



U.S. Energy Information  
Administration

# Petroleum Supply Monthly

with data for January 2019

March 2019



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## Preface

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

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

### Scope of data

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

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2019**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b> .....	<b>367,993</b>	--	--	<b>233,126</b>	<b>6,059</b>	<b>7,010</b>	<b>520,338</b>	<b>79,830</b>	<b>0</b>	<b>1,097,943</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>140,896</b>	<b>-625</b>	<b>11,608</b>	<b>8,991</b>	--	<b>-22,780</b>	<b>21,110</b>	<b>48,732</b>	<b>113,808</b>	<b>165,737</b>
Natural Gas Liquids .....	140,896	-625	2,764	8,474	--	-23,323	21,110	48,732	104,990	157,038
Ethane .....	55,788	--	49	--	--	-2,252	--	9,957	48,132	47,388
Propane .....	45,946	--	9,211	6,418	--	-12,626	--	30,635	43,566	51,032
Normal Butane .....	11,762	--	-6,167	1,502	--	-9,189	10,193	4,786	1,307	28,546
Isobutane .....	12,371	--	-329	550	--	827	6,528	159	5,078	9,317
Natural Gasoline .....	15,029	-625	--	4	--	-83	4,389	3,196	6,906	20,755
Refinery Olefins .....	--	--	8,844	517	--	543	--	--	8,818	8,699
Ethylene .....	--	--	8	--	--	0	--	--	8	0
Propylene .....	--	--	9,047	480	--	227	--	--	9,300	7,173
Normal Butylene .....	--	--	-214	37	--	320	--	--	-497	1,395
Isobutylene .....	--	--	3	--	--	-4	--	--	7	131
<b>Other Liquids</b> .....	--	<b>37,427</b>	--	<b>34,979</b>	<b>6,748</b>	<b>17,343</b>	<b>43,617</b>	<b>18,628</b>	<b>-435</b>	<b>355,148</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	--	37,432	--	938	5,087	2,920	35,559	4,977	0	34,296
Hydrogen .....	--	--	--	--	6,901	--	6,901	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	2,404	--	87	-332	301	--	1,858	0	1,852
Renewable Fuels (including Fuel Ethanol) ...	--	35,028	--	851	-1,505	2,620	28,634	3,119	0	32,424
Fuel Ethanol <sup>5</sup> .....	--	31,601	--	--	-41	1,688	26,825	3,048	0	25,026
Renewable Fuels Except Fuel Ethanol .....	--	3,427	--	851	-1,465	932	1,809	72	0	7,398
Other Hydrocarbons .....	--	--	--	--	23	-1	24	--	0	20
Unfinished Oils .....	--	--	--	17,879	--	3,147	4,735	10,431	-434	89,003
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	-5	--	16,162	1,661	11,267	3,331	3,220	0	231,809
Reformulated .....	--	-1	--	5,658	7,340	1,388	11,601	8	0	51,489
Conventional .....	--	-4	--	10,504	-5,678	9,879	-8,270	3,213	0	180,320
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	9	-8	--	-1	40
<b>Finished Petroleum Products</b> .....	--	<b>82</b>	<b>607,852</b>	<b>23,373</b>	<b>-142</b>	<b>6,500</b>	--	<b>104,022</b>	<b>520,643</b>	<b>300,789</b>
Finished Motor Gasoline .....	--	82	301,782	1,407	-1,621	3,785	--	26,831	271,035	29,517
Reformulated .....	--	--	95,446	--	-8,444	2	--	--	87,000	46
Conventional .....	--	82	206,336	1,407	6,823	3,783	--	26,831	184,035	29,471
Finished Aviation Gasoline .....	--	--	289	64	--	22	--	--	331	978
Kerosene-Type Jet Fuel .....	--	--	54,902	3,106	--	-385	--	7,887	50,506	41,201
Kerosene .....	--	--	530	--	--	-462	--	186	806	2,133
Distillate Fuel Oil <sup>5</sup> .....	--	--	162,818	9,557	1,479	131	--	38,729	134,993	140,137
15 ppm sulfur and under .....	--	--	150,674	9,129	1,479	976	--	30,521	129,785	124,572
Greater than 15 ppm to 500 ppm sulfur .....	--	--	4,376	320	--	-855	--	3,904	1,647	4,256
Greater than 500 ppm sulfur .....	--	--	7,768	108	--	10	--	4,304	3,562	11,309
Residual Fuel Oil <sup>6</sup> .....	--	--	12,329	5,812	--	1,060	--	7,652	9,429	29,374
Less than 0.31 percent sulfur .....	--	--	2,025	468	--	598	--	NA	NA	2,743
0.31 to 1.00 percent sulfur .....	--	--	1,924	539	--	-389	--	NA	NA	4,328
Greater than 1.00 percent sulfur .....	--	--	8,380	4,805	--	851	--	NA	NA	22,297
Petrochemical Feedstocks .....	--	--	9,410	481	--	-98	--	--	9,989	3,306
Naphtha for Petro. Feed. Use .....	--	--	5,892	351	--	-61	--	--	6,304	2,333
Other Oils for Petro. Feed. Use .....	--	--	3,518	130	--	-37	--	--	3,685	973
Special Naphthas .....	--	--	1,022	155	--	-45	--	--	1,222	1,416
Lubricants .....	--	--	4,953	1,438	--	-283	--	3,180	3,494	13,672
Waxes .....	--	--	127	170	--	7	--	133	157	683
Petroleum Coke .....	--	--	26,971	202	--	-319	--	18,632	8,860	7,580
Marketable .....	--	--	20,071	202	--	-319	--	18,632	1,960	7,580
Catalyst .....	--	--	6,900	--	--	--	--	--	6,900	--
Asphalt and Road Oil .....	--	--	9,263	980	--	3,118	--	754	6,371	30,163
Still Gas .....	--	--	20,557	--	--	--	--	--	20,557	--
Miscellaneous Products .....	--	--	2,899	1	--	-31	--	39	2,892	629
<b>Total</b> .....	<b>508,889</b>	<b>36,884</b>	<b>619,460</b>	<b>300,469</b>	<b>12,665</b>	<b>8,073</b>	<b>585,065</b>	<b>251,213</b>	<b>634,016</b>	<b>1,919,617</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>3</sup> 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.

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

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
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<b>Hydrocarbon Gas Liquids</b> .....	<b>140,896</b>	<b>-625</b>	<b>11,608</b>	<b>8,991</b>	--	<b>-22,780</b>	<b>21,110</b>	<b>48,732</b>	<b>113,808</b>	<b>165,737</b>
Natural Gas Liquids .....	140,896	-625	2,764	8,474	--	-23,323	21,110	48,732	104,990	157,038
Ethane .....	55,788	--	49	--	--	-2,252	--	9,957	48,132	47,388
Propane .....	45,946	--	9,211	6,418	--	-12,626	--	30,635	43,566	51,032
Normal Butane .....	11,762	--	-6,167	1,502	--	-9,189	10,193	4,786	1,307	28,546
Isobutane .....	12,371	--	-329	550	--	827	6,528	159	5,078	9,317
Natural Gasoline .....	15,029	-625	--	4	--	-83	4,389	3,196	6,906	20,755
Refinery Olefins .....	--	--	8,844	517	--	543	--	--	8,818	8,699
Ethylene .....	--	--	8	--	--	0	--	--	8	0
Propylene .....	--	--	9,047	480	--	227	--	--	9,300	7,173
Normal Butylene .....	--	--	-214	37	--	320	--	--	-497	1,395
Isobutylene .....	--	--	3	--	--	-4	--	--	7	131
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Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	--	37,432	--	938	5,087	2,920	35,559	4,977	0	34,296
Hydrogen .....	--	--	--	--	6,901	--	6,901	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	2,404	--	87	-332	301	--	1,858	0	1,852
Renewable Fuels (including Fuel Ethanol) ...	--	35,028	--	851	-1,505	2,620	28,634	3,119	0	32,424
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Other Hydrocarbons .....	--	--	--	--	23	-1	24	--	0	20
Unfinished Oils .....	--	--	--	17,879	--	3,147	4,735	10,431	-434	89,003
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	-5	--	16,162	1,661	11,267	3,331	3,220	0	231,809
Reformulated .....	--	-1	--	5,658	7,340	1,388	11,601	8	0	51,489
Conventional .....	--	-4	--	10,504	-5,678	9,879	-8,270	3,213	0	180,320
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	9	-8	--	-1	40
<b>Finished Petroleum Products</b> .....	--	<b>82</b>	<b>607,852</b>	<b>23,373</b>	<b>-142</b>	<b>6,500</b>	--	<b>104,022</b>	<b>520,643</b>	<b>300,789</b>
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Reformulated .....	--	--	95,446	--	-8,444	2	--	--	87,000	46
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Finished Aviation Gasoline .....	--	--	289	64	--	22	--	--	331	978
Kerosene-Type Jet Fuel .....	--	--	54,902	3,106	--	-385	--	7,887	50,506	41,201
Kerosene .....	--	--	530	--	--	-462	--	186	806	2,133
Distillate Fuel Oil <sup>5</sup> .....	--	--	162,818	9,557	1,479	131	--	38,729	134,993	140,137
15 ppm sulfur and under .....	--	--	150,674	9,129	1,479	976	--	30,521	129,785	124,572
Greater than 15 ppm to 500 ppm sulfur .....	--	--	4,376	320	--	-855	--	3,904	1,647	4,256
Greater than 500 ppm sulfur .....	--	--	7,768	108	--	10	--	4,304	3,562	11,309
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Less than 0.31 percent sulfur .....	--	--	2,025	468	--	598	--	NA	NA	2,743
0.31 to 1.00 percent sulfur .....	--	--	1,924	539	--	-389	--	NA	NA	4,328
Greater than 1.00 percent sulfur .....	--	--	8,380	4,805	--	851	--	NA	NA	22,297
Petrochemical Feedstocks .....	--	--	9,410	481	--	-98	--	--	9,989	3,306
Naphtha for Petro. Feed. Use .....	--	--	5,892	351	--	-61	--	--	6,304	2,333
Other Oils for Petro. Feed. Use .....	--	--	3,518	130	--	-37	--	--	3,685	973
Special Naphthas .....	--	--	1,022	155	--	-45	--	--	1,222	1,416
Lubricants .....	--	--	4,953	1,438	--	-283	--	3,180	3,494	13,672
Waxes .....	--	--	127	170	--	7	--	133	157	683
Petroleum Coke .....	--	--	26,971	202	--	-319	--	18,632	8,860	7,580
Marketable .....	--	--	20,071	202	--	-319	--	18,632	1,960	7,580
Catalyst .....	--	--	6,900	--	--	--	--	--	6,900	--
Asphalt and Road Oil .....	--	--	9,263	980	--	3,118	--	754	6,371	30,163
Still Gas .....	--	--	20,557	--	--	--	--	--	20,557	--
Miscellaneous Products .....	--	--	2,899	1	--	-31	--	39	2,892	629
<b>Total</b> .....	<b>508,889</b>	<b>36,884</b>	<b>619,460</b>	<b>300,469</b>	<b>12,665</b>	<b>8,073</b>	<b>585,065</b>	<b>251,213</b>	<b>634,016</b>	<b>1,919,617</b>

-- = Not Applicable.

NA = No Data Reported.

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<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>3</sup> 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.

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

<sup>5</sup> 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.

<sup>6</sup> 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 and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2019**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>11,871</b>	--	--	<b>7,520</b>	<b>195</b>	<b>226</b>	<b>16,785</b>	<b>2,575</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>4,545</b>	<b>-20</b>	<b>374</b>	<b>290</b>	--	<b>-735</b>	<b>681</b>	<b>1,572</b>	<b>3,671</b>
Natural Gas Liquids .....	4,545	-20	89	273	--	-752	681	1,572	3,387
Ethane .....	1,800	--	2	--	--	-73	--	321	1,553
Propane .....	1,482	--	297	207	--	-407	--	988	1,405
Normal Butane .....	379	--	-199	48	--	-296	329	154	42
Isobutane .....	399	--	-11	18	--	27	211	5	164
Natural Gasoline .....	485	-20	--	0	--	-3	142	103	223
Refinery Olefins .....	--	--	285	17	--	18	--	--	284
Ethylene .....	--	--	0	--	--	0	--	--	0
Propylene .....	--	--	292	15	--	7	--	--	300
Normal Butylene .....	--	--	-7	1	--	10	--	--	-16
Isobutylene .....	--	--	0	--	--	0	--	--	0
<b>Other Liquids</b> .....	--	<b>1,207</b>	--	<b>1,128</b>	<b>218</b>	<b>559</b>	<b>1,407</b>	<b>601</b>	<b>-14</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,207	--	30	164	94	1,147	161	0
Hydrogen .....	--	--	--	--	223	--	223	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	78	--	3	-11	10	--	60	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,130	--	27	-49	85	924	101	0
Fuel Ethanol <sup>5</sup> .....	--	1,019	--	--	-1	54	865	98	0
Renewable Fuels Except Fuel Ethanol .....	--	111	--	27	-47	30	58	2	0
Other Hydrocarbons .....	--	--	--	--	1	0	1	--	0
Unfinished Oils .....	--	--	--	577	--	102	153	336	-14
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	521	54	363	107	104	0
Reformulated .....	--	0	--	183	237	45	374	0	0
Conventional .....	--	0	--	339	-183	319	-267	104	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>3</b>	<b>19,608</b>	<b>754</b>	<b>-5</b>	<b>210</b>	--	<b>3,356</b>	<b>16,795</b>
Finished Motor Gasoline .....	--	3	9,735	45	-52	122	--	866	8,743
Reformulated .....	--	--	3,079	--	-272	0	--	--	2,806
Conventional .....	--	3	6,656	45	220	122	--	866	5,937
Finished Aviation Gasoline .....	--	--	9	2	--	1	--	--	11
Kerosene-Type Jet Fuel .....	--	--	1,771	100	--	-12	--	254	1,629
Kerosene .....	--	--	17	--	--	-15	--	6	26
Distillate Fuel Oil <sup>5</sup> .....	--	--	5,252	308	48	4	--	1,249	4,355
15 ppm sulfur and under .....	--	--	4,860	294	48	31	--	985	4,187
Greater than 15 ppm to 500 ppm sulfur .....	--	--	141	10	--	-28	--	126	53
Greater than 500 ppm sulfur .....	--	--	251	3	--	0	--	139	115
Residual Fuel Oil <sup>6</sup> .....	--	--	398	187	--	34	--	247	304
Less than 0.31 percent sulfur .....	--	--	65	15	--	19	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	62	17	--	-13	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	270	155	--	27	--	NA	NA
Petrochemical Feedstocks .....	--	--	304	16	--	-3	--	--	322
Naphtha for Petro. Feed. Use .....	--	--	190	11	--	-2	--	--	203
Other Oils for Petro. Feed. Use .....	--	--	113	4	--	-1	--	--	119
Special Naphthas .....	--	--	33	5	--	-1	--	--	39
Lubricants .....	--	--	160	46	--	-9	--	103	113
Waxes .....	--	--	4	5	--	0	--	4	5
Petroleum Coke .....	--	--	870	7	--	-10	--	601	286
Marketable .....	--	--	647	7	--	-10	--	601	63
Catalyst .....	--	--	223	--	--	--	--	--	223
Asphalt and Road Oil .....	--	--	299	32	--	101	--	24	206
Still Gas .....	--	--	663	--	--	--	--	--	663
Miscellaneous Products .....	--	--	94	0	--	-1	--	1	93
<b>Total</b> .....	<b>16,416</b>	<b>1,190</b>	<b>19,983</b>	<b>9,693</b>	<b>409</b>	<b>260</b>	<b>18,873</b>	<b>8,104</b>	<b>20,452</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> 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.

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

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b>	<b>11,871</b>	--	--	<b>7,520</b>	<b>195</b>	<b>226</b>	<b>16,785</b>	<b>2,575</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>4,545</b>	<b>-20</b>	<b>374</b>	<b>290</b>	<b>--</b>	<b>-735</b>	<b>681</b>	<b>1,572</b>	<b>3,671</b>
Natural Gas Liquids	4,545	-20	89	273	--	-752	681	1,572	3,387
Ethane	1,800	--	--	--	--	-73	--	321	1,553
Propane	1,482	--	297	207	--	-407	--	988	1,405
Normal Butane	379	--	-199	48	--	-296	329	154	42
Isobutane	399	--	-16	18	--	27	211	5	164
Natural Gasoline	485	-20	--	0	--	-3	142	103	223
Refinery Olefins	--	--	285	17	--	18	--	--	284
Ethylene	--	--	0	--	--	0	--	--	0
Propylene	--	--	292	15	--	7	--	--	300
Normal Butylene	--	--	-7	1	--	10	--	--	-16
Isobutylene	--	--	24	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>1,207</b>	<b>--</b>	<b>1,128</b>	<b>218</b>	<b>559</b>	<b>1,407</b>	<b>601</b>	<b>-14</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,207	--	30	164	94	1,147	161	0
Hydrogen	--	--	--	--	223	--	223	--	0
Oxygenates (excluding Fuel Ethanol)	--	78	--	3	-11	10	--	60	0
Renewable Fuels (including Fuel Ethanol)	--	1,130	--	27	-49	85	924	101	0
Fuel Ethanol <sup>5</sup>	--	1,019	--	--	-1	54	865	98	0
Renewable Fuels Except Fuel Ethanol	--	111	--	27	-47	30	58	2	0
Other Hydrocarbons	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	577	--	102	153	336	-14
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	0	--	521	54	363	107	104	0
Reformulated	--	0	--	183	237	45	374	0	0
Conventional	--	0	--	339	-183	319	-267	104	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	<b>--</b>	<b>3</b>	<b>19,608</b>	<b>754</b>	<b>-5</b>	<b>210</b>	<b>--</b>	<b>3,356</b>	<b>16,795</b>
Finished Motor Gasoline	--	3	9,735	45	-52	122	--	866	8,743
Reformulated	--	--	3,079	--	-272	0	--	--	2,806
Conventional	--	3	6,656	45	220	122	--	866	5,937
Finished Aviation Gasoline	--	--	9	2	--	1	--	--	11
Kerosene-Type Jet Fuel	--	--	1,771	100	--	-12	--	254	1,629
Kerosene	--	--	17	--	--	-15	--	6	26
Distillate Fuel Oil <sup>5</sup>	--	--	5,252	308	48	4	--	1,249	4,355
15 ppm sulfur and under	--	--	4,860	294	48	31	--	985	4,187
Greater than 15 ppm to 500 ppm sulfur	--	--	141	10	--	-28	--	126	53
Greater than 500 ppm sulfur	--	--	251	3	--	0	--	139	115
Residual Fuel Oil <sup>6</sup>	--	--	398	187	--	34	--	247	304
Less than 0.31 percent sulfur	--	--	65	15	--	19	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	62	17	--	-13	--	NA	NA
Greater than 1.00 percent sulfur	--	--	270	155	--	27	--	NA	NA
Petrochemical Feedstocks	--	--	304	16	--	-3	--	--	322
Naphtha for Petro. Feed. Use	--	--	190	11	--	-2	--	--	203
Other Oils for Petro. Feed. Use	--	--	113	4	--	-1	--	--	119
Special Naphthas	--	--	33	5	--	-1	--	--	39
Lubricants	--	--	160	46	--	-9	--	103	113
Waxes	--	--	4	5	--	0	--	4	5
Petroleum Coke	--	--	870	7	--	-10	--	601	286
Marketable	--	--	647	7	--	-10	--	601	63
Catalyst	--	--	223	--	--	--	--	--	223
Asphalt and Road Oil	--	--	299	32	--	101	--	24	206
Still Gas	--	--	663	--	--	--	--	--	663
Miscellaneous Products	--	--	94	0	--	-1	--	1	93
<b>Total</b>	<b>16,416</b>	<b>1,190</b>	<b>19,983</b>	<b>9,693</b>	<b>409</b>	<b>260</b>	<b>18,873</b>	<b>8,104</b>	<b>20,452</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> 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.

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

<sup>5</sup> 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.

<sup>6</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>1,951</b>	--	--	<b>24,129</b>	<b>4,846</b>	<b>2,000</b>	<b>1,520</b>	<b>31,404</b>	<b>2</b>	<b>0</b>	<b>13,175</b>
<b>Hydrocarbon Gas Liquids</b>	<b>16,347</b>	<b>-16</b>	<b>648</b>	<b>2,374</b>	<b>-713</b>	--	<b>-1,281</b>	<b>2,195</b>	<b>3,586</b>	<b>14,140</b>	<b>7,756</b>
Natural Gas Liquids	16,347	-16	182	2,160	-1,063	--	-1,264	2,195	3,586	13,093	7,485
Ethane	6,638	--	--	--	--	--	-393	--	1,405	176	450
Propane	5,637	--	617	1,946	4,369	--	-707	--	1,831	11,445	5,280
Normal Butane	1,655	--	-419	91	505	--	-202	1,490	15	529	1,218
Isobutane	851	--	-16	123	-188	--	-17	460	1	326	177
Natural Gasoline	1,566	-16	--	--	-299	--	55	245	334	617	360
Refinery Olefins	--	--	466	214	--	--	-17	--	--	1,047	271
Ethylene	--	--	8	--	--	--	--	--	--	8	--
Propylene	--	--	479	214	--	--	-20	--	--	1,063	101
Normal Butylene	--	--	-45	--	--	--	23	--	--	-68	130
Isobutylene	--	--	24	--	--	--	-20	--	--	44	40
<b>Other Liquids</b>	--	<b>984</b>	--	<b>16,402</b>	<b>64,600</b>	<b>6,871</b>	<b>8,766</b>	<b>80,498</b>	<b>94</b>	<b>-500</b>	<b>81,101</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	987	--	164	9,888	630	1,060	10,539	70	0	9,176
Hydrogen	--	--	--	--	--	116	--	116	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol)	--	987	--	164	9,888	512	1,060	10,423	69	0	9,176
Fuel Ethanol	--	773	--	--	9,471	834	1,116	9,900	62	0	7,697
Renewable Fuels Except Fuel Ethanol	--	214	--	164	417	-321	-56	523	7	0	1,479
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,689	219	--	69	2,318	21	-500	5,274
Motor Gasoline Blend.Comp. (MGBC)	--	-3	--	14,549	54,493	6,241	7,637	67,641	2	0	66,651
Reformulated	--	--	--	5,658	8,444	2,565	1,801	14,865	1	0	20,633
Conventional	--	-3	--	8,891	46,049	3,677	5,836	52,776	2	0	46,018
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>115,001</b>	<b>15,003</b>	<b>54,333</b>	<b>-6,753</b>	<b>4,766</b>	--	<b>2,416</b>	<b>170,401</b>	<b>77,840</b>
Finished Motor Gasoline	--	--	95,732	1,043	8,299	-7,075	1,605	--	306	96,088	5,485
Reformulated	--	--	38,526	--	--	-2,704	1	--	--	35,821	31
Conventional	--	--	57,206	1,043	8,299	-4,371	1,604	--	306	60,267	5,454
Finished Aviation Gasoline	--	--	--	19	104	--	35	--	--	88	165
Kerosene-Type Jet Fuel	--	--	3,168	1,344	14,900	--	903	--	544	17,965	8,779
Kerosene	--	--	127	--	213	--	-469	--	31	778	1,583
Distillate Fuel Oil <sup>6</sup>	--	--	10,823	8,755	29,689	321	1,149	--	175	48,264	46,021
15 ppm sulfur and under	--	--	9,186	8,414	28,433	321	1,529	--	10	44,815	39,207
Greater than 15 ppm to 500 ppm sulfur	--	--	183	320	86	--	-493	--	165	917	2,109
Greater than 500 ppm sulfur	--	--	1,454	21	1,170	--	113	--	0	2,532	4,705
Residual Fuel Oil <sup>7</sup>	--	--	1,272	3,006	-218	--	415	--	491	3,154	6,448
Less than 0.31 percent sulfur	--	--	359	130	--	--	-133	--	NA	NA	768
0.31 to 1.00 percent sulfur	--	--	288	299	--	--	-420	--	NA	NA	1,009
Greater than 1.00 percent sulfur	--	--	625	2,577	-218	--	968	--	NA	NA	4,671
Petrochemical Feedstocks	--	--	62	1	-255	--	10	--	--	-202	90
Naphtha for Petro. Feed. Use	--	--	62	--	--	--	10	--	--	52	90
Other Oils for Petro. Feed. Use	--	--	--	1	-255	--	--	--	--	-254	--
Special Naphthas	--	--	18	--	--	--	1	--	--	17	44
Lubricants	--	--	387	146	361	--	-40	--	190	744	1,261
Waxes	--	--	12	73	--	--	8	--	57	20	384
Petroleum Coke	--	--	1,086	6	431	--	--	--	576	947	--
Marketable	--	--	436	6	431	--	--	--	576	297	--
Catalyst	--	--	650	--	--	--	--	--	--	650	--
Asphalt and Road Oil	--	--	850	610	809	--	1,154	--	36	1,079	7,551
Still Gas	--	--	1,369	--	--	--	--	--	--	1,369	--
Miscellaneous Products	--	--	95	--	--	--	-5	--	10	90	29
<b>Total</b>	<b>18,298</b>	<b>968</b>	<b>115,649</b>	<b>57,908</b>	<b>123,067</b>	<b>2,118</b>	<b>13,771</b>	<b>114,097</b>	<b>6,098</b>	<b>184,042</b>	<b>179,872</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol,

biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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.

<sup>7</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>1,951</b>	--	--	<b>24,129</b>	<b>4,846</b>	<b>2,000</b>	<b>1,520</b>	<b>31,404</b>	<b>2</b>	<b>0</b>	<b>13,175</b>
<b>Hydrocarbon Gas Liquids</b>	<b>16,347</b>	<b>-16</b>	<b>648</b>	<b>2,374</b>	<b>-713</b>	--	<b>-1,281</b>	<b>2,195</b>	<b>3,586</b>	<b>14,140</b>	<b>7,756</b>
Natural Gas Liquids	16,347	-16	182	2,160	-1,063	--	-1,264	2,195	3,586	13,093	--
Ethane	6,638	--	--	--	--	--	-393	--	1,405	176	--
Propane	5,637	--	617	1,946	4,369	--	-707	--	1,831	11,445	--
Normal Butane	1,655	--	-419	91	505	--	-202	1,490	15	529	--
Isobutane	851	--	-16	123	-188	--	-17	460	1	326	--
Natural Gasoline	1,566	-16	--	--	-299	--	55	245	334	617	--
Refinery Olefins	--	--	466	214	--	--	-17	--	--	1,047	--
Ethylene	--	--	8	--	--	--	--	--	--	8	--
Propylene	--	--	479	214	--	--	-20	--	--	1,063	--
Normal Butylene	--	--	-45	--	--	--	23	--	--	-68	--
Isobutylene	--	--	24	--	--	--	-20	--	--	44	--
<b>Other Liquids</b>	--	<b>984</b>	--	<b>16,402</b>	<b>64,600</b>	<b>6,871</b>	<b>8,766</b>	<b>80,498</b>	<b>94</b>	<b>-500</b>	<b>81,101</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	987	--	164	9,888	630	1,060	10,539	70	0	9,176
Hydrogen	--	--	--	--	--	116	--	116	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol)	--	987	--	164	9,888	512	1,060	10,423	69	0	9,176
Fuel Ethanol	--	773	--	--	9,471	834	1,116	9,900	62	0	7,697
Renewable Fuels Except Fuel Ethanol	--	214	--	164	417	-321	-56	523	7	0	1,479
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,689	219	--	69	2,318	21	-500	5,274
Motor Gasoline Blend.Comp. (MGBC)	--	-3	--	14,549	54,493	6,241	7,637	67,641	2	0	66,651
Reformulated	--	--	--	5,658	8,444	2,565	1,801	14,865	1	0	20,633
Conventional	--	-3	--	8,891	46,049	3,677	5,836	52,776	2	0	46,018
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>115,001</b>	<b>15,003</b>	<b>54,333</b>	<b>-6,753</b>	<b>4,766</b>	--	<b>2,416</b>	<b>170,401</b>	<b>77,840</b>
Finished Motor Gasoline	--	--	95,732	1,043	8,299	-7,075	1,605	--	306	96,088	5,485
Reformulated	--	--	38,526	--	--	-2,704	1	--	--	35,821	31
Conventional	--	--	57,206	1,043	8,299	-4,371	1,604	--	306	60,267	5,454
Finished Aviation Gasoline	--	--	--	19	104	--	35	--	--	88	165
Kerosene-Type Jet Fuel	--	--	3,168	1,344	14,900	--	903	--	544	17,965	8,779
Kerosene	--	--	127	--	213	--	-469	--	31	778	1,583
Distillate Fuel Oil <sup>6</sup>	--	--	10,823	8,755	29,689	321	1,149	--	175	48,264	46,021
15 ppm sulfur and under	--	--	9,186	8,414	28,433	321	1,529	--	10	44,815	39,207
Greater than 15 ppm to 500 ppm sulfur	--	--	183	320	86	--	-493	--	165	917	2,109
Greater than 500 ppm sulfur	--	--	1,454	21	1,170	--	113	--	0	2,532	4,705
Residual Fuel Oil <sup>7</sup>	--	--	1,272	3,006	-218	--	415	--	491	3,154	6,448
Less than 0.31 percent sulfur	--	--	359	130	--	--	-133	--	NA	NA	768
0.31 to 1.00 percent sulfur	--	--	288	299	--	--	-420	--	NA	NA	1,009
Greater than 1.00 percent sulfur	--	--	625	2,577	-218	--	968	--	NA	NA	4,671
Petrochemical Feedstocks	--	--	62	1	-255	--	10	--	--	-202	90
Naphtha for Petro. Feed. Use	--	--	62	--	--	--	10	--	--	52	90
Other Oils for Petro. Feed. Use	--	--	--	1	-255	--	--	--	--	-254	--
Special Naphthas	--	--	18	--	--	--	1	--	--	17	44
Lubricants	--	--	387	146	361	--	-40	--	190	744	1,261
Waxes	--	--	12	73	--	--	8	--	57	20	384
Petroleum Coke	--	--	1,086	6	431	--	--	--	576	947	--
Marketable	--	--	436	6	431	--	--	--	576	297	--
Catalyst	--	--	650	--	--	--	--	--	--	650	--
Asphalt and Road Oil	--	--	850	610	809	--	1,154	--	36	1,079	7,551
Still Gas	--	--	1,369	--	--	--	--	--	--	1,369	--
Miscellaneous Products	--	--	95	--	--	--	-5	--	10	90	29
<b>Total</b>	<b>18,298</b>	<b>968</b>	<b>115,649</b>	<b>57,908</b>	<b>123,067</b>	<b>2,118</b>	<b>13,771</b>	<b>114,097</b>	<b>6,098</b>	<b>184,042</b>	<b>179,872</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol,

biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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.

<sup>7</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>63</b>	--	--	<b>778</b>	<b>156</b>	<b>65</b>	<b>49</b>	<b>1,013</b>	<b>0</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>527</b>	<b>-1</b>	<b>21</b>	<b>77</b>	<b>-23</b>	--	<b>-41</b>	<b>71</b>	<b>116</b>	<b>456</b>
Natural Gas Liquids	527	-1	6	70	-34	--	-41	71	116	422
Ethane	214	--	--	--	--	--	-13	--	45	6
Propane	182	--	20	63	141	--	-23	--	--	369
Normal Butane	53	--	-14	3	16	--	-7	48	0	17
Isobutane	27	--	-1	4	-6	--	-1	15	0	11
Natural Gasoline	51	-1	--	--	-10	--	2	8	11	20
Refinery Olefins	--	--	15	7	--	--	-1	--	--	34
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	15	7	11	--	-1	--	--	34
Normal Butylene	--	--	-1	--	--	--	1	--	--	-2
Isobutylene	--	--	1	--	--	--	-1	--	--	1
<b>Other Liquids</b>	--	<b>32</b>	--	<b>529</b>	<b>2,084</b>	<b>222</b>	<b>283</b>	<b>2,597</b>	<b>3</b>	<b>-16</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	32	--	5	319	20	34	340	2	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	32	--	5	319	17	34	336	2	0
Fuel Ethanol <sup>6</sup>	--	25	--	--	306	27	36	319	2	0
Renewable Fuels Except Fuel Ethanol	--	7	--	5	13	-10	-2	17	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	54	7	--	2	75	1	-16
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>	--	0	--	469	1,758	201	246	2,182	0	0
Reformulated	--	--	--	183	272	83	58	480	0	0
Conventional	--	0	--	287	1,485	119	188	1,702	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>3,710</b>	<b>484</b>	<b>1,753</b>	<b>-218</b>	<b>154</b>	--	<b>78</b>	<b>5,497</b>
Finished Motor Gasoline	--	--	3,088	34	268	-228	52	--	10	3,100
Reformulated	--	--	1,243	--	--	-87	0	--	--	1,156
Conventional	--	--	1,845	34	268	-141	52	--	10	1,944
Finished Aviation Gasoline	--	--	--	1	3	--	1	--	--	3
Kerosene-Type Jet Fuel	--	--	102	43	481	--	29	--	18	580
Kerosene	--	--	4	--	7	--	-15	--	1	25
Distillate Fuel Oil <sup>6</sup>	--	--	349	282	958	10	37	--	6	1,557
15 ppm sulfur and under	--	--	296	271	917	10	49	--	0	1,446
Greater than 15 ppm to 500 ppm sulfur	--	--	6	10	3	--	-16	--	5	30
Greater than 500 ppm sulfur	--	--	47	1	38	--	4	--	0	82
Residual Fuel Oil <sup>7</sup>	--	--	41	97	-7	--	13	--	16	102
Less than 0.31 percent sulfur	--	--	12	4	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	10	--	--	-14	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	83	-7	--	31	--	NA	NA
Petrochemical Feedstocks	--	--	2	0	-8	--	0	--	--	-7
Naptha for Petro. Feed. Use	--	--	2	--	--	--	0	--	--	2
Other Oils for Petro. Feed. Use	--	--	--	0	-8	--	--	--	--	-8
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	12	5	12	--	-1	--	6	24
Waxes	--	--	0	2	--	--	0	--	2	1
Petroleum Coke	--	--	35	0	14	--	--	--	19	31
Marketable	--	--	14	0	14	--	--	--	19	10
Catalyst	--	--	21	--	--	--	--	--	--	21
Asphalt and Road Oil	--	--	27	20	26	--	37	--	1	35
Still Gas	--	--	44	--	--	--	--	--	--	44
Miscellaneous Products	--	--	3	--	--	--	0	--	0	3
<b>Total</b>	<b>590</b>	<b>31</b>	<b>3,731</b>	<b>1,868</b>	<b>3,970</b>	<b>68</b>	<b>444</b>	<b>3,681</b>	<b>197</b>	<b>5,937</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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.

<sup>7</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>63</b>	--	--	<b>778</b>	<b>156</b>	<b>65</b>	<b>49</b>	<b>1,013</b>	<b>0</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>527</b>	<b>-1</b>	<b>21</b>	<b>77</b>	<b>-23</b>	--	<b>-41</b>	<b>71</b>	<b>116</b>	<b>456</b>
Natural Gas Liquids	527	-1	6	70	-34	--	-41	71	116	422
Ethane	214	--	--	--	--	--	-13	--	45	6
Propane	182	--	20	63	141	--	-23	--	--	369
Normal Butane	53	--	-14	3	16	--	-7	48	0	17
Isobutane	27	--	-1	4	-6	--	-1	15	0	11
Natural Gasoline	51	-1	--	--	-10	--	2	8	11	20
Refinery Olefins	--	--	15	7	--	--	-1	--	--	34
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	15	7	11	--	-1	--	--	34
Normal Butylene	--	--	-1	--	--	--	1	--	--	-2
Isobutylene	--	--	1	--	--	--	-1	--	--	1
<b>Other Liquids</b>	--	<b>32</b>	--	<b>529</b>	<b>2,084</b>	<b>222</b>	<b>283</b>	<b>2,597</b>	<b>3</b>	<b>-16</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	32	--	5	319	20	34	340	2	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	32	--	5	319	17	34	336	2	0
Fuel Ethanol <sup>6</sup>	--	25	--	--	306	27	36	319	2	0
Renewable Fuels Except Fuel Ethanol	--	7	--	5	13	-10	-2	17	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	54	7	--	2	75	1	-16
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>	--	0	--	469	1,758	201	246	2,182	0	0
Reformulated	--	--	--	183	272	83	58	480	0	0
Conventional	--	0	--	287	1,485	119	188	1,702	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>3,710</b>	<b>484</b>	<b>1,753</b>	<b>-218</b>	<b>154</b>	--	<b>78</b>	<b>5,497</b>
Finished Motor Gasoline	--	--	3,088	34	268	-228	52	--	10	3,100
Reformulated	--	--	1,243	--	--	-87	0	--	--	1,156
Conventional	--	--	1,845	34	268	-141	52	--	10	1,944
Finished Aviation Gasoline	--	--	--	1	3	--	1	--	--	3
Kerosene-Type Jet Fuel	--	--	102	43	481	--	29	--	18	580
Kerosene	--	--	4	--	7	--	-15	--	1	25
Distillate Fuel Oil <sup>6</sup>	--	--	349	282	958	10	37	--	6	1,557
15 ppm sulfur and under	--	--	296	271	917	10	49	--	0	1,446
Greater than 15 ppm to 500 ppm sulfur	--	--	6	10	3	--	-16	--	5	30
Greater than 500 ppm sulfur	--	--	47	1	38	--	4	--	0	82
Residual Fuel Oil <sup>7</sup>	--	--	41	97	-7	--	13	--	16	102
Less than 0.31 percent sulfur	--	--	12	4	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	10	--	--	-14	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	83	-7	--	31	--	NA	NA
Petrochemical Feedstocks	--	--	2	0	-8	--	0	--	--	-7
Naphtha for Petro. Feed. Use	--	--	2	--	--	--	0	--	--	2
Other Oils for Petro. Feed. Use	--	--	--	0	-8	--	--	--	--	-8
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	12	5	12	--	-1	--	6	24
Waxes	--	--	0	2	--	--	0	--	2	1
Petroleum Coke	--	--	35	0	14	--	--	--	19	31
Marketable	--	--	14	0	14	--	--	--	19	10
Catalyst	--	--	21	--	--	--	--	--	--	21
Asphalt and Road Oil	--	--	27	20	26	--	37	--	1	35
Still Gas	--	--	44	--	--	--	--	--	--	44
Miscellaneous Products	--	--	3	--	--	--	0	--	0	3
<b>Total</b>	<b>590</b>	<b>31</b>	<b>3,731</b>	<b>1,868</b>	<b>3,970</b>	<b>68</b>	<b>444</b>	<b>3,681</b>	<b>197</b>	<b>5,937</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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.

