,500
Waxes	-	58	21	21	-	100	-	-	151
Petroleum Coke	440	9,500	6,309	141	45	16,435	695	4,722	29,018
Marketable	193	7,449	4,904	126	-	12,672	431	3,661	21,685
Catalyst	247	2,051	1,405	15	45	3,763	264	1,061	7,333
Asphalt and Road Oil	268	368	1,013	1,096	43	2,788	1,216	827	10,441
Still Gas	871	6,352	4,403	112	89	11,827	689	3,667	21,736
Miscellaneous Products	111	1,084	646	15	48	1,904	104	390	3,009
Fuel Use	-	-	-	-	-	-	-	33	33
Nonfuel Use	111	1,084	646	15	48	1,904	104	357	2,976
Total	15,147	108,485	85,366	5,636	2,912	217,546	15,903	47,571	382,620
Processing Gain(-) or Loss(+) ¹	-982	-11,196	-7,849	74	-98	-20,051	-853	-5,470	-34,879

- = 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, May 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	10	-	10	-	11	123	134
Pentanes Plus	-	-	-	-	6	49	55
Liquefied Petroleum Gases	10	-	10	-	5	74	79
Normal Butane	10	-	10	-	5	74	79
Isobutane	-	-	-	-	-	-	-
Other Liquids	95,120	6,730	101,850	47,182	9,449	14,637	71,268
Oxygenates/Renewables	10,039	702	10,741	5,146	1,130	1,608	7,884
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	10,039	702	10,741	5,146	1,130	1,608	7,884
Fuel Ethanol	9,793	669	10,462	4,926	1,023	1,539	7,488
Renewable Diesel Fuel	246	33	279	220	107	69	396
Other Renewable Fuels	-	-	-	-	-	-	-
Unfinished Oils (net)	1	-	1	11	-	-	11
Naphthas and Lighter	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-	-	-	-	-	-
Heavy Gas Oils	1	-	1	-	-	-	-
Residuum	-	-	-	11	-	-	11
Motor Gasoline Blend.Comp. (MGBC)(net)	85,080	6,028	91,108	42,025	8,319	13,029	63,373
Reformulated - RBOB	27,617	295	27,912	7,789	1,365	1,006	10,160
Conventional	57,463	5,733	63,196	34,236	6,954	12,023	53,213
CBOB	48,003	5,733	53,736	34,072	6,954	12,023	53,049
GTAB	3,920	-	3,920	-	-	-	-
Other	5,540	-	5,540	164	-	-	164
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	95,130	6,730	101,860	47,182	9,460	14,760	71,402

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	1	681	12	3	-	697	22	3	866
Pentanes Plus	1	633	-	-	-	634	15	-	704
Liquefied Petroleum Gases	-	48	12	3	-	63	7	3	162
Normal Butane	-	48	12	3	-	63	6	3	161
Isobutane	-	-	-	-	-	-	-	-	1
Other Liquids	17,940	10,656	2,933	9,695	1,157	42,381	4,918	48,231	268,648
Oxygenates/Renewables	1,903	947	295	1,118	144	4,407	655	5,491	29,178
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	1,903	947	295	1,118	144	4,407	655	5,491	29,178
Fuel Ethanol	1,834	840	295	1,048	118	4,135	640	4,976	27,701
Renewable Diesel Fuel	69	106	-	70	26	271	15	515	1,476
Other Renewable Fuels	-	1	-	-	-	1	-	-	1
Unfinished Oils (net)	-	-	0	-	-	0	-	-	12
Naphthas and Lighter	-	-	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-	-	-	-	-	-	-	-
Heavy Gas Oils	-	-	0	-	-	0	-	-	1
Residuum	-	-	-	-	-	-	-	-	11
Motor Gasoline Blend.Comp. (MGBC)(net)	16,037	9,709	2,638	8,577	1,013	37,974	4,263	42,740	239,458
Reformulated - RBOB	7,051	4,388	-	-	-	11,439	-	31,736	81,247
Conventional	8,986	5,321	2,638	8,577	1,013	26,535	4,263	11,004	158,211
CBOB	8,986	-2,139	1,729	8,543	1,013	18,132	4,259	11,001	140,177
GTAB	-	-	-	-	-	-	-	-	3,920
Other	-	7,460	909	34	-	8,403	4	3	14,114
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-	-	-
Total Input	17,941	11,337	2,945	9,698	1,157	43,078	4,940	48,234	269,514

- = 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, May 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	94,887	6,696	101,583	46,947	9,357	14,691	70,995
Reformulated	39,816	224	40,040	8,866	1,518	1,117	11,501
Reformulated Blended with Fuel Ethanol	39,816	224	40,040	8,866	1,518	1,117	11,501
Reformulated Other	-	-	-	-	-	-	-
Conventional	55,071	6,472	61,543	38,081	7,839	13,574	59,494
Conventional Blended with Fuel Ethanol	57,124	6,485	63,609	39,928	8,603	13,880	62,411
Ed55 and Lower	57,080	6,485	63,565	39,919	8,581	13,825	62,325
Greater than Ed55	44	-	44	9	22	55	86
Conventional Other	-2,053	-13	-2,066	-1,847	-764	-306	-2,917
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	1	-	1	-1	-	-	-1
Kerosene	-	-	-	-	-	-	-
Distillate Fuel Oil	243	33	276	221	104	68	393
15 ppm sulfur and under	193	33	226	221	104	68	393
Greater than 15 ppm to 500 ppm sulfur	3	0	3	-	-	68	68
Greater than 500 ppm sulfur	47	-	47	-	-	-68	-68
Residual Fuel Oil	0	-	0	-	-	-8	-8
Less than 0.31 percent sulfur	-	-	-	-	-	-	-
0.31 to 1.00 percent sulfur	2	-	2	-	-	-	-
Greater than 1.00 percent sulfur	-2	-	-2	-	-	-8	-8
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	1	-	1	11	-	8	19
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	95,132	6,729	101,861	47,178	9,461	14,759	71,398
Processing Gain(-) or Loss(+) ¹	-2	1	-1	4	-1	1	4

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	17,871	11,231	2,942	9,627	1,131	42,802	4,923	47,724	268,027
Reformulated	7,823	6,915	-	-	-	14,738	-	35,287	101,566
Reformulated Blended with Fuel Ethanol	7,823	6,915	-	-	-	14,738	-	35,287	101,566
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	10,048	4,316	2,942	9,627	1,131	28,064	4,923	12,437	166,461
Conventional Blended with Fuel Ethanol	10,303	1,334	2,942	10,409	1,175	26,163	6,292	14,180	172,655
Ed55 and Lower	10,298	1,334	2,942	10,397	1,175	26,146	6,280	14,175	172,491
Greater than Ed55	5	-	-	12	-	17	12	5	164
Conventional Other	-255	2,982	0	-782	-44	1,901	-1,369	-1,743	-6,194
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	-	-1	15	-	-	14	38	-8	44
Kerosene	-	-	1	-	-	1	-	9	10
Distillate Fuel Oil	70	107	-16	70	26	257	-22	505	1,409
15 ppm sulfur and under	70	40	-16	70	26	190	-22	497	1,284
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	71
Greater than 500 ppm sulfur	-	67	-	-	-	67	-	8	54
Residual Fuel Oil	-	0	-6	-	-	-6	-	9	-5
Less than 0.31 percent sulfur	-	21	-	-	-	21	-	9	30
0.31 to 1.00 percent sulfur	-	4	-	-	-	4	-	-	6
Greater than 1.00 percent sulfur	-	-25	-6	-	-	-31	-	-	-41
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	6	-	-	6	-	-	26
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	17,941	11,337	2,942	9,697	1,157	43,074	4,939	48,239	269,511
Processing Gain(-) or Loss(+) ¹	0	0	3	1	0	4	1	-5	3

- = 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, May 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	10,588	856	11,444	10,522	2,220	1,776	14,518
Petroleum Products	15,904	2,383	18,287	31,723	7,870	11,628	51,221
Pentanes Plus	—	—	—	71	—	306	377
Liquefied Petroleum Gases	725	17	742	2,826	551	952	4,329
Ethane/Ethylene	—	—	—	—	—	—	—
Propane/Propylene	183	2	185	1,034	74	616	1,724
Normal Butane/Butylene	408	4	412	1,624	412	185	2,221
Isobutane/Isobutylene	134	11	145	168	65	151	384
Oxygenates/Renewable Fuels/Other Hydrocarbons	99	103	202	86	54	33	173
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	99	103	202	58	54	33	145
Fuel Ethanol	99	98	197	37	41	29	107
Renewable Diesel Fuel	—	5	5	21	13	4	38
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	28	—	—	28
Unfinished Oils	4,848	493	5,341	9,045	655	3,896	13,596
Naphthas and Lighter	931	352	1,283	2,468	126	926	3,520
Kerosene and Light Gas Oils	770	—	770	2,021	262	522	2,805
Heavy Gas Oils	2,239	132	2,371	3,317	267	1,595	5,179
Residuum	908	9	917	1,239	—	853	2,092
Motor Gasoline Blending Components (MGBC)	5,165	295	5,460	8,412	1,790	3,500	13,702
Reformulated - RBOB	1,396	—	1,396	1,166	14	—	1,180
Conventional	3,769	295	4,064	7,246	1,776	3,500	12,522
CBOB	1,088	204	1,292	2,841	1,185	2,535	6,561
GTAB	—	—	—	—	—	—	—
Other	2,681	91	2,772	4,405	591	965	5,961
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	43	43	1,159	168	294	1,621
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	43	43	1,159	168	294	1,621
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	43	43	1,159	168	294	1,621
Finished Aviation Gasoline	—	—	—	—	100	—	100
Kerosene-Type Jet Fuel	625	—	625	1,586	270	280	2,136
Kerosene	127	1	128	107	—	18	125
Distillate Fuel Oil	2,293	248	2,541	4,183	1,193	1,541	6,917
15 ppm sulfur and under	1,592	123	1,715	4,020	1,020	1,366	6,406
Greater than 15 ppm to 500 ppm sulfur	39	111	150	—	43	109	152
Greater than 500 ppm sulfur	662	14	676	163	130	66	359
Residual Fuel Oil	613	23	636	785	203	42	1,030
Less than 0.31 percent sulfur	171	21	192	65	59	—	124
0.31 to 1.00 percent sulfur	94	2	96	101	14	—	115
Greater than 1.00 percent sulfur	348	—	348	619	130	42	791
Petrochemical Feedstocks	162	—	162	673	90	—	763
Naphtha for Petro. Feed. Use	162	—	162	518	90	—	608
Other Oils for Petro. Feed. Use	—	—	—	155	—	—	155
Special Naphthas	—	16	16	44	—	20	64
Lubricants	335	134	469	—	—	150	150
Waxes	—	401	401	—	—	47	47
Petroleum Coke	—	—	—	353	426	54	833
Marketable	—	—	—	353	426	54	833
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	898	589	1,487	2,327	2,349	488	5,164
Miscellaneous Products	14	20	34	66	21	7	94
Total Stocks, All Oils	26,492	3,239	29,731	42,245	10,090	13,404	65,739

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, May 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	1,686	26,666	16,971	1,269	360	46,952	2,662	25,691	101,267
Petroleum Products	9,530	58,091	48,980	3,917	1,662	122,180	11,267	53,568	256,523
Pentanes Plus	71	69	323	—	6	469	23	4	873
Liquefied Petroleum Gases	1,685	1,927	4,480	8	51	8,151	430	1,478	15,130
Ethane/Ethylene	184	—	—	—	—	184	—	—	184
Propane/Propylene	769	464	434	2	1	1,670	74	118	3,771
Normal Butane/Butylene	554	1,254	3,046	2	38	4,894	245	912	8,684
Isobutane/Isobutylene	178	209	1,000	4	12	1,403	111	448	2,491
Oxygenates/Renewable Fuels/Other Hydrocarbons	35	69	196	46	12	358	100	348	1,181
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	35	69	196	46	12	358	100	348	1,153
Fuel Ethanol	28	37	62	25	9	161	89	40	594
Renewable Diesel Fuel	7	32	134	21	3	197	11	276	527
Other Renewable Fuels	—	—	—	—	—	—	—	32	32
Other Hydrocarbons	—	—	—	—	—	—	—	—	28
Unfinished Oils	2,827	21,874	15,574	1,040	783	42,098	3,390	22,629	87,054
Naphthas and Lighter	1,317	6,674	2,270	204	231	10,696	853	3,975	20,327
Kerosene and Light Gas Oils	423	3,876	2,208	283	227	7,017	551	4,070	15,213
Heavy Gas Oils	440	9,090	8,955	464	325	19,274	1,520	11,041	39,385
Residuum	647	2,234	2,141	89	—	5,111	466	3,543	12,129
Motor Gasoline Blending Components (MGBC)	2,215	12,137	11,956	268	310	26,886	3,121	13,287	62,456
Reformulated - RBOB	190	1,184	822	—	—	2,196	—	4,858	9,630
Conventional	2,025	10,953	11,134	268	310	24,690	3,121	8,429	52,826
CBOB	867	3,065	5,354	211	82	9,579	1,580	2,315	21,327
GTAB	—	—	—	—	—	—	—	—	—
Other	1,158	7,888	5,780	57	228	15,111	1,541	6,114	31,499
Aviation Gasoline Blending Components	11	—	3	—	—	14	—	—	14
Finished Motor Gasoline	397	1,523	1,231	47	61	3,259	682	767	6,372
Reformulated	—	—	—	—	—	—	—	13	13
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	13	13
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	397	1,523	1,231	47	61	3,259	682	754	6,359
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	57	—	57
Ed55 and Lower	—	—	—	—	—	—	57	—	57
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	397	1,523	1,231	47	61	3,259	625	754	6,302
Finished Aviation Gasoline	47	99	142	—	—	288	4	138	530
Kerosene-Type Jet Fuel	315	3,495	2,250	54	—	6,114	374	4,057	13,306
Kerosene	28	5	84	4	—	121	1	3	378
Distillate Fuel Oil	976	6,946	6,841	378	149	15,290	1,922	5,346	32,016
15 ppm sulfur and under	936	6,443	5,171	271	149	12,970	1,663	4,485	27,239
Greater than 15 ppm to 500 ppm sulfur	31	69	775	6	—	881	202	165	1,550
Greater than 500 ppm sulfur	9	434	895	101	—	1,439	57	696	3,227
Residual Fuel Oil	87	2,235	1,385	65	41	3,813	223	2,515	8,217
Less than 0.31 percent sulfur	5	—	170	—	—	175	33	—	524
0.31 to 1.00 percent sulfur	—	145	85	65	10	305	18	382	916
Greater than 1.00 percent sulfur	82	2,090	1,130	—	31	3,333	172	2,133	6,777
Petrochemical Feedstocks	179	1,818	581	23	—	2,601	—	2	3,528
Naphtha for Petro. Feed. Use	60	1,101	470	23	—	1,654	—	2	2,426
Other Oils for Petro. Feed. Use	119	717	111	—	—	947	—	—	1,102
Special Naphthas	71	601	—	86	—	758	—	48	886
Lubricants	41	1,935	1,524	656	—	4,156	—	533	5,308
Waxes	—	89	101	61	—	251	—	—	699
Petroleum Coke	18	2,816	1,507	—	—	4,341	114	1,548	6,836
Marketable	18	2,816	1,507	—	—	4,341	114	1,548	6,836
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	481	167	699	1,180	231	2,758	859	753	11,021
Miscellaneous Products	46	286	103	1	18	454	24	112	718
Total Stocks, All Oils	11,216	84,757	65,951	5,186	2,022	169,132	13,929	79,259	357,790

— = 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, May 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	5.4	2.0	5.1	6.3	4.2	2.4	5.2
Finished Motor Gasoline ¹	47.4	37.0	46.6	52.0	46.9	48.8	50.6
Finished Aviation Gasoline ²	-	-	-	-	0.4	-	0.1
Kerosene-Type Jet Fuel	8.7	-	8.0	7.6	5.9	3.9	6.5
Kerosene	0.4	-	0.4	0.0	-	0.1	0.0
Distillate Fuel Oil ³	28.6	25.7	28.4	24.4	29.0	38.3	28.2
Residual Fuel Oil	4.6	0.1	4.3	1.5	2.4	0.4	1.4
Naphtha for Petro. Feed. Use	0.3	-	0.3	1.0	0.0	-	0.6
Other Oils for Petro. Feed. Use	-	-	-	0.3	-	0.1	0.2
Special Naphthas	-	0.8	0.1	0.1	-	0.1	0.1
Lubricants	0.7	6.5	1.1	-	-	0.9	0.2
Waxes	-	0.2	0.0	-	-	0.2	0.0
Petroleum Coke	3.2	0.7	3.0	5.5	5.7	3.6	5.1
Asphalt and Road Oil	1.4	22.1	3.0	3.6	8.6	1.8	3.8
Still Gas	3.6	2.1	3.5	3.5	3.9	3.6	3.6
Miscellaneous Products	0.2	1.4	0.3	0.4	0.8	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-4.5	1.5	-4.1	-6.1	-7.9	-4.3	-5.9

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	5.3	6.3	5.4	1.3	1.6	5.6	3.5	3.5	5.1
Finished Motor Gasoline ¹	50.3	41.2	42.1	27.8	50.9	42.0	46.8	47.8	45.2
Finished Aviation Gasoline ²	0.3	0.0	0.1	-	-	0.1	-	0.0	0.1
Kerosene-Type Jet Fuel	6.8	9.6	10.3	2.7	-	9.4	6.1	17.7	9.7
Kerosene	0.1	0.0	0.0	0.0	-	0.0	-	0.0	0.0
Distillate Fuel Oil ³	31.6	31.6	30.9	33.6	43.9	31.5	32.0	20.8	29.1
Residual Fuel Oil	1.4	1.2	3.8	-1.8	0.6	2.2	1.9	4.0	2.4
Naphtha for Petro. Feed. Use	0.7	3.0	1.1	0.1	-	2.0	-	0.0	1.2
Other Oils for Petro. Feed. Use	0.0	1.3	1.3	-	-	1.1	-	-	0.7
Special Naphthas	0.3	0.5	-	3.3	-	0.3	-	0.0	0.2
Lubricants	0.1	1.2	1.3	12.6	-	1.4	-	0.7	1.0
Waxes	-	0.0	0.0	0.3	-	0.0	-	-	0.0
Petroleum Coke	2.0	6.5	5.3	2.0	1.1	5.5	3.7	6.3	5.3
Asphalt and Road Oil	1.2	0.3	0.9	15.3	1.0	0.9	6.4	1.1	1.9
Still Gas	4.0	4.4	3.7	1.6	2.1	4.0	3.6	4.9	4.0
Miscellaneous Products	0.5	0.7	0.5	0.0	1.0	0.6	0.6	0.5	0.6
Processing Gain(-) or Loss(+) ⁴	-4.5	-7.7	-6.6	1.1	-2.3	-6.7	-4.5	-7.3	-6.4

- = 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, May 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	85	1,174	2,146	3,405
Connecticut	-	-	-	-
Delaware	-	235	-	235
Florida	-	241	201	442
Georgia	-	80	-	80
Maine	-	-	-	-
Maryland	-	-	141	141
Massachusetts	-	-	-	-
New Hampshire	-	-	-	-
New Jersey	85	165	1,403	1,653
New York	-	75	-	75
North Carolina	-	-	-	-
Pennsylvania	-	-	255	255
Rhode Island	-	-	-	-
South Carolina	-	378	50	428
Vermont	-	-	2	2
Virginia	-	-	94	94
West Virginia	-	-	-	-
PAD District 2	-	58	-	58
Illinois	-	-	-	-
Indiana	-	-	-	-
Michigan	-	-	-	-
Minnesota	-	58	-	58
North Dakota	-	-	-	-
Ohio	-	-	-	-
Wisconsin	-	-	-	-
PAD District 3	-	302	2,123	2,425
Alabama	-	-	-	-
Louisiana	-	-	-	-
Mississippi	-	-	-	-
New Mexico	-	-	-	-
Texas	-	302	2,123	2,425
PAD District 4	-	-	-	-
Idaho	-	-	-	-
Montana	-	-	-	-
PAD District 5	-	490	1,106	1,596
Alaska	-	-	-	-
California	-	490	880	1,370
Hawaii	-	-	-	-
Oregon	-	-	-	-
Washington	-	-	226	226
U.S. Total	85	2,024	5,375	7,484