<sup>7</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>67,250</b>	--	--	<b>91,164</b>	<b>-19,565</b>	<b>-11,729</b>	<b>1,089</b>	<b>120,238</b>	<b>5,793</b>	<b>0</b>	<b>133,191</b>
<b>Hydrocarbon Gas Liquids</b>	<b>30,488</b>	<b>-574</b>	<b>887</b>	<b>3,718</b>	<b>-6,108</b>	--	<b>-7,077</b>	<b>3,540</b>	<b>5,711</b>	<b>26,237</b>	<b>42,954</b>
Natural Gas Liquids	30,488	-574	-553	3,415	-5,440	--	-7,038	3,540	5,711	25,123	42,564
Ethane	10,280	--	--	--	--	--	-203	--	2,719	4,881	4,988
Propane	11,150	--	2,362	2,704	-6,557	--	-4,567	--	74	14,152	16,092
Normal Butane	3,760	--	-2,818	453	-1,491	--	-3,161	1,214	158	1,693	8,228
Isobutane	1,910	--	-97	254	47	--	594	1,421	1	98	2,546
Natural Gasoline	3,388	-574	--	4	5,444	--	299	905	2,759	4,299	10,710
Refinery Olefins	--	--	1,440	303	--	--	-39	--	--	1,114	390
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,415	266	--	--	-58	--	--	1,071	297
Normal Butylene	--	--	10	37	--	--	4	--	--	43	8
Isobutylene	--	--	15	--	--	--	15	--	--	0	85
<b>Other Liquids</b>	--	<b>31,603</b>	--	<b>769</b>	<b>-17,376</b>	<b>-3,491</b>	<b>3,732</b>	<b>7,371</b>	<b>1,671</b>	<b>-1,269</b>	<b>75,682</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	31,605	--	95	-21,826	-743	72	8,607	452	0	9,693
Hydrogen	--	--	--	--	--	1,180	--	1,180	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	-1	--	2	0	3
Renewable Fuels (including Fuel Ethanol)	--	31,605	--	95	-21,826	-1,947	74	7,403	450	0	9,670
Fuel Ethanol	--	29,375	--	--	-20,965	-1,040	-142	7,073	439	0	8,537
Renewable Fuels Except Fuel Ethanol	--	2,230	--	95	-861	-907	216	330	11	0	1,133
Other Hydrocarbons	--	--	--	--	--	23	-1	24	--	0	20
Unfinished Oils	--	--	--	70	-286	--	162	-227	1,118	-1,269	12,906
Motor Gasoline Blend.Comp. (MGBC)	--	-2	--	604	4,736	-2,748	3,498	-1,009	101	0	53,083
Reformulated	--	-1	--	--	1,024	-629	-706	1,100	--	0	5,483
Conventional	--	-1	--	604	3,712	-2,119	4,204	-2,109	101	0	47,600
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>82</b>	<b>137,585</b>	<b>988</b>	<b>-1,378</b>	<b>4,704</b>	<b>2,916</b>	--	<b>768</b>	<b>138,298</b>	<b>66,967</b>
Finished Motor Gasoline	--	82	74,438	--	-649	3,788	818	--	75	76,765	7,322
Reformulated	--	--	10,513	--	--	866	--	--	--	11,379	--
Conventional	--	82	63,925	--	-649	2,921	818	--	75	65,386	7,322
Finished Aviation Gasoline	--	--	31	2	10	--	0	--	--	43	166
Kerosene-Type Jet Fuel	--	--	8,022	--	525	--	-190	--	49	8,688	7,347
Kerosene	--	--	315	--	20	--	-76	--	1	410	205
Distillate Fuel Oil	--	--	37,273	332	1,080	917	1,131	--	108	38,363	34,784
15 ppm sulfur and under	--	--	36,982	245	956	917	848	--	0	38,252	33,782
Greater than 15 ppm to 500 ppm sulfur	--	--	139	--	124	--	-2	--	57	208	380
Greater than 500 ppm sulfur	--	--	152	87	--	--	285	--	51	-97	622
Residual Fuel Oil <sup>6</sup>	--	--	1,482	102	-1,215	--	17	--	196	156	1,297
Less than 0.31 percent sulfur	--	--	66	--	-33	--	3	--	NA	NA	60
0.31 to 1.00 percent sulfur	--	--	203	33	-35	--	-53	--	NA	NA	221
Greater than 1.00 percent sulfur	--	--	1,213	69	-1,147	--	67	--	NA	NA	1,016
Petrochemical Feedstocks	--	--	973	159	-120	--	-23	--	--	1,035	542
Naphtha for Petro. Feed. Use	--	--	643	83	-97	--	14	--	--	615	441
Other Oils for Petro. Feed. Use	--	--	330	76	-23	--	-37	--	--	420	101
Special Naphthas	--	--	65	5	29	--	-11	--	--	110	172
Lubricants	--	--	55	117	138	--	-166	--	169	307	661
Waxes	--	--	11	3	--	--	-4	--	44	-26	24
Petroleum Coke	--	--	5,757	31	-845	--	88	--	40	4,815	1,426
Marketable	--	--	4,256	31	-845	--	88	--	40	3,314	1,426
Catalyst	--	--	1,501	--	--	--	--	--	--	1,501	--
Asphalt and Road Oil	--	--	4,253	237	-351	--	1,337	--	82	2,720	12,909
Still Gas	--	--	4,421	--	--	--	--	--	--	4,421	--
Miscellaneous Products	--	--	489	--	--	--	-5	--	5	489	112
<b>Total</b>	<b>97,738</b>	<b>31,111</b>	<b>138,472</b>	<b>96,639</b>	<b>-44,427</b>	<b>-10,515</b>	<b>660</b>	<b>131,149</b>	<b>13,943</b>	<b>163,266</b>	<b>318,794</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>67,250</b>	--	--	<b>91,164</b>	<b>-19,565</b>	<b>-11,729</b>	<b>1,089</b>	<b>120,238</b>	<b>5,793</b>	<b>0</b>	<b>133,191</b>
<b>Hydrocarbon Gas Liquids</b>	<b>30,488</b>	<b>-574</b>	<b>887</b>	<b>3,718</b>	<b>-6,108</b>	--	<b>-7,077</b>	<b>3,540</b>	<b>5,711</b>	<b>26,237</b>	<b>42,954</b>
Natural Gas Liquids	30,488	-574	-553	3,415	-5,440	--	-7,038	3,540	5,711	25,123	--
Ethane	10,280	--	--	--	--	--	-203	--	2,719	4,881	--
Propane	11,150	--	2,362	2,704	-6,557	--	-4,567	--	74	14,152	--
Normal Butane	3,760	--	-91	453	-1,491	--	-3,161	1,214	173	1,693	--
Isobutane	1,910	--	-97	254	47	--	594	1,421	1	98	--
Natural Gasoline	3,388	-574	--	4	5,444	--	299	905	2,759	4,299	--
Refinery Olefins	--	--	1,440	303	--	--	-39	--	--	1,114	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,415	266	--	--	-58	--	--	1,071	--
Normal Butylene	--	--	10	37	--	--	4	--	--	43	--
Isobutylene	--	--	15	--	--	--	15	--	--	0	--
<b>Other Liquids</b>	--	<b>31,603</b>	--	<b>769</b>	<b>-17,376</b>	<b>-3,491</b>	<b>3,732</b>	<b>7,371</b>	<b>1,671</b>	<b>-1,269</b>	<b>75,682</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	31,605	--	95	-21,826	-743	72	8,607	452	0	9,693
Hydrogen	--	--	--	--	--	1,180	--	1,180	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	-1	--	2	0	3
Renewable Fuels (including Fuel Ethanol)	--	31,605	--	95	-21,826	-1,947	74	7,403	450	0	9,670
Fuel Ethanol	--	29,375	--	--	-20,965	-1,040	-142	7,073	439	0	8,537
Renewable Fuels Except Fuel Ethanol	--	2,230	--	95	-861	-907	216	330	11	0	1,133
Other Hydrocarbons	--	--	--	--	--	23	-1	24	--	0	20
Unfinished Oils	--	--	--	70	-286	--	162	-227	1,118	-1,269	12,906
Motor Gasoline Blend.Comp. (MGBC)	--	-2	--	604	4,736	-2,748	3,498	-1,009	101	0	53,083
Reformulated	--	-1	--	--	1,024	-629	-706	1,100	--	0	5,483
Conventional	--	-1	--	604	3,712	-2,119	4,204	-2,109	101	0	47,600
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>82</b>	<b>137,585</b>	<b>988</b>	<b>-1,378</b>	<b>4,704</b>	<b>2,916</b>	--	<b>768</b>	<b>138,298</b>	<b>66,967</b>
Finished Motor Gasoline	--	82	74,438	--	-649	3,788	818	--	75	76,765	7,322
Reformulated	--	--	10,513	--	--	866	--	--	--	11,379	--
Conventional	--	82	63,925	--	-649	2,921	818	--	75	65,386	7,322
Finished Aviation Gasoline	--	--	31	2	10	--	0	--	--	43	166
Kerosene-Type Jet Fuel	--	--	8,022	--	525	--	-190	--	49	8,688	7,347
Kerosene	--	--	315	--	20	--	-76	--	1	410	205
Distillate Fuel Oil	--	--	37,273	332	1,080	917	1,131	--	108	38,363	34,784
15 ppm sulfur and under	--	--	36,982	245	956	917	848	--	0	38,252	33,782
Greater than 15 ppm to 500 ppm sulfur	--	--	139	--	124	--	-2	--	57	208	380
Greater than 500 ppm sulfur	--	--	152	87	--	--	285	--	51	-97	622
Residual Fuel Oil <sup>6</sup>	--	--	1,482	102	-1,215	--	17	--	196	156	1,297
Less than 0.31 percent sulfur	--	--	66	--	-33	--	3	--	NA	NA	60
0.31 to 1.00 percent sulfur	--	--	203	33	-35	--	-53	--	NA	NA	221
Greater than 1.00 percent sulfur	--	--	1,213	69	-1,147	--	67	--	NA	NA	1,016
Petrochemical Feedstocks	--	--	973	159	-120	--	-23	--	--	1,035	542
Naphtha for Petro. Feed. Use	--	--	643	83	-97	--	14	--	--	615	441
Other Oils for Petro. Feed. Use	--	--	330	76	-23	--	-37	--	--	420	101
Special Naphthas	--	--	65	5	29	--	-11	--	--	110	172
Lubricants	--	--	55	117	138	--	-166	--	169	307	661
Waxes	--	--	11	3	--	--	-4	--	44	-26	24
Petroleum Coke	--	--	5,757	31	-845	--	88	--	40	4,815	1,426
Marketable	--	--	4,256	31	-845	--	88	--	40	3,314	1,426
Catalyst	--	--	1,501	--	--	--	--	--	--	1,501	--
Asphalt and Road Oil	--	--	4,253	237	-351	--	1,337	--	82	2,720	12,909
Still Gas	--	--	4,421	--	--	--	--	--	--	4,421	--
Miscellaneous Products	--	--	489	--	--	--	-5	--	5	489	112
<b>Total</b>	<b>97,738</b>	<b>31,111</b>	<b>138,472</b>	<b>96,639</b>	<b>-44,427</b>	<b>-10,515</b>	<b>660</b>	<b>131,149</b>	<b>13,943</b>	<b>163,266</b>	<b>318,794</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>2,169</b>	--	--	<b>2,941</b>	<b>-631</b>	<b>-378</b>	<b>35</b>	<b>3,879</b>	<b>187</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>983</b>	<b>-19</b>	<b>29</b>	<b>120</b>	<b>-197</b>	--	<b>-228</b>	<b>114</b>	<b>184</b>	<b>846</b>
Natural Gas Liquids	983	-19	-18	110	-175	--	-227	114	184	810
Ethane	332	--	--	--	--	--	-7	--	88	157
Propane	360	--	76	87	-212	--	-147	--	2	457
Normal Butane	121	--	-1,521	15	-48	--	-102	39	5	55
Isobutane	62	--	-3	8	2	--	19	46	0	3
Natural Gasoline	109	-19	--	0	176	--	10	29	89	139
Refinery Olefins	--	--	46	10	--	--	-1	--	--	36
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	46	9	-22	--	-2	--	--	35
Normal Butylene	--	--	0	1	--	--	0	--	--	1
Isobutylene	--	--	0	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>1,019</b>	--	<b>25</b>	<b>-561</b>	<b>-113</b>	<b>120</b>	<b>238</b>	<b>54</b>	<b>-41</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,020	--	3	-704	-24	2	278	15	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,020	--	3	-704	-63	2	239	15	0
Fuel Ethanol	--	948	--	--	-676	-34	-5	228	14	0
Renewable Fuels Except Fuel Ethanol	--	72	--	3	-28	-29	7	11	0	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-9	--	5	-7	36	-41
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	19	153	-89	113	-33	3	0
Reformulated	--	0	--	--	33	-20	-23	35	--	0
Conventional	--	0	--	19	120	-68	136	-68	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>3</b>	<b>4,438</b>	<b>32</b>	<b>-44</b>	<b>152</b>	<b>94</b>	--	<b>25</b>	<b>4,461</b>
Finished Motor Gasoline	--	3	2,401	--	-21	122	26	--	2	2,476
Reformulated	--	--	339	--	--	28	--	--	--	367
Conventional	--	3	2,062	--	-21	94	26	--	2	2,109
Finished Aviation Gasoline	--	--	1	0	0	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	259	--	17	--	-6	--	2	280
Kerosene	--	--	10	--	1	--	-2	--	0	13
Distillate Fuel Oil	--	--	1,202	11	35	30	36	--	3	1,238
15 ppm sulfur and under	--	--	1,193	8	31	30	27	--	0	1,234
Greater than 15 ppm to 500 ppm sulfur	--	--	4	--	4	--	0	--	2	7
Greater than 500 ppm sulfur	--	--	5	3	--	--	9	--	2	-3
Residual Fuel Oil <sup>6</sup>	--	--	48	3	-39	--	1	--	6	5
Less than 0.31 percent sulfur	--	--	2	--	-1	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	7	1	-1	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	39	2	-37	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	31	5	-4	--	-1	--	--	33
Naphtha for Petro. Feed. Use	--	--	21	3	-3	--	0	--	--	20
Other Oils for Petro. Feed. Use	--	--	11	2	-1	--	-1	--	--	14
Special Naphthas	--	--	2	0	1	--	0	--	--	4
Lubricants	--	--	2	4	4	--	-5	--	5	10
Waxes	--	--	0	0	--	--	0	--	1	-1
Petroleum Coke	--	--	186	1	-27	--	3	--	1	155
Marketable	--	--	137	1	-27	--	3	--	1	107
Catalyst	--	--	48	--	--	--	--	--	--	48
Asphalt and Road Oil	--	--	137	8	-11	--	43	--	3	88
Still Gas	--	--	143	--	--	--	--	--	--	143
Miscellaneous Products	--	--	16	--	--	--	0	--	0	16
<b>Total</b>	<b>3,153</b>	<b>1,004</b>	<b>4,467</b>	<b>3,117</b>	<b>-1,433</b>	<b>-339</b>	<b>21</b>	<b>4,231</b>	<b>450</b>	<b>5,267</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>2,169</b>	--	--	<b>2,941</b>	<b>-631</b>	<b>-378</b>	<b>35</b>	<b>3,879</b>	<b>187</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>983</b>	<b>-19</b>	<b>29</b>	<b>120</b>	<b>-197</b>	--	<b>-228</b>	<b>114</b>	<b>184</b>	<b>846</b>
Natural Gas Liquids	983	-19	-18	110	-175	--	-227	114	184	810
Ethane	332	--	--	--	--	--	-7	--	88	157
Propane	360	--	76	87	-212	--	-147	--	2	457
Normal Butane	121	--	-91	15	-48	--	-102	39	5	55
Isobutane	62	--	-3	8	2	--	19	46	0	3
Natural Gasoline	109	-19	--	0	176	--	10	29	89	139
Refinery Olefins	--	--	46	10	--	--	-1	--	--	36
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	46	9	-22	--	-2	--	--	35
Normal Butylene	--	--	0	1	--	--	0	--	--	1
Isobutylene	--	--	0	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>1,019</b>	--	<b>25</b>	<b>-561</b>	<b>-113</b>	<b>120</b>	<b>238</b>	<b>54</b>	<b>-41</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,020	--	3	-704	-24	2	278	15	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,020	--	3	-704	-63	2	239	15	0
Fuel Ethanol	--	948	--	--	-676	-34	-5	228	14	0
Renewable Fuels Except Fuel Ethanol	--	72	--	3	-28	-29	7	11	0	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-9	--	5	-7	36	-41
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	19	153	-89	113	-33	3	0
Reformulated	--	0	--	--	33	-20	-23	35	--	0
Conventional	--	0	--	19	120	-68	136	-68	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>3</b>	<b>4,438</b>	<b>32</b>	<b>-44</b>	<b>152</b>	<b>94</b>	--	<b>25</b>	<b>4,461</b>
Finished Motor Gasoline	--	3	2,401	--	-21	122	26	--	2	2,476
Reformulated	--	--	339	--	--	28	--	--	--	367
Conventional	--	3	2,062	--	-21	94	26	--	2	2,109
Finished Aviation Gasoline	--	--	1	0	0	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	259	--	17	--	-6	--	2	280
Kerosene	--	--	10	--	1	--	-2	--	0	13
Distillate Fuel Oil	--	--	1,202	11	35	30	36	--	3	1,238
15 ppm sulfur and under	--	--	1,193	8	31	30	27	--	0	1,234
Greater than 15 ppm to 500 ppm sulfur	--	--	4	--	4	--	0	--	2	7
Greater than 500 ppm sulfur	--	--	5	3	--	--	9	--	2	-3
Residual Fuel Oil <sup>6</sup>	--	--	48	3	-39	--	1	--	6	5
Less than 0.31 percent sulfur	--	--	2	--	-1	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	7	1	-1	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	39	2	-37	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	31	5	-4	--	-1	--	--	33
Naphtha for Petro. Feed. Use	--	--	21	3	-3	--	0	--	--	20
Other Oils for Petro. Feed. Use	--	--	11	2	-1	--	-1	--	--	14
Special Naphthas	--	--	2	0	1	--	0	--	--	4
Lubricants	--	--	2	4	4	--	-5	--	5	10
Waxes	--	--	0	0	--	--	0	--	1	-1
Petroleum Coke	--	--	186	1	-27	--	3	--	1	155
Marketable	--	--	137	1	-27	--	3	--	1	107
Catalyst	--	--	48	--	--	--	--	--	--	48
Asphalt and Road Oil	--	--	137	8	-11	--	43	--	3	88
Still Gas	--	--	143	--	--	--	--	--	--	143
Miscellaneous Products	--	--	16	--	--	--	0	--	0	16
<b>Total</b>	<b>3,153</b>	<b>1,004</b>	<b>4,467</b>	<b>3,117</b>	<b>-1,433</b>	<b>-339</b>	<b>21</b>	<b>4,231</b>	<b>450</b>	<b>5,267</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>240,203</b>	--	--	<b>64,395</b>	<b>29,732</b>	<b>15,336</b>	<b>947</b>	<b>274,685</b>	<b>74,034</b>	<b>0</b>	<b>881,437</b>
<b>Hydrocarbon Gas Liquids</b>	<b>78,734</b>	<b>-10</b>	<b>9,851</b>	--	<b>16,660</b>	--	<b>-12,742</b>	<b>11,310</b>	<b>38,436</b>	<b>68,231</b>	<b>109,688</b>
Natural Gas Liquids	78,734	-10	3,191	--	16,342	--	-13,331	11,310	38,436	61,842	101,747
Ethane	34,781	--	49	--	--	--	-1,708	--	5,833	42,985	41,433
Propane	24,065	--	4,970	--	5,229	--	-6,443	--	27,948	12,759	27,760
Normal Butane	4,154	--	-1,521	--	2,055	--	-5,011	5,263	4,466	-30	17,314
Isobutane	8,387	--	-307	--	578	--	258	3,771	156	4,473	5,931
Natural Gasoline	7,347	-10	--	--	-3,800	--	-427	2,276	33	1,655	9,309
Refinery Olefins	--	--	6,660	--	--	--	589	--	--	6,389	7,941
Ethylene	--	--	--	--	--	--	0	--	--	0	0
Propylene	--	--	6,897	--	--	--	305	--	--	6,910	6,762
Normal Butylene	--	--	-204	--	--	--	284	--	--	-488	1,179
Isobutylene	--	--	-33	--	--	--	0	--	--	-33	0
<b>Other Liquids</b>	--	<b>3,501</b>	--	<b>15,269</b>	<b>-57,085</b>	<b>4,579</b>	<b>1,845</b>	<b>-52,459</b>	<b>16,319</b>	<b>560</b>	<b>134,008</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	--	3,501	--	87	6,737	4,471	1,595	9,049	4,152	0	9,804
Hydrogen	--	--	--	--	--	4,312	--	4,312	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,404	--	87	--	-335	302	--	1,854	0	1,849
Renewable Fuels (including Fuel Ethanol)	--	1,097	--	--	6,737	494	1,293	4,737	2,299	0	7,955
Fuel Ethanol	--	427	--	--	6,693	396	907	4,346	2,264	0	5,460
Renewable Fuels Except Fuel Ethanol	--	670	--	--	44	98	386	391	35	0	2,495
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	14,813	67	--	3,487	1,559	9,273	561	48,447
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	369	-63,889	108	-3,246	-63,059	2,893	0	75,717
Reformulated	--	--	--	--	-11,767	4,888	-1,059	-5,826	6	0	11,257
Conventional	--	--	--	369	-52,122	-4,780	-2,187	-57,233	2,887	0	64,460
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	9	-8	--	-1	40
<b>Finished Petroleum Products</b>	--	--	<b>242,075</b>	<b>3,520</b>	<b>-54,321</b>	<b>-204</b>	<b>-2,186</b>	--	<b>89,297</b>	<b>103,959</b>	<b>110,111</b>
Finished Motor Gasoline	--	--	75,552	--	-7,460	-504	1,340	--	24,627	41,621	12,991
Reformulated	--	--	13,626	--	--	-5,851	--	--	--	7,775	--
Conventional	--	--	61,926	--	-7,460	5,347	1,340	--	24,627	33,846	12,991
Finished Aviation Gasoline	--	--	255	43	-114	--	14	--	--	170	449
Kerosene-Type Jet Fuel	--	--	28,528	30	-16,540	--	-1,050	--	6,580	6,488	14,387
Kerosene	--	--	96	--	-233	--	111	--	151	-399	298
Distillate Fuel Oil	--	--	89,584	319	-31,450	300	-2,323	--	34,687	26,389	40,865
15 ppm sulfur and under	--	--	80,102	319	-30,070	300	-1,654	--	27,750	24,555	34,310
Greater than 15 ppm to 500 ppm sulfur	--	--	3,697	--	-210	--	-337	--	2,886	938	1,345
Greater than 500 ppm sulfur	--	--	5,785	--	-1,170	--	-332	--	4,051	896	5,210
Residual Fuel Oil <sup>7</sup>	--	--	5,332	1,362	1,433	--	392	--	6,250	1,485	16,643
Less than 0.31 percent sulfur	--	--	1,387	--	33	--	402	--	NA	NA	1,302
0.31 to 1.00 percent sulfur	--	--	565	--	35	--	36	--	NA	NA	2,575
Greater than 1.00 percent sulfur	--	--	3,380	1,362	1,365	--	-46	--	NA	NA	12,766
Petrochemical Feedstocks	--	--	8,372	283	375	--	-86	--	--	9,116	2,668
Naphtha for Petro. Feed. Use	--	--	5,184	230	97	--	-86	--	--	5,597	1,796
Other Oils for Petro. Feed. Use	--	--	3,188	53	278	--	0	--	--	3,519	872
Special Naphthas	--	--	909	150	-29	--	-27	--	--	1,057	1,151
Lubricants	--	--	3,985	1,169	-499	--	-67	--	2,402	2,320	10,491
Waxes	--	--	104	22	--	--	3	--	28	95	275
Petroleum Coke	--	--	14,785	142	551	--	-363	--	14,090	1,751	4,533
Marketable	--	--	11,291	142	551	--	-363	--	14,090	-1,743	4,533
Catalyst	--	--	3,494	--	--	--	--	--	--	3,494	--
Asphalt and Road Oil	--	--	2,216	--	-355	--	-120	--	458	1,524	4,976
Still Gas	--	--	10,555	--	--	--	--	--	--	10,555	--
Miscellaneous Products	--	--	1,802	--	--	--	-10	--	24	1,788	384
<b>Total</b>	<b>318,937</b>	<b>3,491</b>	<b>251,926</b>	<b>83,184</b>	<b>-65,013</b>	<b>19,711</b>	<b>-12,136</b>	<b>233,536</b>	<b>218,086</b>	<b>172,750</b>	<b>1,235,244</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol,

biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

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

<sup>7</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>240,203</b>	--	--	<b>64,395</b>	<b>29,732</b>	<b>15,336</b>	<b>947</b>	<b>274,685</b>	<b>74,034</b>	<b>0</b>	<b>881,437</b>
<b>Hydrocarbon Gas Liquids</b>	<b>78,734</b>	<b>-10</b>	<b>9,851</b>	--	<b>16,660</b>	--	<b>-12,742</b>	<b>11,310</b>	<b>38,436</b>	<b>68,231</b>	<b>109,688</b>
Natural Gas Liquids	78,734	-10	3,191	--	16,342	--	-13,331	11,310	38,436	61,842	--
Ethane	34,781	--	49	--	--	--	-1,708	--	5,833	42,985	--
Propane	24,065	--	4,970	--	5,229	--	-6,443	--	27,948	12,759	--
Normal Butane	4,154	--	-1,521	--	2,055	--	-5,011	5,263	4,466	-30	--
Isobutane	8,387	--	-307	--	578	--	258	3,771	156	4,473	--
Natural Gasoline	7,347	-10	--	--	-3,800	--	-427	2,276	33	1,655	--
Refinery Olefins	--	--	6,660	--	--	--	589	--	--	6,389	--
Ethylene	--	--	--	--	--	--	0	--	--	0	--
Propylene	--	--	6,897	--	--	--	305	--	--	6,910	--
Normal Butylene	--	--	-204	--	--	--	284	--	--	-488	--
Isobutylene	--	--	-33	--	--	--	0	--	--	-33	--
<b>Other Liquids</b>	--	<b>3,501</b>	--	<b>15,269</b>	<b>-57,085</b>	<b>4,579</b>	<b>1,845</b>	<b>-52,459</b>	<b>16,319</b>	<b>560</b>	<b>134,008</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	3,501	--	87	6,737	4,471	1,595	9,049	4,152	0	9,804
Hydrogen	--	--	--	--	--	4,312	--	4,312	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,404	--	87	--	-335	302	--	1,854	0	1,849
Renewable Fuels (including Fuel Ethanol)	--	1,097	--	--	6,737	494	1,293	4,737	2,299	0	7,955
Fuel Ethanol	--	427	--	--	6,693	396	907	4,346	2,264	0	5,460
Renewable Fuels Except Fuel Ethanol	--	670	--	--	44	98	386	391	35	0	2,495
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	14,813	67	--	3,487	1,559	9,273	561	48,447
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	369	-63,889	108	-3,246	-63,059	2,893	0	75,717
Reformulated	--	--	--	--	-11,767	4,888	-1,059	-5,826	6	0	11,257
Conventional	--	--	--	369	-52,122	-4,780	-2,187	-57,233	2,887	0	64,460
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	9	-8	--	-1	40
<b>Finished Petroleum Products</b>	--	--	<b>242,075</b>	<b>3,520</b>	<b>-54,321</b>	<b>-204</b>	<b>-2,186</b>	--	<b>89,297</b>	<b>103,959</b>	<b>110,111</b>
Finished Motor Gasoline	--	--	75,552	--	-7,460	-504	1,340	--	24,627	41,621	12,991
Reformulated	--	--	13,626	--	--	-5,851	--	--	--	7,775	--
Conventional	--	--	61,926	--	-7,460	5,347	1,340	--	24,627	33,846	12,991
Finished Aviation Gasoline	--	--	255	43	-114	--	14	--	--	170	449
Kerosene-Type Jet Fuel	--	--	28,528	30	-16,540	--	-1,050	--	6,580	6,488	14,387
Kerosene	--	--	96	--	-233	--	111	--	151	-399	298
Distillate Fuel Oil	--	--	89,584	319	-31,450	300	-2,323	--	34,687	26,389	40,865
15 ppm sulfur and under	--	--	80,102	319	-30,070	300	-1,654	--	27,750	24,555	34,310
Greater than 15 ppm to 500 ppm sulfur	--	--	3,697	--	-210	--	-337	--	2,886	938	1,345
Greater than 500 ppm sulfur	--	--	5,785	--	-1,170	--	-332	--	4,051	896	5,210
Residual Fuel Oil <sup>7</sup>	--	--	5,332	1,362	1,433	--	392	--	6,250	1,485	16,643
Less than 0.31 percent sulfur	--	--	1,387	--	33	--	402	--	NA	NA	1,302
0.31 to 1.00 percent sulfur	--	--	565	--	35	--	36	--	NA	NA	2,575
Greater than 1.00 percent sulfur	--	--	3,380	1,362	1,365	--	-46	--	NA	NA	12,766
Petrochemical Feedstocks	--	--	8,372	283	375	--	-86	--	--	9,116	2,668
Naphtha for Petro. Feed. Use	--	--	5,184	230	97	--	-86	--	--	5,597	1,796
Other Oils for Petro. Feed. Use	--	--	3,188	53	278	--	0	--	--	3,519	872
Special Naphthas	--	--	909	150	-29	--	-27	--	--	1,057	1,151
Lubricants	--	--	3,985	1,169	-499	--	-67	--	2,402	2,320	10,491
Waxes	--	--	104	22	--	--	3	--	28	95	275
Petroleum Coke	--	--	14,785	142	551	--	-363	--	14,090	1,751	4,533
Marketable	--	--	11,291	142	551	--	-363	--	14,090	-1,743	4,533
Catalyst	--	--	3,494	--	--	--	--	--	--	3,494	--
Asphalt and Road Oil	--	--	2,216	--	-355	--	-120	--	458	1,524	4,976
Still Gas	--	--	10,555	--	--	--	--	--	--	10,555	--
Miscellaneous Products	--	--	1,802	--	--	--	-10	--	24	1,788	384
<b>Total</b>	<b>318,937</b>	<b>3,491</b>	<b>251,926</b>	<b>83,184</b>	<b>-65,013</b>	<b>19,711</b>	<b>-12,136</b>	<b>233,536</b>	<b>218,086</b>	<b>172,750</b>	<b>1,235,244</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

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

<sup>7</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>7,748</b>	--	--	<b>2,077</b>	<b>959</b>	<b>495</b>	<b>31</b>	<b>8,861</b>	<b>2,388</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>2,540</b>	<b>0</b>	<b>318</b>	--	<b>537</b>	--	<b>-411</b>	<b>365</b>	<b>1,240</b>	<b>2,201</b>
Natural Gas Liquids	2,540	0	103	--	527	--	-430	365	1,240	1,995
Ethane	1,122	--	2	--	--	--	-55	--	188	1,387
Propane	776	--	160	--	169	--	-208	--	902	412
Normal Butane	134	--	-49	--	66	--	-162	170	144	-1
Isobutane	271	--	-10	--	19	--	8	122	5	144
Natural Gasoline	237	0	--	--	-123	--	-14	73	1	53
Refinery Olefins	--	--	215	--	--	--	19	--	--	206
Ethylene	--	--	--	--	--	--	0	--	--	0
Propylene	--	--	222	--	10	--	10	--	--	223
Normal Butylene	--	--	-7	--	--	--	9	--	--	-16
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	--	<b>113</b>	--	<b>493</b>	<b>-1,841</b>	<b>148</b>	<b>60</b>	<b>-1,692</b>	<b>526</b>	<b>18</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	113	--	3	217	144	51	292	134	0
Hydrogen	--	--	--	--	--	139	--	139	--	0
Oxygenates (excluding Fuel Ethanol)	--	78	--	3	--	-11	10	--	60	0
Renewable Fuels (including Fuel Ethanol)	--	35	--	--	217	16	42	153	74	0
Fuel Ethanol	--	14	--	--	216	13	29	140	73	0
Renewable Fuels Except Fuel Ethanol	--	22	--	--	1	3	12	13	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	478	2	--	112	50	299	18
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	12	-2,061	3	-105	-2,034	93	0
Reformulated	--	--	--	--	-380	158	-34	-188	0	0
Conventional	--	--	--	12	-1,681	-154	-71	-1,846	93	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>7,809</b>	<b>114</b>	<b>-1,752</b>	<b>-7</b>	<b>-71</b>	--	<b>2,881</b>	<b>3,354</b>
Finished Motor Gasoline	--	--	2,437	--	-241	-16	43	--	794	1,343
Reformulated	--	--	440	--	--	-189	--	--	--	251
Conventional	--	--	1,998	--	-241	172	43	--	794	1,092
Finished Aviation Gasoline	--	--	8	1	-4	--	0	--	--	5
Kerosene-Type Jet Fuel	--	--	920	1	-534	--	-34	--	212	209
Kerosene	--	--	3	--	-8	--	4	--	5	-13
Distillate Fuel Oil	--	--	2,890	10	-1,015	10	-75	--	1,119	851
15 ppm sulfur and under	--	--	2,584	10	-970	10	-53	--	895	792
Greater than 15 ppm to 500 ppm sulfur	--	--	119	--	-7	--	-11	--	93	30
Greater than 500 ppm sulfur	--	--	187	--	-38	--	-11	--	131	29
Residual Fuel Oil <sup>7</sup>	--	--	172	44	46	--	13	--	202	48
Less than 0.31 percent sulfur	--	--	45	--	1	--	13	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	18	--	1	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	109	44	44	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	270	9	12	--	-3	--	--	294
Naphtha for Petro. Feed. Use	--	--	167	7	3	--	-3	--	--	181
Other Oils for Petro. Feed. Use	--	--	103	2	9	--	0	--	--	114
Special Naphthas	--	--	29	5	-1	--	-1	--	--	34
Lubricants	--	--	129	38	-16	--	-2	--	77	75
Waxes	--	--	3	1	--	--	0	--	1	3
Petroleum Coke	--	--	477	5	18	--	-12	--	455	56
Marketable	--	--	364	5	18	--	-12	--	455	-56
Catalyst	--	--	113	--	--	--	--	--	--	113
Asphalt and Road Oil	--	--	71	--	-11	--	-4	--	15	49
Still Gas	--	--	340	--	--	--	--	--	--	340
Miscellaneous Products	--	--	58	--	--	--	0	--	1	58
<b>Total</b>	<b>10,288</b>	<b>113</b>	<b>8,127</b>	<b>2,683</b>	<b>-2,097</b>	<b>636</b>	<b>-391</b>	<b>7,533</b>	<b>7,035</b>	<b>5,573</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

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

<sup>7</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>7,748</b>	--	--	<b>2,077</b>	<b>959</b>	<b>495</b>	<b>31</b>	<b>8,861</b>	<b>2,388</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>2,540</b>	<b>0</b>	<b>318</b>	--	<b>537</b>	--	<b>-411</b>	<b>365</b>	<b>1,240</b>	<b>2,201</b>
Natural Gas Liquids	2,540	0	103	--	527	--	-430	365	1,240	1,995
Ethane	1,122	--	2	--	--	--	-55	--	188	1,387
Propane	776	--	160	--	169	--	-208	--	902	412
Normal Butane	134	--	-263	--	66	--	-162	170	144	-1
Isobutane	271	--	-10	--	19	--	8	122	5	144
Natural Gasoline	237	0	--	--	-123	--	-14	73	1	53
Refinery Olefins	--	--	215	--	--	--	19	--	--	206
Ethylene	--	--	--	--	--	--	0	--	--	0
Propylene	--	--	222	--	10	--	10	--	--	223
Normal Butylene	--	--	-7	--	--	--	9	--	--	-16
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	--	<b>113</b>	--	<b>493</b>	<b>-1,841</b>	<b>148</b>	<b>60</b>	<b>-1,692</b>	<b>526</b>	<b>18</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	113	--	3	217	144	51	292	134	0
Hydrogen	--	--	--	--	--	139	--	139	--	0
Oxygenates (excluding Fuel Ethanol)	--	78	--	3	--	-11	10	--	60	0
Renewable Fuels (including Fuel Ethanol)	--	35	--	--	217	16	42	153	74	0
Fuel Ethanol	--	14	--	--	216	13	29	140	73	0
Renewable Fuels Except Fuel Ethanol	--	22	--	--	1	3	12	13	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	478	2	--	112	50	299	18
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	12	-2,061	3	-105	-2,034	93	0
Reformulated	--	--	--	--	-380	158	-34	-188	0	0
Conventional	--	--	--	12	-1,681	-154	-71	-1,846	93	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>7,809</b>	<b>114</b>	<b>-1,752</b>	<b>-7</b>	<b>-71</b>	--	<b>2,881</b>	<b>3,354</b>
Finished Motor Gasoline	--	--	2,437	--	-241	-16	43	--	794	1,343
Reformulated	--	--	440	--	--	-189	--	--	--	251
Conventional	--	--	1,998	--	-241	172	43	--	794	1,092
Finished Aviation Gasoline	--	--	8	1	-4	--	0	--	--	5
Kerosene-Type Jet Fuel	--	--	920	1	-534	--	-34	--	212	209
Kerosene	--	--	3	--	-8	--	4	--	5	-13
Distillate Fuel Oil	--	--	2,890	10	-1,015	10	-75	--	1,119	851
15 ppm sulfur and under	--	--	2,584	10	-970	10	-53	--	895	792
Greater than 15 ppm to 500 ppm sulfur	--	--	119	--	-7	--	-11	--	93	30
Greater than 500 ppm sulfur	--	--	187	--	-38	--	-11	--	131	29
Residual Fuel Oil <sup>7</sup>	--	--	172	44	46	--	13	--	202	48
Less than 0.31 percent sulfur	--	--	45	--	1	--	13	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	18	--	1	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	109	44	44	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	270	9	12	--	-3	--	--	294
Naphtha for Petro. Feed. Use	--	--	167	7	3	--	-3	--	--	181
Other Oils for Petro. Feed. Use	--	--	103	2	9	--	0	--	--	114
Special Naphthas	--	--	29	5	-1	--	-1	--	--	34
Lubricants	--	--	129	38	-16	--	-2	--	77	75
Waxes	--	--	3	1	--	--	0	--	1	3
Petroleum Coke	--	--	477	5	18	--	-12	--	455	56
Marketable	--	--	364	5	18	--	-12	--	455	-56
Catalyst	--	--	113	--	--	--	--	--	--	113
Asphalt and Road Oil	--	--	71	--	-11	--	-4	--	15	49
Still Gas	--	--	340	--	--	--	--	--	--	340
Miscellaneous Products	--	--	58	--	--	--	0	--	1	58
<b>Total</b>	<b>10,288</b>	<b>113</b>	<b>8,127</b>	<b>2,683</b>	<b>-2,097</b>	<b>636</b>	<b>-391</b>	<b>7,533</b>	<b>7,035</b>	<b>5,573</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