- = 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, May 2017
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	29,804	74,815	108,254	7,748	39,701	260,322	8,397
Natural Gas Plant Liquids and Liquefied Refinery Gases	1,373	2,097	657	223	783	5,133	166
Pentanes Plus	—	4	533	—	—	537	17
Liquefied Petroleum Gases	1,373	2,093	124	223	783	4,596	148
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	940	1,302	—	185	657	3,084	99
Propylene	309	332	—	—	—	641	21
Normal Butane	75	166	—	—	94	335	11
Butylene	—	49	124	—	—	173	6
Isobutane	49	244	—	38	32	363	12
Isobutylene	—	—	—	—	—	—	—
Other Liquids	20,355	261	15,837	70	5,579	42,102	1,358
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	510	77	567	5	524	1,683	54
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	221	—	—	221	7
Methyl Tertiary Butyl Ether (MTBE)	—	—	53	—	—	53	2
Other Oxygenates ³	—	—	168	—	—	168	5
Renewable Fuels (including Fuel Ethanol)	510	77	341	5	524	1,457	47
Fuel Ethanol	31	—	—	—	—	31	1
Biomass-Based Diesel Fuel	479	77	341	5	46	948	31
Other Renewable Diesel Fuel	—	—	—	—	478	478	15
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	5	—	—	5	0
Unfinished Oils ¹	1,222	—	12,941	—	3,733	17,896	577
Naphthas and Lighter	452	—	607	—	210	1,269	41
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	770	—	9,319	—	3,233	13,322	430
Residuum	—	—	3,015	—	290	3,305	107
Motor Gasoline Blend.Comp. (MGBC)	18,623	184	2,329	65	1,322	22,523	727
Reformulated - RBOB	7,807	—	—	—	—	7,807	252
Conventional	10,816	184	2,329	65	1,322	14,716	475
CBOB	1,329	—	—	—	506	1,835	59
GTAB	3,910	—	562	—	—	4,472	144
Other	5,577	184	1,767	65	816	8,409	271
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	8,572	739	6,384	173	6,043	21,911	707
Finished Motor Gasoline	709	—	—	—	423	1,132	37
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	709	—	—	—	423	1,132	37
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	709	—	—	—	423	1,132	37
Finished Aviation Gasoline	1	1	—	1	—	3	0
Kerosene-Type Jet Fuel	1,010	—	—	1	2,891	3,902	126
Bonded Aircraft Fuel	296	—	—	—	621	917	30
Other	714	—	—	1	2,270	2,985	96
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	2,262	16	539	134	901	3,852	124
15 ppm sulfur and under	1,670	15	—	134	900	2,719	88
Bonded	—	—	—	—	—	—	—
Other	1,670	15	—	134	900	2,719	88
Greater than 15 ppm to 500 ppm sulfur	44	—	—	—	—	44	1
Bonded	—	—	—	—	—	—	—
Other	44	—	—	—	—	44	1
Greater than 500 ppm to 2000 ppm sulfur	548	1	165	—	1	715	23
Bonded	—	—	—	—	—	—	—
Other	548	1	165	—	1	715	23
Greater than 2000 ppm	—	—	374	—	—	374	12
Bonded	—	—	—	—	—	—	—
Other	—	—	374	—	—	374	12
Residual Fuel Oil	3,405	58	2,425	—	1,596	7,484	241
Less than 0.31 percent sulfur	85	—	—	—	—	85	3
0.31 to 1.00 percent sulfur	1,174	58	302	—	490	2,024	65
Greater than 1.00 percent sulfur	2,146	—	2,123	—	1,106	5,375	173
Petrochemical Feedstocks	—	126	1,848	—	74	2,048	66
Naphtha for Petro. Feed. Use	—	61	938	—	42	1,041	34
Other Oils for Petro. Feed. Use	—	65	910	—	32	1,007	32
Special Naphthas	—	52	326	—	—	378	12
Lubricants	184	229	1,079	—	28	1,520	49
Waxes	90	11	18	—	42	161	5
Petroleum Coke (Marketable)	2	32	149	—	22	205	7
Asphalt and Road Oil	909	214	—	36	66	1,225	40
Miscellaneous Products	—	—	—	1	—	1	0
Total	60,104	77,912	131,132	8,214	52,106	329,468	10,628

— = 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-May 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	130,645	372,285	515,289	42,501	175,428	1,236,148	8,186
Natural Gas Plant Liquids and Liquefied Refinery Gases	8,679	13,586	2,333	1,776	5,246	31,620	209
Pentanes Plus	—	24	1,889	—	—	1,913	13
Liquefied Petroleum Gases	8,679	13,562	444	1,776	5,246	29,707	197
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	6,290	9,747	14	1,628	4,294	21,973	146
Propylene	1,942	1,808	—	—	—	3,750	25
Normal Butane	122	678	—	46	870	1,716	11
Butylene	—	338	430	—	—	768	5
Isobutane	325	991	—	102	82	1,500	10
Isobutylene	—	—	—	—	—	—	—
Other Liquids	93,030	1,346	71,985	130	23,780	190,271	1,260
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	2,103	216	3,294	25	2,259	7,897	52
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	1,898	—	—	1,898	13
Methyl Tertiary Butyl Ether (MTBE)	—	—	1,280	—	—	1,280	8
Other Oxygenates ³	—	—	618	—	—	618	4
Renewable Fuels (including Fuel Ethanol)	2,101	185	1,333	25	2,259	5,903	39
Fuel Ethanol	31	—	771	—	197	999	7
Biomass-Based Diesel Fuel	2,070	185	562	25	227	3,069	20
Other Renewable Diesel Fuel	—	—	—	—	1,835	1,835	12
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	2	31	63	—	—	96	1
Unfinished Oils ¹	11,769	—	61,346	—	16,706	89,821	595
Naphthas and Lighter	2,272	—	1,373	—	451	4,096	27
Kerosene and Lighter Gas Oils	—	—	366	—	—	366	2
Heavy Gas Oils	5,847	—	44,812	—	14,465	65,124	431
Residuum	3,650	—	14,795	—	1,790	20,235	134
Motor Gasoline Blend.Comp. (MGBC)	79,158	1,130	7,345	105	4,815	92,553	613
Reformulated - RBOB	33,357	—	—	—	—	33,357	221
Conventional	45,801	1,130	7,345	105	4,815	59,196	392
CBOB	4,168	253	—	—	2,288	6,709	44
GTAB	12,393	—	704	—	—	13,097	87
Other	29,240	877	6,641	105	2,527	39,390	261
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	49,898	3,693	25,213	584	24,300	103,688	687
Finished Motor Gasoline	5,179	—	—	—	830	6,009	40
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	5,179	—	—	—	830	6,009	40
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	5,179	—	—	—	830	6,009	40
Finished Aviation Gasoline	25	4	—	2	—	31	0
Kerosene-Type Jet Fuel	7,641	5	—	19	14,023	21,688	144
Bonded Aircraft Fuel	1,307	—	—	—	4,464	5,771	38
Other	6,334	5	—	19	9,559	15,917	105
Kerosene	168	—	—	—	—	168	1
Distillate Fuel Oil	19,341	140	1,249	268	1,571	22,569	149
15 ppm sulfur and under	13,372	128	—	268	1,523	15,291	101
Bonded	—	—	—	—	—	—	—
Other	13,372	128	—	268	1,523	15,291	101
Greater than 15 ppm to 500 ppm sulfur	207	—	—	—	—	207	1
Bonded	—	—	—	—	—	—	—
Other	207	—	—	—	—	207	1
Greater than 500 ppm to 2000 ppm sulfur	5,762	1	385	—	48	6,196	41
Bonded	—	—	—	—	—	—	—
Other	5,762	1	385	—	48	6,196	41
Greater than 2000 ppm	—	11	864	—	—	875	6
Bonded	—	—	—	—	—	—	—
Other	—	11	864	—	—	875	6
Residual Fuel Oil	12,244	343	11,051	—	6,852	30,490	202
Less than 0.31 percent sulfur	432	—	1,031	—	—	1,463	10
0.31 to 1.00 percent sulfur	1,754	133	885	—	490	3,262	22
Greater than 1.00 percent sulfur	10,058	210	9,135	—	6,362	25,765	171
Petrochemical Feedstocks	3	686	6,208	—	229	7,126	47
Naphtha for Petro. Feed. Use	3	365	4,390	—	197	4,955	33
Other Oils for Petro. Feed. Use	—	321	1,818	—	32	2,171	14
Special Naphthas	—	216	1,741	—	—	1,957	13
Lubricants	983	1,046	4,118	—	84	6,231	41
Waxes	347	27	151	—	160	685	5
Petroleum Coke (Marketable)	205	138	695	—	131	1,169	8
Asphalt and Road Oil	3,762	1,088	—	290	420	5,560	37
Miscellaneous Products	—	—	—	5	—	5	0
Total	282,252	390,910	614,820	44,991	228,754	1,561,727	10,343

— = 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, May 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	105,952	-	-	4,575	-	-	-	-	656	656
Algeria	2,697	-	-	3,375	-	-	-	-	-	-
Angola	3,241	-	-	-	-	-	-	-	-	-
Ecuador	7,125	-	-	-	-	-	-	-	-	-
Equatorial Guinea	647	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	91	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	19,202	-	-	-	-	-	-	-	-	-
Kuwait	5,390	-	-	-	-	-	-	-	-	-
Libya	2,086	-	-	290	-	-	-	-	-	-
Nigeria	8,699	-	-	130	-	-	-	-	279	279
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	33,883	-	-	501	-	-	-	-	-	-
United Arab Emirates	1,029	-	-	-	-	-	-	-	-	-
Venezuela	21,953	-	-	188	-	-	-	-	377	377
Non-OPEC	154,370	537	4,596	13,321	-	1,132	1,132	7,807	14,060	21,867
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	573	-	211	211	638	393	1,031
Brazil	3,777	-	-	51	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	110,631	4	3,994	-	-	316	316	4,348	2,276	6,624
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	11,722	-	-	-	-	-	-	-	417	417
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	60	60
Egypt	1,000	-	-	-	-	-	-	-	193	193
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	98	-	88	88	-	467	467
Germany	-	-	-	55	-	2	2	-	25	25
Guatemala	255	-	-	-	-	-	-	-	-	-
India	-	-	-	529	-	-	-	-	2,412	2,412
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	28	-	-	-	-	436	436
Korea, South	-	-	-	-	-	119	119	-	1,136	1,136
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	75	75
Mexico	20,745	300	-	-	-	-	-	-	478	478
Netherlands	-	-	-	308	-	225	225	-	993	993
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	419	1,131	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	17	17	559	557	1,116
Russia	2,625	-	-	8,547	-	121	121	-	966	966
Spain	-	-	-	517	-	-	-	-	1,313	1,313
Sweden	-	-	-	300	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,000	-	59	165	-	-	-	-	123	123
United Kingdom	1,040	233	-	119	-	33	33	2,262	1,419	3,681
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,575	0	124	900	-	0	0	0	321	321
Total	260,322	537	4,596	17,896	-	1,132	1,132	7,807	14,716	22,523
Persian Gulf³	59,504	-	-	501	-	-	-	-	-	-

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 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	-	-	-	-	-	-	-	-	100	-	100
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	100	-	100
Non-OPEC	53	168	31	948	478	-	2,719	44	615	374	3,752
Argentina	-	-	-	776	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	260	260
Brazil	53	168	31	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	172	-	-	2,146	44	450	-	2,640
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	168	-	-	-	168
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	114	114
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	328	-	-	-	328
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	165	-	165
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	478	-	77	0	0	0	77
Total	53	168	31	948	478	-	2,719	44	715	374	3,852
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, May 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	—	—	—	530	—	—	310	478	788
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	1	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	310	—	310
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	529	—	—	—	478	478
Non-OPEC	—	3	—	3,372	378	85	1,714	4,897	6,696
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3	—	429	137	85	58	1,140	1,283
Chad	—	—	—	6	—	—	—	—	—
China	—	—	—	50	—	—	—	—	—
Colombia	—	—	—	—	—	—	406	89	495
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	2,581	63	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	34	—	709	2,542	3,251
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	321	641	962
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	306	144	0	220	485	705
Total	—	3	—	3,902	378	85	2,024	5,375	7,484
Persian Gulf³	—	—	—	1	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 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	—	—	—	—	139	222	—	7,010	112,962	3,418	226	3,644
Algeria	—	—	—	—	—	—	—	3,375	6,072	87	109	196
Angola	—	—	—	—	—	—	—	—	3,241	105	—	105
Ecuador	—	—	—	—	—	—	—	—	7,125	230	—	230
Equatorial Guinea	—	—	—	—	—	—	—	—	647	21	—	21
Gabon	—	—	—	—	—	—	—	91	91	—	3	3
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	1	19,203	619	0	619
Kuwait	—	—	—	—	—	—	—	—	5,390	174	—	174
Libya	—	—	—	—	—	—	—	600	2,686	67	19	87
Nigeria	—	—	—	—	—	—	—	409	9,108	281	13	294
Qatar	—	—	—	—	—	99	—	99	99	—	3	3
Saudi Arabia	—	—	—	—	—	—	—	501	34,384	1,093	16	1,109
United Arab Emirates	—	—	—	—	—	123	—	123	1,152	33	4	37
Venezuela	—	—	—	—	139	—	—	1,811	23,764	708	58	767
Non-OPEC	1,041	1,007	161	205	1,086	1,298	1	62,136	216,506	4,980	2,004	6,984
Argentina	—	43	—	141	—	3	—	963	963	—	31	31
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	7	—	2,082	2,082	—	67	67
Brazil	—	—	—	—	—	—	—	303	4,080	122	10	132
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	61	65	73	54	993	334	1	17,183	127,814	3,569	554	4,123
Chad	—	—	—	—	—	—	—	6	6	—	0	0
China	—	—	79	—	—	—	—	297	297	—	10	10
Colombia	501	—	—	—	—	—	—	1,413	13,135	378	46	424
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	60	60	—	2	2
Egypt	—	—	—	—	—	—	—	193	1,193	32	6	38
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	32	—	—	—	5	—	690	690	—	22	22
Germany	—	—	—	—	—	11	—	93	93	—	3	3
Guatemala	—	—	—	—	—	—	—	—	255	8	—	8
India	—	—	—	—	—	—	—	3,055	3,055	—	99	99
Indonesia	—	—	—	—	—	166	—	166	166	—	5	5
Italy	—	—	—	—	—	38	—	503	503	—	16	16
Korea, South	—	—	—	—	—	657	—	4,884	4,884	—	158	158
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	7	—	—	—	—	82	82	—	3	3
Mexico	301	—	—	—	—	—	—	4,364	25,109	669	141	810
Netherlands	—	—	—	—	—	—	—	1,526	1,526	—	49	49
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	709	—	—	—	—	—	2,259	2,259	—	73	73
Oman	—	—	—	—	—	65	—	65	65	—	2	2
Portugal	—	—	—	—	—	—	—	1,133	1,133	—	37	37
Russia	—	—	—	—	—	1	—	9,800	12,425	85	316	401
Spain	—	—	1	—	—	—	—	1,831	1,831	—	59	59
Sweden	—	—	—	1	—	1	—	302	302	—	10	10
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,309	2,309	32	42	74
United Kingdom	50	—	—	8	—	10	—	4,134	5,174	34	133	167
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	128	158	1	1	93	0	0	3,440	5,015	51	110	161
Total	1,041	1,007	161	205	1,225	1,520	1	69,146	329,468	8,397	2,231	10,628
Persian Gulf³	—	—	—	—	—	222	—	724	60,228	1,919	23	1,943

— = 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-May 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	515,184	—	—	23,149	—	—	—	—	4,683	4,683
Algeria	11,512	—	—	18,552	—	—	—	—	—	—
Angola	11,120	—	—	740	—	—	—	—	287	287
Ecuador	32,777	—	—	—	—	—	—	—	—	—
Equatorial Guinea	647	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	91	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	90,591	—	—	607	—	—	—	—	—	—
Kuwait	25,490	—	—	—	—	—	—	—	—	—
Libya	4,827	—	—	1,410	—	—	—	—	—	—
Nigeria	43,831	—	—	280	—	—	—	—	2,068	2,068
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	183,973	—	—	501	—	—	—	—	—	—
United Arab Emirates	1,555	—	—	591	—	—	—	—	—	—
Venezuela	108,861	—	—	377	—	—	—	—	2,328	2,328
Non-OPEC	720,964	1,913	29,707	66,672	—	6,009	6,009	33,357	54,513	87,870
Argentina	—	—	—	—	—	—	—	—	426	426
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	5,136	—	837	837	638	2,174	2,812
Brazil	27,730	—	—	296	—	—	—	—	14	14
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	219	—	—	—	—	—	—
Canada	527,342	24	28,017	1,639	—	2,156	2,156	16,932	10,761	27,693
Chad	1,853	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	53,641	—	—	104	—	—	—	—	1,456	1,456
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	46	—	9	9	10	114	124
Egypt	1,487	—	—	—	—	—	—	—	193	193
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	56	—	—	—	—	1,222	1,222
France	—	—	—	445	—	88	88	2,663	861	3,524
Germany	—	—	—	294	—	116	116	50	66	116
Guatemala	1,328	—	—	—	—	—	—	—	—	—
India	—	—	—	2,393	—	8	8	529	5,481	6,010
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	170	—	327	327	85	1,449	1,534
Korea, South	—	—	—	—	—	119	119	—	2,459	2,459
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	810	810
Malaysia	—	—	—	—	—	—	—	—	175	175
Mexico	90,095	600	105	—	—	—	—	—	859	859
Netherlands	—	—	—	2,814	—	399	399	1,374	3,561	4,935
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	2,049	396	419	3,367	—	236	236	975	1,518	2,493
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	307	307	782	2,057	2,839
Russia	4,939	—	—	40,399	—	157	157	195	5,676	5,871
Spain	—	—	—	1,051	—	114	114	86	5,782	5,868
Sweden	—	—	511	597	—	167	167	128	862	990
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	1,362	—	330	864	—	2	2	—	510	510
United Kingdom	3,871	233	—	745	—	967	967	8,910	4,220	13,130
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	159	—	—	—	—	—	—	—	—	—
Other	5,108	660	325	6,037	—	0	0	0	1,807	1,807
Total	1,236,148	1,913	29,707	89,821	—	6,009	6,009	33,357	59,196	92,553
Persian Gulf³	301,609	—	—	1,699	—	—	—	—	—	—

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-May 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	-	-	-	-	-	-	-	-	169	-	169
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	169	-	169
Non-OPEC	1,280	618	999	3,069	1,835	-	15,291	207	6,027	875	22,400
Argentina	127	-	-	2,446	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	197	-	-	-	-	-	-	-	-	260	260
Brazil	94	618	999	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	623	-	-	12,277	207	5,121	11	17,616
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	172	-	-	-	172
Colombia	-	-	-	-	-	-	183	-	70	-	253
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	115	115
Germany	135	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	2,254	-	-	114	2,368
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	328	-	-	-	328
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	100	-	100
Netherlands	727	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	385	375	760
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	351	-	351
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	1,835	-	77	0	0	0	77
Total	1,280	618	999	3,069	1,835	-	15,291	207	6,196	875	22,569
Persian Gulf ³	-	-	-	-	-	-	-	-	-	-	-

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-May 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	—	—	—	2,095	37	922	310	2,399	3,631
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	14	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	310	—	310
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	8	37	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	2,073	—	575	—	2,399	2,974
Non-OPEC	168	31	—	19,593	1,920	541	2,952	23,366	26,859
Argentina	—	—	—	—	—	456	—	—	456
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	43	—	—	—	351	351
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	105	105
Brazil	—	—	—	13	20	—	298	—	298
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	11	—	2,308	649	85	209	4,592	4,886
Chad	—	—	—	6	—	—	—	—	—
China	168	—	—	1,421	—	—	—	—	—
Colombia	—	—	—	—	—	—	406	1,256	1,662
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	41	—	—	—	—
Germany	—	—	—	—	36	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	787	—	—	—	1	1
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	346	346
Korea, South	—	—	—	13,106	310	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	334	—	709	10,387	11,096
Netherlands	—	20	—	—	14	—	—	370	370
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	14	—	—	—	—
Russia	—	—	—	32	—	—	49	870	919
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	270	270
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	321	2,358	2,679
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	1,877	502	0	960	2,460	3,420
Total	168	31	—	21,688	1,957	1,463	3,262	25,765	30,490
Persian Gulf ³	—	—	—	22	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-May 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	421	906	-	35,283	550,467	3,412	234	3,645
Algeria	-	-	-	-	-	-	-	18,899	30,411	76	125	201
Angola	-	-	-	-	-	-	-	1,027	12,147	74	7	80
Ecuador	-	-	-	-	-	-	-	-	32,777	217	-	217
Equatorial Guinea	-	-	-	-	-	-	-	-	647	4	-	4
Gabon	-	-	-	-	-	-	-	91	91	-	1	1
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	621	91,212	600	4	604
Kuwait	-	-	-	-	-	-	-	-	25,490	169	-	169
Libya	-	-	-	-	-	-	-	1,720	6,547	32	11	43
Nigeria	-	-	-	-	-	-	-	2,348	46,179	290	16	306
Qatar	-	-	-	-	-	640	-	640	640	-	4	4
Saudi Arabia	-	-	-	-	-	-	-	546	184,519	1,218	4	1,222
United Arab Emirates	-	-	-	-	-	266	-	857	2,412	10	6	16
Venezuela	-	-	-	192	421	-	-	8,534	117,395	721	57	777
Non-OPEC	4,955	2,171	685	977	5,139	5,325	5	290,296	1,011,260	4,775	1,922	6,697
Argentina	-	223	-	524	-	10	-	4,212	4,212	-	28	28
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	394	394	-	3	3
Bahrain	-	-	-	-	-	373	-	373	373	-	2	2
Belgium	-	-	-	-	-	34	-	9,381	9,381	-	62	62
Brazil	-	-	21	-	-	-	-	2,373	30,103	184	16	199
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	219	219	-	1	1
Canada	365	321	286	268	4,431	1,630	5	92,959	620,301	3,492	616	4,108
Chad	-	-	-	-	-	-	-	6	1,859	12	0	12
China	-	-	238	-	-	-	-	1,999	1,999	-	13	13
Colombia	921	-	-	-	-	-	-	4,396	58,037	355	29	384
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	179	179	-	1	1
Egypt	-	-	-	-	-	-	-	193	1,680	10	1	11
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	4	-	1,282	1,282	-	8	8
France	-	115	-	-	-	96	-	4,424	4,424	-	29	29
Germany	-	-	16	-	-	1	227	949	949	-	6	6
Guatemala	-	-	-	-	-	-	-	-	1,328	9	-	9
India	-	-	-	-	-	-	-	11,567	11,567	-	77	77
Indonesia	-	-	-	-	-	442	-	442	442	-	3	3
Italy	-	-	-	-	-	136	-	2,520	2,520	-	17	17
Korea, South	36	-	-	-	-	2,142	-	18,500	18,500	-	123	123
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	810	810	-	5	5
Malaysia	-	-	66	-	70	12	-	323	323	-	2	2
Mexico	1,470	-	-	-	-	-	-	14,564	104,659	597	96	693
Netherlands	151	-	1	-	-	-	-	9,468	9,468	-	63	63
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	1,354	-	-	-	-	-	8,265	10,314	14	55	68
Oman	-	-	-	-	-	65	-	65	65	-	0	0
Portugal	-	-	-	-	-	-	-	3,160	3,160	-	21	21
Russia	-	-	-	-	-	26	-	48,166	53,105	33	319	352
Spain	-	-	5	-	544	-	-	7,582	7,582	-	50	50
Sweden	-	-	-	7	-	10	-	2,552	2,552	-	17	17
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	4,736	6,098	9	31	40
United Kingdom	426	-	-	171	-	80	-	15,752	19,623	26	104	130
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	159	1	-	1
Other	1,586	158	52	7	93	38	0	18,485	23,593	33	124	159
Total	4,955	2,171	685	1,169	5,560	6,231	5	325,579	1,561,727	8,186	2,156	10,343
Persian Gulf³	-	-	-	-	-	1,279	-	3,037	304,646	1,997	20	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, May 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	17,315	-	-	520	-	-	-	-	596	596
Algeria	1,641	-	-	390	-	-	-	-	-	-
Angola	2,242	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	1,615	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	1,085	-	-	-	-	-	-	-	-	-
Nigeria	8,699	-	-	130	-	-	-	-	279	279
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,520	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	513	-	-	-	-	-	-	-	317	317
Non-OPEC	12,489	-	1,373	702	-	709	709	7,807	10,220	18,027
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	211	211	638	393	1,031
Brazil	1,492	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	8,080	-	954	-	-	289	289	4,348	1,453	5,801
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	998	-	-	-	-	-	-	-	199	199
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	60	60
Egypt	1,000	-	-	-	-	-	-	-	193	193
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	404	404
Germany	-	-	-	55	-	2	2	-	25	25
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	1,393	1,393
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	92	92
Korea, South	-	-	-	-	-	-	-	-	976	976
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	75	75
Mexico	199	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	136	-	182	182	-	678	678
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	419	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	17	17	559	557	1,116
Russia	720	-	-	-	-	-	-	-	966	966
Spain	-	-	-	322	-	-	-	-	1,313	1,313
Sweden	-	-	-	104	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	85	-	8	8	2,262	1,280	3,542
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	0	-	0	0	0	163	163
Total	29,804	-	1,373	1,222	-	709	709	7,807	10,816	18,623
Persian Gulf³	3,135	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	-	-	-	-	100	-	100
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	100	-	100
Non-OPEC	-	-	31	479	-	-	1,670	44	448	-	2,162
Argentina	-	-	-	435	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	31	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	44	-	-	1,670	44	448	-	2,162
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
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	-	-	31	479	-	-	1,670	44	548	-	2,262
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	529	-	-	310	478	788
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	310	-	310
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	529	-	-	-	478	478
Non-OPEC	-	1	-	481	-	85	864	1,668	2,617
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	1	-	429	-	85	-	914	999
Chad	-	-	-	6	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	406	89	495
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	46	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	137	4	141
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	321	641	962
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	-	0	0	20	20
Total	-	1	-	1,010	-	85	1,174	2,146	3,405
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	139	36	-	2,708	20,023	559	87	646
Algeria	-	-	-	-	-	-	-	390	2,031	53	13	66
Angola	-	-	-	-	-	-	-	-	2,242	72	-	72
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	1,615	52	-	52
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	310	1,395	35	10	45
Nigeria	-	-	-	-	-	-	-	409	9,108	281	13	294
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	1,520	49	-	49
United Arab Emirates	-	-	-	-	-	36	-	36	36	-	1	1
Venezuela	-	-	-	-	139	-	-	1,563	2,076	17	50	67
Non-OPEC	-	-	90	2	770	148	-	27,592	40,081	403	890	1,293
Argentina	-	-	-	-	-	2	-	437	437	-	14	14
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	1	-	1,243	1,243	-	40	40
Brazil	-	-	-	-	-	-	-	31	1,523	48	1	49
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	62	1	701	98	-	11,541	19,621	261	372	633
Chad	-	-	-	-	-	-	-	6	6	-	0	0
China	-	-	25	-	-	-	-	25	25	-	1	1
Colombia	-	-	-	-	-	-	-	694	1,692	32	22	55
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	60	60	-	2	2
Egypt	-	-	-	-	-	-	-	193	1,193	32	6	38
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	5	-	409	409	-	13	13
Germany	-	-	-	-	-	7	-	89	89	-	3	3
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	1,393	1,393	-	45	45
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	4	-	96	96	-	3	3
Korea, South	-	-	-	-	-	30	-	1,052	1,052	-	34	34
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	1	-	-	-	-	76	76	-	2	2
Mexico	-	-	-	-	-	-	-	141	340	6	5	11
Netherlands	-	-	-	-	-	-	-	996	996	-	32	32
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	419	419	-	14	14
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	1,133	1,133	-	37	37
Russia	-	-	-	-	-	1	-	967	1,687	23	31	54
Spain	-	-	1	-	-	-	-	1,636	1,636	-	53	53
Sweden	-	-	-	-	-	-	-	104	104	-	3	3
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	962	962	-	31	31
United Kingdom	-	-	-	-	-	-	-	3,635	3,635	-	117	117
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	1	1	69	0	-	254	254	1	9	9
Total	-	-	90	2	909	184	-	30,300	60,104	961	977	1,939
Persian Gulf³	-	-	-	-	-	36	-	36	3,171	101	1	102

- = 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, May 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	522	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	522	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	74,293	4	2,093	-	-	-	-	-	184	184
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	74,293	4	2,093	-	-	-	-	-	184	184
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
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	74,815	4	2,093	-	-	-	-	-	184	184
Persian Gulf³	522	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	77	-	-	15	-	1	-	16
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	77	-	-	15	-	1	-	16
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	77	-	-	15	-	1	-	16
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1	-	-	52	-	58	-	58
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	1	-	-	52	-	58	-	58
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
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	-	1	-	-	52	-	58	-	58
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	-	-	-	-	522	17	-	17
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	522	17	-	17
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	61	65	11	32	214	229	-	3,097	77,390	2,397	100	2,496
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	61	65	11	31	214	228	-	3,095	77,388	2,397	100	2,496
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
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	-	2	2	-	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	61	65	11	32	214	229	-	3,097	77,912	2,413	100	2,513
Persian Gulf³	-	-	-	-	-	-	-	-	522	17	-	17

- = 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, May 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	65,397	-	-	3,017	-	-	-	-	60	60
Algeria	1,056	-	-	2,237	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	647	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	91	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	15,249	-	-	-	-	-	-	-	-	-
Kuwait	4,269	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	22,736	-	-	501	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	21,440	-	-	188	-	-	-	-	60	60
Non-OPEC	42,857	533	124	9,924	-	-	-	-	2,269	2,269
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	573	-	-	-	-	-	-
Brazil	1,669	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	12,689	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	6,332	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	98	-	-	-	-	63	63
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	255	-	-	-	-	-	-	-	-	-
India	-	-	-	354	-	-	-	-	1,019	1,019
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	28	-	-	-	-	344	344
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	19,370	300	-	-	-	-	-	-	478	478
Netherlands	-	-	-	172	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	1,131	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	6,725	-	-	-	-	-	-
Spain	-	-	-	195	-	-	-	-	-	-
Sweden	-	-	-	196	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	450	-	-	165	-	-	-	-	123	123
United Kingdom	1,040	233	-	34	-	-	-	-	139	139
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,052	0	124	253	-	-	-	-	103	103
Total	108,254	533	124	12,941	-	-	-	-	2,329	2,329
Persian Gulf³	42,254	-	-	501	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	53	168	-	341	-	-	-	-	165	374	539
Argentina	-	-	-	341	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	260	260
Brazil	53	168	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	114	114
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	165	-	165
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	-	-	0	0	0
Total	53	168	-	341	-	-	-	-	165	374	539
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	326	-	302	2,123	2,425
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	85	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	63	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	34	-	302	2,123	2,425
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	144	-	0	0	0
Total	-	-	-	-	326	-	302	2,123	2,425
Persian Gulf³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	—	—	—	—	—	186	—	3,263	68,660	2,110	105	2,215
Algeria	—	—	—	—	—	—	—	2,237	3,293	34	72	106
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	647	21	—	21
Gabon	—	—	—	—	—	—	—	91	91	—	3	3
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	15,249	492	—	492
Kuwait	—	—	—	—	—	—	—	—	4,269	138	—	138
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	99	—	99	99	—	3	3
Saudi Arabia	—	—	—	—	—	—	—	501	23,237	733	16	750
United Arab Emirates	—	—	—	—	—	87	—	87	87	—	3	3
Venezuela	—	—	—	—	—	—	—	248	21,688	692	8	700
Non-OPEC	938	910	18	149	—	893	—	19,615	62,472	1,382	633	2,015
Argentina	—	43	—	141	—	1	—	526	526	—	17	17
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	6	—	839	839	—	27	27
Brazil	—	—	—	—	—	—	—	221	1,890	54	7	61
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	85	12,774	409	3	412
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	12	—	—	—	—	12	12	—	0	0
Colombia	501	—	—	—	—	—	—	501	6,833	204	16	220
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	161	161	—	5	5
Germany	—	—	—	—	—	4	—	4	4	—	0	0
Guatemala	—	—	—	—	—	—	—	—	255	8	—	8
India	—	—	—	—	—	—	—	1,487	1,487	—	48	48
Indonesia	—	—	—	—	—	166	—	166	166	—	5	5
Italy	—	—	—	—	—	34	—	407	407	—	13	13
Korea, South	—	—	—	—	—	607	—	670	670	—	22	22
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	6	—	—	—	—	6	6	—	0	0
Mexico	301	—	—	—	—	—	—	3,538	22,908	625	114	739
Netherlands	—	—	—	—	—	—	—	172	172	—	6	6
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	709	—	—	—	—	—	1,840	1,840	—	59	59
Oman	—	—	—	—	—	65	—	65	65	—	2	2
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	6,890	6,890	—	222	222
Spain	—	—	—	—	—	—	—	195	195	—	6	6
Sweden	—	—	—	—	—	—	—	196	196	—	6	6
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	288	738	15	9	24
United Kingdom	50	—	—	8	—	10	—	474	1,514	34	15	49
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	86	158	0	0	—	0	—	872	1,924	33	31	64
Total	938	910	18	149	—	1,079	—	22,878	131,132	3,492	738	4,230
Persian Gulf³	—	—	—	—	—	186	—	687	42,941	1,363	22	1,385

— = 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, May 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	7,748	-	223	-	-	-	-	-	65	65
Canada	7,748	-	223	-	-	-	-	-	65	65
Other	0	-	0	-	-	-	-	-	0	0
Total	7,748	-	223	-	-	-	-	-	65	65
PAD District 5										
OPEC	22,718	-	-	1,038	-	-	-	-	-	-
Algeria	-	-	-	748	-	-	-	-	-	-
Angola	999	-	-	-	-	-	-	-	-	-
Ecuador	7,125	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	2,338	-	-	-	-	-	-	-	-	-
Kuwait	1,121	-	-	-	-	-	-	-	-	-
Libya	1,001	-	-	290	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	9,105	-	-	-	-	-	-	-	-	-
United Arab Emirates	1,029	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	16,983	-	783	2,695	-	423	423	-	1,322	1,322
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	616	-	-	51	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	7,821	-	724	-	-	27	27	-	574	574
China	-	-	-	-	-	-	-	-	-	-
Colombia	4,392	-	-	-	-	-	-	-	218	218
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	55	55
Korea, South	-	-	-	-	-	119	119	-	160	160
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,176	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	43	43	-	315	315
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	508	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	25	25	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	2,978	-	59	2,136	-	209	209	-	0	0
Total	39,701	-	783	3,733	-	423	423	-	1,322	1,322
Persian Gulf³	13,593	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	5	-	-	134	-	-	-	134
Canada	-	-	-	5	-	-	134	-	-	-	134
Other	-	-	-	0	-	-	0	-	-	-	0
Total	-	-	-	5	-	-	134	-	-	-	134
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	46	478	-	900	-	1	-	901
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	46	-	-	327	-	1	-	328
China	-	-	-	-	-	-	168	-	-	-	168
Colombia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	77	-	-	-	77
Korea, South	-	-	-	-	-	-	328	-	-	-	328
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	478	-	0	-	0	-	0
Total	-	-	-	46	478	-	900	-	1	-	901
Persian Gulf ³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	1	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	1	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1	-	-	-	-	-	-	-
Canada	-	1	-	-	-	-	-	-	-
Other	-	0	-	0	-	-	-	-	-
Total	-	1	-	1	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	2,891	-	-	490	1,106	1,596
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	226	226
China	-	-	-	50	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	306	-	-	-	-	-
Korea, South	-	-	-	2,535	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	270	415	685
Netherlands	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	220	139	359
Singapore	-	-	-	-	-	-	-	326	326
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0
Total	-	-	-	2,891	-	-	490	1,106	1,596
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 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	-	-	-	-	-	-	-	1	1	-	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	1	1	-	0	0
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	36	-	1	465	8,213	250	15	265
Canada	-	-	-	-	36	-	1	465	8,213	250	15	265
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	36	-	1	466	8,214	250	15	265
PAD District 5												
OPEC	-	-	-	-	-	-	-	1,038	23,756	733	33	766
Algeria	-	-	-	-	-	-	-	748	748	-	24	24
Angola	-	-	-	-	-	-	-	-	999	32	-	32
Ecuador	-	-	-	-	-	-	-	-	7,125	230	-	230
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	2,338	75	-	75
Kuwait	-	-	-	-	-	-	-	-	1,121	36	-	36
Libya	-	-	-	-	-	-	-	290	1,291	32	9	42
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	9,105	294	-	294
United Arab Emirates	-	-	-	-	-	-	-	-	1,029	33	-	33
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	42	32	42	22	66	28	-	11,367	28,350	548	367	915
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	51	667	20	2	22
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	22	42	8	-	1,997	9,818	252	64	317
China	-	-	42	-	-	-	-	260	260	-	8	8
Colombia	-	-	-	-	-	-	-	218	4,610	142	7	149
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	438	438	-	14	14
Korea, South	-	-	-	-	-	20	-	3,162	3,162	-	102	102
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	685	1,861	38	22	60
Netherlands	-	-	-	-	-	-	-	358	358	-	12	12
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	867	867	-	28	28
Singapore	-	-	-	-	-	-	-	804	804	-	26	26
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	42	-	-	-	-	-	-	42	42	-	1	1
United Kingdom	-	-	-	-	-	-	-	25	25	-	1	1
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	32	0	0	24	0	-	2,460	5,438	96	80	175
Total	42	32	42	22	66	28	-	12,405	52,106	1,281	400	1,681
Persian Gulf ³	-	-	-	-	-	-	-	-	13,593	438	-	438

- = 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-May 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	79,843	-	-	4,354	-	-	-	-	4,394	4,394
Algeria	6,443	-	-	4,074	-	-	-	-	-	-
Angola	7,260	-	-	-	-	-	-	-	287	287
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	9,751	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	2,130	-	-	-	-	-	-	-	-	-
Nigeria	38,370	-	-	280	-	-	-	-	2,068	2,068
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	11,922	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	3,967	-	-	-	-	-	-	-	2,039	2,039
Non-OPEC	50,802	-	8,679	7,415	-	5,179	5,179	33,357	41,407	74,764
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	714	-	837	837	638	1,342	1,980
Brazil	7,837	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	30,412	-	7,749	194	-	1,722	1,722	16,932	7,283	24,215
Chad	951	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	5,943	-	-	104	-	-	-	-	1,010	1,010
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	9	9	10	114	124
Egypt	1,487	-	-	-	-	-	-	-	193	193
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	1,222	1,222
France	-	-	-	-	-	-	-	2,663	723	3,386
Germany	-	-	-	75	-	116	116	50	66	116
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	8	8	529	4,462	4,991
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	327	327	85	823	908
Korea, South	-	-	-	-	-	-	-	-	1,461	1,461
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	495	495
Malaysia	-	-	-	-	-	-	-	-	175	175
Mexico	397	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	744	-	356	356	1,374	2,526	3,900
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	2,049	-	419	-	-	236	236	975	1,496	2,471
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	307	307	782	2,057	2,839
Russia	720	-	-	3,221	-	36	36	195	5,676	5,871
Spain	-	-	-	856	-	114	114	86	4,732	4,818
Sweden	-	-	511	327	-	167	167	128	862	990
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	2	2	-	240	240
United Kingdom	645	-	-	271	-	942	942	8,910	3,213	12,123
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	361	-	0	909	-	0	0	0	1,236	1,236
Total	130,645	-	8,679	11,769	-	5,179	5,179	33,357	45,801	79,158
Persian Gulf³	21,673	-	-	-	-	-	-	-	-	-

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-May 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	-	-	-	-	-	-	-	-	169	-	169
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	169	-	169
Non-OPEC	-	-	31	2,070	-	-	13,372	207	5,593	-	19,172
Argentina	-	-	-	1,884	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	31	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	186	-	-	10,931	207	5,072	-	16,210
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	4	-	-	-	4
Colombia	-	-	-	-	-	-	183	-	70	-	253
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	351	-	351
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	0	-	-	0	0	0	-	0
Total	-	-	31	2,070	-	-	13,372	207	5,762	-	19,341
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-May 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	—	—	—	2,070	—	347	310	1,400	2,057
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	3	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	310	—	310
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	2,067	—	—	—	1,400	1,400
Non-OPEC	168	25	—	5,571	—	85	1,444	8,658	10,187
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	43	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	13	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	5	—	2,308	—	85	76	3,528	3,689
Chad	—	—	—	6	—	—	—	—	—
China	168	—	—	262	—	—	—	—	—
Colombia	—	—	—	—	—	—	406	1,256	1,662
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	787	—	—	—	1	1
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	2,152	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	137	784	921
Netherlands	—	20	—	—	—	—	—	109	109
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	49	4	53
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	270	270
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	321	2,358	2,679
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	—	0	455	348	803
Total	168	25	—	7,641	—	432	1,754	10,058	12,244
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-May 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	421	66	—	13,723	93,566	529	91	620
Algeria	—	—	—	—	—	—	—	4,421	10,864	43	29	72
Angola	—	—	—	—	—	—	—	287	7,547	48	2	50
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	3	9,754	65	0	65
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	310	2,440	14	2	16
Nigeria	—	—	—	—	—	—	—	2,348	40,718	254	16	270
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	11,922	79	—	79
United Arab Emirates	—	—	—	—	—	66	—	66	66	—	0	0
Venezuela	—	—	—	192	421	—	—	6,288	10,255	26	42	68
Non-OPEC	3	—	347	13	3,341	917	—	137,884	188,686	336	913	1,250
Argentina	—	—	—	—	—	6	—	1,890	1,890	—	13	13
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	43	43	—	0	0
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	14	—	3,545	3,545	—	23	23
Brazil	—	—	21	—	—	—	—	65	7,902	52	0	52
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	258	6	2,727	553	—	59,822	90,234	201	396	598
Chad	—	—	—	—	—	—	—	6	957	6	0	6
China	—	—	37	—	—	—	—	471	471	—	3	3
Colombia	—	—	—	—	—	—	—	3,029	8,972	39	20	59
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	133	133	—	1	1
Egypt	—	—	—	—	—	—	—	193	1,680	10	1	11
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	1,222	1,222	—	8	8
France	—	—	—	—	—	26	—	3,412	3,412	—	23	23
Germany	—	—	16	—	1	33	—	357	357	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	8,041	8,041	—	53	53
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	8	—	1,243	1,243	—	8	8
Korea, South	—	—	—	—	—	249	—	3,862	3,862	—	26	26
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	495	495	—	3	3
Malaysia	—	—	2	—	—	—	—	177	177	—	1	1
Mexico	—	—	—	—	—	—	—	1,021	1,418	3	7	9
Netherlands	—	—	1	—	—	—	—	5,130	5,130	—	34	34
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	3,126	5,175	14	21	34
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	3,146	3,146	—	21	21
Russia	—	—	—	—	—	19	—	9,202	9,922	5	61	66
Spain	—	—	5	—	544	—	—	6,337	6,337	—	42	42
Sweden	—	—	—	—	—	9	—	2,274	2,274	—	15	15
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	3,272	3,272	—	22	22
United Kingdom	3	—	—	—	—	—	—	13,339	13,984	4	88	93
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	7	7	69	0	—	3,031	3,392	2	21	24
Total	3	—	347	205	3,762	983	—	151,607	282,252	865	1,004	1,869
Persian Gulf³	—	—	—	—	—	66	—	69	21,742	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-May 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	8,726	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	8,675	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	51	-	-	-	-	-	-	-	-	-
Non-OPEC	363,559	24	13,562	-	-	-	-	-	1,130	1,130
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	363,061	24	13,562	-	-	-	-	-	1,130	1,130
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	498	-	-	-	-	-	-	-	-	-
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	372,285	24	13,562	-	-	-	-	-	1,130	1,130
Persian Gulf³	8,675	-	-	-	-	-	-	-	-	-

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-May 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	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	185	-	-	128	-	1	11	140
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	185	-	-	128	-	1	11	140
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	185	-	-	128	-	1	11	140
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-May 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	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	5	-	-	-	-	-
Non-OPEC	-	4	-	-	216	-	133	210	343
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	4	-	-	216	-	133	210	343
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
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	-	4	-	5	216	-	133	210	343
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-May 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	8,731	58	0	58
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	8,675	57	-	57
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	5	56	0	0	0
Non-OPEC	365	321	27	138	1,088	1,046	-	18,620	382,179	2,408	123	2,531
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	365	321	27	131	1,088	1,045	-	18,612	381,673	2,404	123	2,528
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	498	3	-	3
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	7	-	1	-	8	8	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	0	-	0	0	1	0	0
Total	365	321	27	138	1,088	1,046	-	18,625	390,910	2,465	123	2,589
Persian Gulf³	-	-	-	-	-	-	-	-	8,675	57	-	57