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

<sup>7</sup> 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 and 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 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>28,618</b>	--	--	<b>12,211</b>	<b>-20,003</b>	<b>-1,958</b>	<b>-759</b>	<b>19,627</b>	--	<b>0</b>	<b>20,781</b>
<b>Hydrocarbon Gas Liquids</b>	<b>13,459</b>	<b>-10</b>	<b>36</b>	<b>781</b>	<b>-10,903</b>	--	<b>-487</b>	<b>836</b>	<b>65</b>	<b>2,949</b>	<b>2,973</b>
Natural Gas Liquids	13,459	-10	0	781	-10,903	--	-524	836	65	2,950	2,899
Ethane	4,087	--	--	--	--	--	52	--	--	88	517
Propane	4,798	--	241	596	-3,397	--	-171	--	1	2,408	1,225
Normal Butane	1,842	--	-263	159	-1,407	--	-428	464	4	291	515
Isobutane	881	--	22	26	-807	--	29	200	--	-107	296
Natural Gasoline	1,851	-10	--	--	-1,345	--	-6	172	60	270	346
Refinery Olefins	--	--	36	--	--	--	37	--	--	-1	74
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	-9	--	--	--	0	--	--	-9	1
Normal Butylene	--	--	48	--	--	--	36	--	--	12	67
Isobutylene	--	--	-3	--	--	--	1	--	--	-4	6
<b>Other Liquids</b>	--	<b>416</b>	--	<b>58</b>	<b>-108</b>	<b>-720</b>	<b>339</b>	<b>-1,236</b>	<b>2</b>	<b>540</b>	<b>9,977</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	416	--	1	216	537	65	1,105	--	0	532
Hydrogen	--	--	--	--	--	195	--	195	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	416	--	1	216	342	65	910	--	0	532
Fuel Ethanol	--	416	--	--	161	344	47	874	--	0	400
Renewable Fuels Except Fuel Ethanol	--	0	--	1	54	-1	18	36	--	0	132
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	109	-651	2	540	3,606
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	57	-324	-1,258	165	-1,690	0	0	5,839
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-324	-1,258	165	-1,690	0	0	5,839
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>20,050</b>	<b>156</b>	<b>-974</b>	<b>932</b>	<b>42</b>	--	<b>16</b>	<b>20,106</b>	<b>9,018</b>
Finished Motor Gasoline	--	--	9,333	--	-570	914	21	--	1	9,655	1,634
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,333	--	-570	914	21	--	1	9,655	1,634
Finished Aviation Gasoline	--	--	3	--	--	--	-3	--	--	6	7
Kerosene-Type Jet Fuel	--	--	943	--	863	--	38	--	--	1,768	852
Kerosene	--	--	--	--	--	--	-1	--	--	1	1
Distillate Fuel Oil	--	--	6,607	30	-384	18	-315	--	0	6,586	4,129
15 ppm sulfur and under	--	--	6,606	30	-384	18	-262	--	0	6,532	3,895
Greater than 15 ppm to 500 ppm sulfur	--	--	34	--	--	--	-19	--	--	53	182
Greater than 500 ppm sulfur	--	--	-33	--	--	--	-34	--	--	1	52
Residual Fuel Oil <sup>6</sup>	--	--	394	97	--	--	9	--	7	475	245
Less than 0.31 percent sulfur	--	--	209	--	--	--	4	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	--	25	--	--	--	-4	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	160	97	--	--	9	--	NA	NA	212
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	8	-8	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	738	--	-245	--	-28	--	--	521	166
Marketable	--	--	527	--	-245	--	-28	--	--	310	166
Catalyst	--	--	211	--	--	--	--	--	--	211	--
Asphalt and Road Oil	--	--	1,287	28	-638	--	318	--	0	358	1,965
Still Gas	--	--	663	--	--	--	--	--	--	663	--
Miscellaneous Products	--	--	82	1	--	--	3	--	--	80	19
<b>Total</b>	<b>42,077</b>	<b>406</b>	<b>20,086</b>	<b>13,206</b>	<b>-31,988</b>	<b>-1,746</b>	<b>-865</b>	<b>19,227</b>	<b>83</b>	<b>23,595</b>	<b>42,749</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>28,618</b>	--	--	<b>12,211</b>	<b>-20,003</b>	<b>-1,958</b>	<b>-759</b>	<b>19,627</b>	--	<b>0</b>	<b>20,781</b>
<b>Hydrocarbon Gas Liquids</b>	<b>13,459</b>	<b>-10</b>	<b>36</b>	<b>781</b>	<b>-10,903</b>	--	<b>-487</b>	<b>836</b>	<b>65</b>	<b>2,949</b>	<b>2,973</b>
Natural Gas Liquids	13,459	-10	0	781	-10,903	--	-524	836	65	2,950	--
Ethane	4,087	--	--	--	--	--	52	--	--	88	--
Propane	4,798	--	241	596	-3,397	--	-171	--	1	2,408	--
Normal Butane	1,842	--	-263	159	-1,407	--	-428	464	4	291	--
Isobutane	881	--	22	26	-807	--	29	200	--	-107	--
Natural Gasoline	1,851	-10	--	--	-1,345	--	-6	172	60	270	--
Refinery Olefins	--	--	36	--	--	--	37	--	--	-1	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	-9	--	--	--	0	--	--	-9	--
Normal Butylene	--	--	48	--	--	--	36	--	--	12	--
Isobutylene	--	--	-3	--	--	--	1	--	--	-4	--
<b>Other Liquids</b>	--	<b>416</b>	--	<b>58</b>	<b>-108</b>	<b>-720</b>	<b>339</b>	<b>-1,236</b>	<b>2</b>	<b>540</b>	<b>9,977</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	416	--	1	216	537	65	1,105	--	0	532
Hydrogen	--	--	--	--	--	195	--	195	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	416	--	1	216	342	65	910	--	0	532
Fuel Ethanol	--	416	--	--	161	344	47	874	--	0	400
Renewable Fuels Except Fuel Ethanol	--	0	--	1	54	-1	18	36	--	0	132
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	109	-651	2	540	3,606
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	57	-324	-1,258	165	-1,690	0	0	5,839
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-324	-1,258	165	-1,690	0	0	5,839
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>20,050</b>	<b>156</b>	<b>-974</b>	<b>932</b>	<b>42</b>	--	<b>16</b>	<b>20,106</b>	<b>9,018</b>
Finished Motor Gasoline	--	--	9,333	--	-570	914	21	--	1	9,655	1,634
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,333	--	-570	914	21	--	1	9,655	1,634
Finished Aviation Gasoline	--	--	3	--	--	--	-3	--	--	6	7
Kerosene-Type Jet Fuel	--	--	943	--	863	--	38	--	--	1,768	852
Kerosene	--	--	--	--	--	--	-1	--	--	1	1
Distillate Fuel Oil	--	--	6,607	30	-384	18	-315	--	0	6,586	4,129
15 ppm sulfur and under	--	--	6,606	30	-384	18	-262	--	0	6,532	3,895
Greater than 15 ppm to 500 ppm sulfur	--	--	34	--	--	--	-19	--	--	53	182
Greater than 500 ppm sulfur	--	--	-33	--	--	--	-34	--	--	1	52
Residual Fuel Oil <sup>6</sup>	--	--	394	97	--	--	9	--	7	475	245
Less than 0.31 percent sulfur	--	--	209	--	--	--	4	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	--	25	--	--	--	-4	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	160	97	--	--	9	--	NA	NA	212
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	8	-8	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	738	--	-245	--	-28	--	--	521	166
Marketable	--	--	527	--	-245	--	-28	--	--	310	166
Catalyst	--	--	211	--	--	--	--	--	--	211	--
Asphalt and Road Oil	--	--	1,287	28	-638	--	318	--	0	358	1,965
Still Gas	--	--	663	--	--	--	--	--	--	663	--
Miscellaneous Products	--	--	82	1	--	--	3	--	--	80	19
<b>Total</b>	<b>42,077</b>	<b>406</b>	<b>20,086</b>	<b>13,206</b>	<b>-31,988</b>	<b>-1,746</b>	<b>-865</b>	<b>19,227</b>	<b>83</b>	<b>23,595</b>	<b>42,749</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogases, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>923</b>	--	--	<b>394</b>	<b>-645</b>	<b>-63</b>	<b>-24</b>	<b>633</b>	--	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>434</b>	<b>0</b>	<b>1</b>	<b>25</b>	<b>-352</b>	--	<b>-16</b>	<b>27</b>	<b>2</b>	<b>95</b>
Natural Gas Liquids	434	0	0	25	-352	--	-17	27	2	95
Ethane	132	--	--	--	--	--	2	--	--	3
Propane	155	--	8	19	-110	--	-6	--	0	78
Normal Butane	59	--	-8	5	-45	--	-14	15	0	9
Isobutane	28	--	1	1	-26	--	1	6	--	-3
Natural Gasoline	60	0	--	--	-43	--	0	6	2	9
Refinery Olefins	--	--	1	--	--	--	1	--	--	0
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	1	--	--	0
Isobutylene	--	--	0	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>13</b>	--	<b>2</b>	<b>-3</b>	<b>-23</b>	<b>11</b>	<b>-40</b>	<b>0</b>	<b>17</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	13	--	0	7	17	2	36	--	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	13	--	0	7	11	2	29	--	0
Fuel Ethanol	--	13	--	--	5	11	2	28	--	0
Renewable Fuels Except Fuel Ethanol	--	0	--	0	2	0	1	1	--	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	4	-21	0	17
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	-10	-41	5	-55	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-10	-41	5	-55	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>647</b>	<b>5</b>	<b>-31</b>	<b>30</b>	<b>1</b>	--	<b>1</b>	<b>649</b>
Finished Motor Gasoline	--	--	301	--	-18	29	1	--	0	311
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	301	--	-18	29	1	--	0	311
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	30	--	28	--	1	--	--	57
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	213	1	-12	1	-10	--	0	212
15 ppm sulfur and under	--	--	213	1	-12	1	-8	--	0	211
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	-1	--	--	2
Greater than 500 ppm sulfur	--	--	-1	--	--	--	-1	--	--	0
Residual Fuel Oil <sup>6</sup>	--	--	13	3	--	--	0	--	0	15
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	--	--	5	3	--	--	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	--	--	24	--	-8	--	-1	--	--	17
Marketable	--	--	17	--	-8	--	-1	--	--	10
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	42	1	-21	--	10	--	0	12
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
<b>Total</b>	<b>1,357</b>	<b>13</b>	<b>648</b>	<b>426</b>	<b>-1,032</b>	<b>-56</b>	<b>-28</b>	<b>620</b>	<b>3</b>	<b>761</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>923</b>	--	--	<b>394</b>	<b>-645</b>	<b>-63</b>	<b>-24</b>	<b>633</b>	--	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>434</b>	<b>0</b>	<b>1</b>	<b>25</b>	<b>-352</b>	--	<b>-16</b>	<b>27</b>	<b>2</b>	<b>95</b>
Natural Gas Liquids	434	0	0	25	-352	--	-17	27	2	95
Ethane	132	--	--	--	--	--	2	--	--	3
Propane	155	--	8	19	-110	--	-6	--	0	78
Normal Butane	59	--	-8	5	-45	--	-14	15	0	9
Isobutane	28	--	1	1	-26	--	1	6	--	-3
Natural Gasoline	60	0	--	--	-43	--	0	6	2	9
Refinery Olefins	--	--	1	--	--	--	1	--	--	0
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	1	--	--	0
Isobutylene	--	--	0	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>13</b>	--	<b>2</b>	<b>-3</b>	<b>-23</b>	<b>11</b>	<b>-40</b>	<b>0</b>	<b>17</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	13	--	0	7	17	2	36	--	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	13	--	0	7	11	2	29	--	0
Fuel Ethanol	--	13	--	--	5	11	2	28	--	0
Renewable Fuels Except Fuel Ethanol	--	0	--	0	2	0	1	1	--	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	4	-21	0	17
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	-10	-41	5	-55	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-10	-41	5	-55	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>647</b>	<b>5</b>	<b>-31</b>	<b>30</b>	<b>1</b>	--	<b>1</b>	<b>649</b>
Finished Motor Gasoline	--	--	301	--	-18	29	1	--	0	311
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	301	--	-18	29	1	--	0	311
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	30	--	28	--	1	--	--	57
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	213	1	-12	1	-10	--	0	212
15 ppm sulfur and under	--	--	213	1	-12	1	-8	--	0	211
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	-1	--	--	2
Greater than 500 ppm sulfur	--	--	-1	--	--	--	-1	--	--	0
Residual Fuel Oil <sup>6</sup>	--	--	13	3	--	--	0	--	0	15
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	--	--	5	3	--	--	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	--	--	24	--	-8	--	-1	--	--	17
Marketable	--	--	17	--	-8	--	-1	--	--	10
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	42	1	-21	--	10	--	0	12
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
<b>Total</b>	<b>1,357</b>	<b>13</b>	<b>648</b>	<b>426</b>	<b>-1,032</b>	<b>-56</b>	<b>-28</b>	<b>620</b>	<b>3</b>	<b>761</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>29,970</b>	--	--	<b>41,227</b>	<b>4,989</b>	<b>2,410</b>	<b>4,213</b>	<b>74,384</b>	--	<b>0</b>	<b>49,359</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,868</b>	<b>-15</b>	<b>186</b>	<b>2,118</b>	<b>1,064</b>	--	<b>-1,193</b>	<b>3,229</b>	<b>935</b>	<b>2,250</b>	<b>2,366</b>
Natural Gas Liquids	1,868	-15	-56	2,118	1,064	--	-1,166	3,229	935	1,981	2,343
Ethane	2	--	--	--	--	--	--	--	0	2	--
Propane	296	--	1,021	1,172	356	--	-738	--	781	2,802	675
Normal Butane	351	--	-1,146	799	338	--	-387	1,762	143	-1,176	1,271
Isobutane	342	--	69	147	370	--	-37	676	1	288	367
Natural Gasoline	877	-15	--	--	--	--	-4	791	10	65	30
Refinery Olefins	--	--	242	--	--	--	-27	--	--	269	23
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	265	--	--	--	0	--	--	265	12
Normal Butylene	--	--	-23	--	--	--	-27	--	--	4	11
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>924</b>	--	<b>2,481</b>	<b>9,969</b>	<b>-491</b>	<b>2,662</b>	<b>9,443</b>	<b>543</b>	<b>234</b>	<b>54,380</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	924	--	591	4,985	191	129	6,259	302	0	5,091
Hydrogen	--	--	--	--	--	1,098	--	1,098	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0	--
Renewable Fuels (including Fuel Ethanol)	--	924	--	591	4,985	-907	129	5,161	302	0	5,091
Fuel Ethanol	--	610	--	--	4,639	-574	-240	4,632	283	0	2,932
Renewable Fuels Except Fuel Ethanol	--	314	--	591	346	-333	369	529	19	0	2,159
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,307	--	--	-680	1,736	17	234	18,770
Motor Gasoline Blend Comp. (MGBC)	--	--	--	583	4,984	-682	3,213	1,448	224	0	30,519
Reformulated	--	--	--	--	2,299	516	1,352	1,462	1	0	14,116
Conventional	--	--	--	583	2,685	-1,198	1,861	-14	223	0	16,403
Aviation Gasoline Blend Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>93,141</b>	<b>3,706</b>	<b>2,340</b>	<b>1,179</b>	<b>962</b>	--	<b>11,524</b>	<b>87,879</b>	<b>36,853</b>
Finished Motor Gasoline	--	--	46,727	364	380	1,257	1	--	1,822	46,905	2,085
Reformulated	--	--	32,781	--	--	-756	1	--	--	32,024	15
Conventional	--	--	13,946	364	380	2,012	0	--	1,822	14,880	2,070
Finished Aviation Gasoline	--	--	--	--	--	--	-24	--	--	24	191
Kerosene-Type Jet Fuel	--	--	14,241	1,732	252	--	-86	--	714	15,597	9,836
Kerosene	--	--	-8	--	--	--	-27	--	3	16	46
Distillate Fuel Oil	--	--	18,531	121	1,065	-78	489	--	3,759	15,391	14,338
15 ppm sulfur and under	--	--	17,798	121	1,065	-78	515	--	2,760	15,631	13,378
Greater than 15 ppm to 500 ppm sulfur	--	--	323	--	--	--	-4	--	796	-469	240
Greater than 500 ppm sulfur	--	--	410	--	--	--	-22	--	202	230	720
Residual Fuel Oil <sup>6</sup>	--	--	3,849	1,245	--	--	227	--	708	4,159	4,741
Less than 0.31 percent sulfur	--	--	4	338	--	--	322	--	NA	NA	584
0.31 to 1.00 percent sulfur	--	--	843	207	--	--	52	--	NA	NA	519
Greater than 1.00 percent sulfur	--	--	3,002	700	--	--	-147	--	NA	NA	3,632
Petrochemical Feedstocks	--	--	3	38	--	--	1	--	--	40	6
Naphtha for Petro. Feed. Use	--	--	3	38	--	--	1	--	--	40	6
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	30	--	--	--	-8	--	--	38	49
Lubricants	--	--	526	6	--	--	-10	--	411	131	1,259
Waxes	--	--	--	72	--	--	--	--	3	69	--
Petroleum Coke	--	--	4,605	23	108	--	-16	--	3,926	825	1,455
Marketable	--	--	3,561	23	108	--	-16	--	3,926	-219	1,455
Catalyst	--	--	1,044	--	--	--	--	--	--	1,044	--
Asphalt and Road Oil	--	--	657	105	535	--	429	--	178	690	2,762
Still Gas	--	--	3,549	--	--	--	--	--	--	3,549	--
Miscellaneous Products	--	--	431	--	--	--	-14	--	0	445	85
<b>Total</b>	<b>31,838</b>	<b>909</b>	<b>93,327</b>	<b>49,532</b>	<b>18,361</b>	<b>3,098</b>	<b>6,644</b>	<b>87,056</b>	<b>13,002</b>	<b>90,363</b>	<b>142,958</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>29,970</b>	--	--	<b>41,227</b>	<b>4,989</b>	<b>2,410</b>	<b>4,213</b>	<b>74,384</b>	--	<b>0</b>	<b>49,359</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,868</b>	<b>-15</b>	<b>186</b>	<b>2,118</b>	<b>1,064</b>	--	<b>-1,193</b>	<b>3,229</b>	<b>935</b>	<b>2,250</b>	<b>2,366</b>
Natural Gas Liquids	1,868	-15	-56	2,118	1,064	--	-1,166	3,229	935	1,981	--
Ethane	2	--	--	--	--	--	--	--	0	2	--
Propane	296	--	1,021	1,172	356	--	-738	--	781	2,802	--
Normal Butane	351	--	-1,146	799	338	--	-387	1,762	143	-1,176	--
Isobutane	342	--	69	147	370	--	-37	676	1	288	--
Natural Gasoline	877	-15	--	--	--	--	-4	791	10	65	--
Refinery Olefins	--	--	242	--	--	--	-27	--	--	269	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	265	--	--	--	0	--	--	265	--
Normal Butylene	--	--	-23	--	--	--	-27	--	--	4	--
Isobutylene	--	--	--	--	--	--	0	--	--	0	--
<b>Other Liquids</b>	--	<b>924</b>	--	<b>2,481</b>	<b>9,969</b>	<b>-491</b>	<b>2,662</b>	<b>9,443</b>	<b>543</b>	<b>234</b>	<b>54,380</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	924	--	591	4,985	191	129	6,259	302	0	5,091
Hydrogen	--	--	--	--	--	1,098	--	1,098	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0	--
Renewable Fuels (including Fuel Ethanol)	--	924	--	591	4,985	-907	129	5,161	302	0	5,091
Fuel Ethanol	--	610	--	--	4,639	-574	-240	4,632	283	0	2,932
Renewable Fuels Except Fuel Ethanol	--	314	--	591	346	-333	369	529	19	0	2,159
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,307	--	--	-680	1,736	17	234	18,770
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	583	4,984	-682	3,213	1,448	224	0	30,519
Reformulated	--	--	--	--	2,299	516	1,352	1,462	1	0	14,116
Conventional	--	--	--	583	2,685	-1,198	1,861	-14	223	0	16,403
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>93,141</b>	<b>3,706</b>	<b>2,340</b>	<b>1,179</b>	<b>962</b>	--	<b>11,524</b>	<b>87,879</b>	<b>36,853</b>
Finished Motor Gasoline	--	--	46,727	364	380	1,257	1	--	1,822	46,905	2,085
Reformulated	--	--	32,781	--	--	-756	1	--	--	32,024	15
Conventional	--	--	13,946	364	380	2,012	0	--	1,822	14,880	2,070
Finished Aviation Gasoline	--	--	--	--	--	--	-24	--	--	24	191
Kerosene-Type Jet Fuel	--	--	14,241	1,732	252	--	-86	--	714	15,597	9,836
Kerosene	--	--	-8	--	--	--	-27	--	3	16	46
Distillate Fuel Oil	--	--	18,531	121	1,065	-78	489	--	3,759	15,391	14,338
15 ppm sulfur and under	--	--	17,798	121	1,065	-78	515	--	2,760	15,631	13,378
Greater than 15 ppm to 500 ppm sulfur	--	--	323	--	--	--	-4	--	796	-469	240
Greater than 500 ppm sulfur	--	--	410	--	--	--	-22	--	202	230	720
Residual Fuel Oil <sup>6</sup>	--	--	3,849	1,245	--	--	227	--	708	4,159	4,741
Less than 0.31 percent sulfur	--	--	4	338	--	--	322	--	NA	NA	584
0.31 to 1.00 percent sulfur	--	--	843	207	--	--	52	--	NA	NA	519
Greater than 1.00 percent sulfur	--	--	3,002	700	--	--	-147	--	NA	NA	3,632
Petrochemical Feedstocks	--	--	3	38	--	--	1	--	--	40	6
Naphtha for Petro. Feed. Use	--	--	3	38	--	--	1	--	--	40	6
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	30	--	--	--	-8	--	--	38	49
Lubricants	--	--	526	6	--	--	-10	--	411	131	1,259
Waxes	--	--	--	72	--	--	--	--	3	69	--
Petroleum Coke	--	--	4,605	23	108	--	-16	--	3,926	825	1,455
Marketable	--	--	3,561	23	108	--	-16	--	3,926	-219	1,455
Catalyst	--	--	1,044	--	--	--	--	--	--	1,044	--
Asphalt and Road Oil	--	--	657	105	535	--	429	--	178	690	2,762
Still Gas	--	--	3,549	--	--	--	--	--	--	3,549	--
Miscellaneous Products	--	--	431	--	--	--	-14	--	0	445	85
<b>Total</b>	<b>31,838</b>	<b>909</b>	<b>93,327</b>	<b>49,532</b>	<b>18,361</b>	<b>3,098</b>	<b>6,644</b>	<b>87,056</b>	<b>13,002</b>	<b>90,363</b>	<b>142,958</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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, January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>967</b>	--	--	<b>1,330</b>	<b>161</b>	<b>78</b>	<b>136</b>	<b>2,399</b>	--	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>60</b>	<b>0</b>	<b>6</b>	<b>68</b>	<b>34</b>	--	<b>-38</b>	<b>104</b>	<b>30</b>	<b>73</b>
Natural Gas Liquids	60	0	-2	68	34	--	-38	104	30	64
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	10	--	33	38	11	--	-24	--	25	90
Normal Butane	11	--	-37	26	11	--	-12	57	5	-38
Isobutane	11	--	2	5	12	--	-1	22	0	9
Natural Gasoline	28	0	--	--	--	--	0	26	0	2
Refinery Olefins	--	--	8	--	--	--	-1	--	--	9
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	9	--	--	--	0	--	--	9
Normal Butylene	--	--	-1	--	--	--	-1	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>30</b>	--	<b>80</b>	<b>322</b>	<b>-16</b>	<b>86</b>	<b>305</b>	<b>18</b>	<b>8</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	30	--	19	161	6	4	202	10	0
Hydrogen	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	30	--	19	161	-29	4	166	10	0
Fuel Ethanol	--	20	--	--	150	-19	-8	149	9	0
Renewable Fuels Except Fuel Ethanol	--	10	--	19	11	-11	12	17	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	42	--	--	-22	56	1	8
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	19	161	-22	104	47	7	0
Reformulated	--	--	--	--	74	17	44	47	0	0
Conventional	--	--	--	19	87	-39	60	0	7	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>3,005</b>	<b>120</b>	<b>75</b>	<b>38</b>	<b>31</b>	--	<b>372</b>	<b>2,835</b>
Finished Motor Gasoline	--	--	1,507	12	12	41	0	--	59	1,513
Reformulated	--	--	1,057	--	--	-24	0	--	--	1,033
Conventional	--	--	450	12	12	65	0	--	59	480
Finished Aviation Gasoline	--	--	--	--	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	--	459	56	8	--	-3	--	23	503
Kerosene	--	--	0	--	--	--	-1	--	0	1
Distillate Fuel Oil	--	--	598	4	34	-3	16	--	121	496
15 ppm sulfur and under	--	--	574	4	34	-3	17	--	89	504
Greater than 15 ppm to 500 ppm sulfur	--	--	10	--	--	--	0	--	26	-15
Greater than 500 ppm sulfur	--	--	13	--	--	--	-1	--	7	7
Residual Fuel Oil <sup>6</sup>	--	--	124	40	--	--	7	--	23	134
Less than 0.31 percent sulfur	--	--	0	11	--	--	10	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	27	7	--	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	97	23	--	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	17	0	--	--	0	--	13	4
Waxes	--	--	--	2	--	--	--	--	0	2
Petroleum Coke	--	--	149	1	3	--	-1	--	127	27
Marketable	--	--	115	1	3	--	-1	--	127	-7
Catalyst	--	--	34	--	--	--	--	--	--	34
Asphalt and Road Oil	--	--	21	3	17	--	14	--	6	22
Still Gas	--	--	114	--	--	--	--	--	--	114
Miscellaneous Products	--	--	14	--	--	--	0	--	0	14
<b>Total</b>	<b>1,027</b>	<b>29</b>	<b>3,011</b>	<b>1,598</b>	<b>592</b>	<b>100</b>	<b>214</b>	<b>2,808</b>	<b>419</b>	<b>2,915</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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-January 2019**  
(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) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>967</b>	--	--	<b>1,330</b>	<b>161</b>	<b>78</b>	<b>136</b>	<b>2,399</b>	--	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>60</b>	<b>0</b>	<b>6</b>	<b>68</b>	<b>34</b>	--	<b>-38</b>	<b>104</b>	<b>30</b>	<b>73</b>
Natural Gas Liquids	60	0	-2	68	34	--	-38	104	30	64
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	10	--	33	38	11	--	-24	--	25	90
Normal Butane	11	--	-37	26	11	--	-12	57	5	-38
Isobutane	11	--	2	5	12	--	-1	22	0	9
Natural Gasoline	28	0	--	--	--	--	0	26	0	2
Refinery Olefins	--	--	8	--	--	--	-1	--	--	9
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	9	--	--	--	0	--	--	9
Normal Butylene	--	--	-1	--	--	--	-1	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>30</b>	--	<b>80</b>	<b>322</b>	<b>-16</b>	<b>86</b>	<b>305</b>	<b>18</b>	<b>8</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	30	--	19	161	6	4	202	10	0
Hydrogen	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	30	--	19	161	-29	4	166	10	0
Fuel Ethanol	--	20	--	--	150	-19	-8	149	9	0
Renewable Fuels Except Fuel Ethanol	--	10	--	19	11	-11	12	17	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	42	--	--	-22	56	1	8
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	19	161	-22	104	47	7	0
Reformulated	--	--	--	--	74	17	44	47	0	0
Conventional	--	--	--	19	87	-39	60	0	7	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>3,005</b>	<b>120</b>	<b>75</b>	<b>38</b>	<b>31</b>	--	<b>372</b>	<b>2,835</b>
Finished Motor Gasoline	--	--	1,507	12	12	41	0	--	59	1,513
Reformulated	--	--	1,057	--	--	-24	0	--	--	1,033
Conventional	--	--	450	12	12	65	0	--	59	480
Finished Aviation Gasoline	--	--	--	--	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	--	459	56	8	--	-3	--	23	503
Kerosene	--	--	0	--	--	--	-1	--	0	1
Distillate Fuel Oil	--	--	598	4	34	-3	16	--	121	496
15 ppm sulfur and under	--	--	574	4	34	-3	17	--	89	504
Greater than 15 ppm to 500 ppm sulfur	--	--	10	--	--	--	0	--	26	-15
Greater than 500 ppm sulfur	--	--	13	--	--	--	-1	--	7	7
Residual Fuel Oil <sup>6</sup>	--	--	124	40	--	--	7	--	23	134
Less than 0.31 percent sulfur	--	--	0	11	--	--	10	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	27	7	--	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	97	23	--	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	17	0	--	--	0	--	13	4
Waxes	--	--	--	2	--	--	--	--	0	2
Petroleum Coke	--	--	149	1	3	--	-1	--	127	27
Marketable	--	--	115	1	3	--	-1	--	127	-7
Catalyst	--	--	34	--	--	--	--	--	--	34
Asphalt and Road Oil	--	--	21	3	17	--	14	--	6	22
Still Gas	--	--	114	--	--	--	--	--	--	114
Miscellaneous Products	--	--	14	--	--	--	0	--	0	14
<b>Total</b>	<b>1,027</b>	<b>29</b>	<b>3,011</b>	<b>1,598</b>	<b>592</b>	<b>100</b>	<b>214</b>	<b>2,808</b>	<b>419</b>	<b>2,915</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> 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).

<sup>3</sup> 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.

<sup>4</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogiesel, marketable petroleum coke, and asphalt and road oil

<sup>5</sup> 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.

<sup>6</sup> 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 and 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, January 2019**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	1,951	67,250	240,203	28,618	29,970	367,993	11,871
Alaskan .....	--	--	--	--	--	15,383	496
Lower 48 States .....	--	--	--	--	--	352,610	11,375
Imports (PAD District of Entry) .....	24,129	91,164	64,395	12,211	41,227	233,126	7,520
Commercial .....	24,129	91,164	64,395	12,211	41,227	233,126	7,520
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	4,846	-19,565	29,732	-20,003	4,989	--	--
Adjustments <sup>1</sup> .....	2,000	-11,729	15,336	-1,958	2,410	6,059	195
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	1,520	1,089	947	-759	4,213	7,010	226
Commercial .....	--	--	947	--	--	7,010	226
SPR .....	--	--	0	--	--	0	0
Refinery Inputs .....	31,404	120,238	274,685	19,627	74,384	520,338	16,785
Exports .....	2	5,793	74,034	--	--	79,830	2,575
<b>Ending Stocks</b>							
Total .....	13,175	133,191	881,437	20,781	49,359	1,097,943	--
Commercial .....	13,175	133,191	232,298	20,781	49,359	448,804	--
Refinery .....	10,972	13,581	49,874	2,290	21,060	97,777	--
Tank Farms and Pipelines .....	2,203	119,610	182,424	18,491	24,689	347,417	--
Cushing, Oklahoma .....	--	42,634	--	--	--	42,634	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	3,610	3,610	--
SPR .....	--	--	649,139	--	--	649,139	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	59.1	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	33.8	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	409	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	24,129	91,164	64,395	12,211	41,227	233,126	7,520
PAD District of Processing .....	26,060	81,313	74,411	9,429	41,913	233,126	7,520

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> 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 and 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, January 2019**  
(Thousand Barrels)

PAD District and State	January 2019		January-January 2019	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>1,951</b>	<b>63</b>	<b>1,951</b>	<b>63</b>
Florida .....	154	5	154	5
New York .....	16	1	16	1
Pennsylvania .....	481	16	481	16
Virginia .....	0	0	0	0
West Virginia .....	1,300	42	1,300	42
<b>PAD District 2</b> .....	<b>67,250</b>	<b>2,169</b>	<b>67,250</b>	<b>2,169</b>
Illinois .....	755	24	755	24
Indiana .....	139	4	139	4
Kansas .....	2,825	91	2,825	91
Kentucky .....	179	6	179	6
Michigan .....	447	14	447	14
Missouri .....	6	0	6	0
Nebraska .....	182	6	182	6
North Dakota .....	42,668	1,376	42,668	1,376
Ohio .....	1,958	63	1,958	63
Oklahoma .....	17,968	580	17,968	580
South Dakota .....	103	3	103	3
Tennessee .....	21	1	21	1
<b>PAD District 3</b> .....	<b>240,203</b>	<b>7,748</b>	<b>240,203</b>	<b>7,748</b>
Alabama .....	472	15	472	15
Arkansas .....	389	13	389	13
Louisiana .....	3,706	120	3,706	120
Mississippi .....	1,563	50	1,563	50
New Mexico .....	25,273	815	25,273	815
Texas .....	149,786	4,832	149,786	4,832
Federal Offshore PAD District 3 .....	59,013	1,904	59,013	1,904
<b>PAD District 4</b> .....	<b>28,618</b>	<b>923</b>	<b>28,618</b>	<b>923</b>
Colorado .....	15,504	500	15,504	500
Idaho .....	3	0	3	0
Montana .....	1,938	63	1,938	63
Utah .....	3,117	101	3,117	101
Wyoming .....	8,056	260	8,056	260
<b>PAD District 5</b> .....	<b>29,970</b>	<b>967</b>	<b>29,970</b>	<b>967</b>
Alaska .....	15,383	496	15,383	496
South Alaska .....	466	15	466	15
North Slope .....	14,917	481	14,917	481
Arizona .....	1	0	1	0
California .....	14,197	458	14,197	458
Nevada .....	24	1	24	1
Federal Offshore PAD District 5 .....	366	12	366	12
<b>U.S. Total</b> .....	<b>367,993</b>	<b>11,871</b>	<b>367,993</b>	<b>11,871</b>

- = 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 and 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, January 2019**  
(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
<b>Hydrocarbon Gas Liquids</b> .....	13	16,334	16,347	5,601	8,455	16,432	30,488
Natural Gas Liquids .....	13	16,334	16,347	5,601	8,455	16,432	30,488
Ethane .....	-	6,638	6,638	1,700	1,690	6,890	10,280
Propane .....	4	5,633	5,637	2,423	3,485	5,242	11,150
Normal Butane .....	9	1,646	1,655	636	1,559	1,565	3,760
Isobutane .....	-	851	851	421	396	1,093	1,910
Natural Gasoline .....	-	1,566	1,566	421	1,325	1,642	3,388

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			
<b>Hydrocarbon Gas Liquids</b> .....	59,188	5,094	6,313	764	7,375	78,734	13,459	1,868	140,896
Natural Gas Liquids .....	59,188	5,094	6,313	764	7,375	78,734	13,459	1,868	140,896
Ethane .....	26,340	2,404	2,488	267	3,282	34,781	4,087	2	55,788
Propane .....	18,048	1,481	2,075	183	2,278	24,065	4,798	296	45,946
Normal Butane .....	5,844	-3,148	697	79	682	4,154	1,842	351	11,762
Isobutane .....	3,469	3,961	417	65	475	8,387	881	342	12,371
Natural Gasoline .....	5,487	396	636	170	658	7,347	1,851	877	15,029

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
<b>Hydrocarbon Gas Liquids</b> .....	5	291	296	964	119	432	1,515
Natural Gas Liquids .....	5	291	296	964	119	432	1,515
Ethane .....	-	-	-	108	1	83	192
Propane .....	2	130	132	541	42	136	719
Normal Butane .....	3	88	91	120	25	52	197
Isobutane .....	-	18	18	111	5	64	180
Natural Gasoline .....	-	55	55	84	46	97	227

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			
<b>Hydrocarbon Gas Liquids</b> .....	139	265	822	26	-	1,252	191	137	3,391
Natural Gas Liquids .....	139	265	822	26	-	1,252	191	137	3,391
Ethane .....	33	68	-	-	-	101	4	-	297
Propane .....	39	140	29	19	-	227	84	27	1,189
Normal Butane .....	9	43	122	6	-	180	36	55	559
Isobutane .....	29	11	45	-	-	85	17	32	332
Natural Gasoline .....	29	3	626	1	-	659	50	23	1,014

- = 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, January 2019**  
(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
<b>Crude Oil</b> .....	<b>28,329</b>	<b>3,075</b>	<b>31,404</b>	<b>76,479</b>	<b>15,811</b>	<b>27,948</b>	<b>120,238</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,195</b>	<b>-</b>	<b>2,195</b>	<b>2,374</b>	<b>120</b>	<b>1,046</b>	<b>3,540</b>
Natural Gas Liquids .....	2,195	-	2,195	2,374	120	1,046	3,540
Normal Butane .....	1,490	-	1,490	844	33	337	1,214
Isobutane .....	460	-	460	923	75	423	1,421
Natural Gasoline .....	245	-	245	607	12	286	905
<b>Other Liquids</b> .....	<b>74,878</b>	<b>5,620</b>	<b>80,498</b>	<b>5,815</b>	<b>1,667</b>	<b>-111</b>	<b>7,371</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	9,792	747	10,539	5,574	1,341	1,692	8,607
Hydrogen .....	103	13	116	719	270	191	1,180
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	9,689	734	10,423	4,831	1,071	1,501	7,403
Fuel Ethanol .....	9,219	681	9,900	4,591	1,039	1,443	7,073
Renewable Diesel Fuel <sup>2</sup> .....	470	53	523	240	32	58	330
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	24	-	-	24
Unfinished Oils (net) .....	2,422	-104	2,318	37	-159	-105	-227
Naphthas and Lighter .....	1,290	-82	1,208	519	-122	254	651
Kerosene and Light Gas Oils .....	405	-	405	-242	-130	-91	-463
Heavy Gas Oils .....	873	-24	849	-39	93	-147	-93
Residuum .....	-146	2	-144	-201	-	-121	-322
Motor Gasoline Blend.Comp. (MGBC)(net) .....	62,664	4,977	67,641	204	485	-1,698	-1,009
Reformulated - RBOB .....	14,762	103	14,865	-986	1,041	1,045	1,100
Conventional .....	47,902	4,874	52,776	1,190	-556	-2,743	-2,109
CBOB .....	41,823	4,873	46,696	2,978	-657	-2,845	-524
GTAB .....	1,206	-	1,206	-	-	-	-
Other .....	4,873	1	4,874	-1,788	101	102	-1,585
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>105,402</b>	<b>8,695</b>	<b>114,097</b>	<b>84,668</b>	<b>17,598</b>	<b>28,883</b>	<b>131,149</b>

See footnotes at end of table.