- = 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-May 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	324,673	-	-	15,096	-	-	-	-	289	289
Algeria	5,069	-	-	11,464	-	-	-	-	-	-
Angola	1,361	-	-	740	-	-	-	-	-	-
Ecuador	2,730	-	-	-	-	-	-	-	-	-
Equatorial Guinea	647	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	91	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	73,376	-	-	607	-	-	-	-	-	-
Kuwait	16,669	-	-	-	-	-	-	-	-	-
Libya	581	-	-	725	-	-	-	-	-	-
Nigeria	3,324	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	116,073	-	-	501	-	-	-	-	-	-
United Arab Emirates	-	-	-	591	-	-	-	-	-	-
Venezuela	104,843	-	-	377	-	-	-	-	289	289
Non-OPEC	190,616	1,889	444	46,250	-	-	-	-	7,056	7,056
Argentina	-	-	-	-	-	-	-	-	426	426
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	4,422	-	-	-	-	832	832
Brazil	15,000	-	-	245	-	-	-	-	14	14
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	219	-	-	-	-	-	-
Canada	56,914	-	14	220	-	-	-	-	71	71
Chad	902	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	25,303	-	-	-	-	-	-	-	228	228
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	46	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	56	-	-	-	-	-	-
France	-	-	-	445	-	-	-	-	138	138
Germany	-	-	-	219	-	-	-	-	-	-
Guatemala	1,328	-	-	-	-	-	-	-	-	-
India	-	-	-	2,218	-	-	-	-	1,019	1,019
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	170	-	-	-	-	626	626
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	315	315
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	84,541	600	105	-	-	-	-	-	859	859
Netherlands	-	-	-	2,070	-	-	-	-	720	720
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	396	-	3,367	-	-	-	-	22	22
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	28,189	-	-	-	-	-	-
Spain	-	-	-	195	-	-	-	-	1,050	1,050
Sweden	-	-	-	270	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	812	-	-	165	-	-	-	-	270	270
United Kingdom	3,226	233	-	474	-	-	-	-	363	363
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	2,590	660	325	3,169	-	-	-	-	103	103
Total	515,289	1,889	444	61,346	-	-	-	-	7,345	7,345
Persian Gulf³	206,118	-	-	1,699	-	-	-	-	-	-

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-May 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	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,280	618	771	562	-	-	-	-	385	864	1,249
Argentina	127	-	-	562	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	197	-	-	-	-	-	-	-	-	260	260
Brazil	94	618	771	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	115	115
Germany	135	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	114	114
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	727	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	385	375	760
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	-	-	-	0	0	0
Total	1,280	618	771	562	-	-	-	-	385	864	1,249
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-May 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	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	37	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	575	-	999	1,574
Non-OPEC	-	-	-	-	1,704	456	885	8,136	9,477
Argentina	-	-	-	-	-	456	-	-	456
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	105	105
Brazil	-	-	-	-	20	-	298	-	298
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	433	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	41	-	-	-	-
Germany	-	-	-	-	36	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	310	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	334	-	302	7,165	7,467
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	-	-	-	-	502	0	285	0	285
Total	-	-	-	-	1,741	1,031	885	9,135	11,051
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-May 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	—	—	—	—	—	840	—	17,836	342,509	2,150	118	2,268
Algeria	—	—	—	—	—	—	—	11,464	16,533	34	76	109
Angola	—	—	—	—	—	—	—	740	2,101	9	5	14
Ecuador	—	—	—	—	—	—	—	—	2,730	18	—	18
Equatorial Guinea	—	—	—	—	—	—	—	—	647	4	—	4
Gabon	—	—	—	—	—	—	—	91	91	—	1	1
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	607	73,983	486	4	490
Kuwait	—	—	—	—	—	—	—	—	16,669	110	—	110
Libya	—	—	—	—	—	—	—	725	1,306	4	5	9
Nigeria	—	—	—	—	—	—	—	—	3,324	22	—	22
Qatar	—	—	—	—	—	640	—	640	640	—	4	4
Saudi Arabia	—	—	—	—	—	—	—	538	116,611	769	4	772
United Arab Emirates	—	—	—	—	—	200	—	791	791	—	5	5
Venezuela	—	—	—	—	—	—	—	2,240	107,083	694	15	709
Non-OPEC	4,390	1,818	151	695	—	3,278	—	81,695	272,311	1,262	541	1,803
Argentina	—	223	—	524	—	4	—	2,322	2,322	—	15	15
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	373	—	373	373	—	2	2
Belgium	—	—	—	—	—	20	—	5,836	5,836	—	39	39
Brazil	—	—	—	—	—	—	—	2,060	17,060	99	14	113
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	219	219	—	1	1
Canada	—	—	—	—	—	—	—	738	57,652	377	5	382
Chad	—	—	—	—	—	—	—	—	902	6	—	6
China	—	—	90	—	—	—	—	90	90	—	1	1
Colombia	921	—	—	—	—	—	—	1,149	26,452	168	8	175
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	46	46	—	0	0
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	4	—	60	60	—	0	0
France	—	83	—	—	—	70	—	892	892	—	6	6
Germany	—	—	—	—	—	194	—	592	592	—	4	4
Guatemala	—	—	—	—	—	—	—	—	1,328	9	—	9
India	—	—	—	—	—	—	—	3,351	3,351	—	22	22
Indonesia	—	—	—	—	—	442	—	442	442	—	3	3
Italy	—	—	—	—	—	128	—	931	931	—	6	6
Korea, South	—	—	—	—	—	1,842	—	2,152	2,152	—	14	14
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	315	315	—	2	2
Malaysia	—	—	61	—	—	12	—	73	73	—	0	0
Mexico	1,470	—	—	—	—	—	—	10,835	95,376	560	72	632
Netherlands	151	—	—	—	—	—	—	3,719	3,719	—	25	25
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	1,354	—	—	—	—	—	5,139	5,139	—	34	34
Oman	—	—	—	—	—	65	—	65	65	—	0	0
Portugal	—	—	—	—	—	—	—	14	14	—	0	0
Russia	—	—	—	—	—	7	—	29,822	29,822	—	197	197
Spain	—	—	—	—	—	—	—	1,245	1,245	—	8	8
Sweden	—	—	—	—	—	—	—	270	270	—	2	2
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	435	1,247	5	3	8
United Kingdom	423	—	—	171	—	80	—	1,744	4,970	21	12	33
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,425	158	0	0	—	37	—	6,675	9,265	17	45	63
Total	4,390	1,818	151	695	—	4,118	—	99,531	614,820	3,413	659	4,072
Persian Gulf³	—	—	—	—	—	1,213	—	2,949	209,067	1,365	20	1,385

— = 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-May 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	42,501	-	1,776	-	-	-	-	-	105	105
Canada	42,501	-	1,776	-	-	-	-	-	105	105
Other	0	-	0	-	-	-	-	-	0	0
Total	42,501	-	1,776	-	-	-	-	-	105	105
PAD District 5										
OPEC	101,942	-	-	3,699	-	-	-	-	-	-
Algeria	-	-	-	3,014	-	-	-	-	-	-
Angola	2,499	-	-	-	-	-	-	-	-	-
Ecuador	30,047	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	7,464	-	-	-	-	-	-	-	-	-
Kuwait	8,821	-	-	-	-	-	-	-	-	-
Libya	2,116	-	-	685	-	-	-	-	-	-
Nigeria	2,137	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	47,303	-	-	-	-	-	-	-	-	-
United Arab Emirates	1,555	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	73,486	-	5,246	13,007	-	830	830	-	4,815	4,815
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	4,893	-	-	51	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	34,454	-	4,916	1,225	-	434	434	-	2,172	2,172
China	-	-	-	-	-	-	-	-	-	-
Colombia	22,395	-	-	-	-	-	-	-	218	218
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	259	259
Korea, South	-	-	-	-	-	119	119	-	998	998
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	4,659	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	43	43	-	315	315
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	1,364	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	209	209
United Kingdom	-	-	-	-	-	25	25	-	644	644
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	7,085	-	330	10,367	-	209	209	-	0	0
Total	175,428	-	5,246	16,706	-	830	830	-	4,815	4,815
Persian Gulf³	65,143	-	-	-	-	-	-	-	-	-

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-May 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	-	-	-	25	-	-	268	-	-	-	268
Canada	-	-	-	25	-	-	268	-	-	-	268
Other	-	-	-	0	-	-	0	-	-	-	0
Total	-	-	-	25	-	-	268	-	-	-	268
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	197	227	1,835	-	1,523	-	48	-	1,571
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	197	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	227	-	-	950	-	48	-	998
China	-	-	-	-	-	-	168	-	-	-	168
Colombia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	77	-	-	-	77
Korea, South	-	-	-	-	-	-	328	-	-	-	328
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	0	1,835	-	0	-	0	-	0
Total	-	-	197	227	1,835	-	1,523	-	48	-	1,571
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-May 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	-	-	-	19	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	11	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2	-	-	-	-	-	-	-
Canada	-	2	-	-	-	-	-	-	-
Other	-	0	-	0	-	-	-	-	-
Total	-	2	-	19	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	1	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	1	-	-	-	-	-
Non-OPEC	-	-	-	14,022	-	-	490	6,362	6,852
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	854	854
China	-	-	-	1,159	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	1,877	-	-	-	-	-
Korea, South	-	-	-	10,954	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	270	2,438	2,708
Netherlands	-	-	-	-	-	-	-	261	261
Netherlands Antilles	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	220	1,273	1,493
Singapore	-	-	-	-	-	-	-	556	556
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	32	-	-	0	980	980
Total	-	-	-	14,023	-	-	490	6,362	6,852
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-May 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	-	-	-	-	-	-	-	19	19	-	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	11	11	-	0	0
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	290	-	5	2,471	44,972	281	16	298
Canada	-	-	-	-	290	-	5	2,471	44,972	281	16	298
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	290	-	5	2,490	44,991	281	16	298
PAD District 5												
OPEC	-	-	-	-	-	-	-	3,700	105,642	675	25	700
Algeria	-	-	-	-	-	-	-	3,014	3,014	-	20	20
Angola	-	-	-	-	-	-	-	-	2,499	17	-	17
Ecuador	-	-	-	-	-	-	-	-	30,047	199	-	199
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	7,464	49	-	49
Kuwait	-	-	-	-	-	-	-	-	8,821	58	-	58
Libya	-	-	-	-	-	-	-	685	2,801	14	5	19
Nigeria	-	-	-	-	-	-	-	-	2,137	14	-	14
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	47,303	313	-	313
United Arab Emirates	-	-	-	-	-	-	-	-	1,555	10	-	10
Venezuela	-	-	-	-	-	-	-	1	1	-	0	0
Non-OPEC	197	32	160	131	420	84	-	49,626	123,112	487	329	815
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	248	5,141	32	2	34
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	1	131	326	32	-	11,316	45,770	228	75	303
China	-	-	111	-	-	-	-	1,438	1,438	-	10	10
Colombia	-	-	-	-	-	-	-	218	22,613	148	1	150
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	45	-	-	1	-	2,259	2,259	-	15	15
Korea, South	36	-	-	-	-	51	-	12,486	12,486	-	83	83
Malaysia	-	-	3	-	70	-	-	73	73	-	0	0
Mexico	-	-	-	-	-	-	-	2,708	7,367	31	18	49
Netherlands	-	-	-	-	-	-	-	619	619	-	4	4
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	2,857	2,857	-	19	19
Singapore	-	-	-	-	-	-	-	2,391	2,391	-	16	16
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	116	-	-	-	-	-	-	325	325	-	2	2
United Kingdom	-	-	-	-	-	-	-	669	669	-	4	4
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	45	32	0	0	24	0	-	12,019	19,104	48	80	126
Total	197	32	160	131	420	84	-	53,326	228,754	1,162	353	1,515
Persian Gulf³	-	-	-	-	-	-	-	-	65,143	431	-	431

- = 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, May 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	925	5,416	23,242	121	2,010	31,715	1,023
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	2,651	7,623	29,151	229	1,632	41,285	1,332
Pentanes Plus	63	5,111	63	205	10	5,453	176
Liquefied Petroleum Gases	2,587	2,512	29,087	24	1,622	35,832	1,156
Ethane/Ethylene	1,050	1,802	3,082	-	0	5,934	191
Propane/Propylene	1,468	354	23,565	0	1,119	26,507	855
Normal Butane/Butylene	67	356	2,196	24	503	3,145	101
Isobutane/Isobutylene	1	0	244	-	-	246	8
Other Liquids	2,640	1,301	10,075	17	835	14,869	480
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	63	901	3,726	11	260	4,961	160
Hydrogen	-	-	-	-	-	-	-
Oxygenates (excluding Fuel Ethanol)	1	1	1,879	-	2	1,882	61
Methyl Tertiary Butyl Ether (MTBE)	0	0	691	-	-	691	22
Other Oxygenates	1	1	1,188	-	2	1,191	38
Renewable Fuels (including Fuel Ethanol) ...	62	901	1,847	11	258	3,079	99
Fuel Ethanol	57	725	1,828	-	229	2,840	92
Biomass-Based Diesel	5	176	19	11	28	239	8
Other Renewable Diesel	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	-	-	-	-
Unfinished Oils	2,400	162	4,894	5	365	7,827	252
Naphthas and Lighter	2,389	158	4,381	5	364	7,297	235
Kerosene and Light Gas Oils	12	4	513	-	1	530	17
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)	177	238	1,455	-	211	2,081	67
Reformulated	1	0	9	-	2	12	0
Conventional	176	238	1,447	-	208	2,069	67
Aviation Gasoline Blend. Comp.	-	-	-	-	-	-	-
Finished Petroleum Products	6,005	1,461	84,833	44	10,179	102,522	3,307
Finished Motor Gasoline	283	135	17,215	2	945	18,579	599
Reformulated	-	-	-	-	-	-	-
Conventional	283	135	17,215	2	945	18,579	599
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	242	222	4,122	-	728	5,315	171
Kerosene	101	3	153	-	2	259	8
Distillate Fuel Oil	3,306	256	41,131	-	2,261	46,954	1,515
15 ppm sulfur and under	3,060	0	35,224	-	1,037	39,322	1,268
Greater than 15 ppm to 500 ppm sulfur	246	160	2,521	-	149	3,076	99
Greater than 500 ppm sulfur	0	96	3,386	-	1,074	4,556	147
Residual Fuel Oil	1,346	339	6,127	23	1,203	9,039	292
Naphtha for Petro. Feed. Use	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use	-	-	-	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	244	171	2,581	9	377	3,382	109
Waxes	74	20	26	0	5	124	4
Petroleum Coke	329	255	13,284	-	4,623	18,491	596
Asphalt and Road Oil	70	60	182	11	34	358	12
Miscellaneous Products	10	1	10	-	0	22	1
Total	12,222	15,802	147,301	411	14,655	190,391	6,142

- = 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-May 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	4,003	29,809	105,323	389	2,435	141,959	940
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	20,475	28,438	157,124	1,819	6,412	214,267	1,419
Pentanes Plus	8,141	18,026	221	1,702	80	28,169	187
Liquefied Petroleum Gases	12,335	10,412	156,902	117	6,332	186,098	1,232
Ethane/Ethylene	5,648	8,059	10,531	—	0	24,239	161
Propane/Propylene	6,395	1,058	130,768	1	4,697	142,919	946
Normal Butane/Butylene	288	1,294	14,803	116	1,635	18,136	120
Isobutane/Isobutylene	3	1	800	—	—	804	5
Other Liquids	10,499	5,601	54,984	86	3,517	74,687	495
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	296	3,258	20,001	17	1,329	24,901	165
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	6	4	9,810	—	8	9,828	65
Methyl Tertiary Butyl Ether (MTBE)	0	0	5,281	—	0	5,281	35
Other Oxygenates	5	4	4,530	—	8	4,547	30
Renewable Fuels (including Fuel Ethanol) ...	290	3,254	10,191	17	1,320	15,073	100
Fuel Ethanol	261	2,789	10,018	0	1,245	14,313	95
Biomass-Based Diesel	29	465	173	17	75	759	5
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	9,992	1,953	25,018	68	861	37,891	251
Naphthas and Lighter	9,568	1,919	21,269	67	840	33,663	223
Kerosene and Light Gas Oils	424	34	3,748	1	21	4,228	28
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	211	391	9,966	0	1,327	11,895	79
Reformulated	3	0	29	—	4	36	0
Conventional	208	390	9,936	0	1,324	11,859	79
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	22,766	7,235	398,687	173	51,869	480,730	3,184
Finished Motor Gasoline	2,145	686	91,278	4	7,660	101,773	674
Reformulated	—	—	—	—	—	—	—
Conventional	2,145	686	91,278	4	7,660	101,773	674
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	696	1,344	21,825	—	4,118	27,983	185
Kerosene	110	9	367	—	15	500	3
Distillate Fuel Oil	9,426	1,385	166,369	—	15,871	193,050	1,278
15 ppm sulfur and under	6,730	7	143,859	—	9,724	160,319	1,062
Greater than 15 ppm to 500 ppm sulfur	2,594	884	15,265	—	1,125	19,869	132
Greater than 500 ppm sulfur	102	493	7,245	—	5,022	12,862	85
Residual Fuel Oil	6,159	1,384	34,168	97	2,935	44,743	296
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	1,050	873	14,240	52	1,092	17,308	115
Waxes	359	121	101	1	30	612	4
Petroleum Coke	2,318	1,077	68,875	0	20,002	92,272	611
Asphalt and Road Oil	435	354	1,310	19	145	2,263	15
Miscellaneous Products	68	1	154	0	2	225	1
Total	57,743	71,083	716,117	2,466	64,234	911,643	6,037

— = 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, May 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	277	—	—	—	—	366	366	—	0	0
Australia	—	0	1,129	1	—	0	0	0	0	0
Bahamas	715	0	35	—	—	44	44	—	0	0
Bahrain	—	—	—	—	—	0	0	—	—	—
Belgium	—	—	—	2	—	—	—	—	—	—
Belize	—	—	—	—	—	93	93	—	—	—
Brazil	—	3	2,291	274	—	773	773	—	0	0
Canada	11,528	5,370	2,695	2,241	—	354	354	—	617	617
Cayman Islands	—	—	—	—	—	13	13	—	—	—
Chile	—	0	1,377	4	—	143	143	—	—	—
China	4,542	0	4,235	4	—	32	32	—	0	0
Colombia	1,493	0	0	1,691	—	799	799	—	—	—
Costa Rica	—	—	—	0	—	789	789	—	110	110
Denmark	—	—	—	—	—	—	—	—	—	—
Dominican Republic	496	0	1,042	2	—	24	24	—	—	—
Ecuador	—	0	800	11	—	260	260	—	—	—
Egypt	—	0	—	1	—	—	—	—	—	—
El Salvador	—	—	—	—	—	222	222	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	637	13	163	23	—	—	—	—	—	—
Germany	—	0	0	2	—	1	1	—	—	—
Ghana	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	0	411	0	—	1,525	1,525	—	22	22
Honduras	—	—	242	—	—	420	420	—	73	73
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	—	0	2,472	0	—	0	0	—	0	0
Indonesia	—	—	275	0	—	—	—	0	—	0
Ireland	—	—	—	—	—	—	—	—	—	—
Israel	—	—	0	—	—	0	0	—	—	—
Italy	674	—	—	—	—	—	—	—	—	—
Jamaica	—	0	35	0	—	84	84	—	0	0
Japan	307	—	4,454	296	—	0	0	—	0	0
Korea, South	500	—	3,803	348	—	110	110	—	—	—
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	34	3,192	351	—	10,031	10,031	10	1,177	1,188
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	65	6	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	3,361	30	1,143	711	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	—	0	0	—	—	—	—	—	—	—
Nicaragua	—	—	—	—	—	126	126	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Norway	675	—	1,103	—	—	1	1	0	—	0
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	—	350	0	—	724	724	—	65	65
Peru	760	—	—	0	—	532	532	—	—	—
Philippines	—	—	—	—	—	—	—	—	0	0
Portugal	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	0	3	0	—	1	1	—	1	1
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	—	0	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	—	0	1,390	19	—	0	0	—	0	0
South Africa	—	—	1	1	—	—	—	—	—	—
Spain	698	—	—	—	—	—	—	—	0	0
Switzerland	—	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	297	—	0	0	—	—	—
Thailand	—	0	—	1	—	—	—	—	—	—
Trinidad and Tobago	—	0	—	0	—	—	—	—	—	—
Turkey	—	0	—	0	—	—	—	1	—	1
United Arab Emirates	—	—	—	7	—	—	—	—	—	—
United Kingdom	1,941	0	1,712	1	—	1	1	—	0	0
Venezuela	—	—	—	1,032	—	748	748	—	—	—
Other	3,111	3	1,414	501	—	363	363	1	4	4
Total	31,715	5,453	35,832	7,827	—	18,579	18,579	12	2,069	2,081

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, May 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	—	—	0	—	—	—	1,394	321	651	—	2,365
Australia	—	0	—	—	—	—	—	—	0	—	0
Bahamas	—	—	0	—	—	—	194	46	1,153	—	1,394
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	0	0	—	—	—	346	—	291	—	637
Belize	—	—	—	—	—	—	—	34	—	—	34
Brazil	—	0	1,532	—	—	—	7,125	592	102	—	7,819
Canada	—	0	747	219	—	—	1	305	193	—	498
Cayman Islands	—	—	—	—	—	—	235	—	—	—	235
Chile	218	—	—	—	—	—	3,256	—	—	—	3,256
China	0	0	0	—	—	—	2	—	—	—	2
Colombia	—	0	51	—	—	—	579	—	—	—	579
Costa Rica	—	0	0	—	—	—	601	—	—	—	601
Denmark	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic	—	—	0	—	—	—	408	67	—	—	475
Ecuador	—	—	—	—	—	—	1,129	264	264	—	1,656
Egypt	—	0	—	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	—	—	197	—	—	197
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	0	—	—	—	—	1,461	—	—	—	1,461
Germany	—	0	—	—	—	—	0	—	—	—	0
Ghana	—	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	685	—	—	—	685
Greece	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	0	—	—	—	—	384	518	100	—	1,002
Honduras	—	—	—	—	—	—	380	260	86	—	727
Hong Kong	—	—	0	—	—	—	—	—	—	—	—
India	—	0	1	—	—	—	0	—	—	—	0
Indonesia	—	—	0	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—	—	—	—
Israel	—	0	—	—	—	—	—	—	—	—	—
Italy	—	0	—	—	—	—	475	—	—	—	475
Jamaica	—	—	0	—	—	—	436	—	50	—	486
Japan	—	1,188	4	—	—	—	0	—	—	—	0
Korea, South	—	0	103	—	—	—	2	—	—	—	2
Lebanon	—	0	—	—	—	—	0	—	281	—	281
Mexico	473	1	29	2	—	—	6,590	60	31	—	6,680
Montenegro	—	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	1,529	—	—	—	1,529
Mozambique	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	0	32	—	—	—	2,713	—	213	—	2,926
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—	—	—	—
Nicaragua	—	—	—	—	—	—	—	168	—	—	168
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—	—
Panama	—	0	0	—	—	—	858	—	—	—	858
Peru	—	—	100	17	—	—	1,024	—	65	—	1,089
Philippines	—	—	172	—	—	—	0	—	—	—	0
Portugal	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	0	1	—	—	—	0	—	—	—	0
Romania	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	0	—	—	—	—	—	1	—	—	—	1
Serbia	—	—	—	—	—	—	—	—	—	—	—
Singapore	0	1	65	0	—	—	0	—	405	—	405
South Africa	—	0	—	—	—	—	—	—	—	—	—
Spain	—	—	0	—	—	—	818	—	—	—	818
Switzerland	—	—	—	1	—	—	40	—	—	—	40
Taiwan	—	—	0	—	—	—	—	—	—	—	—
Thailand	—	0	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
Turkey	—	—	—	—	—	—	0	—	—	—	0
United Arab Emirates	—	—	0	—	—	—	—	—	—	—	—
United Kingdom	—	0	—	—	—	—	1,367	—	—	—	1,367
Venezuela	—	—	—	—	—	—	580	—	—	—	580
Other	—	1	3	—	—	—	4,709	244	671	—	5,626
Total	691	1,191	2,840	239	—	—	39,322	3,076	4,556	—	46,954