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2019**  
(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			
<b>Crude Oil</b> .....	<b>20,045</b>	<b>136,557</b>	<b>107,323</b>	<b>6,842</b>	<b>3,918</b>	<b>274,685</b>	<b>19,627</b>	<b>74,384</b>	<b>520,338</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>929</b>	<b>5,412</b>	<b>4,723</b>	<b>72</b>	<b>174</b>	<b>11,310</b>	<b>836</b>	<b>3,229</b>	<b>21,110</b>
Natural Gas Liquids .....	929	5,412	4,723	72	174	11,310	836	3,229	21,110
Normal Butane .....	475	2,596	2,159	33	—	5,263	464	1,762	10,193
Isobutane .....	303	1,621	1,637	36	174	3,771	200	676	6,528
Natural Gasoline .....	151	1,195	927	3	—	2,276	172	791	4,389
<b>Other Liquids</b> .....	<b>7,517</b>	<b>-38,252</b>	<b>-28,121</b>	<b>6,838</b>	<b>-441</b>	<b>-52,459</b>	<b>-1,236</b>	<b>9,443</b>	<b>43,617</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	2,083	3,269	2,334	1,119	244	9,049	1,105	6,259	35,559
Hydrogen .....	12	2,411	1,735	104	50	4,312	195	1,098	6,901
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,071	858	599	1,015	194	4,737	910	5,161	28,634
Fuel Ethanol .....	1,958	801	471	950	166	4,346	874	4,632	26,825
Renewable Diesel Fuel <sup>2</sup> .....	113	57	128	65	28	391	36	522	1,802
Other Renewable Fuels .....	—	—	—	—	—	—	—	7	7
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	24
Unfinished Oils (net) .....	-971	-4,401	7,178	-141	-106	1,559	-651	1,736	4,735
Naphthas and Lighter .....	-131	-6,378	-203	-29	-52	-6,793	-52	-799	-5,785
Kerosene and Light Gas Oils .....	-6	-809	985	2	-47	125	-300	336	103
Heavy Gas Oils .....	-923	2,313	5,943	-50	-7	7,276	-216	1,883	9,699
Residuum .....	89	473	453	-64	—	951	-83	316	718
Motor Gasoline Blend.Comp. (MGBC)(net) .....	6,406	-37,120	-37,626	5,860	-579	-63,059	-1,690	1,448	3,331
Reformulated - RBOB .....	5,332	-8,120	-2,322	—	-716	-5,826	—	1,462	11,601
Conventional .....	1,074	-29,000	-35,304	5,860	137	-57,233	-1,690	-14	-8,270
CBOB .....	1,262	-31,704	-35,419	5,904	71	-59,886	-1,721	527	-14,908
GTAB .....	—	—	—	—	—	—	—	—	1,206
Other .....	-188	2,704	115	-44	66	2,653	31	-541	5,432
Aviation Gasoline Blend. Comp. (net) .....	-1	—	-7	—	—	-8	—	—	-8
<b>Total Input</b> .....	<b>28,491</b>	<b>103,717</b>	<b>83,925</b>	<b>13,752</b>	<b>3,651</b>	<b>233,536</b>	<b>19,227</b>	<b>87,056</b>	<b>585,065</b>

— = No Data Reported.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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, January 2019**  
(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
Hydrocarbon Gas Liquids .....	701	-53	648	1,264	-187	-190	887
Natural Gas Liquids .....	235	-53	182	237	-349	-441	-553
Ethane .....	-	-	-	-	-	-	-
Propane .....	592	25	617	1,629	270	463	2,362
Normal Butane .....	-356	-63	-419	-1,366	-573	-879	-2,818
Isobutane .....	-1	-15	-16	-26	-46	-25	-97
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	466	-	466	1,027	162	251	1,440
Ethylene .....	8	-	8	-	-	-	-
Propylene .....	479	-	479	1,028	162	225	1,415
Normal Butylene .....	-45	-	-45	-1	-	11	10
Isobutylene .....	24	-	24	-	-	15	15
Finished Motor Gasoline .....	88,888	6,844	95,732	48,814	9,811	15,813	74,438
Reformulated .....	38,406	120	38,526	7,849	1,503	1,161	10,513
Reformulated Blended with Fuel Ethanol .....	38,406	120	38,526	7,849	1,503	1,161	10,513
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	50,482	6,724	57,206	40,965	8,308	14,652	63,925
Conventional Blended with Fuel Ethanol .....	52,945	6,669	59,614	37,548	8,648	12,979	59,175
Ed55 and Lower .....	52,893	6,669	59,562	37,542	8,627	12,928	59,097
Greater than Ed55 .....	52	-	52	6	21	51	78
Conventional Other .....	-2,463	55	-2,408	3,417	-340	1,673	4,750
Finished Aviation Gasoline .....	-	-	-	-	31	-	31
Kerosene-Type Jet Fuel .....	3,168	-	3,168	6,361	724	937	8,022
Kerosene .....	124	3	127	307	-	8	315
Distillate Fuel Oil .....	9,973	850	10,823	20,809	5,390	11,074	37,273
15 ppm sulfur and under .....	8,465	721	9,186	20,624	5,372	10,986	36,982
Greater than 15 ppm to 500 ppm sulfur .....	99	84	183	-	-	139	139
Greater than 500 ppm sulfur .....	1,409	45	1,454	185	18	-51	152
Residual Fuel Oil .....	1,269	3	1,272	1,286	102	94	1,482
Less than 0.31 percent sulfur .....	356	3	359	66	-	-	66
0.31 to 1.00 percent sulfur .....	288	-	288	133	70	-	203
Greater than 1.00 percent sulfur .....	625	-	625	1,087	32	94	1,213
Petrochemical Feedstocks .....	62	-	62	934	-	39	973
Naphtha for Petro. Feed. Use .....	62	-	62	643	-	-	643
Other Oils for Petro. Feed. Use .....	-	-	-	291	-	39	330
Special Naphthas .....	-	18	18	43	-	22	65
Lubricants .....	184	203	387	-	-	55	55
Waxes .....	-	12	12	-	-	11	11
Petroleum Coke .....	1,064	22	1,086	3,975	824	958	5,757
Marketable .....	436	-	436	2,874	651	731	4,256
Catalyst .....	628	22	650	1,101	173	227	1,501
Asphalt and Road Oil .....	184	666	850	2,639	1,412	202	4,253
Still Gas .....	1,313	56	1,369	2,692	659	1,070	4,421
Miscellaneous Products .....	70	25	95	320	111	58	489
<b>Total .....</b>	<b>107,000</b>	<b>8,649</b>	<b>115,649</b>	<b>89,444</b>	<b>18,877</b>	<b>30,151</b>	<b>138,472</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-1,598</b>	<b>46</b>	<b>-1,552</b>	<b>-4,776</b>	<b>-1,279</b>	<b>-1,268</b>	<b>-7,323</b>

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2019**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						Total	PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico					
Hydrocarbon Gas Liquids .....	576	4,475	4,819	-15	-4	9,851	36	186	11,608	
Natural Gas Liquids .....	289	1,091	1,862	-47	-4	3,191	0	-56	2,764	
Ethane .....	2	24	23	-	-	49	-	-	49	
Propane .....	288	2,353	2,268	13	48	4,970	241	1,021	9,211	
Normal Butane .....	-75	-778	-561	-60	-47	-1,521	-263	-1,146	-6,167	
Isobutane .....	74	-508	132	-	-5	-307	22	69	-329	
Natural Gasoline .....	-	-	-	-	-	-	-	-	-	
Refinery Olefins .....	287	3,384	2,957	32	-	6,660	36	242	8,844	
Ethylene .....	-	-	-	-	-	-	-	-	8	
Propylene .....	287	3,516	3,062	32	-	6,897	-9	265	9,047	
Normal Butylene .....	0	-99	-105	-	-	-204	48	-23	-214	
Isobutylene .....	-	-33	-	-	-	-33	-3	-	3	
Finished Motor Gasoline .....	19,279	28,553	17,040	8,750	1,930	75,552	9,333	46,727	301,782	
Reformulated .....	7,313	6,313	-	-	-	13,626	-	32,781	95,446	
Reformulated Blended with Fuel Ethanol .....	7,313	6,313	-	-	-	13,626	-	32,781	95,446	
Reformulated Other .....	-	-	-	-	-	-	-	-	-	
Conventional .....	11,966	22,240	17,040	8,750	1,930	61,926	9,333	13,946	206,336	
Conventional Blended with Fuel Ethanol .....	11,976	1,574	4,678	9,412	1,674	29,314	8,792	13,271	170,166	
Ed55 and Lower .....	11,959	1,574	4,678	9,400	1,674	29,285	8,782	13,269	169,995	
Greater than Ed55 .....	17	-	-	12	-	29	10	2	171	
Conventional Other .....	-10	20,666	12,362	-662	256	32,612	541	675	36,170	
Finished Aviation Gasoline .....	45	102	108	-	-	255	3	-	289	
Kerosene-Type Jet Fuel .....	1,414	14,558	12,458	97	1	28,528	943	14,241	54,902	
Kerosene .....	-26	-1	75	48	-	96	-	-8	530	
Distillate Fuel Oil .....	5,970	42,326	37,130	2,540	1,618	89,584	6,607	18,531	162,818	
15 ppm sulfur and under .....	5,994	39,926	30,173	2,391	1,618	80,102	6,606	17,798	150,674	
Greater than 15 ppm to 500 ppm sulfur .....	-24	229	3,392	100	-	3,697	34	323	4,376	
Greater than 500 ppm sulfur .....	-	2,171	3,565	49	-	5,785	-33	410	7,768	
Residual Fuel Oil .....	381	1,285	3,595	-9	80	5,332	394	3,849	12,329	
Less than 0.31 percent sulfur .....	263	116	1,008	-	-	1,387	209	4	2,025	
0.31 to 1.00 percent sulfur .....	-	69	505	-9	-	565	25	843	1,924	
Greater than 1.00 percent sulfur .....	118	1,100	2,082	-	80	3,380	160	3,002	8,380	
Petrochemical Feedstocks .....	126	5,157	3,089	-	-	8,372	-	3	9,410	
Naphtha for Petro. Feed. Use .....	113	3,369	1,702	-	-	5,184	-	3	5,892	
Other Oils for Petro. Feed. Use .....	13	1,788	1,387	-	-	3,188	-	-	3,518	
Special Naphthas .....	88	636	-	185	-	909	-	30	1,022	
Lubricants .....	24	1,480	1,616	865	-	3,985	-	526	4,953	
Waxes .....	-	44	42	18	-	104	-	-	127	
Petroleum Coke .....	327	8,523	5,735	162	38	14,785	738	4,605	26,971	
Marketable .....	147	6,583	4,411	150	-	11,291	527	3,561	20,071	
Catalyst .....	180	1,940	1,324	12	38	3,494	211	1,044	6,900	
Asphalt and Road Oil .....	324	307	647	866	72	2,216	1,287	657	9,263	
Still Gas .....	519	5,532	4,218	200	86	10,555	663	3,549	20,557	
Miscellaneous Products .....	116	1,033	590	19	44	1,802	82	431	2,899	
<b>Total .....</b>	<b>29,163</b>	<b>114,010</b>	<b>91,162</b>	<b>13,726</b>	<b>3,865</b>	<b>251,926</b>	<b>20,086</b>	<b>93,327</b>	<b>619,460</b>	
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-672</b>	<b>-10,293</b>	<b>-7,237</b>	<b>26</b>	<b>-214</b>	<b>-18,390</b>	<b>-859</b>	<b>-6,271</b>	<b>-34,395</b>	

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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, January 2019**  
(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
<b>Crude Oil</b> .....	<b>28,329</b>	<b>3,075</b>	<b>31,404</b>	<b>76,479</b>	<b>15,811</b>	<b>27,948</b>	<b>120,238</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,115</b>	<b>-</b>	<b>1,115</b>	<b>2,275</b>	<b>75</b>	<b>738</b>	<b>3,088</b>
Natural Gas Liquids .....	1,115	-	1,115	2,275	75	738	3,088
Normal Butane .....	655	-	655	745	-	97	842
Isobutane .....	460	-	460	923	75	423	1,421
Natural Gasoline .....	-	-	-	607	-	218	825
<b>Other Liquids</b> .....	<b>-12,752</b>	<b>-30</b>	<b>-12,782</b>	<b>-36,742</b>	<b>-6,627</b>	<b>-12,642</b>	<b>-56,011</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	169	148	317	1,004	392	321	1,717
Hydrogen .....	103	13	116	719	270	191	1,180
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	66	135	201	261	122	130	513
Fuel Ethanol .....	66	116	182	162	117	106	385
Renewable Diesel Fuel <sup>2</sup> .....	-	19	19	99	5	24	128
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	24	-	-	24
<b>Unfinished Oils (net)</b> .....	<b>2,422</b>	<b>-104</b>	<b>2,318</b>	<b>-32</b>	<b>-159</b>	<b>-105</b>	<b>-296</b>
Naphthas and Lighter .....	1,290	-82	1,208	519	-122	254	651
Kerosene and Light Gas Oils .....	405	-	405	-242	-130	-91	-463
Heavy Gas Oils .....	873	-24	849	-39	93	-147	-93
Residuum .....	-146	2	-144	-270	-	-121	-391
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-15,343	-74	-15,417	-37,714	-6,860	-12,858	-57,432
Reformulated - RBOB .....	-9,920	-	-9,920	-7,646	-312	-	-7,958
Conventional .....	-5,423	-74	-5,497	-30,068	-6,548	-12,858	-49,474
CBOB .....	-5,042	-75	-5,117	-28,262	-6,649	-12,960	-47,871
GTAB .....	-	-	-	-	-	-	-
Other .....	-381	1	-380	-1,806	101	102	-1,603
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>16,692</b>	<b>3,045</b>	<b>19,737</b>	<b>42,012</b>	<b>9,259</b>	<b>16,044</b>	<b>67,315</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	914	99	1,013	2,460	510	903	3,872
Operable Capacity (daily average) .....	1,126	98	1,224	2,678	547	917	4,141
Operable Utilization Rate (percent) <sup>3</sup> .....	81.2	101.1	82.8	91.9	93.3	98.5	93.5
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	163	16	179	455	71	166	692
Catalytic Cracking .....	351	18	369	717	145	217	1,079
Catalytic Hydrocracking .....	34	-	34	179	53	56	288
Delayed and Fluid Coking .....	59	-	59	316	60	92	468
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.73	1.62	0.81	1.57	1.83	0.65	1.39
API Gravity, Weighted Average (degrees) .....	34.43	32.27	34.22	32.37	28.24	38.50	33.19
<b>Operable Capacity (daily average)</b> .....	<b>1,126</b>	<b>98</b>	<b>1,224</b>	<b>2,678</b>	<b>547</b>	<b>917</b>	<b>4,141</b>
Operating .....	1,126	98	1,224	2,650	509	917	4,076
Idle .....	-	-	-	28	38	-	66
<b>Alaskan Crude Oil Receipts</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2019**  
(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			
<b>Crude Oil</b> .....	20,045	136,557	107,323	6,842	3,918	274,685	19,627	74,384	520,338
<b>Hydrocarbon Gas Liquids</b> .....	902	4,476	4,496	39	174	10,087	702	3,198	18,190
Natural Gas Liquids .....	902	4,476	4,496	39	174	10,087	702	3,198	18,190
Normal Butane .....	458	2,229	1,932	—	—	4,619	394	1,731	8,241
Isobutane .....	303	1,621	1,637	36	174	3,771	195	676	6,523
Natural Gasoline .....	141	626	927	3	—	1,697	113	791	3,426
<b>Other Liquids</b> .....	-9,351	-48,382	-31,027	-1,569	-1,539	-91,868	-5,608	-34,528	-200,797
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons .....	293	2,468	2,035	153	117	5,066	504	1,434	9,038
Hydrogen .....	12	2,411	1,735	104	50	4,312	195	1,098	6,901
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	281	57	300	49	67	754	309	336	2,113
Fuel Ethanol .....	221	45	172	30	56	524	286	98	1,475
Renewable Diesel Fuel <sup>2</sup> .....	60	12	128	19	11	230	23	238	638
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	24
Unfinished Oils (net) .....	-971	-4,257	7,020	-141	-106	1,545	-651	1,736	4,652
Naphthas and Lighter .....	-131	-6,378	-203	-29	-52	-6,793	-52	-799	-5,785
Kerosene and Light Gas Oils .....	-6	-665	957	2	-47	241	-300	336	219
Heavy Gas Oils .....	-923	2,313	5,813	-50	-7	7,146	-216	1,883	9,569
Residuum .....	89	473	453	-64	—	951	-83	316	649
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-8,672	-46,593	-40,075	-1,581	-1,550	-98,471	-5,461	-37,698	-214,479
Reformulated - RBOB .....	-1,244	-12,660	-2,322	—	-716	-16,942	—	-27,514	-62,334
Conventional .....	-7,428	-33,933	-37,753	-1,581	-834	-81,529	-5,461	-10,184	-152,145
CBOB .....	-7,240	-30,658	-36,620	-1,537	-896	-76,951	-5,490	-9,638	-145,067
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	-188	-3,275	-1,133	-44	62	-4,578	29	-546	-7,078
Aviation Gasoline Blend. Comp. (net) .....	-1	—	-7	—	—	-8	—	—	-8
<b>Total Input to Refineries</b> .....	<b>11,596</b>	<b>92,651</b>	<b>80,792</b>	<b>5,312</b>	<b>2,553</b>	<b>192,904</b>	<b>14,721</b>	<b>43,054</b>	<b>337,731</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	646	4,479	3,569	195	136	9,025	634	2,554	17,098
Operable Capacity (daily average) .....	745	5,007	3,690	256	136	9,835	687	2,875	18,762
Operable Utilization Rate (percent) <sup>3</sup> .....	86.7	89.5	96.7	76.2	99.7	91.8	92.3	88.8	91.1
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	143	600	563	31	29	1,367	99	380	2,717
Catalytic Cracking .....	132	1,265	973	14	34	2,419	157	633	4,656
Catalytic Hydrocracking .....	49	526	424	18	17	1,034	23	468	1,847
Delayed and Fluid Coking .....	22	747	505	28	—	1,301	59	422	2,309
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.56	1.51	1.37	1.51	0.72	1.37	1.39	1.31	1.33
API Gravity, Weighted Average (degrees) .....	40.05	32.70	31.74	30.54	39.48	32.92	33.66	28.30	32.39
<b>Operable Capacity (daily average)</b> .....	<b>745</b>	<b>5,007</b>	<b>3,690</b>	<b>256</b>	<b>136</b>	<b>9,835</b>	<b>687</b>	<b>2,875</b>	<b>18,762</b>
Operating .....	745	5,007	3,690	256	136	9,835	677	2,875	18,686
Idle .....	—	—	—	—	—	—	10	—	75
<b>Alaskan Crude Oil Receipts</b> .....	—	—	—	—	—	—	—	<b>15,923</b>	<b>15,923</b>

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

<sup>3</sup> 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, January 2019**  
(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
Hydrocarbon Gas Liquids .....	701	-53	648	1,264	-187	-190	887
Natural Gas Liquids .....	235	-53	182	237	-349	-441	-553
Ethane .....	-	-	-	-	-	-	-
Propane .....	592	25	617	1,629	270	463	2,362
Normal Butane .....	-356	-63	-419	-1,366	-573	-879	-2,818
Isobutane .....	-1	-15	-16	-26	-46	-25	-97
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	466	-	466	1,027	162	251	1,440
Ethylene .....	8	-	8	-	-	-	-
Propylene .....	479	-	479	1,028	162	225	1,415
Normal Butylene .....	-45	-	-45	-1	-	11	10
Isobutylene .....	24	-	24	-	-	15	15
Finished Motor Gasoline .....	655	1,222	1,877	6,380	1,497	3,007	10,884
Reformulated .....	655	-	655	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	655	-	655	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	1,222	1,222	6,380	1,497	3,007	10,884
Conventional Blended with Fuel Ethanol .....	-	1,158	1,158	1,651	1,178	1,091	3,920
Ed55 and Lower .....	-	1,158	1,158	1,651	1,178	1,091	3,920
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	64	64	4,729	319	1,916	6,964
Finished Aviation Gasoline .....	-	-	-	-	31	-	31
Kerosene-Type Jet Fuel .....	3,168	-	3,168	6,369	724	937	8,030
Kerosene .....	124	3	127	310	-	8	318
Distillate Fuel Oil .....	9,427	822	10,249	20,655	5,364	11,039	37,058
15 ppm sulfur and under .....	7,962	693	8,655	20,470	5,346	10,951	36,767
Greater than 15 ppm to 500 ppm sulfur .....	-5	84	79	-	-	38	38
Greater than 500 ppm sulfur .....	1,470	45	1,515	185	18	50	253
Residual Fuel Oil .....	1,345	3	1,348	1,286	102	94	1,482
Less than 0.31 percent sulfur .....	434	3	437	66	-	-	66
0.31 to 1.00 percent sulfur .....	286	-	286	133	70	-	203
Greater than 1.00 percent sulfur .....	625	-	625	1,087	32	94	1,213
Petrochemical Feedstocks .....	62	-	62	934	-	39	973
Naphtha for Petro. Feed. Use .....	62	-	62	643	-	-	643
Other Oils for Petro. Feed. Use .....	-	-	-	291	-	39	330
Special Naphthas .....	-	18	18	43	-	22	65
Lubricants .....	184	203	387	-	-	55	55
Waxes .....	-	12	12	-	-	11	11
Petroleum Coke .....	1,064	22	1,086	3,975	824	958	5,757
Marketable .....	436	-	436	2,874	651	731	4,256
Catalyst .....	628	22	650	1,101	173	227	1,501
Asphalt and Road Oil .....	184	666	850	2,570	1,412	202	4,184
Still Gas .....	1,313	56	1,369	2,692	659	1,070	4,421
Miscellaneous Products .....	70	25	95	320	111	58	489
<b>Total .....</b>	<b>18,297</b>	<b>2,999</b>	<b>21,296</b>	<b>46,798</b>	<b>10,537</b>	<b>17,310</b>	<b>74,645</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,605	46	-1,559	-4,786	-1,278	-1,266	-7,330

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, January 2019**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						Total	PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico					
Hydrocarbon Gas Liquids .....	576	4,475	4,819	-15	-4	9,851	36	186	11,608	
Natural Gas Liquids .....	289	1,091	1,862	-47	-4	3,191	0	-56	2,764	
Ethane .....	2	24	23	-	-	49	-	-	49	
Propane .....	288	2,353	2,268	13	48	4,970	241	1,021	9,211	
Normal Butane .....	-75	-778	-561	-60	-47	-1,521	-263	-1,146	-6,167	
Isobutane .....	74	-508	132	-	-5	-307	22	69	-329	
Natural Gasoline .....	-	-	-	-	-	-	-	-	-	
Refinery Olefins .....	287	3,384	2,957	32	-	6,660	36	242	8,844	
Ethylene .....	-	-	-	-	-	-	-	-	8	
Propylene .....	287	3,516	3,062	32	-	6,897	-9	265	9,047	
Normal Butylene .....	0	-99	-105	-	-	-204	48	-23	-214	
Isobutylene .....	-	-33	-	-	-	-33	-3	-	3	
Finished Motor Gasoline .....	2,437	17,389	14,065	361	849	35,101	4,835	3,016	55,713	
Reformulated .....	-	-	-	-	-	-	-	-	562	
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	562	
Reformulated Other .....	-	-	-	-	-	-	-	-	-	
Conventional .....	2,437	17,389	14,065	361	849	35,101	4,835	2,454	54,496	
Conventional Blended with Fuel Ethanol .....	2,203	448	1,714	294	560	5,219	2,902	338	13,537	
Ed55 and Lower .....	2,199	448	1,714	294	560	5,215	2,902	338	13,533	
Greater than Ed55 .....	4	-	-	-	-	4	-	-	4	
Conventional Other .....	234	16,941	12,351	67	289	29,882	1,933	2,116	40,959	
Finished Aviation Gasoline .....	45	102	108	-	-	255	3	-	289	
Kerosene-Type Jet Fuel .....	1,414	14,559	12,450	97	-	28,520	892	14,303	54,913	
Kerosene .....	-26	-1	72	48	-	93	-	0	538	
Distillate Fuel Oil .....	5,916	42,355	37,156	2,494	1,602	89,523	6,645	18,179	161,654	
15 ppm sulfur and under .....	5,940	39,883	30,184	2,345	1,602	79,954	6,644	17,470	149,490	
Greater than 15 ppm to 500 ppm sulfur .....	-24	229	3,392	100	-	3,697	34	323	4,171	
Greater than 500 ppm sulfur .....	-	2,243	3,580	49	-	5,872	-33	386	7,993	
Residual Fuel Oil .....	381	1,353	3,422	-9	80	5,227	394	3,845	12,296	
Less than 0.31 percent sulfur .....	263	30	1,012	-	-	1,305	209	-	2,017	
0.31 to 1.00 percent sulfur .....	-	61	488	-9	-	540	25	843	1,897	
Greater than 1.00 percent sulfur .....	118	1,262	1,922	-	80	3,382	160	3,002	8,382	
Petrochemical Feedstocks .....	126	5,157	3,089	-	-	8,372	-	3	9,410	
Naphtha for Petro. Feed. Use .....	113	3,369	1,702	-	-	5,184	-	3	5,892	
Other Oils for Petro. Feed. Use .....	13	1,788	1,387	-	-	3,188	-	-	3,518	
Special Naphthas .....	88	636	-	185	-	909	-	30	1,022	
Lubricants .....	24	1,480	1,616	865	-	3,985	-	526	4,953	
Waxes .....	-	44	42	18	-	104	-	-	127	
Petroleum Coke .....	327	8,523	5,735	162	38	14,785	738	4,605	26,971	
Marketable .....	147	6,583	4,411	150	-	11,291	527	3,561	20,071	
Catalyst .....	180	1,940	1,324	12	38	3,494	211	1,044	6,900	
Asphalt and Road Oil .....	324	307	647	866	72	2,216	1,287	657	9,194	
Still Gas .....	519	5,532	4,218	200	86	10,555	663	3,549	20,557	
Miscellaneous Products .....	116	1,033	590	19	44	1,802	82	431	2,899	
<b>Total .....</b>	<b>12,267</b>	<b>102,944</b>	<b>88,029</b>	<b>5,291</b>	<b>2,767</b>	<b>211,298</b>	<b>15,575</b>	<b>49,330</b>	<b>372,144</b>	
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-671	-10,293	-7,237	21	-214	-18,394	-854	-6,276	-34,413	

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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, January 2019**  
(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
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,080</b>	-	<b>1,080</b>	<b>99</b>	<b>45</b>	<b>308</b>	<b>452</b>
Natural Gas Liquids .....	1,080	-	1,080	99	45	308	452
Normal Butane .....	835	-	835	99	33	240	372
Isobutane .....	-	-	-	-	-	-	-
Natural Gasoline .....	245	-	245	-	12	68	80
<b>Other Liquids</b> .....	<b>87,630</b>	<b>5,650</b>	<b>93,280</b>	<b>42,557</b>	<b>8,294</b>	<b>12,531</b>	<b>63,382</b>
Oxygenates/Renewables .....	9,623	599	10,222	4,570	949	1,371	6,890
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	9,623	599	10,222	4,570	949	1,371	6,890
Fuel Ethanol .....	9,153	565	9,718	4,429	922	1,337	6,688
Renewable Diesel Fuel <sup>2</sup> .....	470	34	504	141	27	34	202
Other Renewable Fuels .....	-	-	-	-	-	-	-
Unfinished Oils (net) .....	-	-	-	69	-	-	69
Naphthas and Lighter .....	-	-	-	-	-	-	-
Kerosene and Light Gas Oils .....	-	-	-	-	-	-	-
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	69	-	-	69
Motor Gasoline Blend.Comp. (MGBC)(net) .....	78,007	5,051	83,058	37,918	7,345	11,160	56,423
Reformulated - RBOB .....	24,682	103	24,785	6,660	1,353	1,045	9,058
Conventional .....	53,325	4,948	58,273	31,258	5,992	10,115	47,365
CBOB .....	46,865	4,948	51,813	31,240	5,992	10,115	47,347
GTAB .....	1,206	-	1,206	-	-	-	-
Other .....	5,254	-	5,254	18	-	-	18
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>88,710</b>	<b>5,650</b>	<b>94,360</b>	<b>42,656</b>	<b>8,339</b>	<b>12,839</b>	<b>63,834</b>

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			
<b>Hydrocarbon Gas Liquids</b> .....	<b>27</b>	<b>936</b>	<b>227</b>	<b>33</b>	-	<b>1,223</b>	<b>134</b>	<b>31</b>	<b>2,920</b>
Natural Gas Liquids .....	27	936	227	33	-	1,223	134	31	2,920
Normal Butane .....	17	367	227	33	-	644	70	31	1,952
Isobutane .....	-	-	-	-	-	-	5	-	5
Natural Gasoline .....	10	569	-	-	-	579	59	-	963
<b>Other Liquids</b> .....	<b>16,868</b>	<b>10,130</b>	<b>2,906</b>	<b>8,407</b>	<b>1,098</b>	<b>39,409</b>	<b>4,372</b>	<b>43,971</b>	<b>244,414</b>
Oxygenates/Renewables .....	1,790	801	299	966	127	3,983	601	4,825	26,521
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	1,790	801	299	966	127	3,983	601	4,825	26,521
Fuel Ethanol .....	1,737	756	299	920	110	3,822	588	4,534	25,350
Renewable Diesel Fuel <sup>2</sup> .....	53	45	-	46	17	161	13	284	1,164
Other Renewable Fuels .....	-	-	-	-	-	-	-	7	7
Unfinished Oils (net) .....	-	-144	158	-	-	14	-	-	83
Naphthas and Lighter .....	-	-	-	-	-	-	-	-	-
Kerosene and Light Gas Oils .....	-	-144	28	-	-	-116	-	-	-116
Heavy Gas Oils .....	-	-	130	-	-	130	-	-	130
Residuum .....	-	-	-	-	-	-	-	-	69
Motor Gasoline Blend.Comp. (MGBC)(net) .....	15,078	9,473	2,449	7,441	971	35,412	3,771	39,146	217,810
Reformulated - RBOB .....	6,576	4,540	-	-	-	11,116	-	28,976	73,935
Conventional .....	8,502	4,933	2,449	7,441	971	24,296	3,771	10,170	143,875
CBOB .....	8,502	-1,046	1,201	7,441	967	17,065	3,769	10,165	130,159
GTAB .....	-	-	-	-	-	-	-	-	1,206
Other .....	-	5,979	1,248	-	4	7,231	2	5	12,510
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>16,895</b>	<b>11,066</b>	<b>3,133</b>	<b>8,440</b>	<b>1,098</b>	<b>40,632</b>	<b>4,506</b>	<b>44,002</b>	<b>247,334</b>

- = No Data Reported.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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, January 2019**  
(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 .....	88,233	5,622	93,855	42,434	8,314	12,806	63,554
Reformulated .....	37,751	120	37,871	7,849	1,503	1,161	10,513
Reformulated Blended with Fuel Ethanol .....	37,751	120	37,871	7,849	1,503	1,161	10,513
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	50,482	5,502	55,984	34,585	6,811	11,645	53,041
Conventional Blended with Fuel Ethanol .....	52,945	5,511	58,456	35,897	7,470	11,888	55,255
Ed55 and Lower .....	52,893	5,511	58,404	35,891	7,449	11,837	55,177
Greater than Ed55 .....	52	-	52	6	21	51	78
Conventional Other .....	-2,463	-9	-2,472	-1,312	-659	-243	-2,214
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-	0	-8	-	0	-8
Kerosene .....	0	-	0	-3	-	-	-3
Distillate Fuel Oil .....	546	28	574	154	26	35	215
15 ppm sulfur and under .....	503	28	531	154	26	35	215
Greater than 15 ppm to 500 ppm sulfur .....	104	-	104	-	-	101	101
Greater than 500 ppm sulfur .....	-61	-	-61	-	-	-101	-101
Residual Fuel Oil .....	-76	-	-76	-	-	-	-
Less than 0.31 percent sulfur .....	-78	-	-78	-	-	-	-
0.31 to 1.00 percent sulfur .....	2	-	2	-	-	-	-
Greater than 1.00 percent sulfur .....	0	-	0	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	69	-	-	69
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>88,703</b>	<b>5,650</b>	<b>94,353</b>	<b>42,646</b>	<b>8,340</b>	<b>12,841</b>	<b>63,827</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	7	0	7	10	-1	-2	7

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 .....	16,842	11,164	2,975	8,389	1,081	40,451	4,498	43,711	246,069
Reformulated .....	7,313	6,313	-	-	-	13,626	-	32,219	94,229
Reformulated Blended with Fuel Ethanol .....	7,313	6,313	-	-	-	13,626	-	32,219	94,229
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	9,529	4,851	2,975	8,389	1,081	26,825	4,498	11,492	151,840
Conventional Blended with Fuel Ethanol .....	9,773	1,126	2,964	9,118	1,114	24,095	5,890	12,933	156,629
Ed55 and Lower .....	9,760	1,126	2,964	9,106	1,114	24,070	5,880	12,931	156,462
Greater than Ed55 .....	13	-	-	12	-	25	10	2	167
Conventional Other .....	-244	3,725	11	-729	-33	2,730	-1,392	-1,441	-4,789
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-1	8	-	1	8	51	-62	-11
Kerosene .....	-	-	3	-	-	3	-	-8	-8
Distillate Fuel Oil .....	54	-29	-26	46	16	61	-38	352	1,164
15 ppm sulfur and under .....	54	43	-11	46	16	148	-38	328	1,184
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-	-	-	205
Greater than 500 ppm sulfur .....	-	-72	-15	-	-	-87	-	24	-225
Residual Fuel Oil .....	-	-68	173	-	-	105	-	4	33
Less than 0.31 percent sulfur .....	-	86	-4	-	-	82	-	4	8
0.31 to 1.00 percent sulfur .....	-	8	17	-	-	25	-	-	27
Greater than 1.00 percent sulfur .....	-	-162	160	-	-	-2	-	-	-2
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	-	-	-	-	-	69
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>16,896</b>	<b>11,066</b>	<b>3,133</b>	<b>8,435</b>	<b>1,098</b>	<b>40,628</b>	<b>4,511</b>	<b>43,997</b>	<b>247,316</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1	0	0	5	0	4	-5	5	18

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

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, January 2019**  
(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
<b>Crude Oil</b>	<b>10,288</b>	<b>684</b>	<b>10,972</b>	<b>9,455</b>	<b>2,190</b>	<b>1,936</b>	<b>13,581</b>
<b>Petroleum Products</b>	<b>15,127</b>	<b>2,484</b>	<b>17,611</b>	<b>28,617</b>	<b>8,771</b>	<b>11,864</b>	<b>49,252</b>
Hydrocarbon Gas Liquids	838	29	867	1,941	384	1,149	3,474
Natural Gas Liquids	567	29	596	1,709	348	1,044	3,101
Ethane	—	—	—	—	—	—	—
Propane	77	2	79	298	44	361	703
Normal Butane	382	14	396	964	276	152	1,392
Isobutane	108	13	121	351	28	103	482
Natural Gasoline	—	—	—	96	—	428	524
Refinery Olefins	271	0	271	232	36	105	373
Ethylene	—	—	—	—	—	—	—
Propylene	101	0	101	231	36	13	280
Normal Butylene	130	0	130	1	0	7	8
Isobutylene	40	0	40	0	0	85	85
Oxygenates/Renewable Fuels/Other Hydrocarbons	158	105	263	75	36	29	140
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	158	105	263	55	36	29	120
Fuel Ethanol	158	100	258	29	30	26	85
Renewable Diesel Fuel <sup>2</sup>	—	5	5	26	6	3	35
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	20	—	—	20
Unfinished Oils	4,722	490	5,212	8,236	671	3,701	12,608
Naphthas and Lighter	993	364	1,357	2,016	201	980	3,197
Kerosene and Light Gas Oils	707	—	707	1,750	216	360	2,326
Heavy Gas Oils	1,925	117	2,042	2,882	250	1,628	4,760
Residuum	1,097	9	1,106	1,588	4	733	2,325
Motor Gasoline Blending Components (MGBC)	5,058	314	5,372	8,385	2,777	3,876	15,038
Reformulated - RBOB	1,568	—	1,568	772	132	—	904
Conventional	3,490	314	3,804	7,613	2,645	3,876	14,134
CBOB	532	280	812	2,989	1,383	2,646	7,018
GTAB	—	—	—	—	—	—	—
Other	2,958	34	2,992	4,624	1,262	1,230	7,116
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	49	49	1,036	105	421	1,562
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	49	49	1,036	105	421	1,562
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	49	49	1,036	105	421	1,562
Finished Aviation Gasoline	—	—	—	—	60	—	60
Kerosene-Type Jet Fuel	576	—	576	1,182	266	254	1,702
Kerosene	157	1	158	136	—	32	168
Distillate Fuel Oil	2,376	239	2,615	3,513	1,460	1,665	6,638
15 ppm sulfur and under	2,028	102	2,130	3,273	1,302	1,486	6,061
Greater than 15 ppm to 500 ppm sulfur	36	119	155	—	9	79	88
Greater than 500 ppm sulfur	312	18	330	240	149	100	489
Residual Fuel Oil	530	14	544	819	162	35	1,016
Less than 0.31 percent sulfur	93	12	105	53	—	—	53
0.31 to 1.00 percent sulfur	91	2	93	87	19	—	106
Greater than 1.00 percent sulfur	346	—	346	679	143	35	857
Petrochemical Feedstocks	90	—	90	542	—	—	542
Naphtha for Petro. Feed. Use	90	—	90	441	—	—	441
Other Oils for Petro. Feed. Use	—	—	—	101	—	—	101
Special Naphthas	—	23	23	50	—	25	75
Lubricants	522	264	786	—	—	195	195
Waxes	—	384	384	—	—	24	24
Petroleum Coke	—	—	—	470	853	103	1,426
Marketable	—	—	—	470	853	103	1,426
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	89	554	643	2,151	1,972	349	4,472
Miscellaneous Products	11	18	29	81	25	6	112
<b>Total Stocks, All Oils</b>	<b>25,415</b>	<b>3,168</b>	<b>28,583</b>	<b>38,072</b>	<b>10,961</b>	<b>13,800</b>	<b>62,833</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2019**  
(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			
<b>Crude Oil</b>	<b>1,681</b>	<b>28,743</b>	<b>17,855</b>	<b>1,214</b>	<b>381</b>	<b>49,874</b>	<b>2,290</b>	<b>21,060</b>	<b>97,777</b>
<b>Petroleum Products</b>	<b>9,521</b>	<b>58,634</b>	<b>50,299</b>	<b>3,984</b>	<b>1,408</b>	<b>123,846</b>	<b>11,816</b>	<b>51,862</b>	<b>254,387</b>
Hydrocarbon Gas Liquids	1,835	2,064	4,449	15	25	8,388	363	1,249	14,341
Natural Gas Liquids	1,235	1,845	3,082	14	25	6,201	289	1,226	11,413
Ethane	221	—	—	—	—	221	—	—	221
Propane	280	488	209	3	3	983	51	87	1,903
Normal Butane	313	1,123	1,605	8	5	3,054	123	801	5,766
Isobutane	340	201	855	3	6	1,405	108	335	2,451
Natural Gasoline	81	33	413	—	11	538	7	3	1,072
Refinery Olefins	600	219	1,367	1	0	2,187	74	23	2,928
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	599	47	361	1	0	1,008	1	12	1,402
Normal Butylene	1	172	1,006	0	0	1,179	67	11	1,395
Isobutylene	0	0	0	0	0	0	6	0	131
Oxygenates/Renewable Fuels/Other Hydrocarbons	42	66	289	81	14	492	261	410	1,566
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	42	66	289	81	14	492	261	410	1,546
Fuel Ethanol	35	35	90	41	12	213	132	33	721
Renewable Diesel Fuel <sup>2</sup>	7	31	199	40	2	279	129	377	825
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	20
Unfinished Oils	2,854	21,558	15,552	896	640	41,500	3,606	18,304	81,230
Naphthas and Lighter	841	6,263	2,231	212	250	9,797	621	3,218	18,190
Kerosene and Light Gas Oils	433	3,401	2,174	198	167	6,373	588	3,197	13,191
Heavy Gas Oils	1,199	9,743	8,808	412	223	20,385	1,864	9,425	38,476
Residuum	381	2,151	2,339	74	—	4,945	533	2,464	11,373
Motor Gasoline Blending Components (MGBC)	2,903	11,742	12,336	319	370	27,670	3,374	15,220	66,674
Reformulated - RBOB	220	1,024	208	—	—	1,452	—	6,001	9,925
Conventional	2,683	10,718	12,128	319	370	26,218	3,374	9,219	56,749
CBOB	1,243	3,411	6,311	219	91	11,275	1,918	2,271	23,294
GTAB	—	—	1	—	—	1	—	—	1
Other	1,440	7,307	5,816	100	279	14,942	1,456	6,948	33,454
Aviation Gasoline Blending Components	24	—	16	—	—	40	—	—	40
Finished Motor Gasoline	94	2,332	1,582	33	—	4,041	740	723	7,115
Reformulated	—	—	—	—	—	—	—	15	15
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	15	15
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	94	2,332	1,582	33	—	4,041	740	708	7,100
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	63	—	63
Ed55 and Lower	—	—	—	—	—	—	63	—	63
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	94	2,332	1,582	33	—	4,041	677	708	7,037
Finished Aviation Gasoline	15	186	129	—	—	330	7	115	512
Kerosene-Type Jet Fuel	359	3,343	2,567	39	—	6,308	307	4,102	12,995
Kerosene	18	6	120	4	—	148	1	1	476
Distillate Fuel Oil	629	5,824	6,594	366	123	13,536	1,825	5,864	30,478
15 ppm sulfur and under	613	5,017	4,976	231	123	10,960	1,647	5,223	26,021
Greater than 15 ppm to 500 ppm sulfur	16	129	518	16	—	679	126	240	1,288
Greater than 500 ppm sulfur	—	678	1,100	119	—	1,897	52	401	3,169
Residual Fuel Oil	81	2,111	1,629	36	103	3,960	245	2,342	8,107
Less than 0.31 percent sulfur	10	—	227	—	—	237	29	—	424
0.31 to 1.00 percent sulfur	—	197	83	36	—	316	4	317	836
Greater than 1.00 percent sulfur	71	1,914	1,319	—	103	3,407	212	2,025	6,847
Petrochemical Feedstocks	103	1,831	712	22	—	2,668	—	6	3,306
Naphtha for Petro. Feed. Use	26	1,097	651	22	—	1,796	—	6	2,333
Other Oils for Petro. Feed. Use	77	734	61	—	—	872	—	—	973
Special Naphthas	118	892	—	132	—	1,142	—	49	1,289
Lubricants	41	2,807	2,507	905	—	6,260	—	992	8,233
Waxes	—	86	132	57	—	275	—	—	683
Petroleum Coke	10	3,408	1,115	—	—	4,533	166	1,455	7,580
Marketable	10	3,408	1,115	—	—	4,533	166	1,455	7,580
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	383	141	466	1,078	103	2,171	902	952	9,140
Miscellaneous Products	12	237	104	1	30	384	19	78	622
<b>Total Stocks, All Oils</b>	<b>11,202</b>	<b>87,377</b>	<b>68,154</b>	<b>5,198</b>	<b>1,789</b>	<b>173,720</b>	<b>14,106</b>	<b>72,922</b>	<b>352,164</b>