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, May 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	0	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	33	—	89	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	84	—	—
Belize	—	—	—	—	—	—	—	—
Brazil	—	—	—	82	—	—	—	—
Canada	104	—	—	732	—	2,023	—	—
Cayman Islands	—	—	—	298	—	—	—	—
Chile	1	—	—	302	—	—	—	—
China	0	—	—	0	—	945	—	—
Colombia	—	—	—	—	—	—	—	—
Costa Rica	0	—	—	166	—	—	—	—
Denmark	—	—	—	224	—	—	—	—
Dominican Republic	—	—	—	129	—	0	—	—
Ecuador	—	—	—	0	—	211	—	—
Egypt	—	—	—	—	—	—	—	—
El Salvador	—	—	—	25	—	—	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	308	—	—	—	—
Germany	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	0	—	—	118	—	42	—	—
Honduras	50	—	—	58	—	243	—	—
Hong Kong	—	—	—	—	—	0	—	—
India	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	—	—	—	333	—	—	—	—
Italy	—	—	—	0	—	—	—	—
Jamaica	0	—	—	50	—	417	—	—
Japan	—	—	—	0	—	0	—	—
Korea, South	0	—	—	0	—	—	—	—
Lebanon	—	—	—	—	—	—	—	—
Mexico	6	—	—	1,115	—	1,439	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	270	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	0	—	—	125	—	391	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	0	—	—	416	—	962	—	—
Peru	0	—	—	300	—	—	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	0	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	0	—	—	—	—	1,903	—	—
South Africa	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	1	—	1	—	—
Thailand	—	—	—	—	—	0	—	—
Trinidad and Tobago	0	—	—	0	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	0	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	2	—	—
Venezuela	—	—	—	—	—	—	—	—
Other	98	—	—	230	—	287	—	—
Total	259	—	—	5,315	—	9,039	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, May 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	0	0	701	—	3,435	3,711	9	111	120
Australia	1	271	0	5	—	1,406	1,406	—	45	45
Bahamas	—	—	5	3	—	1,602	2,317	23	52	75
Bahrain	0	—	—	0	—	1	1	—	0	0
Belgium	1	165	0	459	0	1,351	1,351	—	44	44
Belize	—	—	—	2	—	128	128	—	4	4
Brazil	0	370	0	202	0	13,346	13,346	—	431	431
Canada	78	712	142	268	2	16,804	28,332	372	542	914
Cayman Islands	—	—	1	2	—	549	549	—	18	18
Chile	0	—	0	64	0	5,365	5,365	—	173	173
China	12	2,468	7	57	0	7,765	12,306	147	250	397
Colombia	0	0	34	65	0	3,220	4,713	48	104	152
Costa Rica	0	309	—	10	—	1,987	1,987	—	64	64
Denmark	—	—	—	0	—	224	224	—	7	7
Dominican Republic	0	177	0	34	—	1,883	2,379	16	61	77
Ecuador	0	189	0	62	—	3,190	3,190	—	103	103
Egypt	—	—	—	1	—	2	2	—	0	0
El Salvador	—	152	—	7	—	603	603	—	19	19
Finland	—	—	—	0	0	0	0	—	0	0
France	0	633	—	72	—	2,674	3,311	21	86	107
Germany	1	294	1	123	0	421	421	—	14	14
Ghana	0	—	—	0	—	0	0	—	0	0
Gibraltar	—	—	—	—	—	685	685	—	22	22
Greece	—	225	—	1	—	226	226	—	7	7
Guatemala	—	—	—	24	—	3,143	3,143	—	101	101
Honduras	0	275	31	14	—	2,134	2,134	—	69	69
Hong Kong	1	—	0	2	0	3	3	—	0	0
India	3	2,668	1	9	0	5,155	5,155	—	166	166
Indonesia	0	—	0	2	—	277	277	—	9	9
Ireland	0	—	—	0	0	0	0	—	0	0
Israel	0	—	—	3	0	337	337	—	11	11
Italy	0	666	0	0	—	1,142	1,816	22	37	59
Jamaica	—	—	0	17	0	1,090	1,090	—	35	35
Japan	1	1,436	0	9	4	7,395	7,701	10	239	248
Korea, South	0	743	2	4	1	5,115	5,615	16	165	181
Lebanon	—	121	—	0	—	402	402	—	13	13
Mexico	15	2,040	93	544	10	27,243	27,243	—	879	879
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	394	—	0	—	2,264	2,264	—	73	73
Mozambique	—	28	—	—	—	28	28	—	1	1
Netherlands	5	474	2	163	1	6,002	9,364	108	194	302
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	0	116	—	0	—	116	116	—	4	4
Nicaragua	—	—	0	6	—	300	300	—	10	10
Nigeria	—	—	—	48	—	48	48	—	2	2
Norway	0	98	—	0	—	1,201	1,876	22	39	61
Pakistan	0	0	0	2	—	2	2	—	0	0
Panama	0	—	30	13	0	3,419	3,419	—	110	110
Peru	—	—	0	66	—	2,104	2,865	25	68	92
Philippines	0	0	—	2	—	174	174	—	6	6
Portugal	—	170	—	—	—	170	170	—	5	5
Puerto Rico	0	0	0	10	—	17	17	—	1	1
Romania	—	—	—	0	—	0	0	—	0	0
Saudi Arabia	—	1	0	3	—	6	6	—	0	0
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	0	—	0	112	0	3,896	3,896	—	126	126
South Africa	—	28	0	40	—	69	69	—	2	2
Spain	1	699	—	1	—	1,518	2,217	23	49	72
Switzerland	0	—	—	0	0	41	41	—	1	1
Taiwan	0	0	—	5	0	304	304	—	10	10
Thailand	0	0	2	4	0	7	7	—	0	0
Trinidad and Tobago	0	—	0	6	—	6	6	—	0	0
Turkey	0	1,544	0	40	—	1,586	1,586	—	51	51
United Arab Emirates	0	0	0	16	—	23	23	—	1	1
United Kingdom	0	—	0	2	—	3,085	5,026	63	100	162
Venezuela	0	55	0	8	—	2,424	2,424	—	78	78
Other	5	970	7	69	4	9,563	12,674	98	307	408
Total	124	18,491	358	3,382	22	158,676	190,391	1,023	5,119	6,142

— = 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-May 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	806	1	0	235	–	1,178	1,178	–	0	0
Australia	223	0	2,286	2	–	2	2	0	0	1
Bahamas	1,239	3	102	190	–	806	806	0	2	2
Bahrain	–	–	–	–	–	3	3	1	–	1
Belgium	–	1	204	397	–	422	422	–	1	1
Belize	–	–	–	0	–	404	404	–	0	0
Brazil	–	15	6,682	1,549	–	4,799	4,799	–	163	163
Canada	44,900	27,847	11,116	10,557	–	1,600	1,600	–	1,903	1,903
Cayman Islands	–	0	–	0	–	80	80	–	0	0
Chile	–	0	3,557	263	–	1,079	1,079	–	1	1
China	29,419	4	22,967	2,165	–	54	54	–	4	4
Colombia	4,938	2	165	6,532	–	4,942	4,942	–	248	248
Costa Rica	–	0	261	19	–	2,868	2,868	–	704	704
Denmark	683	–	–	0	–	1	1	–	–	–
Dominican Republic	1,285	0	5,544	18	–	1,472	1,472	–	161	161
Ecuador	–	1	2,416	23	–	4,420	4,420	0	2	2
Egypt	–	0	2,181	2	–	–	–	–	–	–
El Salvador	–	0	1,105	3	–	1,693	1,693	–	0	0
Finland	–	–	–	–	–	0	0	0	–	0
France	3,250	75	3,005	702	–	1	1	9	0	9
Germany	–	0	0	17	–	2	2	0	0	0
Ghana	–	–	1,258	–	–	326	326	–	0	0
Gibraltar	–	–	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	0	0	–	–	–
Guatemala	–	1	1,417	44	–	6,365	6,365	–	58	58
Honduras	–	–	1,586	3	–	1,822	1,822	–	342	342
Hong Kong	732	0	–	1	–	1	1	–	0	0
India	1,468	1	8,209	1	–	0	0	0	0	0
Indonesia	–	–	1,914	17	–	–	–	0	–	0
Ireland	–	–	–	0	–	1	1	–	–	–
Israel	–	–	1	1	–	7	7	–	0	0
Italy	6,581	–	235	26	–	–	–	–	–	–
Jamaica	–	0	141	0	–	705	705	–	0	0
Japan	4,975	0	30,921	1,152	–	151	151	1	3	4
Korea, South	4,767	–	16,718	996	–	210	210	0	0	1
Lebanon	–	–	–	–	–	–	–	–	–	–
Mexico	–	108	18,978	1,720	–	51,480	51,480	22	6,846	6,868
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	–	1,281	41	–	–	–	–	–	–
Mozambique	–	–	–	–	–	–	–	–	–	–
Netherlands	11,903	102	8,039	4,012	–	603	603	–	34	34
Netherlands Antilles	–	–	–	–	–	–	–	–	–	–
New Zealand	–	0	2	0	–	1	1	–	0	0
Nicaragua	801	0	0	0	–	706	706	–	0	0
Nigeria	–	–	–	0	–	631	631	–	–	–
Norway	675	–	5,485	–	–	1	1	0	–	0
Pakistan	–	–	–	–	–	–	–	–	–	–
Panama	425	0	850	2	–	4,422	4,422	–	139	139
Peru	1,719	1	0	6	–	2,965	2,965	–	246	246
Philippines	–	–	–	0	–	–	–	–	0	0
Portugal	–	–	584	–	–	1	1	–	–	–
Puerto Rico	–	1	9	2	–	7	7	–	8	8
Romania	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	0	–	13	–	1	1	1	–	1
Serbia	–	–	–	–	–	–	–	–	–	–
Singapore	5,567	0	9,439	110	–	0	0	–	0	0
South Africa	–	–	2	1	–	299	299	–	–	–
Spain	1,921	–	1,257	0	–	–	–	–	238	238
Switzerland	–	–	0	0	–	458	458	–	0	0
Taiwan	–	0	275	1,188	–	2	2	–	3	3
Thailand	898	0	–	1	–	–	–	–	0	0
Trinidad and Tobago	–	0	2	26	–	0	0	–	–	–
Turkey	–	0	1,675	0	–	–	–	1	–	1
United Arab Emirates	–	0	–	36	–	0	0	–	–	–
United Kingdom	7,335	1	5,421	1	–	5	5	0	0	1
Venezuela	–	–	250	5,021	–	2,211	2,211	–	577	577
Other	5,449	5	8,558	796	–	2,566	2,566	1	176	174
Total	141,959	28,169	186,098	37,891	–	101,773	101,773	36	11,859	11,895

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-May 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	–	0	1	–	–	–	5,961	642	651	–	7,254
Australia	0	0	0	–	–	–	0	–	0	–	1
Bahamas	–	1	2	–	–	–	784	75	1,670	–	2,529
Bahrain	–	–	0	–	–	–	–	–	–	–	–
Belgium	42	0	0	0	–	–	588	278	391	–	1,257
Belize	–	–	0	–	–	–	0	113	–	–	113
Brazil	0	0	6,077	–	–	–	24,253	1,716	164	–	26,134
Canada	–	3	2,959	633	–	–	7	2,254	901	–	3,161
Cayman Islands	–	–	0	–	–	–	554	–	–	–	554
Chile	1,089	0	1	–	–	–	12,993	–	–	–	12,993
China	0	1	1	–	–	–	6	–	–	–	6
Colombia	–	0	163	–	–	–	3,854	–	–	–	3,854
Costa Rica	–	0	1	–	–	–	3,492	–	0	–	3,492
Denmark	–	–	–	–	–	–	–	–	–	–	–
Dominican Republic	–	–	2	–	–	–	1,345	127	100	–	1,572
Ecuador	–	0	0	–	–	–	4,167	1,246	264	–	5,676
Egypt	–	0	1	–	–	–	–	–	–	–	–
El Salvador	–	–	–	–	–	–	77	1,455	0	–	1,532
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	1	4	–	–	–	7,380	329	303	–	8,011
Germany	–	0	1	0	–	–	0	–	–	–	0
Ghana	–	–	0	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	2,717	1,749	634	–	5,099
Greece	–	–	1	–	–	–	–	–	–	–	–
Guatemala	–	0	0	–	–	–	3,529	1,870	100	–	5,499
Honduras	–	–	–	–	–	–	1,361	766	87	–	2,214
Hong Kong	–	0	0	–	–	–	1	–	–	–	1
India	–	0	1,706	–	–	–	1	–	–	–	1
Indonesia	–	0	0	–	–	–	–	–	–	–	–
Ireland	–	0	0	–	–	–	–	–	–	–	–
Israel	–	0	0	–	–	–	1	–	–	–	1
Italy	–	0	0	4	–	–	605	20	–	–	626
Jamaica	–	–	114	–	–	–	1,390	–	215	–	1,605
Japan	–	4,528	5	–	–	–	1	–	–	–	1
Korea, South	–	0	369	–	–	–	4	–	–	–	4
Lebanon	–	0	–	–	–	–	0	–	281	–	281
Mexico	3,394	6	253	37	–	–	32,301	482	125	–	32,909
Montenegro	–	–	–	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	3,497	–	–	–	3,497
Mozambique	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	0	126	5	–	–	8,329	1,447	668	–	10,443
Netherlands Antilles	–	–	–	–	–	–	–	–	–	–	–
New Zealand	–	0	0	–	–	–	–	–	–	–	–
Nicaragua	–	–	–	3	–	–	53	418	100	–	571
Nigeria	–	–	232	–	–	–	–	–	–	–	–
Norway	–	0	0	–	–	–	10	–	–	–	10
Pakistan	–	0	–	–	–	–	–	–	–	–	–
Panama	–	0	0	–	–	–	5,256	1,264	248	–	6,768
Peru	–	0	410	72	–	–	10,335	–	65	–	10,400
Philippines	–	0	917	–	–	–	0	0	–	–	0
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	–	1	168	–	–	–	0	1	0	–	2
Romania	–	–	–	–	–	–	311	–	–	–	311
Saudi Arabia	0	0	1	–	–	–	1	–	–	–	1
Serbia	–	–	–	–	–	–	–	–	–	–	–
Singapore	0	3	184	1	–	–	1,724	–	2,699	–	4,423
South Africa	–	0	–	0	–	–	–	–	–	–	–
Spain	–	–	0	1	–	–	1,932	–	–	–	1,932
Switzerland	–	–	32	3	–	–	40	149	–	–	189
Taiwan	0	0	0	–	–	–	0	–	0	–	1
Thailand	–	0	0	–	–	–	1	–	0	–	1
Trinidad and Tobago	–	0	0	–	–	–	1	–	–	–	1
Turkey	–	0	–	–	–	–	97	–	–	–	97
United Arab Emirates	–	0	577	–	–	–	0	–	–	–	0
United Kingdom	–	0	0	–	–	–	6,731	0	–	–	6,731
Venezuela	755	–	0	–	–	–	2,000	285	271	–	2,556
Other	1	3	5	–	–	–	12,629	3,183	2,925	–	18,736
Total	5,281	4,547	14,313	759	–	–	160,319	19,869	12,862	–	193,050

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-May 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	0	—	—	301	—	37	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	198	—	643	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	84	—	—
Belize	0	—	—	—	—	—	—	—
Brazil	0	—	—	1,011	—	—	—	—
Canada	120	—	—	5,738	—	5,951	—	—
Cayman Islands	57	—	—	491	—	0	—	—
Chile	4	—	—	1,066	—	0	—	—
China	3	—	—	4	—	1,201	—	—
Colombia	0	—	—	554	—	301	—	—
Costa Rica	0	—	—	778	—	201	—	—
Denmark	—	—	—	519	—	—	—	—
Dominican Republic	0	—	—	1,023	—	181	—	—
Ecuador	—	—	—	88	—	1,713	—	—
Egypt	—	—	—	—	—	887	—	—
El Salvador	0	—	—	99	—	—	—	—
Finland	47	—	—	307	—	—	—	—
France	—	—	—	624	—	—	—	—
Germany	0	—	—	—	—	2	—	—
Ghana	—	—	—	1	—	—	—	—
Gibraltar	—	—	—	—	—	226	—	—
Greece	—	—	—	—	—	0	—	—
Guatemala	49	—	—	488	—	655	—	—
Honduras	50	—	—	322	—	1,438	—	—
Hong Kong	0	—	—	—	—	0	—	—
India	—	—	—	0	—	0	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	538	—	—	—	—
Italy	—	—	—	0	—	—	—	—
Jamaica	0	—	—	455	—	1,272	—	—
Japan	—	—	—	1	—	0	—	—
Korea, South	0	—	—	0	—	0	—	—
Lebanon	—	—	—	—	—	2,197	—	—
Mexico	15	—	—	5,673	—	5,893	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	1,165	—	378	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	2	—	—	425	—	750	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	0	—	—	—	—	0	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	0	—	—
Panama	0	—	—	2,270	—	2,208	—	—
Peru	0	—	—	1,070	—	192	—	—
Philippines	—	—	—	0	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	1	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	1	—	—	—	—	0	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	1	—	—	0	—	14,522	—	—
South Africa	—	—	—	—	—	380	—	—
Spain	—	—	—	—	—	0	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	0	—	—	1	—	3	—	—
Thailand	0	—	—	—	—	0	—	—
Trinidad and Tobago	0	—	—	3	—	—	—	—
Turkey	0	—	—	—	—	—	—	—
United Arab Emirates	1	—	—	—	—	300	—	—
United Kingdom	—	—	—	630	—	2	—	—
Venezuela	—	—	—	—	—	523	—	—
Other	150	—	—	2,139	—	2,603	—	—
Total	500	—	—	27,983	—	44,743	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-May 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	2	179	0	859	0	10,049	10,855	5	67	72
Australia	4	1,044	1	52	0	3,394	3,617	1	22	24
Bahamas	—	—	19	395	—	4,889	6,128	8	32	41
Bahrain	0	—	—	3	—	7	7	—	0	0
Belgium	2	703	1	1,544	1	4,660	4,660	—	31	31
Belize	—	—	0	6	—	524	524	—	3	3
Brazil	2	5,797	1	1,154	2	53,385	53,385	—	354	354
Canada	397	2,683	704	1,304	17	76,691	121,591	297	508	805
Cayman Islands	—	—	3	8	—	1,193	1,193	—	8	8
Chile	1	—	360	375	0	20,791	20,791	—	138	138
China	38	10,778	20	511	5	37,761	67,180	195	250	445
Colombia	2	1	34	515	1	17,315	22,253	33	115	147
Costa Rica	1	456	133	79	0	8,992	8,992	—	60	60
Denmark	—	308	1	1	—	829	1,513	5	5	10
Dominican Republic	1	352	125	133	0	10,584	11,869	9	70	79
Ecuador	1	809	1	257	0	15,407	15,407	—	102	102
Egypt	0	2,769	0	3	0	5,843	5,843	—	39	39
El Salvador	0	152	0	109	—	4,695	4,695	—	31	31
Finland	0	275	0	2	0	633	633	—	4	4
France	1	1,158	0	340	—	13,931	17,180	22	92	114
Germany	6	294	4	480	0	807	807	—	5	5
Ghana	0	—	—	1	—	1,586	1,586	—	11	11
Gibraltar	—	—	—	1,175	—	6,500	6,500	—	43	43
Greece	—	2,935	—	2	—	2,938	2,938	—	19	19
Guatemala	0	825	0	97	—	15,500	15,500	—	103	103
Honduras	0	789	66	63	—	8,695	8,695	—	58	58
Hong Kong	3	0	0	13	1	20	752	5	0	5
India	6	13,171	6	599	1	23,702	25,170	10	157	167
Indonesia	0	0	8	25	0	1,965	1,965	—	13	13
Ireland	0	197	—	0	0	198	198	—	1	1
Israel	0	567	—	495	0	1,610	1,610	—	11	11
Italy	0	2,357	0	61	1	3,312	9,893	44	22	66
Jamaica	—	0	0	68	1	4,360	4,360	—	29	29
Japan	4	7,921	2	81	17	44,789	49,764	33	297	330
Korea, South	1	2,211	49	194	3	20,755	25,522	32	137	169
Lebanon	0	701	—	6	—	3,186	3,186	—	21	21
Mexico	79	9,905	444	2,446	38	140,244	140,244	—	929	929
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,715	—	0	—	9,076	9,076	—	60	60
Mozambique	—	249	—	—	—	249	249	—	2	2
Netherlands	16	1,309	5	440	10	26,321	38,223	79	174	253
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	0	318	1	4	0	326	326	—	2	2
Nicaragua	0	—	0	34	—	1,315	2,116	5	9	14
Nigeria	—	—	—	305	—	1,169	1,169	—	8	8
Norway	0	474	0	2	—	5,973	6,648	4	40	44
Pakistan	0	0	1	3	0	5	5	—	0	0
Panama	0	—	98	177	114	17,047	17,472	3	113	116
Peru	1	182	2	334	0	15,881	17,600	11	105	117
Philippines	1	573	—	5	1	1,497	1,497	—	10	10
Portugal	0	621	—	0	—	1,207	1,207	—	8	8
Puerto Rico	0	0	1	67	0	267	267	—	2	2
Romania	—	191	—	1	—	502	502	—	3	3
Saudi Arabia	0	173	1	55	0	247	247	—	2	2
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	1	0	0	492	0	29,177	34,744	37	193	230
South Africa	0	115	0	291	—	1,089	1,089	—	7	7
Spain	2	3,608	30	6	0	7,073	8,994	13	47	60
Switzerland	0	—	—	0	0	683	683	—	5	5
Taiwan	28	233	3	47	1	1,785	1,785	—	12	12
Thailand	0	0	8	17	1	31	929	6	0	6
Trinidad and Tobago	0	1	0	31	0	65	65	—	0	0
Turkey	0	8,362	0	76	—	10,212	10,212	—	68	68
United Arab Emirates	0	2	2	298	—	1,218	1,218	—	8	8
United Kingdom	1	266	1	31	0	13,091	20,427	49	87	135
Venezuela	0	83	1	786	0	12,762	12,762	—	85	85
Other	11	3,460	127	350	10	39,676	45,125	34	260	293
Total	612	92,272	2,263	17,308	225	769,684	911,643	940	5,097	6,037