— = No Data Reported.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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, January 2019**

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
Hydrocarbon Gas Liquids .....	2.3	-1.8	1.9	1.6	-1.2	-0.7	0.7
Finished Motor Gasoline <sup>1</sup> .....	48.0	39.5	47.3	54.0	51.3	53.6	53.5
Finished Aviation Gasoline <sup>2</sup> .....	-	-	-	-	0.2	-	0.0
Kerosene-Type Jet Fuel .....	10.3	-	9.4	8.3	4.6	3.3	6.6
Kerosene .....	0.4	0.1	0.4	0.4	-	0.0	0.3
Distillate Fuel Oil <sup>3</sup> .....	30.6	26.9	30.2	26.6	33.7	39.3	30.5
Residual Fuel Oil .....	4.4	0.1	4.0	1.7	0.6	0.3	1.2
Naphtha for Petro. Feed. Use .....	0.2	-	0.2	0.8	-	-	0.5
Other Oils for Petro. Feed. Use .....	-	-	-	0.4	-	0.1	0.3
Special Naphthas .....	-	0.6	0.1	0.1	-	0.1	0.1
Lubricants .....	0.6	6.8	1.1	-	-	0.2	0.1
Waxes .....	-	0.4	0.0	-	-	0.0	0.0
Petroleum Coke .....	3.5	0.7	3.2	5.2	5.2	3.4	4.8
Asphalt and Road Oil .....	0.6	22.3	2.5	3.3	8.9	0.7	3.5
Still Gas .....	4.3	1.9	4.1	3.5	4.1	3.8	3.7
Miscellaneous Products .....	0.2	0.8	0.3	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-5.2	1.5	-4.6	-6.2	-8.0	-4.5	-6.0

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			
Hydrocarbon Gas Liquids .....	3.0	3.3	4.2	-0.2	-0.1	3.5	0.2	0.2	2.2
Finished Motor Gasoline <sup>1</sup> .....	52.3	44.1	42.6	27.5	56.2	43.8	48.6	48.5	47.1
Finished Aviation Gasoline <sup>2</sup> .....	0.2	0.1	0.1	-	-	0.1	0.0	-	0.1
Kerosene-Type Jet Fuel .....	7.4	10.8	10.7	1.4	-	10.2	4.7	18.5	10.3
Kerosene .....	-0.1	0.0	0.1	0.7	-	0.0	-	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	30.7	31.4	31.9	36.4	41.2	31.8	34.5	23.2	30.3
Residual Fuel Oil .....	2.0	1.0	3.0	-0.1	2.1	1.9	2.1	5.0	2.3
Naphtha for Petro. Feed. Use .....	0.6	2.5	1.5	-	-	1.9	-	0.0	1.1
Other Oils for Petro. Feed. Use .....	0.1	1.3	1.2	-	-	1.1	-	-	0.7
Special Naphthas .....	0.5	0.5	-	2.7	-	0.3	-	0.0	0.2
Lubricants .....	0.1	1.1	1.4	12.7	-	1.4	-	0.7	0.9
Waxes .....	-	0.0	0.0	0.3	-	0.0	-	-	0.0
Petroleum Coke .....	1.7	6.3	4.9	2.4	1.0	5.3	3.9	6.0	5.1
Asphalt and Road Oil .....	1.7	0.2	0.6	12.7	1.9	0.8	6.7	0.9	1.7
Still Gas .....	2.7	4.1	3.6	2.9	2.2	3.8	3.5	4.6	3.9
Miscellaneous Products .....	0.6	0.8	0.5	0.0	1.0	0.6	0.4	0.6	0.6
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-3.5	-7.7	-6.2	0.4	-5.5	-6.6	-4.5	-8.1	-6.5

- = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

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

<sup>4</sup> Represents the arithmetic difference between input and production.

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, January 2019**  
(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
<b>PAD District 1</b> .....	<b>130</b>	<b>299</b>	<b>2,577</b>	<b>3,006</b>
Connecticut .....	-	-	-	-
Delaware .....	-	-	-	-
Florida .....	-	-	664	664
Georgia .....	-	-	75	75
Maine .....	-	-	-	-
Maryland .....	-	-	-	-
Massachusetts .....	-	-	-	-
New Hampshire .....	-	-	-	-
New Jersey .....	130	297	1,587	2,014
New York .....	-	-	146	146
North Carolina .....	-	-	-	-
Pennsylvania .....	-	-	105	105
Rhode Island .....	-	-	-	-
South Carolina .....	-	-	-	-
Vermont .....	-	2	-	2
Virginia .....	-	-	-	-
West Virginia .....	-	-	-	-
<b>PAD District 2</b> .....	<b>-</b>	<b>33</b>	<b>69</b>	<b>102</b>
Illinois .....	-	-	-	-
Indiana .....	-	-	-	-
Michigan .....	-	-	69	69
Minnesota .....	-	28	-	28
North Dakota .....	-	5	-	5
Ohio .....	-	-	-	-
Wisconsin .....	-	-	-	-
<b>PAD District 3</b> .....	<b>-</b>	<b>-</b>	<b>1,362</b>	<b>1,362</b>
Alabama .....	-	-	-	-
Louisiana .....	-	-	225	225
Mississippi .....	-	-	-	-
New Mexico .....	-	-	-	-
Texas .....	-	-	1,137	1,137
<b>PAD District 4</b> .....	<b>-</b>	<b>-</b>	<b>97</b>	<b>97</b>
Idaho .....	-	-	-	-
Montana .....	-	-	97	97
<b>PAD District 5</b> .....	<b>338</b>	<b>207</b>	<b>700</b>	<b>1,245</b>
Alaska .....	-	-	-	-
California .....	338	-	656	994
Hawaii .....	-	-	-	-
Oregon .....	-	-	44	44
Washington .....	-	207	-	207
<b>U.S. Total</b> .....	<b>468</b>	<b>539</b>	<b>4,805</b>	<b>5,812</b>

- = 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, January 2019**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b> .....	<b>26,060</b>	<b>81,313</b>	<b>74,411</b>	<b>9,429</b>	<b>41,913</b>	<b>233,126</b>	<b>7,520</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,374</b>	<b>3,718</b>	<b>—</b>	<b>781</b>	<b>2,118</b>	<b>8,991</b>	<b>290</b>
Natural Gas Liquids .....	2,160	3,415	—	781	2,118	8,474	273
Ethane .....	—	—	—	—	—	—	—
Propane .....	1,946	2,704	—	596	1,172	6,418	207
Normal Butane .....	91	453	—	159	799	1,502	48
Isobutane .....	123	254	—	26	147	550	18
Natural Gasoline .....	—	4	—	—	—	4	0
Refinery Olefins .....	214	303	—	—	—	517	17
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	214	266	—	—	—	480	15
Normal Butylene .....	—	37	—	—	—	37	1
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>16,402</b>	<b>769</b>	<b>15,269</b>	<b>58</b>	<b>2,481</b>	<b>34,979</b>	<b>1,128</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	164	95	87	1	591	938	30
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	87	—	—	87	3
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	43	—	—	43	1
Other Oxygenates <sup>3</sup> .....	—	—	44	—	—	44	1
Renewable Fuels (including Fuel Ethanol) .....	164	95	—	1	591	851	27
Fuel Ethanol .....	—	—	—	—	—	—	—
Biodiesel .....	164	95	—	1	48	308	10
Other Renewable Diesel Fuel .....	—	—	—	—	543	543	18
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils <sup>1</sup> .....	1,689	70	14,813	—	1,307	17,879	577
Naphthas and Lighter .....	475	—	—	—	—	475	15
Kerosene and Lighter Gas Oils .....	—	—	—	—	—	—	—
Heavy Gas Oils .....	1,214	70	11,943	—	1,307	14,534	469
Residuum .....	—	—	2,870	—	—	2,870	93
Motor Gasoline Blend.Comp. (MGBC) .....	14,549	604	369	57	583	16,162	521
Reformulated - RBOB .....	5,658	—	—	—	—	5,658	183
Conventional .....	8,891	604	369	57	583	10,504	339
CBOB .....	537	189	—	—	—	726	23
GTAB .....	1,494	—	—	—	305	1,799	58
Other .....	6,860	415	369	57	278	7,979	257
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>15,003</b>	<b>988</b>	<b>3,520</b>	<b>156</b>	<b>3,706</b>	<b>23,373</b>	<b>754</b>
Finished Motor Gasoline .....	1,043	—	—	—	364	1,407	45
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	1,043	—	—	—	364	1,407	45
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	1,043	—	—	—	364	1,407	45
Finished Aviation Gasoline .....	19	2	43	—	—	64	2
Kerosene-Type Jet Fuel .....	1,344	—	30	—	1,732	3,106	100
Bonded Aircraft Fuel .....	429	—	—	—	785	1,214	39
Other .....	915	—	30	—	947	1,892	61
Kerosene .....	—	—	—	—	—	—	—
Distillate Fuel Oil .....	8,755	332	319	30	121	9,557	308
15 ppm sulfur and under .....	8,414	245	319	30	121	9,129	294
Bonded .....	—	—	—	—	—	—	—
Other .....	8,414	245	319	30	121	9,129	294
Greater than 15 ppm to 500 ppm sulfur .....	320	—	—	—	—	320	10
Bonded .....	—	—	—	—	—	—	—
Other .....	320	—	—	—	—	320	10
Greater than 500 ppm to 2000 ppm sulfur .....	21	75	—	—	—	96	3
Bonded .....	—	—	—	—	—	—	—
Other .....	21	75	—	—	—	96	3
Greater than 2000 ppm .....	—	12	—	—	—	12	0
Bonded .....	—	—	—	—	—	—	—
Other .....	—	12	—	—	—	12	0
Residual Fuel Oil .....	3,006	102	1,362	97	1,245	5,812	187
Less than 0.31 percent sulfur .....	130	—	—	—	338	468	15
0.31 to 1.00 percent sulfur .....	299	33	—	—	207	539	17
Greater than 1.00 percent sulfur .....	2,577	69	1,362	97	700	4,805	155
Petrochemical Feedstocks .....	1	159	283	—	38	481	16
Naphtha for Petro. Feed. Use .....	—	83	230	—	38	351	11
Other Oils for Petro. Feed. Use .....	1	76	53	—	—	130	4
Special Naphthas .....	—	5	150	—	—	155	5
Lubricants .....	146	117	1,169	—	6	1,438	46
Waxes .....	73	3	22	—	72	170	5
Petroleum Coke (Marketable) .....	6	31	142	—	23	202	7
Asphalt and Road Oil .....	610	237	—	28	105	980	32
Miscellaneous Products .....	—	—	—	1	—	1	0
<b>Total</b> .....	<b>59,839</b>	<b>86,788</b>	<b>93,200</b>	<b>10,424</b>	<b>50,218</b>	<b>300,469</b>	<b>9,693</b>

— = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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-January 2019**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b> .....	<b>26,060</b>	<b>81,313</b>	<b>74,411</b>	<b>9,429</b>	<b>41,913</b>	<b>233,126</b>	<b>7,520</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,374</b>	<b>3,718</b>	<b>-</b>	<b>781</b>	<b>2,118</b>	<b>8,991</b>	<b>290</b>
Natural Gas Liquids .....	2,160	3,415	-	781	2,118	8,474	273
Ethane .....	-	-	-	-	-	-	-
Propane .....	1,946	2,704	-	596	1,172	6,418	207
Normal Butane .....	91	453	-	159	799	1,502	48
Isobutane .....	123	254	-	26	147	550	18
Natural Gasoline .....	-	4	-	-	-	4	0
Refinery Olefins .....	214	303	-	-	-	517	17
Ethylene .....	-	-	-	-	-	-	-
Propylene .....	214	266	-	-	-	480	15
Normal Butylene .....	-	37	-	-	-	37	1
Isobutylene .....	-	-	-	-	-	-	-
<b>Other Liquids</b> .....	<b>16,402</b>	<b>769</b>	<b>15,269</b>	<b>58</b>	<b>2,481</b>	<b>34,979</b>	<b>1,128</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons ....	164	95	87	1	591	938	30
Hydrogen .....	-	-	-	-	-	-	-
Oxygenates (excluding Fuel Ethanol) .....	-	-	87	-	-	87	3
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	43	-	-	43	1
Other Oxygenates <sup>3</sup> .....	-	-	44	-	-	44	1
Renewable Fuels (including Fuel Ethanol) .....	164	95	-	1	591	851	27
Fuel Ethanol .....	-	-	-	-	-	-	-
Biodiesel .....	164	95	-	1	48	308	10
Other Renewable Diesel Fuel .....	-	-	-	-	543	543	18
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils <sup>1</sup> .....	1,689	70	14,813	-	1,307	17,879	577
Naphthas and Lighter .....	475	-	-	-	-	475	15
Kerosene and Lighter Gas Oils .....	-	-	-	-	-	-	-
Heavy Gas Oils .....	1,214	70	11,943	-	1,307	14,534	469
Residuum .....	-	-	2,870	-	-	2,870	93
Motor Gasoline Blend Comp. (MGBC) .....	14,549	604	369	57	583	16,162	521
Reformulated - RBOB .....	5,658	-	-	-	-	5,658	183
Conventional .....	8,891	604	369	57	583	10,504	339
CBOB .....	537	189	-	-	-	726	23
GTAB .....	1,494	-	-	-	305	1,799	58
Other .....	6,860	415	369	57	278	7,979	257
Aviation Gasoline Blend Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>15,003</b>	<b>988</b>	<b>3,520</b>	<b>156</b>	<b>3,706</b>	<b>23,373</b>	<b>754</b>
Finished Motor Gasoline .....	1,043	-	-	-	364	1,407	45
Reformulated .....	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	1,043	-	-	-	364	1,407	45
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	1,043	-	-	-	364	1,407	45
Finished Aviation Gasoline .....	19	2	43	-	-	64	2
Kerosene-Type Jet Fuel .....	1,344	-	30	-	1,732	3,106	100
Bonded Aircraft Fuel .....	429	-	-	-	785	1,214	39
Other .....	915	-	30	-	947	1,892	61
Kerosene .....	-	-	-	-	-	-	-
Distillate Fuel Oil .....	8,755	332	319	30	121	9,557	308
15 ppm sulfur and under .....	8,414	245	319	30	121	9,129	294
Bonded .....	-	-	-	-	-	-	-
Other .....	8,414	245	319	30	121	9,129	294
Greater than 15 ppm to 500 ppm sulfur .....	320	-	-	-	-	320	10
Bonded .....	-	-	-	-	-	-	-
Other .....	320	-	-	-	-	320	10
Greater than 500 ppm to 2000 ppm sulfur .....	21	75	-	-	-	96	3
Bonded .....	-	-	-	-	-	-	-
Other .....	21	75	-	-	-	96	3
Greater than 2000 ppm .....	-	12	-	-	-	12	0
Bonded .....	-	-	-	-	-	-	-
Other .....	-	12	-	-	-	12	0
Residual Fuel Oil .....	3,006	102	1,362	97	1,245	5,812	187
Less than 0.31 percent sulfur .....	130	-	-	-	338	468	15
0.31 to 1.00 percent sulfur .....	299	33	-	-	207	539	17
Greater than 1.00 percent sulfur .....	2,577	69	1,362	97	700	4,805	155
Petrochemical Feedstocks .....	1	159	283	-	38	481	16
Naphtha for Petro. Feed. Use .....	-	83	230	-	38	351	11
Other Oils for Petro. Feed. Use .....	1	76	53	-	-	130	4
Special Naphthas .....	-	5	150	-	-	155	5
Lubricants .....	146	117	1,169	-	6	1,438	46
Waxes .....	73	3	22	-	72	170	5
Petroleum Coke (Marketable) .....	6	31	142	-	23	202	7
Asphalt and Road Oil .....	610	237	-	28	105	980	32
Miscellaneous Products .....	-	-	-	1	-	1	0
<b>Total</b> .....	<b>59,839</b>	<b>86,788</b>	<b>93,200</b>	<b>10,424</b>	<b>50,218</b>	<b>300,469</b>	<b>9,693</b>

- = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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, January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>70,498</b>	—	—	<b>3,698</b>	—	—	—	—	<b>1,548</b>	<b>1,548</b>
Algeria .....	636	—	—	2,400	—	—	—	—	—	—
Angola .....	248	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	1,801	—	—	—	—	—	—	—	—	—
Ecuador .....	7,370	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	653	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	13,274	—	—	—	—	—	—	—	—	—
Kuwait .....	563	—	—	—	—	—	—	—	—	—
Libya .....	1,645	—	—	205	—	—	—	—	—	—
Nigeria .....	4,866	—	—	166	—	—	—	—	457	457
Saudi Arabia .....	22,039	—	—	237	—	—	—	—	359	359
United Arab Emirates .....	—	—	—	645	—	—	—	—	—	—
Venezuela .....	17,403	—	—	45	—	—	—	—	732	732
<b>Non-OPEC</b> .....	<b>162,628</b>	<b>8,474</b>	<b>517</b>	<b>14,181</b>	—	<b>1,407</b>	<b>1,407</b>	<b>5,658</b>	<b>8,956</b>	<b>14,614</b>
Argentina .....	<b>2,033</b>	<b>49</b>	—	—	—	—	—	—	<b>299</b>	<b>299</b>
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	2,178	—	—	—	—	—	—
Brazil .....	2,010	—	—	188	—	—	—	—	2,091	2,091
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	122,748	7,995	517	321	—	578	578	2,849	1,597	4,446
Chad .....	477	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	10,976	—	—	—	—	—	—	—	211	211
Denmark .....	—	—	—	—	—	—	—	—	—	—
Egypt .....	248	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	354	354
France .....	—	—	—	106	—	304	304	—	596	596
Germany .....	—	—	—	405	—	—	—	—	35	35
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	167	—	—	—	—	5	5
Indonesia .....	—	—	—	—	—	—	—	—	513	513
Italy .....	—	—	—	220	—	—	—	—	312	312
Korea, South .....	—	—	—	—	—	342	342	—	158	158
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	163	—	—	—	—	—	—
Mexico .....	16,937	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	927	—	—	—	1,530	30	1,560
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	1,299	47	—	1,392	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	840	840
Qatar .....	—	—	—	—	—	—	—	—	—	—
Russia .....	3,274	—	—	5,696	—	—	—	—	316	316
Spain .....	—	—	—	30	—	—	—	—	450	450
Sweden .....	—	191	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	846	—	—	—	—	—	—	—	—	—
United Kingdom .....	1,030	192	—	574	—	183	183	1,279	427	1,706
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	750	0	0	1,814	—	0	0	0	722	722
<b>Total</b> .....	<b>233,126</b>	<b>8,474</b>	<b>517</b>	<b>17,879</b>	—	<b>1,407</b>	<b>1,407</b>	<b>5,658</b>	<b>10,504</b>	<b>16,162</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>35,876</b>	—	—	<b>882</b>	—	—	—	—	<b>359</b>	<b>359</b>

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	—	—	—	—	—	—	1,176	—	—	—	1,176
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	109	—	—	—	109
Saudi Arabia .....	—	—	—	—	—	—	693	—	—	—	693
United Arab Emirates .....	—	—	—	—	—	—	80	—	—	—	80
Venezuela .....	—	—	—	—	—	—	294	—	—	—	294
<b>Non-OPEC</b> .....	43	44	—	308	543	—	7,953	320	96	12	8,381
Argentina .....	43	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	501	—	—	—	501
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	44	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	136	—	—	3,061	44	96	12	3,213
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	567	—	—	—	567
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	61	—	—	—	—	—	—	—
Germany .....	—	—	—	68	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	2,592	—	—	—	2,592
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	43	—	—	89	—	—	—	89
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	1,055	—	—	—	1,055
Russia .....	—	—	—	—	—	—	88	276	—	—	364
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	543	—	0	0	0	0	0
<b>Total</b> .....	43	44	—	308	543	—	9,129	320	96	12	9,557
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	1,828	—	—	—	1,828

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	281	-	-	-	1,479	1,479
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	18	-	-	-	-	-
Kuwait .....	-	-	-	101	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	20	-	-	-	-	-
Saudi Arabia .....	-	-	-	48	-	-	-	505	505
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	94	-	-	-	974	974
<b>Non-OPEC</b> .....	-	64	-	2,825	155	468	539	3,326	4,333
Argentina .....	-	-	-	-	-	130	297	-	427
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	121	121
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	9	63	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	3	-	502	5	-	242	1,364	1,606
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	245	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	19	19
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	163	87	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	1,256	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	6	-	-	-	554	554
Netherlands .....	-	61	-	-	-	-	-	560	560
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	168	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	278	278
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	476	0	338	0	430	768
<b>Total</b> .....	-	64	-	3,106	155	468	539	4,805	5,812
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	335	-	-	-	505	505

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	31	104	-	8,317	78,815	2,274	268	2,542
Algeria .....	-	-	-	-	-	-	-	2,400	3,036	21	77	98
Angola .....	-	-	-	-	-	-	-	-	248	8	-	8
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	1,801	58	-	58
Ecuador .....	-	-	-	-	-	-	-	-	7,370	238	-	238
Equatorial Guinea .....	-	-	-	-	-	-	-	-	653	21	-	21
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	18	13,292	428	1	429
Kuwait .....	-	-	-	-	-	-	-	101	664	18	3	21
Libya .....	-	-	-	-	-	-	-	205	1,850	53	7	60
Nigeria .....	-	-	-	-	-	-	-	752	5,618	157	24	181
Saudi Arabia .....	-	-	-	-	-	-	-	1,842	23,881	711	59	770
United Arab Emirates .....	-	-	-	-	-	104	-	829	829	-	27	27
Venezuela .....	-	-	-	-	31	-	-	2,170	19,573	561	70	631
<b>Non-OPEC</b> .....	351	130	170	202	949	1,334	1	59,026	221,654	5,246	1,904	7,150
Argentina .....	-	-	-	134	-	3	-	955	2,988	66	31	96
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	622	622	-	20	20
Bahrain .....	-	-	-	-	-	143	-	143	143	-	5	5
Belgium .....	-	-	-	-	-	10	-	2,188	2,188	-	71	71
Brazil .....	-	9	-	-	-	-	-	2,404	4,414	65	78	142
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	83	77	46	54	910	229	1	20,722	143,470	3,960	668	4,628
Chad .....	-	-	-	-	-	-	-	-	477	15	-	15
China .....	-	-	88	-	-	-	-	333	333	-	11	11
Colombia .....	-	-	-	-	-	-	-	797	11,773	354	26	380
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	248	8	-	8
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	354	354	-	11	11
France .....	-	44	-	-	-	9	-	1,120	1,120	-	36	36
Germany .....	-	-	-	-	-	12	-	520	520	-	17	17
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	3,014	3,014	-	97	97
Indonesia .....	-	-	1	-	-	123	-	637	637	-	21	21
Italy .....	-	-	-	-	-	9	-	541	541	-	17	17
Korea, South .....	-	-	1	-	-	545	-	2,434	2,434	-	79	79
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	9	-	-	-	-	172	172	-	6	6
Mexico .....	135	-	-	-	-	-	-	695	17,632	546	22	569
Netherlands .....	-	-	-	-	-	-	-	3,108	3,108	-	100	100
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	1,439	2,738	42	46	88
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	840	840	-	27	27
Qatar .....	-	-	-	-	-	194	-	1,417	1,417	-	46	46
Russia .....	-	-	-	-	-	18	-	6,672	9,946	106	215	321
Spain .....	-	-	3	-	39	-	-	522	522	-	17	17
Sweden .....	-	-	-	1	-	-	-	192	192	-	6	6
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	846	27	-	27
United Kingdom .....	52	-	-	11	-	39	-	2,757	3,787	33	89	122
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	81	0	22	2	0	0	0	4,428	5,178	24	142	167
<b>Total</b> .....	<b>351</b>	<b>130</b>	<b>170</b>	<b>202</b>	<b>980</b>	<b>1,438</b>	<b>1</b>	<b>67,343</b>	<b>300,469</b>	<b>7,520</b>	<b>2,172</b>	<b>9,693</b>
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	<b>441</b>	-	<b>4,350</b>	<b>40,226</b>	<b>1,157</b>	<b>140</b>	<b>1,298</b>

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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-January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>70,498</b>	-	-	<b>3,698</b>	-	-	-	-	<b>1,548</b>	<b>1,548</b>
Algeria .....	636	-	-	2,400	-	-	-	-	-	-
Angola .....	248	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	1,801	-	-	-	-	-	-	-	-	-
Ecuador .....	7,370	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	653	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	13,274	-	-	-	-	-	-	-	-	-
Kuwait .....	563	-	-	-	-	-	-	-	-	-
Libya .....	1,645	-	-	205	-	-	-	-	-	-
Nigeria .....	4,866	-	-	166	-	-	-	-	457	457
Saudi Arabia .....	22,039	-	-	237	-	-	-	-	359	359
United Arab Emirates .....	-	-	-	645	-	-	-	-	-	-
Venezuela .....	17,403	-	-	45	-	-	-	-	732	732
<b>Non-OPEC</b> .....	<b>162,628</b>	<b>8,474</b>	<b>517</b>	<b>14,181</b>	-	<b>1,407</b>	<b>1,407</b>	<b>5,658</b>	<b>8,956</b>	<b>14,614</b>
Argentina .....	<b>2,033</b>	<b>49</b>	-	-	-	-	-	-	<b>299</b>	<b>299</b>
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	2,178	-	-	-	-	-	-
Brazil .....	2,010	-	-	188	-	-	-	-	2,091	2,091
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	122,748	7,995	517	321	-	578	578	2,849	1,597	4,446
Chad .....	477	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	10,976	-	-	-	-	-	-	-	211	211
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	248	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	354	354
France .....	-	-	-	106	-	304	304	-	596	596
Germany .....	-	-	-	405	-	-	-	-	35	35
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	167	-	-	-	-	5	5
Indonesia .....	-	-	-	-	-	-	-	-	513	513
Italy .....	-	-	-	220	-	-	-	-	312	312
Korea, South .....	-	-	-	-	-	342	342	-	158	158
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	163	-	-	-	-	-	-
Mexico .....	16,937	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	927	-	-	-	1,530	30	1,560
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	1,299	47	-	1,392	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	840	840
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	3,274	-	-	5,696	-	-	-	-	316	316
Spain .....	-	-	-	30	-	-	-	-	450	450
Sweden .....	-	191	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	846	-	-	-	-	-	-	-	-	-
United Kingdom .....	1,030	192	-	574	-	183	183	1,279	427	1,706
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	750	0	0	1,814	-	0	0	0	722	722
<b>Total</b> .....	<b>233,126</b>	<b>8,474</b>	<b>517</b>	<b>17,879</b>	-	<b>1,407</b>	<b>1,407</b>	<b>5,658</b>	<b>10,504</b>	<b>16,162</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>35,876</b>	-	-	<b>882</b>	-	-	-	-	<b>359</b>	<b>359</b>

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-January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	1,176	-	-	-	1,176
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	109	-	-	-	109
Saudi Arabia .....	-	-	-	-	-	-	693	-	-	-	693
United Arab Emirates .....	-	-	-	-	-	-	80	-	-	-	80
Venezuela .....	-	-	-	-	-	-	294	-	-	-	294
<b>Non-OPEC</b> .....	43	44	-	308	543	-	7,953	320	96	12	8,381
Argentina .....	43	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	501	-	-	-	501
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	44	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	136	-	-	3,061	44	96	12	3,213
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	567	-	-	-	567
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	61	-	-	-	-	-	-	-
Germany .....	-	-	-	68	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	2,592	-	-	-	2,592
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	43	-	-	89	-	-	-	89
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	1,055	-	-	-	1,055
Russia .....	-	-	-	-	-	-	88	276	-	-	364
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	0	543	-	0	0	0	0	0
<b>Total</b> .....	<b>43</b>	<b>44</b>	<b>-</b>	<b>308</b>	<b>543</b>	<b>-</b>	<b>9,129</b>	<b>320</b>	<b>96</b>	<b>12</b>	<b>9,557</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,828</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,828</b>

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-January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	281	-	-	-	1,479	1,479
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	18	-	-	-	-	-
Kuwait .....	-	-	-	101	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	20	-	-	-	-	-
Saudi Arabia .....	-	-	-	48	-	-	-	505	505
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	94	-	-	-	974	974
<b>Non-OPEC</b> .....	-	64	-	2,825	155	468	539	3,326	4,333
Argentina .....	-	-	-	-	-	130	297	-	427
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	121	121
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	9	63	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	3	-	502	5	-	242	1,364	1,606
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	245	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	19	19
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	163	87	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	1,256	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	6	-	-	-	554	554
Netherlands .....	-	61	-	-	-	-	-	560	560
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	168	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	278	278
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	476	0	338	0	430	768
<b>Total</b> .....	-	64	-	3,106	155	468	539	4,805	5,812
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	335	-	-	-	505	505

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-January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	31	104	-	8,317	78,815	2,274	268	2,542
Algeria .....	-	-	-	-	-	-	-	2,400	3,036	21	77	98
Angola .....	-	-	-	-	-	-	-	-	248	8	-	8
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	1,801	58	-	58
Ecuador .....	-	-	-	-	-	-	-	-	7,370	238	-	238
Equatorial Guinea .....	-	-	-	-	-	-	-	-	653	21	-	21
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	18	13,292	428	1	429
Kuwait .....	-	-	-	-	-	-	-	101	664	18	3	21
Libya .....	-	-	-	-	-	-	-	205	1,850	53	7	60
Nigeria .....	-	-	-	-	-	-	-	752	5,618	157	24	181
Saudi Arabia .....	-	-	-	-	-	-	-	1,842	23,881	711	59	770
United Arab Emirates .....	-	-	-	-	-	104	-	829	829	-	27	27
Venezuela .....	-	-	-	-	31	-	-	2,170	19,573	561	70	631
<b>Non-OPEC</b> .....	351	130	170	202	949	1,334	1	59,026	221,654	5,246	1,904	7,150
Argentina .....	-	-	-	134	-	3	-	955	2,988	66	31	96
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	622	622	-	20	20
Bahrain .....	-	-	-	-	-	143	-	143	143	-	5	5
Belgium .....	-	-	-	-	-	10	-	2,188	2,188	-	71	71
Brazil .....	-	9	-	-	-	-	-	2,404	4,414	65	78	142
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	83	77	46	54	910	229	1	20,722	143,470	3,960	668	4,628
Chad .....	-	-	-	-	-	-	-	-	477	15	-	15
China .....	-	-	88	-	-	-	-	333	333	-	11	11
Colombia .....	-	-	-	-	-	-	-	797	11,773	354	26	380
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	248	8	-	8
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	354	354	-	11	11
France .....	-	44	-	-	-	9	-	1,120	1,120	-	36	36
Germany .....	-	-	-	-	-	12	-	520	520	-	17	17
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	3,014	3,014	-	97	97
Indonesia .....	-	-	1	-	-	123	-	637	637	-	21	21
Italy .....	-	-	-	-	-	9	-	541	541	-	17	17
Korea, South .....	-	-	1	-	-	545	-	2,434	2,434	-	79	79
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	9	-	-	-	-	172	172	-	6	6
Mexico .....	135	-	-	-	-	-	-	695	17,632	546	22	569
Netherlands .....	-	-	-	-	-	-	-	3,108	3,108	-	100	100
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	1,439	2,738	42	46	88
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	840	840	-	27	27
Qatar .....	-	-	-	-	-	194	-	1,417	1,417	-	46	46
Russia .....	-	-	-	-	-	18	-	6,672	9,946	106	215	321
Spain .....	-	-	3	-	39	-	-	522	522	-	17	17
Sweden .....	-	-	-	1	-	-	-	192	192	-	6	6
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	846	27	-	27
United Kingdom .....	52	-	-	11	-	39	-	2,757	3,787	33	89	122
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	81	0	22	2	0	0	0	4,428	5,178	24	142	167
<b>Total</b> .....	<b>351</b>	<b>130</b>	<b>170</b>	<b>202</b>	<b>980</b>	<b>1,438</b>	<b>1</b>	<b>67,343</b>	<b>300,469</b>	<b>7,520</b>	<b>2,172</b>	<b>9,693</b>
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	441	-	4,350	40,226	1,157	140	1,298

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>11,489</b>	-	-	<b>620</b>	-	-	-	-	<b>1,548</b>	<b>1,548</b>
Algeria .....	636	-	-	409	-	-	-	-	-	-
Angola .....	248	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	1,801	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	597	-	-	-	-	-	-	-	-	-
Nigeria .....	4,866	-	-	166	-	-	-	-	457	457
Saudi Arabia .....	3,341	-	-	-	-	-	-	-	359	359
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	45	-	-	-	-	732	732
<b>Non-OPEC</b> .....	<b>14,571</b>	<b>2,160</b>	<b>214</b>	<b>1,069</b>	-	<b>1,043</b>	<b>1,043</b>	<b>5,658</b>	<b>7,343</b>	<b>13,001</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	2,091	2,091
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	7,952	1,777	214	-	-	556	556	2,849	936	3,785
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,993	-	-	-	-	-	-	-	211	211
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	248	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	354	354
France .....	-	-	-	-	-	304	304	-	291	291
Germany .....	-	-	-	163	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	513	513
Italy .....	-	-	-	-	-	-	-	-	312	312
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	1,530	-	1,530
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	1,299	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	840	840
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	2,556	-	-	612	-	-	-	-	316	316
Spain .....	-	-	-	30	-	-	-	-	450	450
Sweden .....	-	191	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	523	-	-	-	-	183	183	1,279	427	1,706
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	192	0	264	-	0	0	0	602	602
<b>Total</b> .....	<b>26,060</b>	<b>2,160</b>	<b>214</b>	<b>1,689</b>	-	<b>1,043</b>	<b>1,043</b>	<b>5,658</b>	<b>8,891</b>	<b>14,549</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>3,341</b>	-	-	-	-	-	-	-	<b>359</b>	<b>359</b>

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	883	-	-	-	883
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	109	-	-	-	109
Saudi Arabia .....	-	-	-	-	-	-	693	-	-	-	693
United Arab Emirates .....	-	-	-	-	-	-	80	-	-	-	80
Venezuela .....	-	-	-	-	-	-	1	-	-	-	1
<b>Non-OPEC</b> .....	-	-	-	164	-	-	7,531	320	21	-	7,872
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	501	-	-	-	501
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	35	-	-	2,728	44	21	-	2,793
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	567	-	-	-	567
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	61	-	-	-	-	-	-	-
Germany .....	-	-	-	68	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	2,592	-	-	-	2,592
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	1,055	-	-	-	1,055
Russia .....	-	-	-	-	-	-	88	276	-	-	364
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	0	0	-	0
<b>Total</b> .....	-	-	-	164	-	-	8,414	320	21	-	8,755
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	1,828	-	-	-	1,828

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	263	-	-	-	974	974
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	101	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	20	-	-	-	-	-
Saudi Arabia .....	-	-	-	48	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	94	-	-	-	974	974
<b>Non-OPEC</b> .....	-	19	-	1,081	-	130	299	1,603	2,032
Argentina .....	-	-	-	-	-	130	297	-	427
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	121	121
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	9	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	1	-	496	-	-	2	1,076	1,078
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	245	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	19	19
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	163	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	18	-	-	-	-	-	325	325
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	168	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	-	0	0	62	62
<b>Total</b> .....	-	19	-	1,344	-	130	299	2,577	3,006
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	317	-	-	-	-	-

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	31	-	-	4,319	15,808	371	139	510
Algeria .....	-	-	-	-	-	-	-	409	1,045	21	13	34
Angola .....	-	-	-	-	-	-	-	-	248	8	-	8
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	1,801	58	-	58
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	101	101	-	3	3
Libya .....	-	-	-	-	-	-	-	-	597	19	-	19
Nigeria .....	-	-	-	-	-	-	-	752	5,618	157	24	181
Saudi Arabia .....	-	-	-	-	-	-	-	1,100	4,441	108	35	143
United Arab Emirates .....	-	-	-	-	-	-	-	80	80	-	3	3
Venezuela .....	-	-	-	-	31	-	-	1,877	1,877	-	61	61
<b>Non-OPEC</b> .....	-	1	73	6	579	146	-	29,460	44,031	470	950	1,420
Argentina .....	-	-	-	-	-	-	-	427	427	-	14	14
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	622	622	-	20	20
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	8	-	8	8	-	0	0
Brazil .....	-	-	-	-	-	-	-	2,100	2,100	-	68	68
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	1	43	1	540	107	-	11,427	19,379	257	369	625
Chad .....	-	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	26	-	-	-	-	271	271	-	9	9
Colombia .....	-	-	-	-	-	-	-	797	2,790	64	26	90
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	248	8	-	8
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	354	354	-	11	11
France .....	-	-	-	-	-	6	-	662	662	-	21	21
Germany .....	-	-	-	-	-	6	-	237	237	-	8	8
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	2,755	2,755	-	89	89
Indonesia .....	-	-	1	-	-	-	-	514	514	-	17	17
Italy .....	-	-	-	-	-	1	-	313	313	-	10	10
Korea, South .....	-	-	1	-	-	-	-	1	1	-	0	0
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	1,873	1,873	-	60	60
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	1,299	42	-	42
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	840	840	-	27	27
Qatar .....	-	-	-	-	-	-	-	1,223	1,223	-	39	39
Russia .....	-	-	-	-	-	18	-	1,310	3,866	82	42	125
Spain .....	-	-	2	-	39	-	-	521	521	-	17	17
Sweden .....	-	-	-	-	-	-	-	191	191	-	6	6
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	3	-	-	-	2,084	2,607	17	67	84
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	0	2	0	0	-	930	930	0	30	30
<b>Total</b> .....	-	1	73	6	610	146	-	33,779	59,839	841	1,090	1,930
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	2,504	5,845	108	81	189

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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, January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	81,313	3,415	303	70	-	-	-	-	604	604
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	80,806	3,415	303	70	-	-	-	-	604	604
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	507	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	-	-	-	-	0	0
<b>Total</b> .....	<b>81,313</b>	<b>3,415</b>	<b>303</b>	<b>70</b>	-	-	-	-	<b>604</b>	<b>604</b>
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	95	-	-	245	-	75	12	332
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	95	-	-	245	-	75	12	332
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	-	-	95	-	-	245	-	75	12	332
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	2	-	-	5	-	33	69	102
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	2	-	-	5	-	33	69	102
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	2	-	-	5	-	33	69	102
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	83	76	3	31	237	117	-	5,475	86,788	2,623	177	2,800
Argentina .....	-	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	83	76	3	30	237	116	-	5,473	86,279	2,607	177	2,783
Chad .....	-	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	507	16	-	16
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	1	-	1	1	-	0	0
Russia .....	-	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	1	-	-	-	1	1	-	0	0
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	0	0	-	0	0	0	0	1
<b>Total</b> .....	<b>83</b>	<b>76</b>	<b>3</b>	<b>31</b>	<b>237</b>	<b>117</b>	<b>-</b>	<b>5,475</b>	<b>86,788</b>	<b>2,623</b>	<b>177</b>	<b>2,800</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>0</b>	<b>0</b>

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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, January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>33,371</b>	-	-	<b>2,710</b>	-	-	-	-	-	-
Algeria .....	-	-	-	1,623	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	761	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	11,391	-	-	-	-	-	-	-	-	-
Kuwait .....	563	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	205	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	3,750	-	-	237	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	645	-	-	-	-	-	-
Venezuela .....	16,906	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>41,040</b>	-	-	<b>12,103</b>	-	-	-	-	<b>369</b>	<b>369</b>
Argentina .....	-	-	-	-	-	-	-	-	<b>299</b>	<b>299</b>
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	2,178	-	-	-	-	-	-
Brazil .....	1,462	-	-	188	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	16,818	-	-	251	-	-	-	-	-	-
Chad .....	477	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	4,707	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	106	-	-	-	-	-	-
Germany .....	-	-	-	242	-	-	-	-	35	35
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	167	-	-	-	-	5	5
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	220	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	15,923	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	927	-	-	-	-	30	30
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	1,392	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	718	-	-	4,905	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	360	-	-	-	-	-	-	-	-	-
United Kingdom .....	507	-	-	225	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	68	-	-	1,302	-	-	-	-	0	0
<b>Total</b> .....	<b>74,411</b>	-	-	<b>14,813</b>	-	-	-	-	<b>369</b>	<b>369</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>15,704</b>	-	-	<b>882</b>	-	-	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	293	-	-	-	293
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	293	-	-	-	293
<b>Non-OPEC</b> .....	43	44	-	-	-	-	26	-	-	-	26
Argentina .....	43	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	44	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	26	-	-	-	26
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	-	0	-	-	-	0
<b>Total</b> .....	<b>43</b>	<b>44</b>	-	-	-	-	<b>319</b>	-	-	-	<b>319</b>
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	18	-	-	-	505	505
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	18	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	505	505
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	43	-	12	150	-	-	857	857
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	63	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	6	-	-	-	-	-
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	87	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	6	-	-	-	344	344
Netherlands .....	-	43	-	-	-	-	-	235	235
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	278	278
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	0	-	-	0	0
<b>Total</b> .....	-	43	-	30	150	-	-	1,362	1,362
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	18	-	-	-	505	505

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	-	104	-	3,630	37,001	1,076	117	1,194
Algeria .....	-	-	-	-	-	-	-	1,623	1,623	-	52	52
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	761	25	-	25
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	18	11,409	367	1	368
Kuwait .....	-	-	-	-	-	-	-	-	563	18	-	18
Libya .....	-	-	-	-	-	-	-	205	205	-	7	7
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	742	4,492	121	24	145
United Arab Emirates .....	-	-	-	-	-	104	-	749	749	-	24	24
Venezuela .....	-	-	-	-	-	-	-	293	17,199	545	9	555
<b>Non-OPEC</b> .....	230	53	22	142	-	1,065	-	15,159	56,199	1,324	489	1,813
Argentina .....	-	-	-	134	-	3	-	479	479	-	15	15
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	143	-	143	143	-	5	5
Belgium .....	-	-	-	-	-	2	-	2,180	2,180	-	70	70
Brazil .....	-	9	-	-	-	-	-	304	1,766	47	10	57
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	-	283	17,101	543	9	552
Chad .....	-	-	-	-	-	-	-	-	477	15	-	15
China .....	-	-	12	-	-	-	-	12	12	-	0	0
Colombia .....	-	-	-	-	-	-	-	-	4,707	152	-	152
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
France .....	-	44	-	-	-	3	-	153	153	-	5	5
Germany .....	-	-	-	-	-	6	-	283	283	-	9	9
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	259	259	-	8	8
Indonesia .....	-	-	-	-	-	123	-	123	123	-	4	4
Italy .....	-	-	-	-	-	8	-	228	228	-	7	7
Korea, South .....	-	-	-	-	-	545	-	545	545	-	18	18
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	9	-	-	-	-	9	9	-	0	0
Mexico .....	135	-	-	-	-	-	-	485	16,408	514	16	529
Netherlands .....	-	-	-	-	-	-	-	1,235	1,235	-	40	40
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	1,392	1,392	-	45	45
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	193	-	193	193	-	6	6
Russia .....	-	-	-	-	-	-	-	5,183	5,901	23	167	190
Spain .....	-	-	1	-	-	-	-	1	1	-	0	0
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	360	12	-	12
United Kingdom .....	52	-	-	8	-	39	-	324	831	16	10	27
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	43	0	0	0	-	0	-	1,345	1,413	2	45	47
<b>Total</b> .....	<b>230</b>	<b>53</b>	<b>22</b>	<b>142</b>	<b>-</b>	<b>1,169</b>	<b>-</b>	<b>18,789</b>	<b>93,200</b>	<b>2,400</b>	<b>606</b>	<b>3,006</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>440</b>	<b>-</b>	<b>1,845</b>	<b>17,549</b>	<b>507</b>	<b>60</b>	<b>566</b>

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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, January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>PAD District 4</b>										
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	9,429	781	-	-	-	-	-	-	57	57
Canada .....	9,429	781	-	-	-	-	-	-	57	57
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	-	-	-	0	0
<b>Total</b> .....	<b>9,429</b>	<b>781</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>57</b>	<b>57</b>
<b>PAD District 5</b>										
<b>OPEC</b> .....	<b>25,638</b>	-	-	<b>368</b>	-	-	-	-	-	-
Algeria .....	-	-	-	368	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	6,609	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	1,883	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	1,048	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	14,948	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	497	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>16,275</b>	<b>2,118</b>	-	<b>939</b>	-	<b>364</b>	<b>364</b>	-	<b>583</b>	<b>583</b>
Argentina .....	2,033	49	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	548	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	7,743	2,022	-	-	-	22	22	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	4,276	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	248	-	-	-	-	120	120
Korea, South .....	-	-	-	-	-	342	342	-	158	158
Malaysia .....	-	-	-	163	-	-	-	-	-	-
Mexico .....	507	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	349	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-
Other .....	1,168	47	-	179	-	0	0	-	305	305
<b>Total</b> .....	<b>41,913</b>	<b>2,118</b>	<b>-</b>	<b>1,307</b>	<b>-</b>	<b>364</b>	<b>364</b>	<b>-</b>	<b>583</b>	<b>583</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>16,831</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	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	Total
<b>PAD District 4</b>											
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	1	-	-	30	-	-	-	30
Canada .....	-	-	-	1	-	-	30	-	-	-	30
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	-	-	0
<b>Total</b> .....	-	-	-	1	-	-	30	-	-	-	30
<b>PAD District 5</b>											
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	48	543	-	121	-	-	-	121
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	5	-	-	32	-	-	-	32
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	43	-	-	89	-	-	-	89
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	543	-	0	-	-	-	0
<b>Total</b> .....	-	-	-	48	543	-	121	-	-	-	121
<b>Persian Gulf</b> <sup>3</sup> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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	
<b>PAD District 4</b>									
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	-	-	-	-	97	97
Canada .....	-	-	-	-	-	-	-	97	97
Qatar .....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	-	-	-	0	0
<b>Total</b> .....	-	-	-	-	-	-	-	97	97
<b>PAD District 5</b>									
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	1,732	-	338	207	700	1,245
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	207	122	329
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	326	-	-	-	-	-
Korea, South .....	-	-	-	1,256	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	210	210
Netherlands .....	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	175	175
Qatar .....	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	150	-	338	-	-	338
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	0	0	193	193
<b>Total</b> .....	-	-	-	1,732	-	338	207	700	1,245
<b>Persian Gulf</b> <sup>3</sup> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, January 2019**  
(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
<b>PAD District 4</b>												
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	-	28	-	1	995	10,424	304	32	336
Canada .....	-	-	-	-	28	-	1	995	10,424	304	32	336
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	0	-	0	0	0	0	0	0
<b>Total</b> .....	-	-	-	-	28	-	1	995	10,424	304	32	336
<b>PAD District 5</b>												
<b>OPEC</b> .....	-	-	-	-	-	-	-	368	26,006	827	12	839
Algeria .....	-	-	-	-	-	-	-	368	368	-	12	12
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	6,609	213	-	213
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	1,883	61	-	61
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	1,048	34	-	34
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	14,948	482	-	482
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	497	16	-	16
<b>Non-OPEC</b> .....	38	-	72	23	105	6	-	7,937	24,212	525	256	781
Argentina .....	-	-	-	-	-	-	-	49	2,082	66	2	67
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	548	18	-	18
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	23	105	6	-	2,544	10,287	250	82	332
China .....	-	-	50	-	-	-	-	50	50	-	2	2
Colombia .....	-	-	-	-	-	-	-	-	4,276	138	-	138
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	22	-	-	-	-	716	716	-	23	23
Korea, South .....	-	-	-	-	-	-	-	1,888	1,888	-	61	61
Malaysia .....	-	-	-	-	-	-	-	163	163	-	5	5
Mexico .....	-	-	-	-	-	-	-	210	717	16	7	23
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	175	175	-	6	6
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	1,031	1,031	-	33	33
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	38	-	-	-	-	-	-	38	38	-	1	1
United Kingdom .....	-	-	-	-	-	-	-	349	349	-	11	11
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	-	0	0	0	0	-	724	1,892	37	23	61
<b>Total</b> .....	38	-	72	23	105	6	-	8,305	50,218	1,352	268	1,620
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	16,831	543	-	543

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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-January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>11,489</b>	-	-	<b>620</b>	-	-	-	-	<b>1,548</b>	<b>1,548</b>
Algeria .....	636	-	-	409	-	-	-	-	-	-
Angola .....	248	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	1,801	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	597	-	-	-	-	-	-	-	-	-
Nigeria .....	4,866	-	-	166	-	-	-	-	457	457
Saudi Arabia .....	3,341	-	-	-	-	-	-	-	359	359
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	45	-	-	-	-	732	732
<b>Non-OPEC</b> .....	<b>14,571</b>	<b>2,160</b>	<b>214</b>	<b>1,069</b>	-	<b>1,043</b>	<b>1,043</b>	<b>5,658</b>	<b>7,343</b>	<b>13,001</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	2,091	2,091
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	7,952	1,777	214	-	-	556	556	2,849	936	3,785
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,993	-	-	-	-	-	-	-	211	211
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	248	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	354	354
France .....	-	-	-	-	-	304	304	-	291	291
Germany .....	-	-	-	163	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	513	513
Italy .....	-	-	-	-	-	-	-	-	312	312
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	1,530	-	1,530
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	1,299	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	840	840
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	2,556	-	-	612	-	-	-	-	316	316
Spain .....	-	-	-	30	-	-	-	-	450	450
Sweden .....	-	191	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	523	-	-	-	-	183	183	1,279	427	1,706
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	192	0	264	-	0	0	0	602	602
<b>Total</b> .....	<b>26,060</b>	<b>2,160</b>	<b>214</b>	<b>1,689</b>	-	<b>1,043</b>	<b>1,043</b>	<b>5,658</b>	<b>8,891</b>	<b>14,549</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>3,341</b>	-	-	-	-	-	-	-	<b>359</b>	<b>359</b>

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-January 2019**  
(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	
<b>OPEC</b>	-	-	-	-	-	-	883	-	-	-	883
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	109	-	-	-	109
Saudi Arabia	-	-	-	-	-	-	693	-	-	-	693
United Arab Emirates	-	-	-	-	-	-	80	-	-	-	80
Venezuela	-	-	-	-	-	-	1	-	-	-	1
<b>Non-OPEC</b>	-	-	-	164	-	-	7,531	320	21	-	7,872
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	501	-	-	-	501
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	35	-	-	2,728	44	21	-	2,793
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	567	-	-	-	567
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	61	-	-	-	-	-	-	-
Germany	-	-	-	68	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	2,592	-	-	-	2,592
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	1,055	-	-	-	1,055
Russia	-	-	-	-	-	-	88	276	-	-	364
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0	-	0
<b>Total</b>	-	-	-	164	-	-	8,414	320	21	-	8,755
<b>Persian Gulf<sup>3</sup></b>	-	-	-	-	-	-	1,828	-	-	-	1,828

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-January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	263	-	-	-	974	974
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	101	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	20	-	-	-	-	-
Saudi Arabia .....	-	-	-	48	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	94	-	-	-	974	974
<b>Non-OPEC</b> .....	-	19	-	1,081	-	130	299	1,603	2,032
Argentina .....	-	-	-	-	-	130	297	-	427
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	121	121
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	9	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	1	-	496	-	-	2	1,076	1,078
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	245	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	19	19
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	163	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	18	-	-	-	-	-	325	325
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	168	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	-	0	0	62	62
<b>Total</b> .....	-	19	-	1,344	-	130	299	2,577	3,006
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	317	-	-	-	-	-

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-January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	31	-	-	4,319	15,808	371	139	510
Algeria .....	-	-	-	-	-	-	-	409	1,045	21	13	34
Angola .....	-	-	-	-	-	-	-	-	248	8	-	8
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	1,801	58	-	58
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	101	101	-	3	3
Libya .....	-	-	-	-	-	-	-	-	597	19	-	19
Nigeria .....	-	-	-	-	-	-	-	752	5,618	157	24	181
Saudi Arabia .....	-	-	-	-	-	-	-	1,100	4,441	108	35	143
United Arab Emirates .....	-	-	-	-	-	-	-	80	80	-	3	3
Venezuela .....	-	-	-	-	31	-	-	1,877	1,877	-	61	61
<b>Non-OPEC</b> .....	-	1	73	6	579	146	-	29,460	44,031	470	950	1,420
Argentina .....	-	-	-	-	-	-	-	427	427	-	14	14
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	622	622	-	20	20
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	8	-	8	8	-	0	0
Brazil .....	-	-	-	-	-	-	-	2,100	2,100	-	68	68
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	1	43	1	540	107	-	11,427	19,379	257	369	625
Chad .....	-	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	26	-	-	-	-	271	271	-	9	9
Colombia .....	-	-	-	-	-	-	-	797	2,790	64	26	90
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	248	8	-	8
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	354	354	-	11	11
France .....	-	-	-	-	-	6	-	662	662	-	21	21
Germany .....	-	-	-	-	-	6	-	237	237	-	8	8
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	2,755	2,755	-	89	89
Indonesia .....	-	-	1	-	-	-	-	514	514	-	17	17
Italy .....	-	-	-	-	-	1	-	313	313	-	10	10
Korea, South .....	-	-	1	-	-	-	-	1	1	-	0	0
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	1,873	1,873	-	60	60
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	1,299	42	-	42
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	840	840	-	27	27
Qatar .....	-	-	-	-	-	-	-	1,223	1,223	-	39	39
Russia .....	-	-	-	-	-	18	-	1,310	3,866	82	42	125
Spain .....	-	-	2	-	39	-	-	521	521	-	17	17
Sweden .....	-	-	-	-	-	-	-	191	191	-	6	6
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	3	-	-	-	2,084	2,607	17	67	84
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	0	2	0	0	-	930	930	0	30	30
<b>Total</b> .....	-	1	73	6	610	146	-	33,779	59,839	841	1,090	1,930
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	2,504	5,845	108	81	189

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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-January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	81,313	3,415	303	70	-	-	-	-	604	604
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	80,806	3,415	303	70	-	-	-	-	604	604
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	507	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	-	-	-	-	0	0
<b>Total</b> .....	<b>81,313</b>	<b>3,415</b>	<b>303</b>	<b>70</b>	-	-	-	-	<b>604</b>	<b>604</b>
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-

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-January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	95	-	-	245	-	75	12	332
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	95	-	-	245	-	75	12	332
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	-	-	95	-	-	245	-	75	12	332
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

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-January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	2	-	-	5	-	33	69	102
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	2	-	-	5	-	33	69	102
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	2	-	-	5	-	33	69	102
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-

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-January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	83	76	3	31	237	117	-	5,475	86,788	2,623	177	2,800
Argentina .....	-	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	83	76	3	30	237	116	-	5,473	86,279	2,607	177	2,783
Chad .....	-	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	507	16	-	16
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	1	-	1	1	-	0	0
Russia .....	-	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	1	-	-	-	1	1	-	0	0
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	0	0	-	0	0	0	0	1
<b>Total</b> .....	<b>83</b>	<b>76</b>	<b>3</b>	<b>31</b>	<b>237</b>	<b>117</b>	<b>-</b>	<b>5,475</b>	<b>86,788</b>	<b>2,623</b>	<b>177</b>	<b>2,800</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>0</b>	<b>0</b>

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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-January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>33,371</b>	-	-	<b>2,710</b>	-	-	-	-	-	-
Algeria .....	-	-	-	1,623	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	761	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	11,391	-	-	-	-	-	-	-	-	-
Kuwait .....	563	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	205	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	3,750	-	-	237	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	645	-	-	-	-	-	-
Venezuela .....	16,906	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>41,040</b>	-	-	<b>12,103</b>	-	-	-	-	<b>369</b>	<b>369</b>
Argentina .....	-	-	-	-	-	-	-	-	<b>299</b>	<b>299</b>
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	2,178	-	-	-	-	-	-
Brazil .....	1,462	-	-	188	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	16,818	-	-	251	-	-	-	-	-	-
Chad .....	477	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	4,707	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	106	-	-	-	-	-	-
Germany .....	-	-	-	242	-	-	-	-	35	35
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	167	-	-	-	-	5	5
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	220	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	15,923	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	927	-	-	-	-	30	30
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	1,392	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	718	-	-	4,905	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	360	-	-	-	-	-	-	-	-	-
United Kingdom .....	507	-	-	225	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	68	-	-	1,302	-	-	-	-	0	0
<b>Total</b> .....	<b>74,411</b>	-	-	<b>14,813</b>	-	-	-	-	<b>369</b>	<b>369</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>15,704</b>	-	-	<b>882</b>	-	-	-	-	-	-

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-January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	-	-	-	293	-	-	-	293
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	293	-	-	-	293
<b>Non-OPEC</b> .....	43	44	-	-	-	-	26	-	-	-	26
Argentina .....	43	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	44	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	26	-	-	-	26
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	-	0	-	-	-	0
<b>Total</b> .....	<b>43</b>	<b>44</b>	-	-	-	-	<b>319</b>	-	-	-	<b>319</b>
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

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-January 2019**  
(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	
<b>OPEC</b> .....	-	-	-	18	-	-	-	505	505
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	18	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	505	505
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	43	-	12	150	-	-	857	857
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	63	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	6	-	-	-	-	-
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	87	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	6	-	-	-	344	344
Netherlands .....	-	43	-	-	-	-	-	235	235
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	278	278
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	0	-	-	0	0
<b>Total</b> .....	-	43	-	30	150	-	-	1,362	1,362
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	18	-	-	-	505	505

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-January 2019**  
(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
<b>OPEC</b> .....	-	-	-	-	-	104	-	3,630	37,001	1,076	117	1,194
Algeria .....	-	-	-	-	-	-	-	1,623	1,623	-	52	52
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	761	25	-	25
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	18	11,409	367	1	368
Kuwait .....	-	-	-	-	-	-	-	-	563	18	-	18
Libya .....	-	-	-	-	-	-	-	205	205	-	7	7
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	742	4,492	121	24	145
United Arab Emirates .....	-	-	-	-	-	104	-	749	749	-	24	24
Venezuela .....	-	-	-	-	-	-	-	293	17,199	545	9	555
<b>Non-OPEC</b> .....	230	53	22	142	-	1,065	-	15,159	56,199	1,324	489	1,813
Argentina .....	-	-	-	134	-	3	-	479	479	-	15	15
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	143	-	143	143	-	5	5
Belgium .....	-	-	-	-	-	2	-	2,180	2,180	-	70	70
Brazil .....	-	9	-	-	-	-	-	304	1,766	47	10	57
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	-	283	17,101	543	9	552
Chad .....	-	-	-	-	-	-	-	-	477	15	-	15
China .....	-	-	12	-	-	-	-	12	12	-	0	0
Colombia .....	-	-	-	-	-	-	-	-	4,707	152	-	152
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
France .....	-	44	-	-	-	3	-	153	153	-	5	5
Germany .....	-	-	-	-	-	6	-	283	283	-	9	9
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	259	259	-	8	8
Indonesia .....	-	-	-	-	-	123	-	123	123	-	4	4
Italy .....	-	-	-	-	-	8	-	228	228	-	7	7
Korea, South .....	-	-	-	-	-	545	-	545	545	-	18	18
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	9	-	-	-	-	9	9	-	0	0
Mexico .....	135	-	-	-	-	-	-	485	16,408	514	16	529
Netherlands .....	-	-	-	-	-	-	-	1,235	1,235	-	40	40
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	1,392	1,392	-	45	45
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	193	-	193	193	-	6	6
Russia .....	-	-	-	-	-	-	-	5,183	5,901	23	167	190
Spain .....	-	-	1	-	-	-	-	1	1	-	0	0
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	360	12	-	12
United Kingdom .....	52	-	-	8	-	39	-	324	831	16	10	27
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	43	0	0	0	-	0	-	1,345	1,413	2	45	47
<b>Total</b> .....	<b>230</b>	<b>53</b>	<b>22</b>	<b>142</b>	<b>-</b>	<b>1,169</b>	<b>-</b>	<b>18,789</b>	<b>93,200</b>	<b>2,400</b>	<b>606</b>	<b>3,006</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>440</b>	<b>-</b>	<b>1,845</b>	<b>17,549</b>	<b>507</b>	<b>60</b>	<b>566</b>

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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-January 2019**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>PAD District 4</b>										
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	9,429	781	-	-	-	-	-	-	57	57
Canada .....	9,429	781	-	-	-	-	-	-	57	57
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	-	-	-	0	0
<b>Total</b> .....	<b>9,429</b>	<b>781</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>57</b>	<b>57</b>
<b>PAD District 5</b>										
<b>OPEC</b> .....	<b>25,638</b>	-	-	<b>368</b>	-	-	-	-	-	-
Algeria .....	-	-	-	368	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	6,609	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	1,883	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	1,048	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	14,948	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	497	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>16,275</b>	<b>2,118</b>	-	<b>939</b>	-	<b>364</b>	<b>364</b>	-	<b>583</b>	<b>583</b>
Argentina .....	2,033	49	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	548	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	7,743	2,022	-	-	-	22	22	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	4,276	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	248	-	-	-	-	120	120
Korea, South .....	-	-	-	-	-	342	342	-	158	158
Malaysia .....	-	-	-	163	-	-	-	-	-	-
Mexico .....	507	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	349	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	1,168	47	-	179	-	0	0	-	305	305
<b>Total</b> .....	<b>41,913</b>	<b>2,118</b>	<b>-</b>	<b>1,307</b>	<b>-</b>	<b>364</b>	<b>364</b>	<b>-</b>	<b>583</b>	<b>583</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>16,831</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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-January 2019**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	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	Total
<b>PAD District 4</b>											
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	1	-	-	30	-	-	-	30
Canada .....	-	-	-	1	-	-	30	-	-	-	30
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	-	-	0
<b>Total</b> .....	-	-	-	1	-	-	30	-	-	-	30
<b>PAD District 5</b>											
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	48	543	-	121	-	-	-	121
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	5	-	-	32	-	-	-	32
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	43	-	-	89	-	-	-	89
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	543	-	0	-	-	-	0
<b>Total</b> .....	-	-	-	48	543	-	121	-	-	-	121
<b>Persian Gulf</b> <sup>3</sup> .....	-	-	-	-	-	-	-	-	-	-	-

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-January 2019**  
(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	
<b>PAD District 4</b>									
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	-	-	-	-	97	97
Canada .....	-	-	-	-	-	-	-	97	97
Qatar .....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	-	-	-	0	0
<b>Total</b> .....	-	-	-	-	-	-	-	97	97
<b>PAD District 5</b>									
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	1,732	-	338	207	700	1,245
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	207	122	329
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	326	-	-	-	-	-
Korea, South .....	-	-	-	1,256	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	210	210
Netherlands .....	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	175	175
Qatar .....	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	150	-	338	-	-	338
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	0	0	193	193
<b>Total</b> .....	-	-	-	1,732	-	338	207	700	1,245
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-

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-January 2019**  
(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
<b>PAD District 4</b>												
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	-	28	-	1	995	10,424	304	32	336
Canada .....	-	-	-	-	28	-	1	995	10,424	304	32	336
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	0	-	0	0	0	0	0	0
<b>Total</b> .....	-	-	-	-	28	-	1	995	10,424	304	32	336
<b>PAD District 5</b>												
<b>OPEC</b> .....	-	-	-	-	-	-	-	368	26,006	827	12	839
Algeria .....	-	-	-	-	-	-	-	368	368	-	12	12
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	6,609	213	-	213
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	1,883	61	-	61
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	1,048	34	-	34
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	14,948	482	-	482
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	497	16	-	16
<b>Non-OPEC</b> .....	38	-	72	23	105	6	-	7,937	24,212	525	256	781
Argentina .....	-	-	-	-	-	-	-	49	2,082	66	2	67
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	548	18	-	18
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	23	105	6	-	2,544	10,287	250	82	332
China .....	-	-	50	-	-	-	-	50	50	-	2	2
Colombia .....	-	-	-	-	-	-	-	-	4,276	138	-	138
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	22	-	-	-	-	716	716	-	23	23
Korea, South .....	-	-	-	-	-	-	-	1,888	1,888	-	61	61
Malaysia .....	-	-	-	-	-	-	-	163	163	-	5	5
Mexico .....	-	-	-	-	-	-	-	210	717	16	7	23
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	175	175	-	6	6
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	1,031	1,031	-	33	33
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	38	-	-	-	-	-	-	38	38	-	1	1
United Kingdom .....	-	-	-	-	-	-	-	349	349	-	11	11
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	-	0	0	0	0	-	724	1,892	37	23	61
<b>Total</b> .....	38	-	72	23	105	6	-	8,305	50,218	1,352	268	1,620
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	16,831	543	-	543

- = No Data Reported.

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

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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, January 2019**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>2</b>	<b>5,793</b>	<b>74,034</b>	<b>-</b>	<b>-</b>	<b>79,830</b>	<b>2,575</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,586</b>	<b>5,711</b>	<b>38,436</b>	<b>65</b>	<b>935</b>	<b>48,732</b>	<b>1,572</b>
Natural Gas Liquids .....	3,586	5,711	38,436	65	935	48,732	1,572
Ethane .....	1,405	2,719	5,833	-	0	9,957	321
Propane .....	1,831	74	27,948	1	781	30,635	988
Normal Butane .....	15	158	4,466	4	143	4,786	154
Isobutane .....	1	1	156	-	1	159	5
Natural Gasoline .....	334	2,759	33	60	10	3,196	103
Refinery Olefins .....	-	-	-	-	-	-	-
Ethylene .....	-	-	-	-	-	-	-
Propylene .....	-	-	-	-	-	-	-
Normal Butylene .....	-	-	-	-	-	-	-
Isobutylene .....	-	-	-	-	-	-	-
<b>Other Liquids</b> .....	<b>94</b>	<b>1,671</b>	<b>16,319</b>	<b>2</b>	<b>543</b>	<b>18,628</b>	<b>601</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	70	452	4,152	-	302	4,977	161
Hydrogen .....	-	-	-	-	-	-	-
Oxygenates (excluding Fuel Ethanol) .....	2	2	1,854	-	0	1,858	60
Methyl Tertiary Butyl Ether (MTBE) .....	0	0	874	-	0	874	28
Other Oxygenates .....	2	2	979	-	0	983	32
Renewable Fuels (including Fuel Ethanol) ...	69	450	2,299	-	302	3,119	101
Fuel Ethanol .....	62	439	2,264	-	283	3,048	98
Biodiesel .....	7	11	35	-	19	72	2
Other Renewable Diesel .....	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	21	1,118	9,273	2	17	10,431	336
Naphthas and Lighter .....	10	1,108	9,103	-	14	10,236	330
Kerosene and Light Gas Oils .....	11	10	170	2	3	195	6
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	2	101	2,893	0	224	3,220	104
Reformulated .....	1	-	6	-	1	8	0
Conventional .....	2	101	2,887	0	223	3,213	104
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>2,416</b>	<b>768</b>	<b>89,297</b>	<b>16</b>	<b>11,524</b>	<b>104,022</b>	<b>3,356</b>
Finished Motor Gasoline .....	306	75	24,627	1	1,822	26,831	866
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	306	75	24,627	1	1,822	26,831	866
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	544	49	6,580	-	714	7,887	254
Kerosene .....	31	1	151	-	3	186	6
Distillate Fuel Oil .....	175	108	34,687	0	3,759	38,729	1,249
15 ppm sulfur and under .....	10	0	27,750	0	2,760	30,521	985
Greater than 15 ppm to 500 ppm sulfur .....	165	57	2,886	-	796	3,904	126
Greater than 500 ppm sulfur .....	0	51	4,051	-	202	4,304	139
Residual Fuel Oil .....	491	196	6,250	7	708	7,652	247
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	-	-	-	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	190	169	2,402	8	411	3,180	103
Waxes .....	57	44	28	0	3	133	4
Petroleum Coke .....	576	40	14,090	-	3,926	18,632	601
Asphalt and Road Oil .....	36	82	458	0	178	754	24
Miscellaneous Products .....	10	5	24	-	0	39	1
<b>Total</b> .....	<b>6,098</b>	<b>13,943</b>	<b>218,086</b>	<b>83</b>	<b>13,002</b>	<b>251,213</b>	<b>8,104</b>

- = No Data Reported.

<sup>1</sup> 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-January 2019**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>2</b>	<b>5,793</b>	<b>74,034</b>	<b>-</b>	<b>-</b>	<b>79,830</b>	<b>2,575</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,586</b>	<b>5,711</b>	<b>38,436</b>	<b>65</b>	<b>935</b>	<b>48,732</b>	<b>1,572</b>
Natural Gas Liquids .....	3,586	5,711	38,436	65	935	48,732	1,572
Ethane .....	1,405	2,719	5,833	-	0	9,957	321
Propane .....	1,831	76	28,850	1	806	30,635	988
Normal Butane .....	15	163	4,610	4	148	4,786	154
Isobutane .....	1	1	161	-	1	159	5
Natural Gasoline .....	334	2,759	33	60	10	3,196	103
Refinery Olefins .....	-	-	-	-	-	-	-
Ethylene .....	-	-	-	-	-	-	-
Propylene .....	-	-	-	-	-	-	-
Normal Butylene .....	-	-	-	-	-	-	-
Isobutylene .....	-	-	-	-	-	-	-
<b>Other Liquids</b> .....	<b>94</b>	<b>1,671</b>	<b>16,319</b>	<b>2</b>	<b>543</b>	<b>18,628</b>	<b>601</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	70	452	4,152	-	302	4,977	161
Hydrogen .....	-	-	-	-	-	-	-
Oxygenates (excluding Fuel Ethanol) .....	2	2	1,854	-	0	1,858	60
Methyl Tertiary Butyl Ether (MTBE) .....	0	0	874	-	0	874	28
Other Oxygenates .....	2	2	979	-	0	983	32
Renewable Fuels (including Fuel Ethanol) ...	69	450	2,299	-	302	3,119	101
Fuel Ethanol .....	62	439	2,264	-	283	3,048	98
Biodiesel .....	7	11	35	-	19	72	2
Other Renewable Diesel .....	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	21	1,118	9,273	2	17	10,431	336
Naphthas and Lighter .....	10	1,108	9,103	-	14	10,236	330
Kerosene and Light Gas Oils .....	11	10	170	2	3	195	6
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	2	101	2,893	0	224	3,220	104
Reformulated .....	1	-	6	-	1	8	0
Conventional .....	2	101	2,887	0	223	3,213	104
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>2,416</b>	<b>768</b>	<b>89,297</b>	<b>16</b>	<b>11,524</b>	<b>104,022</b>	<b>3,356</b>
Finished Motor Gasoline .....	306	75	24,627	1	1,822	26,831	866
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	306	75	24,627	1	1,822	26,831	866
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	544	49	6,580	-	714	7,887	254
Kerosene .....	31	1	151	-	3	186	6
Distillate Fuel Oil .....	175	108	34,687	0	3,759	38,729	1,249
15 ppm sulfur and under .....	10	0	27,750	0	2,760	30,521	985
Greater than 15 ppm to 500 ppm sulfur .....	165	57	2,886	-	796	3,904	126
Greater than 500 ppm sulfur .....	0	51	4,051	-	202	4,304	139
Residual Fuel Oil .....	491	196	6,250	7	708	7,652	247
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	-	-	-	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	190	169	2,402	8	411	3,180	103
Waxes .....	57	44	28	0	3	133	4
Petroleum Coke .....	576	40	14,090	-	3,926	18,632	601
Asphalt and Road Oil .....	36	82	458	0	178	754	24
Miscellaneous Products .....	10	5	24	-	0	39	1
<b>Total</b> .....	<b>6,098</b>	<b>13,943</b>	<b>218,086</b>	<b>83</b>	<b>13,002</b>	<b>251,213</b>	<b>8,104</b>

- = No Data Reported.