— = 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, May 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	3,418	0	-26	114	-	-33	-33	-	21	21
Algeria	87	-	-	109	-	-	-	-	0	0
Angola	105	-	-	-	-	-	-	-	-	-
Ecuador	230	0	-26	0	-	-8	-8	-	-	-
Equatorial Guinea	21	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	3	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	619	-	-	-	-	-	-	-	-	-
Kuwait	174	-	-	-	-	-	-	-	-	-
Libya	67	-	-	9	-	-	-	-	-	-
Nigeria	281	-	-	4	-	-	-	-	9	9
Qatar	-	-	-	-	-	0	0	-	-	-
Saudi Arabia	1,093	0	-	16	-	-	-	-	-	-
United Arab Emirates	33	-	-	0	-	-	-	-	-	-
Venezuela	708	-	-	-27	-	-24	-24	-	12	12
Non-OPEC	3,957	-159	-982	211	-	-530	-530	251	387	638
Argentina	-9	-	-	-	-	-12	-12	-	0	0
Aruba	-	-	-37	-	-	-2	-2	-	-	-
Australia	-	0	-36	0	-	0	0	0	0	0
Bahamas	-23	0	-1	-	-	-1	-1	-	0	0
Bahrain	-	-	-	-	-	0	0	-	-	-
Belgium	-	-	-	18	-	7	7	21	13	33
Brazil	122	0	-74	-7	-	-25	-25	-	0	0
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	0	-	-	-	-	-	-	-	-
Canada	3,197	-173	42	-72	-	-1	-1	140	54	194
Chad	-	-	-	-	-	-	-	-	-	-
China	-147	0	-137	0	-	-1	-1	-	0	0
Colombia	330	0	0	-55	-	-26	-26	-	13	13
Denmark	-	-	-	-	-	-	-	-	2	2
Dominican Republic	-16	0	-34	0	-	-1	-1	-	-	-
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-	-	-	-	-	-	-	-	-	-
France	-21	0	-5	2	-	3	3	-	15	15
Germany	-	0	0	2	-	0	0	-	1	1
Guatemala	8	0	-13	0	-	-49	-49	-	-1	-1
Honduras	-	-	-8	-	-	-14	-14	-	-2	-2
India	-	0	-80	17	-	0	0	-	78	78
Indonesia	-	-	-9	0	-	-	-	0	-	0
Italy	-22	-	-	1	-	-	-	-	14	14
Japan	-10	-	-144	-10	-	0	0	-	2	2
Korea, South	-16	-	-123	-11	-	0	0	-	37	37
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-68	-	-	0	-	-	-	-	2	2
Mexico	669	9	-103	-11	-	-324	-324	0	-23	-23
Netherlands	-108	-1	-37	-13	-	7	7	-	32	32
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-22	-	-22	36	-	0	0	0	-	0
Oman	-	-	-	-14	-	-	-	-	-	-
Panama	-	-	-11	0	-	-23	-23	-	-2	-2
Portugal	-	-	-	-	-	1	1	18	18	36
Puerto Rico	-	0	0	0	-	0	0	-	0	0
Russia	85	-	-	276	-	4	4	-	31	31
Spain	-23	-	-	17	-	-	-	-	42	42
Sweden	-	-	-	10	-	-	-	-	-	-
Trinidad and Tobago	32	0	2	5	-	-	-	-	4	4
United Kingdom	-29	8	-55	4	-	1	1	73	46	119
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-9	-	-	-8	-8	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	28	-2	-88	16	-	-66	-66	-1	11	11
Total	7,374	-159	-1,008	325	-	-563	-563	251	408	659
Persian Gulf²	1,919	0	-	16	-	0	0	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, May 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	0	-	0	-	-	-	-55	-16	-5	-	-77
Algeria	-	-	-	-	-	-	-	-8	-	-	-8
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-36	-9	-9	-	-53
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	0	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	-	-	-	-	0	-	-	-	0
United Arab Emirates	-	-	0	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-19	-	3	-	-15
Non-OPEC	-21	-33	-91	23	15	-	-1,126	-81	-119	12	-1,314
Argentina	-	-	0	25	-	-	-45	-10	-21	-	-76
Aruba	-	-	-	-	-	-	0	-	-	-	0
Australia	-	0	-	-	-	-	-	-	0	-	0
Bahamas	-	-	0	-	-	-	-6	-1	-37	-	-45
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	0	0	-	-	-	-11	-	-9	8	-12
Brazil	2	5	-48	-	-	-	-230	-19	-3	-	-252
Brunei	-	-	-	-	-	-	0	-	-	-	0
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-24	-2	-	-	69	-8	8	-	69
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	5	-	-	-	5
Colombia	-	0	-2	-	-	-	-19	-	-	-	-19
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-13	-2	-	-	-15
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-	-	-	-	-47	-	-	-	-47
Germany	-	0	-	-	-	-	0	-	-	-	0
Guatemala	-	0	-	-	-	-	-12	-17	-3	-	-32
Honduras	-	-	-	-	-	-	-12	-8	-3	-	-23
India	-	0	0	-	-	-	0	-	-	4	4
Indonesia	-	-	0	-	-	-	-	-	-	-	-
Italy	-	0	-	-	-	-	-15	-	-	-	-15
Japan	-	-38	0	-	-	-	2	-	-	-	2
Korea, South	-	0	-3	-	-	-	11	-	-	-	11
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	-	-	-	-	-	-	-18	-	-18
Mexico	-15	0	-1	0	-	-	-213	-2	-1	-	-215
Netherlands	-	0	-1	-	-	-	-88	-	-7	-	-94
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	0	0	-	-	-	-28	-	-	-	-28
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	0	-	-	-	0
Russia	-	-	-	-	-	-	-	-	5	-	5
Spain	-	-	0	-	-	-	-26	-	-	-	-26
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	0	-	-	-	-	-44	-	-	-	-44
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-8	0	-12	0	15	-	-404	-14	-30	0	-449
Total	-21	-33	-91	23	15	-	-1,181	-98	-124	12	-1,390
Persian Gulf²	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, May 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	-	-	17	-	19	-	-
Algeria	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	0	-	-7	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-
Libya	0	-	-	-	-	10	-	-
Nigeria	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-
United Arab Emirates	0	-	-	-	-	-	-	-
Venezuela	-	-	-	17	-	15	-	-
Non-OPEC	-8	0	-	-63	12	-69	34	32
Argentina	0	-	-	-	-	-	-	1
Aruba	-	-	-	-2	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	-3	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-3	-	-
Brazil	-	-	-	-3	-	-	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-3	0	-	-10	4	-24	2	2
Chad	-	-	-	0	-	-	-	-
China	0	-	-	2	-	-30	-	-
Colombia	-	-	-	-	-	16	16	-
Denmark	-	-	-	-7	-	-	-	-
Dominican Republic	-	-	-	-4	-	0	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-10	-	-	-	1
Germany	-	-	-	-	-	-	-	-
Guatemala	0	-	-	-4	-	-1	-	-
Honduras	-2	-	-	-2	-	-8	-	-
India	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	0	-	-	-	-
Japan	-	-	-	10	5	0	3	-
Korea, South	0	-	-	83	2	-	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-
Mexico	0	-	-	-36	1	58	10	-
Netherlands	0	-	-	-4	-	-13	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	23
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-13	-	-31	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	0	-	-	-	-
Russia	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-3	-	-	0	-	-	-	-
Trinidad and Tobago	0	-	-	0	-	31	-	-
United Kingdom	-	-	-	-	-	0	2	-
Vietnam	0	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	0	-	-9	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-62	0	-52	1	5
Total	-8	0	-	-46	12	-50	34	32
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, May 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	-11	4	3	0	31	3,449
Algeria	-	-	0	0	-	101	188
Angola	-	-	-	0	-	0	105
Ecuador	0	-6	0	-2	-	-103	127
Equatorial Guinea	-	-	-	0	-	0	21
Gabon	-	-	-	0	-	3	3
Iran	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	0	619
Kuwait	-	0	0	0	0	0	174
Libya	-	-	-	0	-	19	87
Nigeria	-	-	-	-2	-	12	292
Qatar	-	-4	-	3	-	0	0
Saudi Arabia	-	0	0	0	-	16	1,109
United Arab Emirates	0	0	0	3	-	3	36
Venezuela	0	-2	4	0	-	-20	688
Non-OPEC	1	-578	24	-63	-1	-2,919	1,038
Argentina	0	5	0	-23	-	-80	-89
Aruba	-	-	0	0	-	-41	-41
Australia	0	-9	0	0	-	-45	-45
Bahamas	-	-	0	0	-	-52	-75
Bahrain	0	-	-	0	-	0	0
Belgium	0	-5	0	-15	0	24	24
Brazil	0	-12	0	-7	0	-421	-299
Brunei	-	-	-	0	-	0	0
Cameroon	-	-	0	0	-	0	0
Canada	0	-21	27	2	0	12	3,209
Chad	-	-	-	-	-	0	0
China	2	-80	0	-2	0	-241	-387
Colombia	0	0	-1	-2	0	-58	272
Denmark	-	-	-	0	-	-5	-5
Dominican Republic	0	-6	0	-1	-	-61	-77
Estonia	-	-	-	-	-	0	0
Finland	-	-	-	0	0	0	0
France	0	-20	-	-2	-	-64	-85
Germany	0	-9	0	-4	0	-11	-11
Guatemala	-	-	-	-1	-	-101	-93
Honduras	0	-9	-1	0	-	-69	-69
India	0	-86	0	0	0	-68	-68
Indonesia	0	-	0	5	-	-4	-4
Italy	0	-21	0	1	-	-21	-42
Japan	0	-46	0	0	0	-217	-227
Korea, South	0	-24	0	21	0	-7	-24
Latvia	0	-	-	0	-	0	0
Lithuania	-	-	-	0	-	0	0
Malaysia	0	-9	0	0	-	-25	-93
Mexico	0	-66	-3	-18	0	-738	-69
Netherlands	0	-15	0	-5	0	-144	-253
Netherlands Antilles	-	-	-	-	-	-	-
Norway	0	-3	-	0	-	34	12
Oman	0	0	-	2	-	-12	-12
Panama	0	-	-1	0	0	-110	-110
Portugal	-	-5	-	-	-	31	31
Puerto Rico	0	0	0	0	-	-1	-1
Russia	-	-	0	0	-	316	401
Spain	0	-23	-	0	-	10	-12
Sweden	0	0	-	0	-	7	7
Trinidad and Tobago	0	0	0	0	-	42	74
United Kingdom	0	0	0	0	-	34	5
Vietnam	0	-8	-	0	-	-8	-8
Virgin Islands, U.S.	-	-	0	0	-	-26	-26
Yemen	-	-	-	0	-	0	0
Other	-1	-106	3	-14	-1	-799	-772
Total	1	-590	28	-60	-1	-2,888	4,486
Persian Gulf²	0	-4	0	6	0	19	1,938

- = 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-May 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	3,412	0	-18	120	-	-48	-48	0	27	27
Algeria	76	-	-	123	-	-	-	-	0	0
Angola	74	-	-	5	-	-	-	-	2	2
Ecuador	217	0	-16	0	-	-29	-29	0	0	0
Equatorial Guinea	4	-	0	-	-	-	-	-	-	-
Gabon	-	-	-	1	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	600	-	-	4	-	-	-	-	-	-
Kuwait	169	-	0	-	-	-	-	-	-	-
Libya	32	-	-	9	-	-	-	-	-	-
Nigeria	290	-	-	2	-	-4	-4	-	14	14
Qatar	-	-	-	-	-	0	0	-	-	-
Saudi Arabia	1,218	0	-	3	-	0	0	0	0	0
United Arab Emirates	10	0	-	4	-	0	0	-	-	-
Venezuela	721	-	-2	-31	-	-15	-15	-	12	12
Non-OPEC	3,834	-174	-1,018	224	-	-586	-586	221	286	507
Argentina	-5	0	0	-2	-	-8	-8	-	3	3
Aruba	-	0	-41	0	-	-2	-2	-	-	-
Australia	-1	0	-15	0	-	0	0	0	0	0
Bahamas	-8	0	-1	-1	-	-5	-5	0	0	0
Bahrain	-	-	-	-	-	0	0	0	0	0
Belgium	-	0	-1	31	-	3	3	4	14	19
Brazil	184	0	-44	-8	-	-32	-32	-	-1	-1
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	0	-	1	-	0	0	-	0	0
Canada	3,195	-184	112	-59	-	4	4	112	59	171
Chad	12	-	-	-	-	-	-	-	-	-
China	-195	0	-152	-14	-	0	0	-	0	0
Colombia	323	0	-1	-43	-	-33	-33	-	8	8
Denmark	-5	-	-	0	-	0	0	0	1	1
Dominican Republic	-9	0	-37	0	-	-10	-10	-	-1	-1
Estonia	-	-	-	0	-	-	-	-	0	0
Finland	-	-	-	0	-	0	0	0	8	8
France	-22	0	-20	-2	-	1	1	18	6	23
Germany	-	0	0	2	-	1	1	0	0	1
Guatemala	9	0	-9	0	-	-42	-42	-	0	0
Honduras	-	-	-11	0	-	-12	-12	-	-2	-2
India	-10	0	-54	16	-	0	0	4	36	40
Indonesia	-	-	-13	0	-	-	-	0	-	0
Italy	-44	-	-2	1	-	2	2	1	10	10
Japan	-33	0	-205	-8	-	-1	-1	0	2	2
Korea, South	-32	-	-111	-7	-	-1	-1	0	16	16
Latvia	-	-	-	-	-	-	-	-	0	0
Lithuania	-	-	-	-	-	-	-	-	5	5
Malaysia	-14	-	-	0	-	0	0	-	1	1
Mexico	597	3	-125	-11	-	-341	-341	0	-40	-40
Netherlands	-79	-1	-53	-8	-	-1	-1	9	23	32
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	9	3	-34	22	-	2	2	6	10	17
Oman	-	-	-	-3	-	-	-	-	-	-
Panama	-3	0	-6	0	-	-29	-29	-	-1	-1
Portugal	-	-	-4	-	-	2	2	5	14	19
Puerto Rico	-	0	0	0	-	0	0	-	0	0
Russia	33	0	-	268	-	1	1	1	38	39
Spain	-13	-	-8	7	-	1	1	1	37	37
Sweden	-	-	2	4	-	1	1	1	6	7
Trinidad and Tobago	9	0	2	6	-	0	0	-	3	3
United Kingdom	-23	2	-36	5	-	6	6	59	28	87
Vietnam	-	-	-	0	-	-	-	0	-	0
Virgin Islands, U.S.	-	-	-4	-	-	-3	-3	-	-1	-1
Yemen	1	-	-	-	-	0	0	-	-	-
Other	-42	3	-147	27	-	-90	-90	0	4	4
Total	7,246	-174	-1,036	344	-	-634	-634	221	313	534
Persian Gulf²	1,997	0	0	11	-	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-May 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	-5	0	-5	-	-	-	-42	-12	-2	-	-56
Algeria	-	-	-	-	-	-	-1	-2	-	-	-3
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	0	-	-	-	-28	-8	-2	-	-38
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	0	-	-	-	0
Kuwait	-	-	0	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-2	-	-	-	-	-	-	-	-
Qatar	-	-	0	-	-	-	-	-	-	-	-
Saudi Arabia	0	0	0	-	-	-	0	-	-	-	0
United Arab Emirates	-	0	-4	-	-	-	0	-	-	-	0
Venezuela	-5	-	0	-	-	-	-13	-2	-1	-	-16
Non-OPEC	-21	-26	-83	15	12	-	-918	-118	-42	6	-1,073
Argentina	1	0	0	16	-	-	-39	-4	-4	-	-48
Aruba	-	-	-	-	-	-	-6	-	-	-	-6
Australia	0	0	0	-	-	-	0	-	0	-	0
Bahamas	-	0	0	-	-	-	-5	0	-11	-	-17
Bahrain	-	-	0	-	-	-	-	-	-	-	-
Belgium	1	0	0	0	-	-	-4	-2	-3	2	-7
Brazil	1	4	-34	-	-	-	-161	-11	-1	-	-173
Brunei	-	-	-	-	-	-	0	-	-	-	0
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-20	0	-	-	81	-14	28	0	96
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	1	-	-	-	1
Colombia	-	0	-1	-	-	-	-24	-	0	-	-24
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-9	-1	-1	-	-10
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	0	-	-	-	-49	-2	-2	1	-52
Germany	1	0	0	0	-	-	0	-	-	-	0
Guatemala	-	0	0	-	-	-	-23	-12	-1	-	-36
Honduras	-	-	-	-	-	-	-9	-5	-1	-	-15
India	-	0	-11	-	-	-	15	-	-	1	16
Indonesia	-	0	0	-	-	-	-	-	-	-	-
Italy	-	0	0	0	-	-	-4	0	-	-	-4
Japan	-	-30	0	-	-	-	1	-	-	-	1
Korea, South	-	0	-2	-	-	-	2	-	-	-	2
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	0	-	-	-	0	-	-11	-	-11
Mexico	-22	0	-2	0	-	-	-214	-3	0	-	-217
Netherlands	5	0	-1	0	-	-	-55	-10	-4	-	-69
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	0	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	0	0	-	-	-	-35	-8	-2	-	-45
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	-1	-	-	-	0	0	0	-	0
Russia	-	0	-	-	-	-	-	-	3	2	5
Spain	-	-	0	0	-	-	-13	-	-	-	-13
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	0	0	-	-	-	0	-	2	-	2
United Kingdom	-	0	0	-	-	-	-45	0	-	-	-45
Vietnam	-	0	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	-	-	0	-	-	-	-12	-2	-6	-	-20
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-8	0	-11	-1	12	-	-311	-44	-28	0	-384
Total	-26	-26	-88	15	12	-	-960	-130	-44	6	-1,129
Persian Gulf²	0	0	-4	-	-	-	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-May 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	-	-	13	0	7	-	-
Algeria	-	-	-	-	-	2	-	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-1	-	-11	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	0	-	-	-	-
Libya	0	-	-	-	-	2	-	-
Nigeria	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	-	0	0	0	-	-
United Arab Emirates	0	-	-	-	-	-2	-	-
Venezuela	-	-	-	14	-	16	-	-
Non-OPEC	-2	0	-	-55	13	-102	33	14
Argentina	0	-	-	-2	-	3	-	1
Aruba	0	-	-	-1	-	-2	-1	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	-2	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	0	-	-
Brazil	0	-	-	-7	0	2	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-1	0	-	-23	4	-7	2	2
Chad	-	-	-	0	-	-	-	-
China	1	-	-	9	-	-8	-	-
Colombia	0	-	-	-4	-	9	6	-
Denmark	-	-	-	-3	-	-	-	-
Dominican Republic	0	-	-	-7	-	-1	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	0	-	-	-2	-	-	-	-
France	-	-	-	-4	0	-	-	1
Germany	0	-	-	-	0	0	-	-
Guatemala	0	-	-	-3	-	-4	-	-
Honduras	0	-	-	-2	-	-10	-	-
India	-	-	-	5	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	0	-	2	-	-
Japan	-	-	-	12	3	0	1	-
Korea, South	0	-	-	87	2	0	0	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	0	-	-	-	-
Mexico	0	-	-	-38	2	34	10	-
Netherlands	0	0	-	-3	0	-3	1	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	9
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-15	-	-15	-	-
Portugal	-	-	-	-	0	-	-	-
Puerto Rico	0	-	-	0	-	-	-	-
Russia	0	-	-	0	-	6	-	-
Spain	-	-	-	-	-	0	-	-
Sweden	-1	-	-	0	-	2	-	-
Trinidad and Tobago	0	-	-	0	-	18	-	-
United Kingdom	-	-	-	-4	-	0	3	-
Vietnam	0	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-2	-	-8	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-1	0	-	-47	2	-118	10	1
Total	-2	0	-	-42	13	-94	33	14
Persian Gulf²	0	-	-	0	0	-2	-	-

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-May 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	-7	3	-5	0	26	3,438
Algeria	-	-	0	0	-	122	198
Angola	-	-	-	0	-	7	80
Ecuador	0	-5	0	-2	0	-102	115
Equatorial Guinea	-	-	-	-	-	-	-
Gabon	-	-	-	0	-	1	1
Iran	-	-	-	-	-	-	-
Iraq	-	-	0	0	-	4	604
Kuwait	0	0	0	0	0	0	169
Libya	-	-	-	0	-	11	43
Nigeria	-	-	-	-2	-	8	298
Qatar	0	-1	-	4	-	3	3
Saudi Arabia	0	-1	0	0	0	2	1,220
United Arab Emirates	0	0	0	0	-	-2	8
Venezuela	0	1	3	-5	0	-28	693
Non-OPEC	0	-597	19	-68	-1	-2,967	868
Argentina	0	2	0	-6	0	-39	-44
Aruba	-	-	0	0	-	-53	-53
Australia	0	-7	0	0	0	-22	-24
Bahamas	-	-	0	-3	-	-30	-38
Bahrain	0	-	-	2	-	2	2
Belgium	0	-5	0	-10	0	31	31
Brazil	0	-38	0	-8	0	-338	-154
Brunei	-	0	-	0	-	0	0
Cameroon	-	-	0	0	-	1	1
Canada	-1	-16	25	2	0	108	3,303
Chad	-	-	-	0	-	0	12
China	1	-71	0	-3	0	-237	-432
Colombia	0	0	0	-3	0	-86	237
Denmark	-	-2	0	0	-	-4	-9
Dominican Republic	0	-2	-1	-1	0	-70	-79
Estonia	0	-	-	0	-	0	0
Finland	0	-2	0	0	0	4	4
France	0	-8	0	-2	-	-63	-84
Germany	0	-2	0	-2	0	1	1
Guatemala	0	-5	0	-1	-	-103	-94
Honduras	0	-5	0	0	-	-58	-58
India	0	-87	0	-4	0	-80	-90
Indonesia	0	0	0	3	0	-10	-10
Italy	0	-16	0	0	0	-5	-49
Japan	0	-52	0	-1	0	-277	-310
Korea, South	0	-15	0	13	0	-15	-47
Latvia	0	-	-	0	-	0	0
Lithuania	0	-	-	0	-	5	5
Malaysia	0	-5	0	0	0	-14	-28
Mexico	-1	-66	-3	-16	0	-832	-236
Netherlands	0	-9	0	-3	0	-112	-190
Netherlands Antilles	-	-	-	-	-	-	-
Norway	0	-3	0	0	-	15	24
Oman	0	-1	0	0	-	-4	-4
Panama	0	-	-1	-1	-1	-113	-116
Portugal	0	-4	-	0	-	13	13
Puerto Rico	0	0	0	0	0	-2	-2
Russia	0	0	0	0	-	319	352
Spain	0	-24	3	0	0	3	-9
Sweden	0	0	-	0	0	15	15
Trinidad and Tobago	0	0	0	0	0	31	40
United Kingdom	0	-1	0	0	0	18	-5
Vietnam	0	-5	0	0	0	-6	-6
Virgin Islands, U.S.	-	-	0	0	-	-38	-38
Yemen	-	-	-	0	-	0	1
Other	1	-148	-4	-24	0	-922	-964
Total	0	-603	22	-73	-1	-2,941	4,305
Persian Gulf²	0	-2	0	6	0	9	2,007

- = 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, May 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	16,805	157,789	946,701	23,656	56,395	1,201,346
Refinery	11,444	14,518	46,952	2,662	25,691	101,267
Tank Farms and Pipelines (Includes Cushing, OK)	5,361	143,271	215,271	20,994	26,209	411,106
Cushing, Oklahoma	-	63,957	-	-	-	63,957
Leases ¹	-	-	-	-	-	-
Strategic Petroleum Reserve ²	-	-	684,478	-	-	684,478
Alaskan In Transit	-	-	-	-	4,495	4,495
Total Stocks, All Oils (excluding Crude Oil)³	179,048	180,694	363,960	22,313	91,340	837,356
Refinery	18,287	51,221	122,180	11,267	53,568	256,523
Bulk Terminal	131,725	91,342	186,637	7,032	32,210	448,947
Pipeline	28,794	36,551	51,283	3,875	5,269	125,772
Natural Gas Processing Plant	242	1,580	3,860	139	293	6,114
Pentanes Plus	140	8,879	10,127	336	63	19,545
Refinery	-	377	469	23	4	873
Bulk Terminal	74	1,305	7,113	17	4	8,513
Pipeline	11	6,962	2,329	256	-	9,558
Natural Gas Processing Plant	55	235	216	40	55	601
Liquefied Petroleum Gases	6,200	33,258	110,180	2,991	3,429	156,058
Refinery	742	4,329	8,151	430	1,478	15,130
Bulk Terminal	4,549	20,005	85,243	846	1,702	112,345
Pipeline	722	7,579	13,142	1,616	11	23,070
Natural Gas Processing Plant	187	1,345	3,644	99	238	5,513
Ethane/Ethylene	394	5,957	49,818	449	-	56,618
Refinery	-	-	184	-	-	184
Bulk Terminal	211	3,072	43,971	-	-	47,254
Ethylene	-	-	-	-	-	-
Pipeline	183	2,648	5,089	449	-	8,369
Natural Gas Processing Plant	-	237	574	-	-	811
Propane/Propylene	3,729	15,243	29,185	1,061	942	50,160
Refinery	185	1,724	1,670	74	118	3,771
Bulk Terminal	2,896	9,812	20,325	182	789	34,004
Nonfuel Use	-	12	2,495	-	-	2,507
Pipeline	522	3,017	5,614	743	11	9,907
Natural Gas Processing Plant	126	690	1,576	62	24	2,478
Normal Butane/Butylene	1,902	9,993	24,870	1,217	2,000	39,982
Refinery	412	2,221	4,894	245	912	8,684
Bulk Terminal	1,442	6,347	17,246	663	913	26,611
Refinery Grade Butane	15	2,439	3,999	361	114	6,928
Pipeline	6	1,189	1,675	279	-	3,149
Natural Gas Processing Plant	42	236	1,055	30	175	1,538
Isobutane/Isobutylene	175	2,065	6,307	264	487	9,298
Refinery	145	384	1,403	111	448	2,491
Bulk Terminal	-	774	3,701	1	-	4,476
Pipeline	11	725	764	145	-	1,645
Natural Gas Processing Plant	19	182	439	7	39	686
Other Hydrocarbons	-	28	-	-	-	28
Refinery	-	28	-	-	-	28
Oxygenates (excluding Fuel Ethanol)	-	6	1,538	-	-	1,544
Refinery	-	-	-	-	-	-
Bulk Terminal	-	6	1,538	-	-	1,544
Pipeline	-	-	-	-	-	-
MTBE	-	-	1,349	-	-	1,349
Refinery	-	-	-	-	-	-
Bulk Terminal ⁴	-	-	1,349	-	-	1,349
Pipeline	-	-	-	-	-	-
Other Oxygenates⁵	-	6	189	-	-	195
Refinery	-	-	-	-	-	-
Bulk Terminal	-	6	189	-	-	195
Pipeline	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	9,879	9,032	5,693	337	3,774	28,716
Refinery	202	145	358	100	348	1,153
Bulk Terminal	9,677	8,887	5,335	234	3,426	27,560
Pipeline	-	-	-	3	-	3
Fuel Ethanol³	8,206	8,046	3,772	323	2,562	22,909
Refinery	197	107	161	89	40	594
Bulk Terminal	8,009	7,939	3,611	231	2,522	22,312
Pipeline	-	-	-	3	-	3
Renewable Diesel Fuel	1,673	986	1,914	14	1,180	5,768
Refinery	5	38	197	11	276	527
Bulk Terminal	1,668	948	1,717	3	904	5,241
Pipeline	-	-	-	-	-	-
Other Renewable Fuels	-	-	7	-	32	39
Refinery	-	-	-	-	32	32
Bulk Terminal	-	-	7	-	-	7
Pipeline	-	-	-	-	-	-

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	5,348	13,961	46,800	3,390	23,733	93,232
Naphthas and Lighter	1,289	3,578	12,542	853	4,728	22,990
Refinery	1,283	3,520	10,696	853	3,975	20,327
Bulk Terminal	6	58	1,846	—	753	2,663
Kerosene and Light Gas Oils	770	2,805	7,082	551	4,302	15,510
Refinery	770	2,805	7,017	551	4,070	15,213
Bulk Terminal	—	—	65	—	232	297
Heavy Gas Oils	2,372	5,189	22,065	1,520	11,160	42,306
Refinery	2,371	5,179	19,274	1,520	11,041	39,385
Bulk Terminal	1	10	2,791	—	119	2,921
Residuum	917	2,389	5,111	466	3,543	12,426
Refinery	917	2,092	5,111	466	3,543	12,129
Bulk Terminal	—	297	—	—	—	297
Motor Gasoline Blending Components³	66,453	48,995	73,182	5,979	25,529	220,138
Refinery	5,460	13,702	26,886	3,121	13,287	62,456
Bulk Terminal	48,141	24,843	29,501	2,046	9,847	114,378
Pipeline	12,852	10,450	16,795	812	2,395	43,304
Reformulated - RBOB	21,944	6,717	12,445	—	12,089	53,195
Refinery	1,396	1,180	2,196	—	4,858	9,630
Bulk Terminal	15,553	3,422	4,996	—	5,758	29,729
Pipeline	4,995	2,115	5,253	—	1,473	13,836
Conventional	44,509	42,278	60,737	5,979	13,440	166,943
Refinery	4,064	12,522	24,690	3,121	8,429	52,826
Bulk Terminal	32,588	21,421	24,505	2,046	4,089	84,649
Pipeline	7,857	8,335	11,542	812	922	29,468
CBOB	31,460	35,072	31,126	4,437	6,599	108,694
Refinery	1,292	6,561	9,579	1,580	2,315	21,327
Bulk Terminal	22,311	20,626	10,208	2,045	3,368	58,558
Pipeline	7,857	7,885	11,339	812	916	28,809
GTAB	1,096	—	—	—	—	1,096
Refinery	—	—	—	—	—	—
Bulk Terminal	1,096	—	—	—	—	1,096
Pipeline	—	—	—	—	—	—
Other	11,953	7,206	29,611	1,542	6,841	57,153
Refinery	2,772	5,961	15,111	1,541	6,114	31,499
Bulk Terminal	9,181	795	14,297	1	721	24,995
Pipeline	—	450	203	—	6	659
Aviation Gasoline Blending Components	—	—	14	—	—	14
Refinery	—	—	14	—	—	14
Bulk Terminal	—	—	—	—	—	—
Finished Motor Gasoline	3,977	6,295	8,069	1,697	1,945	21,937
Refinery	43	1,621	3,259	682	767	6,372
Bulk Terminal	1,731	2,547	3,101	699	1,163	9,241
Pipeline	2,203	2,127	1,709	316	15	6,370
Reformulated	33	—	—	—	13	46
Refinery	—	—	—	—	13	13
Bulk Terminal	33	—	—	—	—	33
Pipeline	—	—	—	—	—	—
Reformulated (Blended with Fuel Ethanol)	33	—	—	—	13	46
Refinery	—	—	—	—	13	13
Bulk Terminal	33	—	—	—	—	33
Pipeline	—	—	—	—	—	—
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	3,944	6,295	8,069	1,697	1,932	21,937
Refinery	43	1,621	3,259	682	754	6,359
Bulk Terminal	1,698	2,547	3,101	699	1,163	9,208
Pipeline	2,203	2,127	1,709	316	15	6,370
Conventional (Blended with Fuel Ethanol)	34	181	—	58	—	273
Refinery	—	—	—	57	—	57
Bulk Terminal	34	181	—	1	—	216
Pipeline	—	—	—	—	—	—
Ed55 and Lower	34	181	—	58	—	273
Refinery	—	—	—	57	—	57
Bulk Terminal	34	181	—	1	—	216
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional (Other)	3,910	6,114	8,069	1,639	1,932	21,664
Refinery	43	1,621	3,259	625	754	6,302
Bulk Terminal	1,664	2,366	3,101	698	1,163	8,992
Pipeline	2,203	2,127	1,709	316	15	6,370

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	186	206	354	4	212	962
Refinery	—	100	288	4	138	530
Bulk Terminal	186	106	66	—	74	432
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	11,031	7,486	15,071	851	10,015	44,454
Refinery	625	2,136	6,114	374	4,057	13,306
Bulk Terminal	5,534	3,437	3,898	355	4,813	18,037
Pipeline	4,872	1,913	5,059	122	1,145	13,111
Kerosene	1,599	149	141	1	13	1,903
Refinery	128	125	121	1	3	378
Bulk Terminal	1,461	24	6	—	10	1,501
Pipeline	10	—	14	—	—	24
Distillate Fuel Oil⁵	55,152	34,248	46,787	4,024	13,582	153,793
Refinery	2,541	6,917	15,290	1,922	5,346	32,016
Bulk Terminal	44,487	19,811	19,267	1,352	6,543	91,460
Pipeline	8,124	7,520	12,230	750	1,693	30,317
15 ppm sulfur and Under	46,824	33,383	41,250	3,720	12,399	137,576
Refinery	1,715	6,406	12,970	1,663	4,485	27,239
Bulk Terminal	38,088	19,708	17,190	1,309	6,443	82,738
Pipeline	7,021	7,269	11,090	748	1,471	27,599
Greater than 15 ppm to 500 ppm sulfur	4,007	495	1,585	247	221	6,555
Refinery	150	152	881	202	165	1,550
Bulk Terminal	3,774	92	429	43	16	4,354
Pipeline	83	251	275	2	40	651
Greater than 500 ppm sulfur	4,321	370	3,952	57	962	9,662
Refinery	676	359	1,439	57	696	3,227
Bulk Terminal	2,625	11	1,648	—	84	4,368
Pipeline	1,020	—	865	—	182	2,067
Residual Fuel Oil⁶	9,082	1,307	24,956	223	4,404	39,972
Refinery	636	1,030	3,813	223	2,515	8,217
Bulk Terminal	8,446	277	21,143	—	1,883	31,749
Pipeline	—	—	—	—	6	6
Less than 0.31% Sulfur	1,605	124	1,540	33	166	3,468
Refinery	192	124	175	33	—	524
Bulk Terminal	1,413	—	1,365	—	166	2,944
0.31% to 1.00% Sulfur	1,114	216	6,339	18	668	8,355
Refinery	96	115	305	18	382	916
Bulk Terminal	1,018	101	6,034	—	286	7,439
Greater than 1.00% Percent Sulfur	6,363	967	17,077	172	3,564	28,143
Refinery	348	791	3,333	172	2,133	6,777
Bulk Terminal	6,015	176	13,744	—	1,431	21,366
Petrochemical Feedstocks	162	763	2,601	—	2	3,528
Refinery	162	763	2,601	—	2	3,528
Naphtha for Petrochemical Feedstock Use	162	608	1,654	—	2	2,426
Other Oils for Petrochemical Feedstock Use	—	155	947	—	—	1,102
Special Naphthas	19	128	762	—	48	957
Refinery	16	64	758	—	48	886
Bulk Terminal	3	64	4	—	—	71
Lubricants	964	539	6,784	—	752	9,039
Refinery	469	150	4,156	—	533	5,308
Bulk Terminal	495	389	2,628	—	219	3,731
Waxes	401	47	251	—	—	699
Refinery	401	47	251	—	—	699
Petroleum Coke	—	833	4,341	114	1,548	6,836
Refinery	—	833	4,341	114	1,548	6,836
Asphalt and Road Oil	8,421	14,440	5,850	2,342	2,175	33,228
Refinery	1,487	5,164	2,758	859	753	11,021
Bulk Terminal	6,934	9,276	3,092	1,483	1,422	22,207
Miscellaneous Products	34	94	459	24	116	727
Refinery	34	94	454	24	112	718
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	5	—	4	9
Total Stocks, All Oils	195,853	338,483	1,310,661	45,969	147,735	2,038,702

— = 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, May 2017
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	33	1,741	1,774	16,949	36,652	53,601	1,589
Connecticut	—	—	—	1,392	58	1,450	249
Delaware	—	—	—	670	839	1,509	113
District of Columbia	—	—	—	—	—	—	—
Florida	—	783	783	—	7,439	7,439	—
Georgia	—	288	288	—	2,923	2,923	—
Maine	—	—	—	361	412	773	73
Maryland	—	—	—	1,136	142	1,278	54
Massachusetts	7	—	7	1,801	—	1,801	15
New Hampshire	—	—	—	—	—	—	6
New Jersey	—	22	22	6,588	11,632	18,220	25
New York	26	—	26	1,152	2,222	3,374	438
North Carolina	—	188	188	—	2,781	2,781	270
Pennsylvania	—	23	23	1,252	4,887	6,139	127
Rhode Island	—	—	—	676	—	676	—
South Carolina	—	250	250	—	1,554	1,554	28
Vermont	—	34	34	—	—	—	3
Virginia	—	114	114	1,921	1,634	3,555	188
West Virginia	—	39	39	—	129	129	—
PAD District 2	—	4,168	4,168	4,602	33,943	38,545	149
Illinois	—	499	499	2,270	4,588	6,858	124
Indiana	—	261	261	986	4,900	5,886	—
Iowa	—	175	175	—	2,106	2,106	—
Kansas	—	285	285	—	3,540	3,540	15
Kentucky	—	277	277	334	1,181	1,515	7
Michigan	—	232	232	45	2,542	2,587	—
Minnesota	—	450	450	14	2,082	2,096	—
Missouri	—	144	144	376	611	987	—
Nebraska	—	83	83	—	876	876	—
North Dakota	—	38	38	—	549	549	—
Ohio	—	967	967	15	3,650	3,665	—
Oklahoma	—	394	394	—	3,192	3,192	3
South Dakota	—	54	54	—	443	443	—
Tennessee	—	161	161	—	2,058	2,058	—
Wisconsin	—	148	148	562	1,625	2,187	—
PAD District 3	—	6,360	6,360	7,192	49,195	56,387	127
Alabama	—	151	151	—	1,497	1,497	4
Arkansas	—	197	197	—	693	693	—
Louisiana	—	1,178	1,178	822	11,050	11,872	84
Mississippi	—	1,430	1,430	67	1,801	1,868	—
New Mexico	—	82	82	—	553	553	—
Texas	—	3,322	3,322	6,303	33,601	39,904	39
PAD District 4	—	1,381	1,381	—	5,167	5,167	1
Colorado	—	290	290	—	1,695	1,695	—
Idaho	—	293	293	—	214	214	—
Montana	—	300	300	—	1,184	1,184	—
Utah	—	95	95	—	1,219	1,219	1
Wyoming	—	403	403	—	855	855	—
PAD District 5	13	1,917	1,930	10,616	12,518	23,134	13
Alaska	—	732	732	—	—	—	10
Arizona	—	89	89	682	287	969	—
California	13	396	409	9,849	6,788	16,637	3
Hawaii	—	1	1	—	695	695	—
Nevada	—	178	178	23	340	363	—
Oregon	—	64	64	—	1,131	1,131	—
Washington	—	457	457	62	3,277	3,339	—
U.S. Total	46	15,567	15,613	39,359	137,475	176,834	1,879

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, May 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	39,803	3,924	3,301	47,028	9,082	3,207
Connecticut	2,016	1,227	147	3,390	5	—
Delaware	489	33	59	581	626	15
District of Columbia	—	—	—	—	—	—
Florida	2,523	98	—	2,621	1,418	25
Georgia	1,651	—	—	1,651	246	6
Maine	1,029	19	454	1,502	125	—
Maryland	3,741	288	—	4,029	861	2
Massachusetts	721	766	127	1,614	158	—
New Hampshire	305	—	186	491	40	516
New Jersey	12,996	360	1,003	14,359	3,575	144
New York	5,971	95	293	6,359	624	531
North Carolina	1,144	—	7	1,151	—	196
Pennsylvania	3,732	195	686	4,613	577	1,417
Rhode Island	543	599	—	1,142	1	—
South Carolina	985	—	—	985	371	273
Vermont	22	—	9	31	—	—
Virginia	1,814	231	330	2,375	455	5
West Virginia	121	13	—	134	—	77
PAD District 2	26,114	244	370	26,728	1,307	12,226
Illinois	3,864	—	—	3,864	367	698
Indiana	3,621	—	130	3,751	74	394
Iowa	2,566	2	—	2,568	2	279
Kansas	2,462	—	—	2,462	26	6,186
Kentucky	849	—	6	855	191	315
Michigan	1,418	42	—	1,460	146	3,233
Minnesota	1,890	6	13	1,909	80	176
Missouri	848	42	6	896	76	127
Nebraska	1,086	—	—	1,086	—	102
North Dakota	881	1	—	882	90	58
Ohio	1,921	—	27	1,948	118	558
Oklahoma	2,009	109	71	2,189	16	34
South Dakota	545	—	—	545	—	21
Tennessee	909	—	—	909	88	4
Wisconsin	1,245	42	117	1,404	33	41
PAD District 3	30,160	1,310	3,087	34,557	24,956	23,571
Alabama	1,013	3	30	1,046	483	28
Arkansas	809	—	26	835	—	69
Louisiana	5,103	730	1,239	7,072	11,453	1,388
Mississippi	1,016	428	189	1,633	38	2,370
New Mexico	355	—	—	355	41	1
Texas	21,864	149	1,603	23,616	12,941	19,715
PAD District 4	2,972	245	57	3,274	223	318
Colorado	500	—	—	500	18	22
Idaho	230	—	—	230	—	—
Montana	1,121	112	—	1,233	85	48
Utah	576	58	57	691	46	200
Wyoming	545	75	—	620	74	48
PAD District 5	10,928	181	780	11,889	4,398	931
Alaska	1,245	—	59	1,304	294	3
Arizona	589	1	—	590	—	570
California	5,711	165	361	6,237	2,372	176
Hawaii	267	—	357	624	833	76
Nevada	335	—	3	338	—	—
Oregon	753	—	—	753	7	—
Washington	2,028	15	—	2,043	892	106
U.S. Total	109,977	5,904	7,595	123,476	39,966	40,253