<sup>1</sup> 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, January 2019**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	0	—	286	—	506	506	—	—	—
Australia .....	—	8	—	0	—	0	0	1	—	1
Bahamas .....	—	71	—	0	—	66	66	—	0	0
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	108	—	334	—	—	—	—	0	0
Belize .....	—	—	—	—	—	—	—	—	0	0
Brazil .....	494	1,228	—	1,027	—	1,554	1,554	—	424	424
Canada .....	13,446	6,158	—	1,132	—	748	748	—	785	785
Cayman Islands .....	—	0	—	—	—	42	42	—	—	—
Chile .....	410	260	—	9	—	306	306	—	—	—
China .....	—	1,338	—	1,454	—	—	—	—	—	—
Colombia .....	525	2	—	1,080	—	656	656	—	319	319
Costa Rica .....	—	53	—	2	—	600	600	—	—	—
Denmark .....	—	0	—	—	—	—	—	—	0	0
Dominican Republic .....	520	2,326	—	362	—	543	543	0	—	0
Ecuador .....	—	1,032	—	11	—	1,095	1,095	—	265	265
Egypt .....	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	216	—	1	—	255	255	0	0	1
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	2,206	810	—	0	—	—	—	—	—	—
Germany .....	2,293	0	—	5	—	—	—	—	0	0
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	443	—	1	—	848	848	—	—	—
Honduras .....	—	229	—	1	—	1,293	1,293	—	382	382
Hong Kong .....	—	0	—	—	—	—	—	—	—	—
India .....	6,670	4,085	—	—	—	—	—	—	—	—
Indonesia .....	—	1,098	—	0	—	—	—	—	—	—
Ireland .....	1,260	—	—	—	—	—	—	—	—	—
Israel .....	—	—	—	0	—	—	—	—	—	—
Italy .....	4,627	—	—	—	—	—	—	—	—	—
Jamaica .....	—	41	—	—	—	379	379	—	—	—
Japan .....	2,994	14,001	—	765	—	0	0	0	—	0
Korea, South .....	6,612	2,254	—	0	—	1	1	0	—	0
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	4,183	—	127	—	14,861	14,861	6	931	937
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	421	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	15,317	31	—	932	—	200	200	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	1	—	—	—	0	0	—	—	—
Nicaragua .....	346	—	—	—	—	158	158	—	—	—
Nigeria .....	—	—	—	0	—	—	—	—	—	—
Norway .....	1,248	1,290	—	60	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	590	1	—	1	—	578	578	—	0	0
Peru .....	394	224	—	4	—	703	703	—	56	56
Philippines .....	—	—	—	0	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	11	—	2	—	1	1	—	—	—
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	0	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	551	—	275	—	—	—	—	50	50
South Africa .....	325	—	—	0	—	—	—	0	—	0
Spain .....	700	1,485	—	—	—	—	—	—	—	—
Switzerland .....	—	288	—	0	—	—	—	—	—	—
Taiwan .....	3,215	1,127	—	329	—	—	—	—	0	0
Thailand .....	5,246	0	—	0	—	—	—	—	—	—
Trinidad and Tobago .....	—	0	—	0	—	—	—	—	—	—
Turkey .....	—	300	—	0	—	—	—	—	—	—
United Arab Emirates .....	471	0	—	0	—	0	0	—	—	—
United Kingdom .....	8,540	1,417	—	0	—	0	0	—	—	—
Venezuela .....	—	260	—	2,039	—	901	901	0	—	0
Other .....	1,381	1,381	—	192	—	537	537	1	1	—
<b>Total .....</b>	<b>79,830</b>	<b>48,732</b>	<b>—</b>	<b>10,431</b>	<b>—</b>	<b>26,831</b>	<b>26,831</b>	<b>8</b>	<b>3,213</b>	<b>3,220</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2019**  
(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 .....	—	—	—	—	—	—	530	—	3	—	533
Australia .....	—	—	0	—	—	—	—	—	—	—	—
Bahamas .....	—	0	0	—	—	—	43	—	204	—	247
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	7	—	—	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	0	36	—	—	36
Brazil .....	—	—	917	—	—	—	5,248	80	871	—	6,198
Canada .....	—	0	476	30	—	—	0	716	53	—	769
Cayman Islands .....	—	—	—	—	—	—	112	—	—	—	112
Chile .....	208	—	1	—	—	—	2,373	—	—	—	2,373
China .....	0	0	0	—	—	—	1	—	—	—	1
Colombia .....	—	—	226	—	—	—	2,297	—	—	—	2,297
Costa Rica .....	—	0	0	—	—	—	696	—	—	—	696
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	0	—	—	—	220	246	6	—	472
Ecuador .....	—	0	0	—	—	—	266	277	—	—	543
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	—	—	—	2	242	—	—	244
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	0	31	—	—	—	1,734	294	—	—	2,028
Germany .....	—	0	—	1	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	947	—	947
Greece .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	222	438	79	—	739
Honduras .....	—	0	—	—	—	—	526	262	148	—	936
Hong Kong .....	—	0	0	0	—	—	—	—	—	—	—
India .....	0	—	476	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Ireland .....	—	—	0	—	—	—	—	—	—	—	—
Israel .....	—	0	—	—	—	—	—	—	—	—	—
Italy .....	—	—	0	—	—	—	—	—	—	—	—
Jamaica .....	—	—	90	—	—	—	68	—	100	—	168
Japan .....	—	980	44	—	—	—	—	—	—	—	—
Korea, South .....	—	0	321	—	—	—	3	—	—	—	3
Lebanon .....	—	—	—	—	—	—	0	—	—	—	0
Mexico .....	400	1	96	3	—	—	8,961	146	289	—	9,396
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	0	54	32	—	—	1,183	—	480	—	1,662
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	—	—	—	—	—
Nicaragua .....	—	—	—	—	—	—	0	137	210	—	347
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	50	—	—	—	79	—	—	—	79
Pakistan .....	—	—	—	—	—	—	—	—	—	—	—
Panama .....	—	—	0	—	—	—	899	355	150	—	1,404
Peru .....	—	—	88	0	—	—	2,529	—	—	—	2,529
Philippines .....	—	0	156	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	0	1	—	—	—	0	—	—	—	0
Romania .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	1	16	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	0	0	—	—	0	50	200	—	250
South Africa .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Switzerland .....	—	—	2	5	—	—	—	—	—	—	—
Taiwan .....	—	0	0	—	—	—	—	—	—	—	—
Thailand .....	—	0	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	0	—	—	—	—	271	—	—	271
Turkey .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	0	—	—	—	—	1,266	—	—	—	1,266
Venezuela .....	259	—	—	—	—	—	275	—	—	—	275
Other .....	—	1	3	1	—	—	988	354	564	—	1,908
<b>Total .....</b>	<b>874</b>	<b>983</b>	<b>3,048</b>	<b>72</b>	<b>—</b>	<b>—</b>	<b>30,521</b>	<b>3,904</b>	<b>4,304</b>	<b>—</b>	<b>38,729</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2019**  
(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 .....	—	—	—	76	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	58	—	879	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	12	—	—	—	—
Brazil .....	—	—	—	330	—	32	—	—
Canada .....	34	—	—	1,650	—	1,015	—	—
Cayman Islands .....	—	—	—	20	—	—	—	—
Chile .....	1	—	—	312	—	0	—	—
China .....	—	—	—	0	—	0	—	—
Colombia .....	—	—	—	177	—	—	—	—
Costa Rica .....	0	—	—	219	—	0	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	0	—	—	251	—	247	—	—
Ecuador .....	0	—	—	—	—	427	—	—
Egypt .....	—	—	—	—	—	—	—	—
El Salvador .....	0	—	—	98	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	100	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	0	—	—	146	—	—	—	—
Honduras .....	0	—	—	115	—	283	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	66	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	0	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	0	—	—	125	—	500	—	—
Japan .....	0	—	—	0	—	—	—	—
Korea, South .....	—	—	—	0	—	—	—	—
Lebanon .....	—	—	—	—	—	409	—	—
Mexico .....	144	—	—	1,856	—	1,402	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	782	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	0	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	607	—	943	—	—
Peru .....	—	—	—	398	—	—	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	—	—	—	0	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	—	—	190	—	—
South Africa .....	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	0	—	—
Thailand .....	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	0	—	—	468	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	0	—	—	—	—	—	—	—
United Kingdom .....	0	—	—	—	—	—	—	—
Venezuela .....	—	—	—	11	—	—	—	—
Other .....	7	—	—	958	—	377	—	—
<b>Total .....</b>	<b>186</b>	<b>—</b>	<b>—</b>	<b>7,887</b>	<b>—</b>	<b>7,652</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, January 2019**  
(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	—	—	33	—	1,435	1,435	—	46	46
Australia .....	0	218	0	4	—	233	233	—	8	8
Bahamas .....	—	—	1	1	—	1,324	1,324	—	43	43
Bahrain .....	0	—	—	0	—	0	0	—	0	0
Belgium .....	0	438	—	591	1	1,478	1,478	—	48	48
Belize .....	—	—	—	1	—	49	49	—	2	2
Brazil .....	1	1,960	—	233	0	13,906	14,400	16	449	465
Canada .....	94	313	107	233	7	13,552	26,998	434	437	871
Cayman Islands .....	—	—	1	2	—	177	177	—	6	6
Chile .....	0	0	96	90	—	3,657	4,067	13	118	131
China .....	1	1,727	0	24	0	4,546	4,546	—	147	147
Colombia .....	0	—	0	70	1	4,826	5,351	17	156	173
Costa Rica .....	0	—	18	16	—	1,605	1,605	—	52	52
Denmark .....	—	345	—	—	—	345	345	—	11	11
Dominican Republic .....	0	354	6	12	0	4,573	5,093	17	148	164
Ecuador .....	—	405	—	29	—	3,809	3,809	—	123	123
Egypt .....	—	549	—	54	—	602	602	—	19	19
El Salvador .....	—	180	—	31	—	1,025	1,025	—	33	33
Finland .....	—	293	—	1	—	294	294	—	9	9
France .....	0	16	—	1	—	2,886	5,092	71	93	164
Germany .....	2	275	1	3	0	288	2,581	74	9	83
Ghana .....	—	—	0	0	—	0	0	—	0	0
Gibraltar .....	—	—	—	—	—	1,048	1,048	—	34	34
Greece .....	—	212	—	0	—	212	212	—	7	7
Guatemala .....	0	157	—	19	—	2,353	2,353	—	76	76
Honduras .....	0	274	—	10	—	3,522	3,522	—	114	114
Hong Kong .....	0	—	—	1	0	2	2	—	0	0
India .....	1	2,502	1	23	—	7,155	13,825	215	231	446
Indonesia .....	0	—	2	1	—	1,102	1,102	—	36	36
Ireland .....	—	0	—	—	—	0	1,260	41	0	41
Israel .....	0	0	—	1	—	2	2	—	0	0
Italy .....	0	833	0	0	—	834	5,461	149	27	176
Jamaica .....	—	—	—	4	—	1,307	1,307	—	42	42
Japan .....	13	1,194	1	5	4	17,007	20,001	97	549	645
Korea, South .....	0	387	0	2	0	2,970	9,581	213	96	309
Lebanon .....	—	134	—	0	—	543	543	—	18	18
Mexico .....	14	1,920	308	1,121	24	36,793	36,793	—	1,187	1,187
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	440	1	0	—	862	862	—	28	28
Mozambique .....	—	69	—	—	—	69	69	—	2	2
Netherlands .....	2	147	1	42	0	3,885	19,201	494	125	619
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	0	—	—	1	—	2	2	—	0	0
Nicaragua .....	—	—	—	4	—	509	855	11	16	28
Nigeria .....	—	—	—	162	—	162	162	—	5	5
Norway .....	—	80	—	0	—	1,559	2,808	40	50	91
Pakistan .....	0	0	—	0	—	0	0	—	0	0
Panama .....	—	—	29	11	—	3,573	4,163	19	115	134
Peru .....	—	368	—	55	0	4,425	4,820	13	143	155
Philippines .....	0	0	—	2	—	159	159	—	5	5
Portugal .....	0	1	—	0	—	1	1	—	0	0
Puerto Rico .....	—	—	0	13	—	28	28	—	1	1
Romania .....	—	—	—	0	—	0	0	—	0	0
Saudi Arabia .....	0	91	0	7	—	115	115	—	4	4
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	144	38	—	1,499	1,499	—	48	48
South Africa .....	0	70	0	51	—	121	446	10	4	14
Spain .....	1	513	—	3	0	2,002	2,702	23	65	87
Switzerland .....	—	—	—	0	—	295	295	—	10	10
Taiwan .....	0	—	0	5	0	1,462	4,677	104	47	151
Thailand .....	0	—	0	9	0	10	5,255	169	0	170
Trinidad and Tobago .....	—	—	—	20	0	759	759	—	24	24
Turkey .....	0	777	—	26	—	1,104	1,104	—	36	36
United Arab Emirates .....	—	110	—	38	—	149	619	15	5	20
United Kingdom .....	0	105	—	1	0	2,790	11,330	275	90	365
Venezuela .....	—	11	—	2	—	3,759	3,759	—	121	121
Other .....	4	1,164	37	74	2	6,624	8,007	45	210	257
<b>Total .....</b>	<b>133</b>	<b>18,632</b>	<b>754</b>	<b>3,180</b>	<b>39</b>	<b>171,383</b>	<b>251,213</b>	<b>2,575</b>	<b>5,528</b>	<b>8,104</b>

— = No Data Reported.

<sup>1</sup> 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-January 2019**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	0	—	286	—	506	506	—	—	—
Australia .....	—	8	—	0	—	0	0	1	—	1
Bahamas .....	—	71	—	0	—	66	66	—	0	0
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	108	—	334	—	—	—	—	0	0
Belize .....	—	—	—	—	—	—	—	—	0	0
Brazil .....	494	1,228	—	1,027	—	1,554	1,554	—	424	424
Canada .....	13,446	6,158	—	1,132	—	748	748	—	785	785
Cayman Islands .....	—	0	—	—	—	42	42	—	—	—
Chile .....	410	260	—	9	—	306	306	—	—	—
China .....	—	1,338	—	1,454	—	—	—	—	—	—
Colombia .....	525	2	—	1,080	—	656	656	—	319	319
Costa Rica .....	—	53	—	2	—	600	600	—	—	—
Denmark .....	—	0	—	—	—	—	—	—	0	0
Dominican Republic .....	520	2,326	—	362	—	543	543	0	—	0
Ecuador .....	—	1,032	—	11	—	1,095	1,095	—	265	265
Egypt .....	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	216	—	1	—	255	255	0	0	1
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	2,206	810	—	0	—	—	—	—	—	—
Germany .....	2,293	0	—	5	—	—	—	—	0	0
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	443	—	1	—	848	848	—	—	—
Honduras .....	—	229	—	1	—	1,293	1,293	—	382	382
Hong Kong .....	—	0	—	—	—	—	—	—	—	—
India .....	6,670	4,085	—	—	—	—	—	—	—	—
Indonesia .....	—	1,098	—	0	—	—	—	—	—	—
Ireland .....	1,260	—	—	—	—	—	—	—	—	—
Israel .....	—	—	—	0	—	—	—	—	—	—
Italy .....	4,627	—	—	—	—	—	—	—	—	—
Jamaica .....	—	41	—	—	—	379	379	—	—	—
Japan .....	2,994	14,001	—	765	—	0	0	0	—	0
Korea, South .....	6,612	2,254	—	0	—	1	1	0	—	0
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	4,183	—	127	—	14,861	14,861	6	931	937
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	421	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	15,317	31	—	932	—	200	200	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	1	—	—	—	0	0	—	—	—
Nicaragua .....	346	—	—	—	—	158	158	—	—	—
Nigeria .....	—	—	—	0	—	—	—	—	—	—
Norway .....	1,248	1,290	—	60	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	590	1	—	1	—	578	578	—	0	0
Peru .....	394	224	—	4	—	703	703	—	56	56
Philippines .....	—	—	—	0	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	11	—	2	—	1	1	—	—	—
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	0	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	551	—	275	—	—	—	—	50	50
South Africa .....	325	—	—	0	—	—	—	0	—	0
Spain .....	700	1,485	—	—	—	—	—	—	—	—
Switzerland .....	—	288	—	0	—	—	—	—	—	—
Taiwan .....	3,215	1,127	—	329	—	—	—	—	0	0
Thailand .....	5,246	0	—	0	—	—	—	—	—	—
Trinidad and Tobago .....	—	0	—	0	—	—	—	—	—	—
Turkey .....	—	300	—	0	—	—	—	—	—	—
United Arab Emirates .....	471	0	—	0	—	0	0	—	—	—
United Kingdom .....	8,540	1,417	—	0	—	0	0	—	—	—
Venezuela .....	—	260	—	2,039	—	901	901	0	—	0
Other .....	1,381	1,381	—	192	—	537	537	1	1	—
<b>Total .....</b>	<b>79,830</b>	<b>48,732</b>	<b>—</b>	<b>10,431</b>	<b>—</b>	<b>26,831</b>	<b>26,831</b>	<b>8</b>	<b>3,213</b>	<b>3,220</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2019**  
(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 .....	—	—	—	—	—	—	530	—	3	—	533
Australia .....	—	—	0	—	—	—	—	—	—	—	—
Bahamas .....	—	0	0	—	—	—	43	—	204	—	247
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	7	—	—	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	0	36	—	—	36
Brazil .....	—	—	917	—	—	—	5,248	80	871	—	6,198
Canada .....	—	0	476	30	—	—	0	716	53	—	769
Cayman Islands .....	—	—	—	—	—	—	112	—	—	—	112
Chile .....	208	—	1	—	—	—	2,373	—	—	—	2,373
China .....	0	0	0	—	—	—	1	—	—	—	1
Colombia .....	—	—	226	—	—	—	2,297	—	—	—	2,297
Costa Rica .....	—	0	0	—	—	—	696	—	—	—	696
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	0	—	—	—	220	246	6	—	472
Ecuador .....	—	0	0	—	—	—	266	277	—	—	543
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	—	—	—	2	242	—	—	244
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	0	31	—	—	—	1,734	294	—	—	2,028
Germany .....	—	0	—	1	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	947	—	947
Greece .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	222	438	79	—	739
Honduras .....	—	0	—	—	—	—	526	262	148	—	936
Hong Kong .....	—	0	0	0	—	—	—	—	—	—	—
India .....	0	—	476	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Ireland .....	—	—	0	—	—	—	—	—	—	—	—
Israel .....	—	0	—	—	—	—	—	—	—	—	—
Italy .....	—	—	0	—	—	—	—	—	—	—	—
Jamaica .....	—	—	90	—	—	—	68	—	100	—	168
Japan .....	—	980	44	—	—	—	—	—	—	—	—
Korea, South .....	—	0	321	—	—	—	3	—	—	—	3
Lebanon .....	—	—	—	—	—	—	0	—	—	—	0
Mexico .....	400	1	96	3	—	—	8,961	146	289	—	9,396
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	0	54	32	—	—	1,183	—	480	—	1,662
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	—	—	—	—	—
Nicaragua .....	—	—	—	—	—	—	0	137	210	—	347
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	50	—	—	—	79	—	—	—	79
Pakistan .....	—	—	—	—	—	—	—	—	—	—	—
Panama .....	—	—	0	—	—	—	899	355	150	—	1,404
Peru .....	—	—	88	0	—	—	2,529	—	—	—	2,529
Philippines .....	—	0	156	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	0	1	—	—	—	0	—	—	—	0
Romania .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	1	16	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	0	0	—	—	0	50	200	—	250
South Africa .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Switzerland .....	—	—	2	5	—	—	—	—	—	—	—
Taiwan .....	—	0	0	—	—	—	—	—	—	—	—
Thailand .....	—	0	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	0	—	—	—	—	271	—	—	271
Turkey .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	0	—	—	—	—	1,266	—	—	—	1,266
Venezuela .....	259	—	—	—	—	—	275	—	—	—	275
Other .....	—	1	3	1	—	—	988	354	564	—	1,908
<b>Total .....</b>	<b>874</b>	<b>983</b>	<b>3,048</b>	<b>72</b>	<b>—</b>	<b>—</b>	<b>30,521</b>	<b>3,904</b>	<b>4,304</b>	<b>—</b>	<b>38,729</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2019**  
(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 .....	—	—	—	76	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	58	—	879	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	12	—	—	—	—
Brazil .....	—	—	—	330	—	32	—	—
Canada .....	34	—	—	1,650	—	1,015	—	—
Cayman Islands .....	—	—	—	20	—	—	—	—
Chile .....	1	—	—	312	—	0	—	—
China .....	—	—	—	0	—	0	—	—
Colombia .....	—	—	—	177	—	—	—	—
Costa Rica .....	0	—	—	219	—	0	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	0	—	—	251	—	247	—	—
Ecuador .....	0	—	—	—	—	427	—	—
Egypt .....	—	—	—	—	—	—	—	—
El Salvador .....	0	—	—	98	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	100	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	0	—	—	146	—	—	—	—
Honduras .....	0	—	—	115	—	283	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	66	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	0	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	0	—	—	125	—	500	—	—
Japan .....	0	—	—	0	—	—	—	—
Korea, South .....	—	—	—	0	—	—	—	—
Lebanon .....	—	—	—	—	—	409	—	—
Mexico .....	144	—	—	1,856	—	1,402	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	782	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	0	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	607	—	943	—	—
Peru .....	—	—	—	398	—	—	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	—	—	—	0	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	—	—	190	—	—
South Africa .....	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	0	—	—
Thailand .....	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	0	—	—	468	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	0	—	—	—	—	—	—	—
United Kingdom .....	0	—	—	—	—	—	—	—
Venezuela .....	—	—	—	11	—	—	—	—
Other .....	7	—	—	958	—	377	—	—
<b>Total .....</b>	<b>186</b>	<b>—</b>	<b>—</b>	<b>7,887</b>	<b>—</b>	<b>7,652</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-January 2019**  
(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	—	—	33	—	1,435	1,435	—	46	46
Australia .....	0	218	0	4	—	233	233	—	8	8
Bahamas .....	—	—	1	1	—	1,324	1,324	—	43	43
Bahrain .....	0	—	—	0	—	0	0	—	0	0
Belgium .....	0	438	—	591	1	1,478	1,478	—	48	48
Belize .....	—	—	—	1	—	49	49	—	2	2
Brazil .....	1	1,960	—	233	0	13,906	14,400	16	449	465
Canada .....	94	313	107	233	7	13,552	26,998	434	437	871
Cayman Islands .....	—	—	1	2	—	177	177	—	6	6
Chile .....	0	0	96	90	—	3,657	4,067	13	118	131
China .....	1	1,727	0	24	0	4,546	4,546	—	147	147
Colombia .....	0	—	0	70	1	4,826	5,351	17	156	173
Costa Rica .....	0	—	18	16	—	1,605	1,605	—	52	52
Denmark .....	—	345	—	—	—	345	345	—	11	11
Dominican Republic .....	0	354	6	12	0	4,573	5,093	17	148	164
Ecuador .....	—	405	—	29	—	3,809	3,809	—	123	123
Egypt .....	—	549	—	54	—	602	602	—	19	19
El Salvador .....	—	180	—	31	—	1,025	1,025	—	33	33
Finland .....	—	293	—	1	—	294	294	—	9	9
France .....	0	16	—	1	—	2,886	5,092	71	93	164
Germany .....	2	275	1	3	0	288	2,581	74	9	83
Ghana .....	—	—	0	0	—	0	0	—	0	0
Gibraltar .....	—	—	—	—	—	1,048	1,048	—	34	34
Greece .....	—	212	—	0	—	212	212	—	7	7
Guatemala .....	0	157	—	19	—	2,353	2,353	—	76	76
Honduras .....	0	274	—	10	—	3,522	3,522	—	114	114
Hong Kong .....	0	—	—	1	0	2	2	—	0	0
India .....	1	2,502	1	23	—	7,155	13,825	215	231	446
Indonesia .....	0	—	2	1	—	1,102	1,102	—	36	36
Ireland .....	—	0	—	—	—	0	1,260	41	0	41
Israel .....	0	0	—	1	—	2	2	—	0	0
Italy .....	0	833	0	0	—	834	5,461	149	27	176
Jamaica .....	—	—	—	4	—	1,307	1,307	—	42	42
Japan .....	13	1,194	1	5	4	17,007	20,001	97	549	645
Korea, South .....	0	387	0	2	0	2,970	9,581	213	96	309
Lebanon .....	—	134	—	0	—	543	543	—	18	18
Mexico .....	14	1,920	308	1,121	24	36,793	36,793	—	1,187	1,187
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	440	1	0	—	862	862	—	28	28
Mozambique .....	—	69	—	—	—	69	69	—	2	2
Netherlands .....	2	147	1	42	0	3,885	19,201	494	125	619
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	0	—	—	1	—	2	2	—	0	0
Nicaragua .....	—	—	—	4	—	509	855	11	16	28
Nigeria .....	—	—	—	162	—	162	162	—	5	5
Norway .....	—	80	—	0	—	1,559	2,808	40	50	91
Pakistan .....	0	0	—	0	—	0	0	—	0	0
Panama .....	—	—	29	11	—	3,573	4,163	19	115	134
Peru .....	—	368	—	55	0	4,425	4,820	13	143	155
Philippines .....	0	0	—	2	—	159	159	—	5	5
Portugal .....	0	1	—	0	—	1	1	—	0	0
Puerto Rico .....	—	—	0	13	—	28	28	—	1	1
Romania .....	—	—	—	0	—	0	0	—	0	0
Saudi Arabia .....	0	91	0	7	—	115	115	—	4	4
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	144	38	—	1,499	1,499	—	48	48
South Africa .....	0	70	0	51	—	121	446	10	4	14
Spain .....	1	513	—	3	0	2,002	2,702	23	65	87
Switzerland .....	—	—	—	0	—	295	295	—	10	10
Taiwan .....	0	—	0	5	0	1,462	4,677	104	47	151
Thailand .....	0	—	0	9	0	10	5,255	169	0	170
Trinidad and Tobago .....	—	—	—	20	0	759	759	—	24	24
Turkey .....	0	777	—	26	—	1,104	1,104	—	36	36
United Arab Emirates .....	—	110	—	38	—	149	619	15	5	20
United Kingdom .....	0	105	—	1	0	2,790	11,330	275	90	365
Venezuela .....	—	11	—	2	—	3,759	3,759	—	121	121
Other .....	4	1,164	37	74	2	6,624	8,007	45	210	257
<b>Total .....</b>	<b>133</b>	<b>18,632</b>	<b>754</b>	<b>3,180</b>	<b>39</b>	<b>171,383</b>	<b>251,213</b>	<b>2,575</b>	<b>5,528</b>	<b>8,104</b>

— = No Data Reported.

<sup>1</sup> 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, January 2019**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>2,259</b>	<b>-42</b>	<b>-</b>	<b>53</b>	<b>-</b>	<b>-64</b>	<b>-64</b>	<b>0</b>	<b>41</b>	<b>41</b>
Algeria .....	21	-	-	77	-	-	-	-	-	-
Angola .....	8	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	58	-	-	-	-	-	-	-	-	-
Ecuador .....	238	-33	-	0	-	-35	-35	-	-9	-9
Equatorial Guinea .....	21	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	428	-	-	0	-	-	-	-	-	-
Kuwait .....	18	-	-	-	-	-	-	-	-	-
Libya .....	53	-	-	7	-	-	-	-	-	-
Nigeria .....	157	-	-	5	-	-	-	-	15	15
Saudi Arabia .....	711	-	-	8	-	-	-	-	12	12
United Arab Emirates .....	-15	0	-	21	-	0	0	-	-	-
Venezuela .....	561	-8	-	-64	-	-29	-29	0	24	24
<b>Non-OPEC</b> .....	<b>2,686</b>	<b>-1,257</b>	<b>17</b>	<b>187</b>	<b>-</b>	<b>-756</b>	<b>-756</b>	<b>182</b>	<b>194</b>	<b>376</b>
Argentina .....	66	2	-	-9	-	-16	-16	-	10	10
Aruba .....	-	-2	-	-	-	0	0	-	-	-
Australia .....	-	0	-	0	-	0	0	0	-	0
Bahamas .....	-	-2	-	0	-	-2	-2	-	0	0
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-3	-	59	-	-	-	-	0	0
Brazil .....	49	-40	-	-27	-	-50	-50	-	54	54
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	3,526	59	17	-26	-	-5	-5	92	26	118
Chad .....	15	-	-	-	-	-	-	-	-	-
China .....	-	-43	-	-47	-	-	-	-	-	-
Colombia .....	337	0	-	-35	-	-21	-21	-	-3	-3
Denmark .....	-	0	-	-	-	-	-	-	0	0
Dominican Republic .....	-17	-75	-	-12	-	-18	-18	0	-	0
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	11	11
France .....	-71	-26	-	3	-	10	10	-	19	19
Germany .....	-74	0	-	13	-	-	-	-	1	1
Guatemala .....	-	-14	-	0	-	-27	-27	-	-	-
Honduras .....	-	-7	-	0	-	-42	-42	-	-12	-12
India .....	-215	-132	-	5	-	-	-	-	0	0
Indonesia .....	-	-35	-	0	-	-	-	-	17	17
Italy .....	-149	-	-	7	-	-	-	-	10	10
Japan .....	-97	-452	-	-17	-	0	0	0	4	4
Korea, South .....	-213	-73	-	0	-	11	11	0	5	5
Latvia .....	-	-	-	0	-	-	-	-	-	-
Lithuania .....	-21	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	5	-	-	-	-	-	-
Mexico .....	546	-135	-	-4	-	-479	-479	0	-30	-30
Netherlands .....	-494	-1	-	0	-	-6	-6	49	1	50
Norway .....	2	-40	-	43	-	-	-	-	-	-
Oman .....	-	-	-	0	-	-	-	-	-	-
Panama .....	-19	0	-	0	-	-19	-19	-	0	0
Portugal .....	-	-	-	-	-	-	-	-	27	27
Puerto Rico .....	-	0	-	0	-	0	0	-	-	-
Qatar .....	-	-	-	0	-	-	-	-	-	-
Russia .....	106	-	-	184	-	-	-	-	10	10
Spain .....	-23	-48	-	1	-	-	-	-	15	15
Sweden .....	-	-5	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	27	0	-	0	-	-	-	-	-	-
United Kingdom .....	-242	-40	-	19	-	6	6	41	14	55
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-13	-	-	-	0	0	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-353	-132	0	25	-	-98	-98	0	15	15
<b>Total</b> .....	<b>4,945</b>	<b>-1,299</b>	<b>17</b>	<b>240</b>	<b>-</b>	<b>-820</b>	<b>-820</b>	<b>182</b>	<b>235</b>	<b>417</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>1,142</b>	<b>0</b>	<b>-</b>	<b>28</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>12</b>	<b>12</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2019**  
(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	
<b>OPEC</b>	-8	0	-1	-	-	-	20	-9	-	-	12
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	0	-	-	-	-9	-9	-	-	-18
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	4	-	-	-	4
Saudi Arabia	-	0	-1	-	-	-	22	-	-	-	22
United Arab Emirates	-	-	-	-	-	-	3	-	-	-	3
Venezuela	-8	-	-	-	-	-	1	-	-	-	1
<b>Non-OPEC</b>	-18	-30	-98	8	18	-	-711	-107	-136	0	-953
Argentina	1	-	-	-	-	-	-17	-	0	-	-17
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	0	-	-	-	-	-	-	-	-
Bahamas	-	0	0	-	-	-	15	-	-7	-	8
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	0	-	-	-	-	-	-	-	-	-	-
Brazil	-	1	-30	-	-	-	-169	-3	-28	-	-200
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-15	3	-	-	99	-22	1	0	79
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	0	-	-	-	0
Colombia	-	-	-7	-	-	-	-56	-	-	-	-56
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-7	-8	0	-	-15
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-1	2	-	-	-56	-9	-	-	-65
Germany	-	0	-	2	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-7	-14	-3	-	-24
Honduras	-	0	-	-	-	-	-17	-8	-5	-	-30
India	0	-	-15	-	-	-	84	-	-	-	84
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	0	-	-	-	-	-	-	-	-
Japan	-	-32	-1	-	-	-	-	-	-	-	-
Korea, South	-	0	-10	1	-	-	3	-	-	-	3
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	0	-	-	-	0	-	-	-	0
Mexico	-13	0	-3	0	-	-	-289	-5	-9	-	-303
Netherlands	-	0	-2	-1	-	-	-38	-	-15	-	-54
Norway	-	-	-2	-	-	-	-3	-	-	-	-3
Oman	-	-	0	-	-	-	0	-	-	-	0
Panama	-	-	0	-	-	-	-29	-11	-5	-	-45
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	0	-	-	-	0
Qatar	-	-	-	-	-	-	34	-	-	-	34
Russia	-	0	-	-	-	-	3	9	-	-	12
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	0	-	-	-	-	-9	-	-	-9
United Kingdom	-	0	-	-	-	-	-41	-	-	-	-41
Vietnam	-	0	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-10	-	-	-	-10
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-6	1	-12	1	18	-	-210	-27	-65	0	-301
<b>Total</b>	-27	-30	-98	8	18	-	-690	-116	-136	0	-941
<b>Persian Gulf<sup>2</sup></b>	-	0	-1	-	-	-	59	-	-	-	59

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2019**  
(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
<b>OPEC</b> .....	<b>0</b>	-	-	<b>9</b>	-	<b>34</b>	-	-
Algeria .....	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-
Ecuador .....	0	-	-	-	-	-14	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	1	-	-	-	-
Kuwait .....	-	-	-	3	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	1	-	-	-	-
Saudi Arabia .....	-	-	-	2	-	16	-	-
United Arab Emirates .....	0	-	-	-	-	-	-	-
Venezuela .....	-	-	-	3	-	31	-	-
<b>Non-OPEC</b> .....	<b>-6</b>	<b>2</b>	-	<b>-163</b>	<b>5</b>	<b>-93</b>	<b>11</b>	<b>4</b>
Argentina .....	-	-	-	-2	-	14	-	-
Aruba .....	0	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-2	-	-24	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-10	2	-1	-	0
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	-1	0	-	-37	0	19	3	2
Chad .....	-	-	-	-	-	-	-	-
China .....	-	-	-	8	-	0	-	-
Colombia .....	-	-	-	-6	-	1	-	-
Denmark .....	-	-	-	-	-	-	-	-
Dominican Republic .....	0	-	-	-8	-	-8	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	1
Germany .....	-	-	-	-	-	-	-	-
Guatemala .....	0	-	-	-5	-	-	-	-
Honduras .....	0	-	-	-4	-	-9	-	-
India .....	-	-	-	5	3	-2	-	-
Indonesia .....	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-
Japan .....	0	-	-	11	-	-	1	-
Korea, South .....	-	-	-	41	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	0	-	-	-	-	-	-	-
Mexico .....	-5	-	-	-60	-	-27	4	-
Netherlands .....	-	2	-	-	-	-7	-	-
Norway .....	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-
Panama .....	0	-	-	-20	-	-30	-	-
Portugal .....	-	-	-	-	-	-	-	-
Puerto Rico .....	-	-	-	0	-	-	-	-
Qatar .....	0	-	-	5	-	-	-	-
Russia .....	-	-	-	-	-	9	-	-
Spain .....	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	0	-	-	-15	-	-	-	-
United Kingdom .....	0	-	-	-	-	-	2	-
Vietnam .....	-	-	-	0	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-15	-	-4	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	0	0	-	-49	0	-24	1	1
<b>Total</b> .....	<b>-6</b>	<b>2</b>	-	<b>-154</b>	<b>5</b>	<b>-59</b>	<b>11</b>	<b>4</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>0</b>	-	-	<b>11</b>	-	<b>16</b>	-	-

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, January 2019**  
(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
<b>OPEC</b> .....	<b>0</b>	<b>-20</b>	<b>1</b>	<b>-4</b>	<b>-</b>	<b>10</b>	<b>2,269</b>
Algeria .....	-	-	-	0	-	77	98
Angola .....	-	-	-	-	-	-	8
Congo (Brazzaville) .....	-	-	-	-	-	-	58
Ecuador .....	-	-13	-	-1	-	-123	115
Equatorial Guinea .....	-	-	-	-	-	-	21
Gabon .....	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-
Iraq .....	-	-	-	0	-	1	429
Kuwait .....	-	0	0	0	-	3	21
Libya .....	-	-	-	0	-	7	60
Nigeria .....	-	-	-	-5	-	19	176
Saudi Arabia .....	0	-3	0	0	-	56	767
United Arab Emirates .....	-	-4	-	2	-	22	7
Venezuela .....	-	0	1	0	-	-51	510
<b>Non-OPEC</b> .....	<b>1</b>	<b>-575</b>	<b>6</b>	<b>-52</b>	<b>-1</b>	<b>-3,366</b>	<b>-680</b>
Argentina .....	0	4	-	-1	-	-15	50
Aruba .....	-	-	-	0	-	-2	-2
Australia .....	0	-7	0	0	-	-8	-8
Bahamas .....	-	-	0	0	-	-23	-23
Bahrain .....	0	-	-	5	-	5	5
Belgium .....	0	-14	-	-19	0	23	23
Brazil .....	0	-63	-	-8	0	-371	-322
Brunei .....	-	-	-	0	-	0	0
Cameroon .....	-	-	-	0	-	0	0
Canada .....	-2	-8	26	0	0	231	3,757
Chad .....	-	-	-	-	-	-	15
China .....	3	-56	0	-1	0	-136	-136
Colombia .....	0	-	0	-2	0	-130	207
Denmark .....	-	-11	-	-	-	-11	-11
Dominican Republic .....	0	-11	0	0	0	-148	-164
Estonia .....	-	-	-	0	-	0	0
Finland .....	-	-9	-	0	-	2	2
France .....	0	-1	-	0	-	-57	-128
Germany .....	0	-9	0	0	0	7	-66
Guatemala .....	0	-5	-	-1	-	-76	-76
Honduras .....	0	-9	-	0	-	-114	-114
India .....	0	-81	0	-1	-	-134	-349
Indonesia .....	0	-	0	4	-	-15	-15
Italy .....	0	-27	0	0	-	-9	-159
Japan .....	0	-39	0	0	0	-524	-621
Korea, South .....	0	-12	0	18	0	-17	-231
Latvia .....	-	-	-	-	-	0	0
Lithuania .....	-	-	-	0	-	0	-21
Malaysia .....	0	-9	0	0	0	-3	-3
Mexico .....	0	-62	-10	-36	-1	-1,164	-618
Netherlands .....	0	-5	0	-1	0	-25	-519
Norway .....	-	-3	-	0	-	-4	-2
Oman .....	-	-	-	0	-	0	0
Panama .....	-	-	-1	0	-	-115	-134
Portugal .....	0	0	-	0	-	27	27
Puerto Rico .....	-	-	0	0	-	-1	-1
Qatar .....	-	-	-	6	-	-	46
Russia .....	-	-	0	0	-	215	321
Spain .....	0	-17	1	0	0	-48	-70
Sweden .....	0	-1	-	0	-	-6	-6
Trinidad and Tobago .....	-	-	-	-1	0	-24	3
United Kingdom .....	0	-3	-	1	0	-1	-243
Vietnam .....	0	-	0	0	-	0	0
Virgin Islands, U.S. .....	-	-	0	0	-	-43	-43
Yemen .....	-	-	-	0	-	0	0
Other .....	0	-117	-10	-15	0	-652	-1,051
<b>Total</b> .....	<b>1</b>	<b>-595</b>	<b>7</b>	<b>-56</b>	<b>-1</b>	<b>-3,356</b>	<b>1,589</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>0</b>	<b>-6</b>	<b>0</b>	<b>13</b>	<b>-</b>	<b>132</b>	<b>1,274</b>

- = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> 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-January 2019**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>2,259</b>	<b>-42</b>	<b>-</b>	<b>53</b>	<b>-</b>	<b>-64</b>	<b>-64</b>	<b>0</b>	<b>41</b>	<b>41</b>
Algeria .....	21	-	-	77	-	-	-	-	-	-
Angola .....	8	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	58	-	-	-	-	-	-	-	-	-
Ecuador .....	238	-33	-	0	-	-35	-35	-	-9	-9
Equatorial Guinea .....	21	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	428	-	-	0	-	-	-	-	-	-
Kuwait .....	18	-	-	-	-	-	-	-	-	-
Libya .....	53	-	-	7	-	-	-	-	-	-
Nigeria .....	157	-	-	5	-	-	-	-	15	15
Saudi Arabia .....	711	-	-	8	-	-	-	-	12	12
United Arab Emirates .....	-15	0	-	21	-	0	0	-	-	-
Venezuela .....	561	-8	-	-64	-	-29	-29	0	24	24
<b>Non-OPEC</b> .....	<b>2,686</b>	<b>-1,257</b>	<b>17</b>	<b>187</b>	<b>-</b>	<b>-756</b>	<b>-756</b>	<b>182</b>	<b>194</b>	<b>376</b>
Argentina .....	66	2	-	-9	-	-16	-16	-	10	10
Aruba .....	-	-2	-	-	-	0	0	-	-	-
Australia .....	-	0	-	0	-	0	0	0	-	0
Bahamas .....	-	-2	-	0	-	-2	-2	-	0	0
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-3	-	59	-	-	-	-	0	0
Brazil .....	49	-40	-	-27	-	-50	-50	-	54	54
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	3,526	59	17	-26	-	-5	-5	92	26	118
Chad .....	15	-	-	-	-	-	-	-	-	-
China .....	-	-43	-	-47	-	-	-	-	-	-
Colombia .....	337	0	-	-35	-	-21	-21	-	-3	-3
Denmark .....	-	0	-	-	-	-	-	-	0	0
Dominican Republic .....	-17	-75	-	-12	-	-18	-18	0	-	0
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	11	11
France .....	-71	-26	-	3	-	10	10	-	19	19
Germany .....	-74	0	-	13	-	-	-	-	1	1
Guatemala .....	-	-14	-	0	-	-27	-27	-	-	-
Honduras .....	-	-7	-	0	-	-42	-42	-	-12	-12
India .....	-215	-132	-	5	-	-	-	-	0	0
Indonesia .....	-	-35	-	0	-	-	-	-	17	17
Italy .....	-149	-	-	7	-	-	-	-	10	10
Japan .....	-97	-452	-	-17	-	0	0	0	4	4
Korea, South .....	-213	-73	-	0	-	11	11	0	5	5
Latvia .....	-	-	-	0	-	-	-	-	-	-
Lithuania .....	-21	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	5	-	-	-	-	-	-
Mexico .....	546	-135	-	-4	-	-479	-479	0	-30	-30
Netherlands .....	-494	-1	-	0	-	-6	-6	49	1	50
Norway .....	2	-40	-	43	-	-	-	-	-	-
Oman .....	-	-	-	0	-	-	-	-	-	-
Panama .....	-19	0	-	0	-	-19	-19	-	0	0
Portugal .....	-	-	-	-	-	-	-	-	27	27
Puerto Rico .....	-	0	-	0	-	0	0	-	-	-
Qatar .....	-	-	-	0	-	-	-	-	-	-
Russia .....	106	-	-	184	-	-	-	-	10	10
Spain .....	-23	-48	-	1	-	-	-	-	15	15
Sweden .....	-	-5	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	27	0	-	0	-	-	-	-	-	-
United Kingdom .....	-242	-40	-	19	-	6	6	41	14	55
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. .....	-	-13	-	-	-	0	0	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-353	-132	0	25	-	-98	-98	0	15	15
<b>Total</b> .....	<b>4,945</b>	<b>-1,299</b>	<b>17</b>	<b>240</b>	<b>-</b>	<b>-820</b>	<b>-820</b>	<b>182</b>	<b>235</b>	<b>417</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>1,142</b>	<b>0</b>	<b>-</b>	<b>28</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>12</b>	<b>12</b>