— = 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, May 2017
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	302	74	0	1,895	39,673	7,056	4,917	465	34,136
Petroleum Products	14,948	421	0	13,664	34,225	7,462	5,180	104,362	21,903
Pentanes Plus	10	0	-	0	1,375	335	-	0	5,983
Liquefied Petroleum Gases	4,861	404	0	2,356	21,640	3,659	509	725	2,003
Unfinished Oils	35	0	-	0	434	-	-	0	109
Motor Gasoline Blending Components	7,036	0	0	1,339	1,507	1,277	0	58,169	7,723
Reformulated - RBOB	0	0	0	208	183	-	0	9,231	3,553
Conventional	7,036	0	0	1,131	1,324	1,277	0	48,938	4,170
CBOB	7,036	0	0	1,131	1,141	1,277	0	48,938	3,493
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	183	-	0	-	677
Renewable Fuels	0	0	0	8,874	6,922	-	0	364	0
Fuel Ethanol	0	0	0	8,839	6,817	515	4,372	364	0
Renewable Diesel Fuel ²	0	0	0	35	105	18	299	0	0
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	132	0	0	139	264	153	0	4,679	1,297
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	132	0	0	139	264	153	0	4,679	1,297
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	132	0	0	139	264	153	0	4,679	1,297
Finished Aviation Gasoline	0	0	0	0	0	-	0	1,131	77
Kerosene-Type Jet Fuel	241	0	0	112	30	682	0	14,211	1,615
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,624	0	0	834	1,122	823	0	24,291	2,629
15 ppm sulfur and under	2,624	0	0	834	1,122	823	0	22,925	2,529
Greater than 15 ppm to 500 ppm sulfur	0	0	-	0	0	-	-	477	100
Greater than 500 ppm sulfur	0	0	-	0	0	0	-	889	0
Residual Fuel Oil	0	17	-	0	837	-	-	0	0
Petrochemical Feedstocks	9	0	-	0	94	-	-	0	0
Naphtha for Petrochemical Feedstock Use	0	0	-	-	94	-	-	-	0
Other Oils for Petrochemical Feedstock Use	9	-	-	0	-	-	-	0	0
Special Naphthas	0	0	-	-	0	-	-	-	10
Lubricants	0	0	-	10	0	-	-	495	173
Waxes	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	0	0	-	-	297	268
Miscellaneous Products	0	0	-	-	0	-	-	-	16
Total	15,250	495	0	15,559	73,898	14,518	10,096	104,827	56,039

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, May 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	0	0	19,235	1,078	148	0	0	0
Petroleum Products	0	6,066	0	8,213	7,636	1,977	0	0	0
Pentanes Plus	0	—	0	740	997	—	0	0	0
Liquefied Petroleum Gases	0	70	0	6,417	6,639	228	0	0	0
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	4,243	0	343	0	986	0	0	0
Reformulated - RBOB	—	2,747	0	0	0	0	0	0	—
Conventional	0	1,496	0	343	0	986	0	0	0
CBOB	0	1,421	0	343	0	986	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	75	—	0	0	0	—	0	—
Renewable Fuels	—	508	0	0	0	0	0	0	—
Fuel Ethanol	0	332	0	0	0	0	0	0	0
Renewable Diesel Fuel ²	0	176	0	0	0	0	0	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	341	0	362	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	341	0	362	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	341	0	362	0	0	0
Finished Aviation Gasoline	—	30	0	0	0	0	0	0	—
Kerosene-Type Jet Fuel	0	263	0	24	0	0	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	0	952	0	348	0	401	0	0	0
15 ppm sulfur and under	0	952	0	285	0	401	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	—	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	—	—
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	6,066	0	27,448	8,714	2,125	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, May 2017
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	66	74	240	39,239	7,056	156	34,136	0	-
Petroleum Products	14,400	0	2,449	22,990	6,929	82,782	20,007	0	5,383
Pentanes Plus	10	0	0	1,375	335	0	5,983	0	-
Liquefied Petroleum Gases	4,435	0	913	19,071	3,659	616	1,827	0	-
Motor Gasoline Blending Components	6,958	0	781	1,324	1,277	46,151	7,316	0	4,168
Reformulated - RBOB	0	0	0	183	-	9,231	3,553	-	2,747
Conventional	6,958	0	781	1,141	1,277	36,920	3,763	0	1,421
CBOB	6,958	0	781	1,141	1,277	36,920	3,438	0	1,421
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	325	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	132	0	112	142	153	1,529	1,007	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	132	0	112	142	153	1,529	1,007	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	132	0	112	142	153	1,529	1,007	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	241	0	112	30	682	13,123	1,615	0	263
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,624	0	531	1,048	823	21,363	2,259	0	952
15 ppm sulfur and under	2,624	0	531	1,048	823	19,997	2,159	0	952
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	-	477	100	-	-
Greater than 500 ppm sulfur	0	0	0	0	0	889	0	0	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	14,466	74	2,689	62,229	13,985	82,938	54,143	0	5,383

See footnotes at end of table.

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

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	19,235	352	-	0	0
Petroleum Products	0	8,213	7,636	1,749	0	0
Pentanes Plus	0	740	997	-	0	0
Liquefied Petroleum Gases	0	6,417	6,639	-	0	0
Motor Gasoline Blending Components	0	343	0	986	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	343	0	986	0	0
CBOB	0	343	0	986	0	0
GTAB	-	-	-	-	-	-
Other	-	0	0	-	0	-
Renewable Fuels	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	341	0	362	0	0
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	341	0	362	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	341	0	362	0	0
Finished Aviation Gasoline	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	24	0	0	0	0
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	0	348	0	401	0	0
15 ppm sulfur and under	0	285	0	401	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	27,448	7,988	1,749	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, May 2017
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	236	0	-	331	281	-
Petroleum Products	122	17	0	898	2,415	0
Liquefied Petroleum Gases	-	0	-	0	0	-
Unfinished Oils	35	0	-	0	434	-
Motor Gasoline Blending Components	78	0	0	558	183	0
Reformulated - RBOB	0	-	-	208	-	-
Conventional	78	0	0	350	183	0
CBOB	78	0	-	350	0	-
GTAB	-	-	-	-	-	-
Other	0	0	0	-	183	0
Renewable Fuels	0	0	-	0	671	-
Fuel Ethanol	0	0	-	0	671	-
Renewable Diesel Fuel ¹	-	0	0	-	0	0
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	0	-	27	122	-
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	0	-	27	122	-
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	0	-	27	122	-
Finished Aviation Gasoline	0	0	0	0	0	0
Kerosene-Type Jet Fuel	-	0	-	0	0	-
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	0	0	-	303	74	-
15 ppm sulfur and under	0	0	-	303	74	-
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-
Residual Fuel Oil	0	17	-	0	837	-
Less than 0.31 percent sulfur	0	0	-	-	64	-
0.31 to 1.00 percent sulfur	-	17	-	0	0	-
Greater than 1.00 percent sulfur	0	0	-	-	773	-
Petrochemical Feedstocks	9	0	-	0	94	-
Naphtha for Petrochemical Feedstock Use	9	0	-	-	94	-
Other Oils for Petrochemical Feedstock Use	9	-	-	0	-	-
Special Naphthas	0	0	-	-	0	-
Lubricants	0	0	-	10	0	-
Waxes	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	0	0	-
Miscellaneous Products	0	0	-	-	0	-
Total	358	17	0	1,229	2,696	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, May 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	309	—	309	—	0	—	0	0	0
Petroleum Products	21,500	—	246	21,254	1,720	281	0	0	0
Liquefied Petroleum Gases	29	—	—	29	—	—	0	—	0
Unfinished Oils	0	—	—	—	109	—	0	0	0
Motor Gasoline Blending Components	12,018	—	—	12,018	407	75	0	0	0
Reformulated - RBOB	0	—	—	—	0	—	0	0	—
Conventional	12,018	—	—	12,018	407	75	0	0	0
CBOB	12,018	—	—	12,018	55	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	352	75	—	0	0
Renewable Fuels	364	—	—	364	0	—	0	0	0
Fuel Ethanol	364	—	—	364	0	—	0	0	0
Renewable Diesel Fuel ¹	—	—	—	—	—	176	—	—	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	3,150	—	—	3,150	290	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	3,150	—	—	3,150	290	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	3,150	—	—	3,150	290	—	0	0	0
Finished Aviation Gasoline	1,131	—	14	1,117	77	30	0	0	0
Kerosene-Type Jet Fuel	1,088	—	—	1,088	—	—	0	—	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,928	—	—	2,928	370	—	0	0	0
15 ppm sulfur and under	2,928	—	—	2,928	370	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	0	—	—	—	0	—	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	—
Special Naphthas	—	—	—	—	10	—	—	0	0
Lubricants	495	—	205	290	173	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	297	—	27	270	268	—	0	0	0
Miscellaneous Products	—	—	—	—	16	—	—	0	0
Total	21,809	—	555	21,254	1,720	281	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, May 2017
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	1,324	153	0	4,917
Propane	73	305	0	0	732	1,616	0	254
Propylene	0	0	-	-	266	556	-	-
Normal Butane	270	81	0	0	253	330	0	202
Isobutane	83	18	0	0	192	67	0	53
Fuel Ethanol	0	0	0	0	8,839	6,146	515	4,372
Biodiesel	0	0	0	0	35	105	18	299

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	726	148
Propane	55	85	0	0	0	0	0	142
Propylene	0	0	-	-	0	0	0	-
Normal Butane	23	16	0	39	0	0	0	67
Isobutane	2	75	0	31	0	0	0	19
Fuel Ethanol	0	0	0	332	0	0	0	0
Biodiesel	0	0	0	0	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, May 2017
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	66	236	0	302
3	74	0	0	74
4	0	-	0	0
5	-	-	0	0
From 2 to				
1	240	331	1,324	1,895
3	39,239	281	153	39,673
4	7,056	-	0	7,056
5	-	-	4,917	4,917
From 3 to				
1	156	309	0	465
2	34,136	0	0	34,136
4	0	-	0	0
5	-	-	0	0
From 4 to				
1	0	0	0	0
2	19,235	0	0	19,235
3	352	0	726	1,078
5	-	-	148	148
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, May 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	2,360	376	1,984	53,673	53,541	132	40,825	34,601	6,224
Petroleum Products	118,026	15,369	102,657	45,064	60,531	-15,467	42,282	132,331	-90,049
Pentanes Plus	0	10	-10	6,733	1,710	5,023	2,372	5,983	-3,611
Liquefied Petroleum Gases	3,081	5,265	-2,184	13,281	28,164	-14,883	28,683	2,798	25,885
Ethane/Ethylene	45	4,372	-4,327	6,753	10,299	-3,546	11,930	513	11,417
Propane/Propylene	2,566	423	2,143	3,714	13,411	-9,697	12,429	1,433	10,996
Normal Butane/Butylene	276	356	-80	1,656	3,271	-1,615	3,088	272	2,816
Isobutane/Isobutylene	194	114	80	1,158	1,183	-25	1,236	580	656
Unfinished Oils	0	35	-35	144	434	-290	434	109	325
Motor Gasoline Blending Components	59,508	7,036	52,472	15,102	4,123	10,979	1,507	70,135	-68,628
Reformulated - RBOB	9,439	0	9,439	3,553	391	3,162	183	15,531	-15,348
Conventional	50,069	7,036	43,033	11,549	3,732	7,817	1,324	54,604	-53,280
CBOB	50,069	7,036	43,033	10,872	3,549	7,323	1,141	53,852	-52,711
GTAB	0	0	-	-	-	-	0	0	-
Other	0	0	-	677	183	494	183	752	-569
Renewable Fuels	9,238	0	9,238	0	21,000	-21,000	6,922	872	6,050
Fuel Ethanol	9,203	0	9,203	0	20,543	-20,543	6,817	696	6,121
Renewable Diesel Fuel ¹	35	0	35	0	457	-457	105	176	-71
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	4,818	132	4,686	1,770	556	1,214	264	5,976	-5,712
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	4,818	132	4,686	1,770	556	1,214	264	5,976	-5,712
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	4,818	132	4,686	1,770	556	1,214	264	5,976	-5,712
Finished Aviation Gasoline	1,131	0	1,131	77	0	77	0	1,238	-1,238
Kerosene-Type Jet Fuel	14,323	241	14,082	1,880	824	1,056	30	16,089	-16,059
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	25,125	2,624	22,501	5,601	2,779	2,822	1,122	27,872	-26,750
15 ppm sulfur and under	23,759	2,624	21,135	5,438	2,779	2,659	1,122	26,406	-25,284
Greater than 15 ppm to 500 ppm sulfur	477	0	477	100	0	100	0	577	-577
Greater than 500 ppm sulfur	889	0	889	63	0	63	0	889	-889
Residual Fuel Oil	0	17	-17	0	837	-837	854	0	854
Petrochemical Feedstocks	0	9	-9	9	94	-85	94	0	94
Naphtha for Petrochemical Feedstock Use	0	0	-	0	94	-94	94	0	94
Other Oils for Petrochemical Feedstock Use	0	9	-9	9	0	9	0	0	-
Special Naphthas	0	0	-	10	0	10	0	10	-10
Lubricants	505	0	505	173	10	163	0	668	-668
Waxes	0	0	-	0	0	-	0	0	-
Asphalt and Road Oil	297	0	297	268	0	268	0	565	-565
Miscellaneous Products	0	0	-	16	0	16	0	16	-16
Total	120,386	15,745	104,641	98,737	114,072	-15,335	83,107	166,932	-83,824

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, May 2017
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	7,056	20,461	-13,405	5,065	0	5,065
Petroleum Products	7,462	17,826	-10,364	13,222	0	13,222
Pentanes Plus	335	1,737	-1,402	0	0	-
Liquefied Petroleum Gases	3,659	13,284	-9,625	807	0	807
Ethane/Ethylene	897	4,441	-3,544	0	0	-
Propane/Propylene	1,768	5,606	-3,838	396	0	396
Normal Butane/Butylene	726	2,155	-1,429	308	0	308
Isobutane/Isobutylene	268	1,082	-814	103	0	103
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	1,277	1,329	-52	5,229	0	5,229
Reformulated - RBOB	-	-	-	2,747	0	2,747
Conventional	1,277	1,329	-52	2,482	0	2,482
CBOB	1,277	1,329	-52	2,407	0	2,407
GTAB	-	-	-	-	-	-
Other	0	0	-	75	0	75
Renewable Fuels	533	0	533	5,178	0	5,178
Fuel Ethanol	515	0	515	4,704	0	4,704
Renewable Diesel Fuel ¹	18	0	18	475	0	475
Other Renewable Fuels	-	-	-	0	0	-
Finished Motor Gasoline	153	703	-550	362	0	362
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	153	703	-550	362	0	362
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	153	703	-550	362	0	362
Finished Aviation Gasoline	0	0	-	30	0	30
Kerosene-Type Jet Fuel	682	24	658	263	0	263
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	823	749	74	1,353	0	1,353
15 ppm sulfur and under	823	686	137	1,353	0	1,353
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	-	-	-	0	0	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	0	-
Waxes	0	0	-	0	0	-
Asphalt and Road Oil	0	0	-	0	0	-
Miscellaneous Products	0	0	-	0	0	-
Total	14,518	38,287	-23,769	18,287	0	18,287

- = 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.

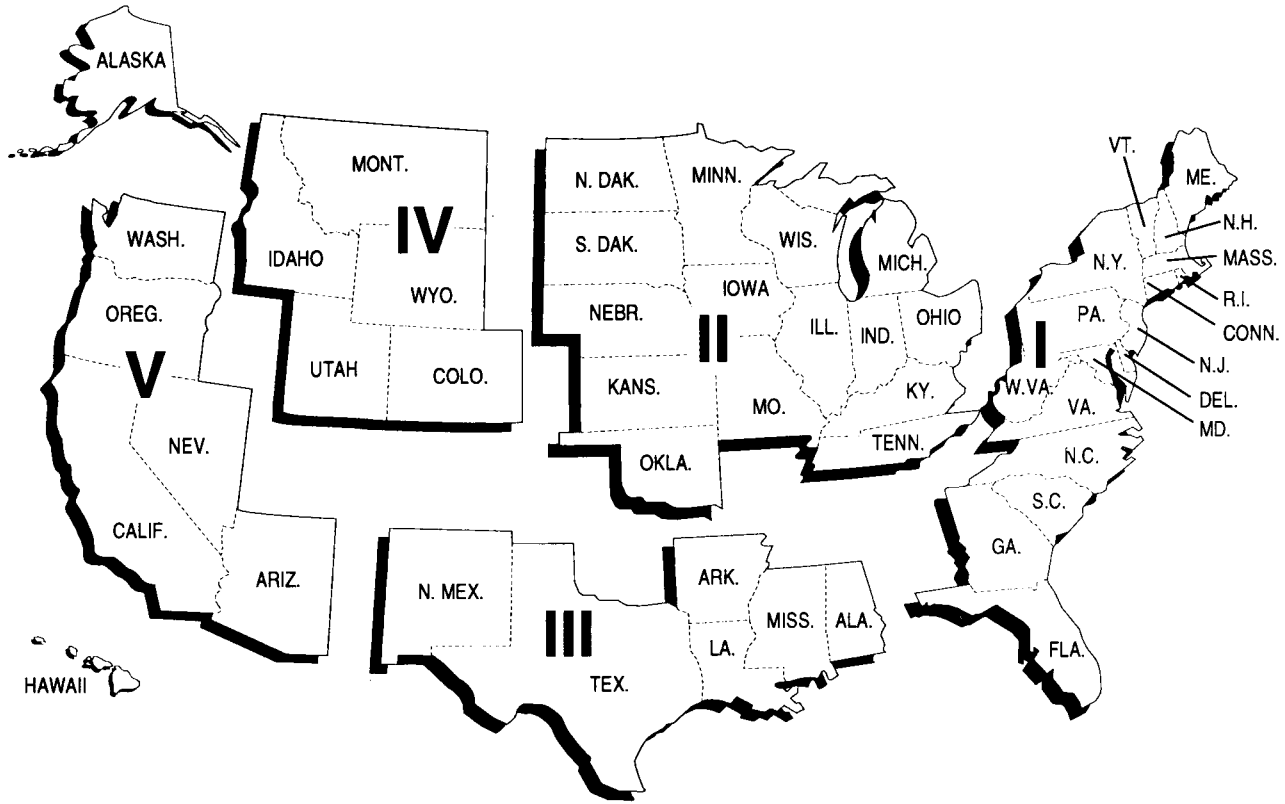
PAD District IV

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

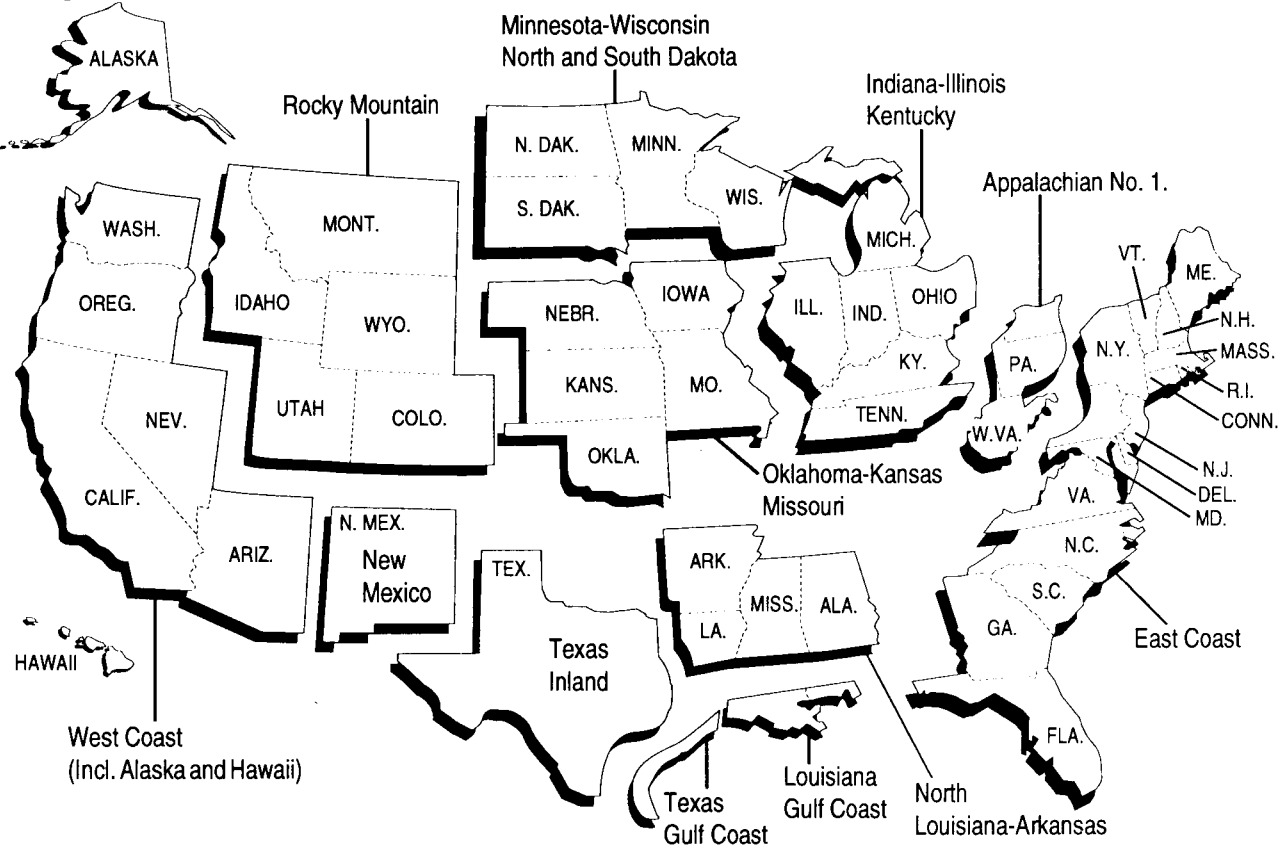
PAD District V

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_mbbl_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_mbbl_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	84
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 (C_3H_8). 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 (C_3H_6). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C_3H_6) (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.