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-January 2019**  
(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	
<b>OPEC</b>	-8	0	-1	-	-	-	20	-9	-	-	12
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	0	-	-	-	-9	-9	-	-	-18
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	4	-	-	-	4
Saudi Arabia	-	0	-1	-	-	-	22	-	-	-	22
United Arab Emirates	-	-	-	-	-	-	3	-	-	-	3
Venezuela	-8	-	-	-	-	-	1	-	-	-	1
<b>Non-OPEC</b>	-18	-30	-98	8	18	-	-711	-107	-136	0	-953
Argentina	1	-	-	-	-	-	-17	-	0	-	-17
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	0	-	-	-	-	-	-	-	-
Bahamas	-	0	0	-	-	-	15	-	-7	-	8
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	0	-	-	-	-	-	-	-	-	-	-
Brazil	-	1	-30	-	-	-	-169	-3	-28	-	-200
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-15	3	-	-	99	-22	1	0	79
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	0	-	-	-	0
Colombia	-	-	-7	-	-	-	-56	-	-	-	-56
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-7	-8	0	-	-15
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-1	2	-	-	-56	-9	-	-	-65
Germany	-	0	-	2	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-7	-14	-3	-	-24
Honduras	-	0	-	-	-	-	-17	-8	-5	-	-30
India	0	-	-15	-	-	-	84	-	-	-	84
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	0	-	-	-	-	-	-	-	-
Japan	-	-32	-1	-	-	-	-	-	-	-	-
Korea, South	-	0	-10	1	-	-	3	-	-	-	3
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	0	-	-	-	0	-	-	-	0
Mexico	-13	0	-3	0	-	-	-289	-5	-9	-	-303
Netherlands	-	0	-2	-1	-	-	-38	-	-15	-	-54
Norway	-	-	-2	-	-	-	-3	-	-	-	-3
Oman	-	-	0	-	-	-	0	-	-	-	0
Panama	-	-	0	-	-	-	-29	-11	-5	-	-45
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	0	-	-	-	0
Qatar	-	-	-	-	-	-	34	-	-	-	34
Russia	-	0	-	-	-	-	3	9	-	-	12
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	0	-	-	-	-	-9	-	-	-9
United Kingdom	-	0	-	-	-	-	-41	-	-	-	-41
Vietnam	-	0	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-10	-	-	-	-10
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-6	1	-12	1	18	-	-210	-27	-65	0	-301
<b>Total</b>	-27	-30	-98	8	18	-	-690	-116	-136	0	-941
<b>Persian Gulf<sup>2</sup></b>	-	0	-1	-	-	-	59	-	-	-	59

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-January 2019**  
(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
<b>OPEC</b> .....	<b>0</b>	-	-	<b>9</b>	-	<b>34</b>	-	-
Algeria .....	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-
Ecuador .....	0	-	-	-	-	-14	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	1	-	-	-	-
Kuwait .....	-	-	-	3	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	1	-	-	-	-
Saudi Arabia .....	-	-	-	2	-	16	-	-
United Arab Emirates .....	0	-	-	-	-	-	-	-
Venezuela .....	-	-	-	3	-	31	-	-
<b>Non-OPEC</b> .....	<b>-6</b>	<b>2</b>	-	<b>-163</b>	<b>5</b>	<b>-93</b>	<b>11</b>	<b>4</b>
Argentina .....	-	-	-	-2	-	14	-	-
Aruba .....	0	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-2	-	-24	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-10	2	-1	-	0
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	-1	0	-	-37	0	19	3	2
Chad .....	-	-	-	-	-	-	-	-
China .....	-	-	-	8	-	0	-	-
Colombia .....	-	-	-	-6	-	1	-	-
Denmark .....	-	-	-	-	-	-	-	-
Dominican Republic .....	0	-	-	-8	-	-8	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	1
Germany .....	-	-	-	-	-	-	-	-
Guatemala .....	0	-	-	-5	-	-	-	-
Honduras .....	0	-	-	-4	-	-9	-	-
India .....	-	-	-	5	3	-2	-	-
Indonesia .....	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-
Japan .....	0	-	-	11	-	-	1	-
Korea, South .....	-	-	-	41	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	0	-	-	-	-	-	-	-
Mexico .....	-5	-	-	-60	-	-27	4	-
Netherlands .....	-	2	-	-	-	-7	-	-
Norway .....	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-
Panama .....	0	-	-	-20	-	-30	-	-
Portugal .....	-	-	-	-	-	-	-	-
Puerto Rico .....	-	-	-	0	-	-	-	-
Qatar .....	0	-	-	5	-	-	-	-
Russia .....	-	-	-	-	-	9	-	-
Spain .....	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	0	-	-	-15	-	-	-	-
United Kingdom .....	0	-	-	-	-	-	2	-
Vietnam .....	-	-	-	0	-	-	-	-
Virgin Islands, U.S. .....	-	-	-	-15	-	-4	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	0	0	-	-49	0	-24	1	1
<b>Total</b> .....	<b>-6</b>	<b>2</b>	-	<b>-154</b>	<b>5</b>	<b>-59</b>	<b>11</b>	<b>4</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>0</b>	-	-	<b>11</b>	-	<b>16</b>	-	-

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-January 2019**  
(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
<b>OPEC</b> .....	<b>0</b>	<b>-20</b>	<b>1</b>	<b>-4</b>	<b>-</b>	<b>10</b>	<b>2,269</b>
Algeria .....	-	-	-	0	-	77	98
Angola .....	-	-	-	-	-	-	8
Congo (Brazzaville) .....	-	-	-	-	-	-	58
Ecuador .....	-	-13	-	-1	-	-123	115
Equatorial Guinea .....	-	-	-	-	-	-	21
Gabon .....	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-
Iraq .....	-	-	-	0	-	1	429
Kuwait .....	-	0	0	0	-	3	21
Libya .....	-	-	-	0	-	7	60
Nigeria .....	-	-	-	-5	-	19	176
Saudi Arabia .....	0	-3	0	0	-	56	767
United Arab Emirates .....	-	-4	-	2	-	22	7
Venezuela .....	-	0	1	0	-	-51	510
<b>Non-OPEC</b> .....	<b>1</b>	<b>-575</b>	<b>6</b>	<b>-52</b>	<b>-1</b>	<b>-3,366</b>	<b>-680</b>
Argentina .....	0	4	-	-1	-	-15	50
Aruba .....	-	-	-	0	-	-2	-2
Australia .....	0	-7	0	0	-	-8	-8
Bahamas .....	-	-	0	0	-	-23	-23
Bahrain .....	0	-	-	5	-	5	5
Belgium .....	0	-14	-	-19	0	23	23
Brazil .....	0	-63	-	-8	0	-371	-322
Brunei .....	-	-	-	0	-	0	0
Cameroon .....	-	-	-	0	-	0	0
Canada .....	-2	-8	26	0	0	231	3,757
Chad .....	-	-	-	-	-	-	15
China .....	3	-56	0	-1	0	-136	-136
Colombia .....	0	-	0	-2	0	-130	207
Denmark .....	-	-11	-	-	-	-11	-11
Dominican Republic .....	0	-11	0	0	0	-148	-164
Estonia .....	-	-	-	0	-	0	0
Finland .....	-	-9	-	0	-	2	2
France .....	0	-1	-	0	-	-57	-128
Germany .....	0	-9	0	0	0	7	-66
Guatemala .....	0	-5	-	-1	-	-76	-76
Honduras .....	0	-9	-	0	-	-114	-114
India .....	0	-81	0	-1	-	-134	-349
Indonesia .....	0	-	0	4	-	-15	-15
Italy .....	0	-27	0	0	-	-9	-159
Japan .....	0	-39	0	0	0	-524	-621
Korea, South .....	0	-12	0	18	0	-17	-231
Latvia .....	-	-	-	-	-	0	0
Lithuania .....	-	-	-	0	-	0	-21
Malaysia .....	0	-9	0	0	0	-3	-3
Mexico .....	0	-62	-10	-36	-1	-1,164	-618
Netherlands .....	0	-5	0	-1	0	-25	-519
Norway .....	-	-3	-	0	-	-4	-2
Oman .....	-	-	-	0	-	0	0
Panama .....	-	-	-1	0	-	-115	-134
Portugal .....	0	0	-	0	-	27	27
Puerto Rico .....	-	-	0	0	-	-1	-1
Qatar .....	-	-	-	-	-	-	-
Russia .....	-	-	0	0	-	215	321
Spain .....	0	-17	1	0	0	-48	-70
Sweden .....	0	-1	-	0	-	-6	-6
Trinidad and Tobago .....	-	-	-	-1	0	-24	3
United Kingdom .....	0	-3	-	1	0	-1	-243
Vietnam .....	0	-	0	0	-	0	0
Virgin Islands, U.S. .....	-	-	0	0	-	-43	-43
Yemen .....	-	-	-	0	-	0	0
Other .....	0	-117	-10	-9	0	-652	-1,005
<b>Total</b> .....	<b>1</b>	<b>-595</b>	<b>7</b>	<b>-56</b>	<b>-1</b>	<b>-3,356</b>	<b>1,589</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>0</b>	<b>-6</b>	<b>0</b>	<b>13</b>	<b>-</b>	<b>132</b>	<b>1,274</b>

- = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> 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, January 2019**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b>	<b>13,175</b>	<b>133,191</b>	<b>881,437</b>	<b>20,781</b>	<b>49,359</b>	<b>1,097,943</b>
Refinery	10,972	13,581	49,874	2,290	21,060	97,777
Tank Farms and Pipelines (Includes Cushing, OK)	2,203	119,610	182,424	18,491	24,689	347,417
Cushing, Oklahoma	-	42,634	-	-	-	42,634
Leases	-	-	-	-	-	-
Strategic Petroleum Reserve <sup>1</sup>	-	-	649,139	-	-	649,139
Alaskan In Transit	-	-	-	-	3,610	3,610
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b>	<b>166,697</b>	<b>185,603</b>	<b>353,807</b>	<b>21,968</b>	<b>93,599</b>	<b>821,674</b>
Refinery	17,611	49,252	123,846	11,816	51,862	254,387
Bulk Terminal	118,505	98,077	176,205	5,860	36,474	435,121
Pipeline	30,285	36,759	52,504	4,101	5,126	128,775
Natural Gas Processing Plant	296	1,515	1,252	191	137	3,391
<b>Natural Gas Liquids</b>	<b>7,485</b>	<b>42,564</b>	<b>101,747</b>	<b>2,899</b>	<b>2,343</b>	<b>157,038</b>
Refinery	596	3,101	6,201	289	1,226	11,413
Bulk Terminal	5,063	22,209	78,108	298	980	106,658
Pipeline	1,530	15,739	16,186	2,121	-	35,576
Natural Gas Processing Plant	296	1,515	1,252	191	137	3,391
<b>Ethane</b>	<b>450</b>	<b>4,988</b>	<b>41,433</b>	<b>517</b>	<b>-</b>	<b>47,388</b>
Refinery	-	-	221	-	-	221
Bulk Terminal	232	1,515	35,270	-	-	37,017
Pipeline	218	3,281	5,841	513	-	9,853
Natural Gas Processing Plant	-	192	101	4	-	297
<b>Propane</b>	<b>5,280</b>	<b>16,092</b>	<b>27,760</b>	<b>1,225</b>	<b>675</b>	<b>51,032</b>
Refinery	79	703	983	51	87	1,903
Bulk Terminal	3,919	11,162	20,955	255	561	36,852
Pipeline	-	-	-	-	-	-
Natural Gas Processing Plant	132	719	227	84	27	1,189
<b>Normal Butane</b>	<b>1,218</b>	<b>8,228</b>	<b>17,314</b>	<b>515</b>	<b>1,271</b>	<b>28,546</b>
Refinery	396	1,392	3,054	123	801	5,766
Bulk Terminal	641	5,820	12,422	40	415	19,338
Pipeline	90	819	1,658	316	-	2,883
Natural Gas Processing Plant	91	197	180	36	55	559
<b>Isobutane</b>	<b>177</b>	<b>2,546</b>	<b>5,931</b>	<b>296</b>	<b>367</b>	<b>9,317</b>
Refinery	121	482	1,405	108	335	2,451
Bulk Terminal	-	1,152	3,613	-	-	4,765
Pipeline	38	732	828	171	-	1,769
Natural Gas Processing Plant	18	180	85	17	32	332
<b>Natural Gasoline</b>	<b>360</b>	<b>10,710</b>	<b>9,309</b>	<b>346</b>	<b>30</b>	<b>20,755</b>
Refinery	-	524	538	7	3	1,072
Bulk Terminal	271	2,560	5,848	3	4	8,686
Pipeline	34	7,399	2,264	286	-	9,983
Natural Gas Processing Plant	55	227	659	50	23	1,014
<b>Refinery Olefins</b>	<b>271</b>	<b>390</b>	<b>7,941</b>	<b>74</b>	<b>23</b>	<b>8,699</b>
Refinery	271	373	2,187	74	23	2,928
Bulk Terminal	-	17	5,754	-	-	5,771
Pipeline	-	-	-	-	-	-
Natural Gas Processing Plant	-	-	-	-	-	-
<b>Ethylene</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>0</b>
Refinery	-	-	0	-	-	0
Bulk Terminal	-	-	-	-	-	-
Pipeline	-	-	-	-	-	-
Natural Gas Processing Plant	-	-	-	-	-	-
<b>Propylene</b>	<b>101</b>	<b>297</b>	<b>6,762</b>	<b>1</b>	<b>12</b>	<b>7,173</b>
Refinery	101	280	1,008	1	12	1,402
Bulk Terminal	-	17	5,754	-	-	5,771
Pipeline	-	-	-	-	-	-
Natural Gas Processing Plant	-	-	-	-	-	-
<b>Normal Butylene</b>	<b>130</b>	<b>8</b>	<b>1,179</b>	<b>67</b>	<b>11</b>	<b>1,395</b>
Refinery	130	8	1,179	67	11	1,395
Bulk Terminal	-	-	-	-	-	-
Pipeline	-	-	-	-	-	-
Natural Gas Processing Plant	-	-	-	-	-	-
<b>Isobutylene</b>	<b>40</b>	<b>85</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>131</b>
Refinery	40	85	0	6	0	131
Bulk Terminal	-	-	-	-	-	-
Pipeline	-	-	-	-	-	-
Natural Gas Processing Plant	-	-	-	-	-	-
<b>Other Hydrocarbons</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>
Refinery	-	20	-	-	-	20
<b>Oxygenates (excluding Fuel Ethanol)</b>	<b>-</b>	<b>3</b>	<b>1,849</b>	<b>-</b>	<b>-</b>	<b>1,852</b>
Refinery	-	-	-	-	-	-
Bulk Terminal	-	3	1,849	-	-	1,852
Pipeline	-	-	-	-	-	-

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2019**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>MTBE</b> .....	—	—	1,548	—	—	1,548
Refinery .....	—	—	—	—	—	—
Bulk Terminal <sup>3</sup> .....	—	—	1,548	—	—	1,548
Pipeline .....	—	—	—	—	—	—
<b>Other Oxygenates<sup>4</sup></b> .....	—	3	301	—	—	304
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	3	301	—	—	304
Pipeline .....	—	—	—	—	—	—
<b>Renewable Fuels (including Fuel Ethanol)</b> .....	9,176	9,670	7,955	532	5,091	32,424
Refinery .....	263	120	492	261	410	1,546
Bulk Terminal .....	8,913	9,550	7,463	267	4,681	30,874
Pipeline .....	—	—	—	4	—	4
<b>Fuel Ethanol<sup>2</sup></b> .....	7,697	8,537	5,460	400	2,932	25,026
Refinery .....	258	85	213	132	33	721
Bulk Terminal .....	7,439	8,452	5,247	264	2,899	24,301
Pipeline .....	—	—	—	4	—	4
<b>Renewable Diesel Fuel<sup>5</sup></b> .....	1,479	1,133	2,489	132	2,109	7,342
Refinery .....	5	35	279	129	377	825
Bulk Terminal .....	1,474	1,098	2,210	3	1,732	6,517
Pipeline .....	—	—	—	—	—	—
<b>Other Renewable Fuels</b> .....	—	—	6	—	50	56
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	6	—	50	56
Pipeline .....	—	—	—	—	—	—
<b>Unfinished Oils</b> .....	5,274	12,906	48,447	3,606	18,770	89,003
<b>Naphthas and Lighter</b> .....	1,357	3,221	11,120	621	3,536	19,855
Refinery .....	1,357	3,197	9,797	621	3,218	18,190
Bulk Terminal .....	—	24	1,323	—	318	1,665
<b>Kerosene and Light Gas Oils</b> .....	707	2,326	7,713	588	3,225	14,559
Refinery .....	707	2,326	6,373	588	3,197	13,191
Bulk Terminal .....	—	—	1,340	—	28	1,368
<b>Heavy Gas Oils</b> .....	2,104	4,808	24,343	1,864	9,516	42,635
Refinery .....	2,042	4,760	20,385	1,864	9,425	38,476
Bulk Terminal .....	62	48	3,958	—	91	4,159
<b>Residuum</b> .....	1,106	2,551	5,271	533	2,493	11,954
Refinery .....	1,106	2,325	4,945	533	2,464	11,373
Bulk Terminal .....	—	226	326	—	29	581
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	66,651	53,083	75,717	5,839	30,519	231,809
Refinery .....	5,372	15,038	27,670	3,374	15,220	66,674
Bulk Terminal .....	49,000	28,372	32,451	1,684	12,933	124,440
Pipeline .....	12,279	9,673	15,596	781	2,366	40,695
<b>Reformulated - RBOB</b> .....	20,633	5,483	11,257	—	14,116	51,489
Refinery .....	1,568	904	1,452	—	6,001	9,925
Bulk Terminal .....	15,630	3,453	5,840	—	6,660	31,583
Pipeline .....	3,435	1,126	3,965	—	1,455	9,981
<b>Conventional</b> .....	46,018	47,600	64,460	5,839	16,403	180,320
Refinery .....	3,804	14,134	26,218	3,374	9,219	56,749
Bulk Terminal .....	33,370	24,919	26,611	1,684	6,273	92,857
Pipeline .....	8,844	8,547	11,631	781	911	30,714
<b>CBOB</b> .....	29,839	39,084	33,003	4,380	7,823	114,129
Refinery .....	812	7,018	11,275	1,918	2,271	23,294
Bulk Terminal .....	20,183	23,870	10,306	1,681	4,646	60,686
Pipeline .....	8,844	8,196	11,422	781	906	30,149
<b>GTAB</b> .....	2,487	—	1	—	—	2,488
Refinery .....	—	—	1	—	—	1
Bulk Terminal .....	2,487	—	—	—	—	2,487
Pipeline .....	—	—	—	—	—	—
<b>Other</b> .....	13,692	8,516	31,456	1,459	8,580	63,703
Refinery .....	2,992	7,116	14,942	1,456	6,948	33,454
Bulk Terminal .....	10,700	1,049	16,305	3	1,627	29,684
Pipeline .....	—	351	209	—	5	565
<b>Aviation Gasoline Blending Components</b> .....	—	—	40	—	—	40
Refinery .....	—	—	40	—	—	40
Bulk Terminal .....	—	—	—	—	—	—
<b>Finished Motor Gasoline</b> .....	5,485	7,322	12,991	1,634	2,085	29,517
Refinery .....	49	1,562	4,041	740	723	7,115
Bulk Terminal .....	2,120	3,145	5,673	674	1,177	12,789
Pipeline .....	3,316	2,615	3,277	220	185	9,613
<b>Reformulated</b> .....	31	—	—	—	15	46
Refinery .....	—	—	—	—	15	15
Bulk Terminal .....	31	—	—	—	—	31
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	31	—	—	—	15	46
Refinery .....	—	—	—	—	15	15
Bulk Terminal .....	31	—	—	—	—	31
Pipeline .....	—	—	—	—	—	—

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2019**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Reformulated (Other)</b> .....	—	—	—	—	—	—
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional</b> .....	<b>5,454</b>	<b>7,322</b>	<b>12,991</b>	<b>1,634</b>	<b>2,070</b>	<b>29,471</b>
Refinery .....	49	1,562	4,041	740	708	7,100
Bulk Terminal .....	2,089	3,145	5,673	674	1,177	12,758
Pipeline .....	3,316	2,615	3,277	220	185	9,613
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>16</b>	<b>195</b>	—	<b>67</b>	—	<b>278</b>
Refinery .....	—	—	—	63	—	63
Bulk Terminal .....	16	195	—	4	—	215
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>16</b>	<b>195</b>	—	<b>67</b>	—	<b>278</b>
Refinery .....	—	—	—	63	—	63
Bulk Terminal .....	16	195	—	4	—	215
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	—	—	—	—	—	—
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>5,438</b>	<b>7,127</b>	<b>12,991</b>	<b>1,567</b>	<b>2,070</b>	<b>29,193</b>
Refinery .....	49	1,562	4,041	677	708	7,037
Bulk Terminal .....	2,073	2,950	5,673	670	1,177	12,543
Pipeline .....	3,316	2,615	3,277	220	185	9,613
<b>Finished Aviation Gasoline</b> .....	<b>165</b>	<b>166</b>	<b>449</b>	<b>7</b>	<b>191</b>	<b>978</b>
Refinery .....	—	60	330	7	115	512
Bulk Terminal .....	165	106	119	—	76	466
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>8,779</b>	<b>7,347</b>	<b>14,387</b>	<b>852</b>	<b>9,836</b>	<b>41,201</b>
Refinery .....	576	1,702	6,308	307	4,102	12,995
Bulk Terminal .....	4,166	4,019	3,079	436	4,793	16,493
Pipeline .....	4,037	1,626	5,000	109	941	11,713
<b>Kerosene</b> .....	<b>1,583</b>	<b>205</b>	<b>298</b>	<b>1</b>	<b>46</b>	<b>2,133</b>
Refinery .....	158	168	148	1	1	476
Bulk Terminal .....	1,316	37	3	—	45	1,401
Pipeline .....	109	—	147	—	—	256
<b>Distillate Fuel Oil<sup>2</sup></b> .....	<b>46,021</b>	<b>34,784</b>	<b>40,865</b>	<b>4,129</b>	<b>14,338</b>	<b>140,137</b>
Refinery .....	2,615	6,638	13,536	1,825	5,864	30,478
Bulk Terminal .....	34,392	21,040	15,031	1,438	6,846	78,747
Pipeline .....	9,014	7,106	12,298	866	1,628	30,912
<b>15 ppm sulfur and Under</b> .....	<b>39,207</b>	<b>33,782</b>	<b>34,310</b>	<b>3,895</b>	<b>13,378</b>	<b>124,572</b>
Refinery .....	2,130	6,061	10,960	1,647	5,223	26,021
Bulk Terminal .....	29,411	20,819	11,739	1,384	6,653	70,006
Pipeline .....	7,666	6,902	11,611	864	1,502	28,545
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>2,109</b>	<b>380</b>	<b>1,345</b>	<b>182</b>	<b>240</b>	<b>4,256</b>
Refinery .....	155	88	679	126	240	1,288
Bulk Terminal .....	1,949	104	396	54	—	2,503
Pipeline .....	5	188	270	2	—	465
<b>Greater than 500 ppm sulfur</b> .....	<b>4,705</b>	<b>622</b>	<b>5,210</b>	<b>52</b>	<b>720</b>	<b>11,309</b>
Refinery .....	330	489	1,897	52	401	3,169
Bulk Terminal .....	3,032	117	2,896	—	193	6,238
Pipeline .....	1,343	16	417	—	126	1,902
<b>Residual Fuel Oil<sup>6</sup></b> .....	<b>6,448</b>	<b>1,297</b>	<b>16,643</b>	<b>245</b>	<b>4,741</b>	<b>29,374</b>
Refinery .....	544	1,016	3,960	245	2,342	8,107
Bulk Terminal .....	5,904	281	12,683	—	2,393	21,261
Pipeline .....	—	—	—	—	6	6
<b>Less than 0.31% Sulfur</b> .....	<b>768</b>	<b>60</b>	<b>1,302</b>	<b>29</b>	<b>584</b>	<b>2,743</b>
Refinery .....	105	53	237	29	—	424
Bulk Terminal .....	663	7	1,065	—	584	2,319
<b>0.31% to 1.00% Sulfur</b> .....	<b>1,009</b>	<b>221</b>	<b>2,575</b>	<b>4</b>	<b>519</b>	<b>4,328</b>
Refinery .....	93	106	316	4	317	836
Bulk Terminal .....	916	115	2,259	—	202	3,492
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>4,671</b>	<b>1,016</b>	<b>12,766</b>	<b>212</b>	<b>3,632</b>	<b>22,297</b>
Refinery .....	346	857	3,407	212	2,025	6,847
Bulk Terminal .....	4,325	159	9,359	—	1,607	15,450
<b>Petrochemical Feedstocks</b> .....	<b>90</b>	<b>542</b>	<b>2,668</b>	—	<b>6</b>	<b>3,306</b>
Refinery .....	90	542	2,668	—	6	3,306
Naphtha for Petrochemical Feedstock Use .....	90	441	1,796	—	6	2,333
Other Oils for Petrochemical Feedstock Use .....	—	101	872	—	—	973
<b>Special Naphthas</b> .....	<b>44</b>	<b>172</b>	<b>1,151</b>	—	<b>49</b>	<b>1,416</b>
Refinery .....	23	75	1,142	—	49	1,289
Bulk Terminal .....	21	97	9	—	—	127
<b>Lubricants</b> .....	<b>1,261</b>	<b>661</b>	<b>10,491</b>	—	<b>1,259</b>	<b>13,672</b>
Refinery .....	786	195	6,260	—	992	8,233
Bulk Terminal .....	475	466	4,231	—	267	5,439
<b>Waxes</b> .....	<b>384</b>	<b>24</b>	<b>275</b>	—	—	<b>683</b>
Refinery .....	384	24	275	—	—	683
<b>Petroleum Coke</b> .....	—	<b>1,426</b>	<b>4,533</b>	<b>166</b>	<b>1,455</b>	<b>7,580</b>
Refinery .....	—	1,426	4,533	166	1,455	7,580
<b>Asphalt and Road Oil</b> .....	<b>7,551</b>	<b>12,909</b>	<b>4,976</b>	<b>1,965</b>	<b>2,762</b>	<b>30,163</b>
Refinery .....	643	4,472	2,171	902	952	9,140
Bulk Terminal .....	6,908	8,437	2,805	1,063	1,810	21,023

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, January 2019**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Miscellaneous Products</b> .....	<b>29</b>	<b>112</b>	<b>384</b>	<b>19</b>	<b>85</b>	<b>629</b>
Refinery .....	29	112	384	19	78	622
Bulk Terminal .....	-	-	-	-	7	7
Pipeline .....	-	-	-	-	-	-
<b>Total Stocks, All Oils</b> .....	<b>179,872</b>	<b>318,794</b>	<b>1,235,244</b>	<b>42,749</b>	<b>142,958</b>	<b>1,919,617</b>

- = No Data Reported.

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

<sup>1</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>2</sup> 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.

<sup>3</sup> Includes stocks held by merchant producers.

<sup>4</sup> 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).

<sup>5</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

<sup>6</sup> 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, January 2019**  
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components <sup>1</sup>			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
<b>PAD District 1</b> .....	<b>31</b>	<b>2,138</b>	<b>2,169</b>	<b>17,198</b>	<b>37,174</b>	<b>54,372</b>	<b>1,474</b>
Connecticut .....	—	—	—	1,277	93	1,370	24
Delaware .....	—	—	—	913	537	1,450	148
District of Columbia .....	—	—	—	—	—	—	—
Florida .....	—	614	614	—	6,713	6,713	—
Georgia .....	—	324	324	—	2,643	2,643	—
Maine .....	—	—	—	395	336	731	68
Maryland .....	—	—	—	1,570	403	1,973	83
Massachusetts .....	5	—	5	1,800	26	1,826	26
New Hampshire .....	—	—	—	—	—	—	—
New Jersey .....	—	508	508	6,452	13,983	20,435	289
New York .....	26	—	26	1,125	2,016	3,141	517
North Carolina .....	—	274	274	—	2,435	2,435	164
Pennsylvania .....	—	39	39	1,082	4,680	5,762	99
Rhode Island .....	—	—	—	682	—	682	—
South Carolina .....	—	223	223	—	1,543	1,543	21
Vermont .....	—	16	16	—	—	—	2
Virginia .....	—	96	96	1,902	1,619	3,521	33
West Virginia .....	—	44	44	—	147	147	—
<b>PAD District 2</b> .....	<b>—</b>	<b>4,707</b>	<b>4,707</b>	<b>4,357</b>	<b>39,053</b>	<b>43,410</b>	<b>205</b>
Illinois .....	—	394	394	2,153	4,885	7,038	162
Indiana .....	—	311	311	938	5,001	5,939	3
Iowa .....	—	219	219	—	2,436	2,436	—
Kansas .....	—	470	470	—	4,628	4,628	10
Kentucky .....	—	230	230	365	1,286	1,651	5
Michigan .....	—	203	203	47	2,805	2,852	—
Minnesota .....	—	572	572	132	3,015	3,147	—
Missouri .....	—	248	248	216	700	916	—
Nebraska .....	—	134	134	—	991	991	—
North Dakota .....	—	94	94	—	1,018	1,018	—
Ohio .....	—	862	862	3	4,062	4,065	3
Oklahoma .....	—	626	626	—	4,665	4,665	22
South Dakota .....	—	74	74	—	415	415	—
Tennessee .....	—	172	172	—	1,951	1,951	—
Wisconsin .....	—	98	98	503	1,195	1,698	—
<b>PAD District 3</b> .....	<b>—</b>	<b>9,714</b>	<b>9,714</b>	<b>7,292</b>	<b>52,829</b>	<b>60,121</b>	<b>151</b>
Alabama .....	—	193	193	—	1,536	1,536	4
Arkansas .....	—	161	161	7	878	885	—
Louisiana .....	—	1,516	1,516	208	12,479	12,687	120
Mississippi .....	—	3,632	3,632	5	1,912	1,917	—
New Mexico .....	—	16	16	—	587	587	—
Texas .....	—	4,196	4,196	7,072	35,437	42,509	27
<b>PAD District 4</b> .....	<b>—</b>	<b>1,414</b>	<b>1,414</b>	<b>—</b>	<b>5,058</b>	<b>5,058</b>	<b>1</b>
Colorado .....	—	292	292	—	1,097	1,097	—
Idaho .....	—	236	236	—	215	215	—
Montana .....	—	305	305	—	1,404	1,404	—
Utah .....	—	112	112	—	1,413	1,413	1
Wyoming .....	—	469	469	—	929	929	—
<b>PAD District 5</b> .....	<b>15</b>	<b>1,885</b>	<b>1,900</b>	<b>12,661</b>	<b>15,492</b>	<b>28,153</b>	<b>46</b>
Alaska .....	—	793	793	—	—	—	45
Arizona .....	—	60	60	923	383	1,306	—
California .....	15	233	248	11,545	7,745	19,290	1
Hawaii .....	—	1	1	—	952	952	—
Nevada .....	—	203	203	27	418	445	—
Oregon .....	—	57	57	—	1,610	1,610	—
Washington .....	—	538	538	166	4,384	4,550	—
<b>U.S. Total</b> .....	<b>46</b>	<b>19,858</b>	<b>19,904</b>	<b>41,508</b>	<b>149,606</b>	<b>191,114</b>	<b>1,877</b>

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, January 2019**  
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil <sup>1</sup>				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
<b>PAD District 1</b> .....	<b>31,541</b>	<b>2,104</b>	<b>3,362</b>	<b>37,007</b>	<b>6,448</b>	<b>4,130</b>
Connecticut .....	3,239	162	85	3,486	30	—
Delaware .....	542	35	60	637	624	13
District of Columbia .....	—	—	—	—	—	—
Florida .....	2,178	118	—	2,296	1,159	139
Georgia .....	1,081	—	—	1,081	284	14
Maine .....	1,023	5	437	1,465	93	—
Maryland .....	1,345	171	—	1,516	302	3
Massachusetts .....	1,168	455	216	1,839	55	—
New Hampshire .....	615	—	128	743	21	434
New Jersey .....	9,118	455	1,149	10,722	2,814	43
New York .....	4,246	207	404	4,857	398	890
North Carolina .....	1,230	—	7	1,237	—	448
Pennsylvania .....	2,701	143	540	3,384	508	1,597
Rhode Island .....	1,053	28	—	1,081	—	—
South Carolina .....	581	—	—	581	17	458
Vermont .....	36	—	7	43	—	—
Virginia .....	1,238	296	329	1,863	143	9
West Virginia .....	147	29	—	176	—	82
<b>PAD District 2</b> .....	<b>26,880</b>	<b>192</b>	<b>606</b>	<b>27,678</b>	<b>1,297</b>	<b>12,584</b>
Illinois .....	3,276	—	—	3,276	261	668
Indiana .....	3,633	—	241	3,874	62	195
Iowa .....	3,124	—	—	3,124	3	292
Kansas .....	2,606	—	—	2,606	23	7,228
Kentucky .....	691	26	—	717	266	153
Michigan .....	1,638	47	—	1,685	304	2,864
Minnesota .....	2,273	—	32	2,305	104	179
Missouri .....	790	31	2	823	—	159
Nebraska .....	1,176	—	—	1,176	—	325
North Dakota .....	1,116	1	—	1,117	31	39
Ohio .....	1,847	—	109	1,956	119	412
Oklahoma .....	1,841	79	105	2,025	19	44
South Dakota .....	690	—	—	690	—	9
Tennessee .....	720	—	—	720	78	1
Wisconsin .....	1,459	8	117	1,584	27	16
<b>PAD District 3</b> .....	<b>22,699</b>	<b>1,075</b>	<b>4,793</b>	<b>28,567</b>	<b>16,643</b>	<b>22,165</b>
Alabama .....	1,128	4	44	1,176	463	34
Arkansas .....	739	—	54	793	—	52
Louisiana .....	4,866	677	1,696	7,239	8,994	1,174
Mississippi .....	848	150	114	1,112	153	1,369
New Mexico .....	351	—	—	351	103	3
Texas .....	14,767	244	2,885	17,896	6,930	19,533
<b>PAD District 4</b> .....	<b>3,031</b>	<b>180</b>	<b>52</b>	<b>3,263</b>	<b>245</b>	<b>390</b>
Colorado .....	661	—	—	661	4	24
Idaho .....	178	—	—	178	—	—
Montana .....	897	68	—	965	58	23
Utah .....	484	46	52	582	62	266
Wyoming .....	811	66	—	877	121	77
<b>PAD District 5</b> .....	<b>11,876</b>	<b>240</b>	<b>594</b>	<b>12,710</b>	<b>4,735</b>	<b>675</b>
Alaska .....	1,036	—	56	1,092	336	2
Arizona .....	695	—	—	695	—	363
California .....	6,554	240	256	7,050	2,953	169
Hawaii .....	214	—	279	493	456	60
Nevada .....	350	—	3	353	—	—
Oregon .....	791	—	—	791	—	—
Washington .....	2,236	—	—	2,236	990	81
<b>U.S. Total</b> .....	<b>96,027</b>	<b>3,791</b>	<b>9,407</b>	<b>109,225</b>	<b>29,368</b>	<b>39,944</b>

— = No Data Reported.

<sup>1</sup> 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 <sup>1</sup> Between PAD Districts, January 2019**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b> .....	<b>243</b>	<b>73</b>	<b>0</b>	<b>3,168</b>	<b>65,054</b>	<b>7,345</b>	<b>4,311</b>	<b>1,994</b>	<b>34,215</b>
<b>Petroleum Products</b> .....	<b>15,656</b>	<b>502</b>	<b>0</b>	<b>18,074</b>	<b>39,449</b>	<b>7,471</b>	<b>5,338</b>	<b>116,304</b>	<b>16,913</b>
<b>Natural Gas Liquids</b> .....	<b>7,627</b>	<b>29</b>	<b>0</b>	<b>3,927</b>	<b>25,647</b>	<b>4,522</b>	<b>669</b>	<b>2,666</b>	<b>10,211</b>
Ethane .....	5,450	0	-	0	11,548	719	-	0	993
Propane .....	1,252	29	0	3,039	8,728	2,140	328	2,611	1,858
Normal Butane .....	232	0	0	702	2,583	897	102	35	660
Isobutane .....	394	0	0	186	1,236	322	239	20	847
Natural Gasoline .....	299	0	-	0	1,552	444	-	0	5,853
Refinery Olefins .....	0	0	-	350	318	-	-	0	0
Ethylene .....	-	-	-	-	-	-	-	-	-
Propylene .....	0	0	-	350	318	-	-	0	0
Normal Butylene .....	-	-	-	-	-	-	-	-	-
Isobutylene .....	-	-	-	-	-	-	-	-	-
Unfinished Oils .....	43	0	-	0	615	-	-	262	286
Motor Gasoline Blending Components .....	5,447	0	0	1,259	1,919	1,117	0	58,681	3,359
Reformulated - RBOB .....	0	0	0	0	92	-	0	8,444	1,116
Conventional .....	5,447	0	0	1,259	1,827	1,117	0	50,237	2,243
CBOB .....	5,447	0	0	1,259	1,255	1,117	0	49,987	1,905
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	0	572	-	-	250	338
Renewable Fuels .....	0	0	0	9,527	7,505	216	4,578	361	0
Fuel Ethanol .....	0	0	0	9,110	7,282	161	4,411	361	0
Renewable Diesel Fuel <sup>2</sup> .....	0	0	0	417	213	54	167	0	0
Other Renewable Fuels .....	0	0	-	-	10	-	-	-	0
Finished Motor Gasoline .....	63	0	0	706	321	150	0	7,656	125
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	63	0	0	706	321	150	0	7,656	125
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	63	0	0	706	321	150	0	7,656	125
Finished Aviation Gasoline .....	0	0	-	0	0	-	-	104	10
Kerosene-Type Jet Fuel .....	252	0	0	116	0	965	0	15,036	1,312
Kerosene .....	20	0	-	0	0	-	-	233	0
Distillate Fuel Oil .....	2,174	0	0	1,292	1,172	501	0	30,571	1,357
15 ppm sulfur and under .....	2,174	0	0	1,292	1,172	501	0	29,315	1,233
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	0	-	-	86	124
Greater than 500 ppm sulfur .....	-	0	-	0	0	-	-	1,170	-
Residual Fuel Oil .....	0	218	-	0	1,215	-	-	0	0
Petrochemical Feedstocks .....	0	255	-	0	120	-	-	0	0
Naphtha for Petrochemical Feedstock Use .....	0	0	-	-	97	-	-	-	0
Other Oils for Petrochemical Feedstock Use .....	0	255	-	0	23	-	-	0	0
Special Naphthas .....	0	0	-	-	0	-	-	-	29
Lubricants .....	0	0	-	0	0	-	-	361	138
Waxes .....	-	-	-	-	-	-	-	-	-
Marketable Petroleum Coke .....	0	0	0	431	515	0	0	0	26
Asphalt and Road Oil .....	30	0	0	466	101	0	91	373	60
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>15,899</b>	<b>575</b>	<b>0</b>	<b>21,243</b>	<b>104,502</b>	<b>14,816</b>	<b>9,649</b>	<b>118,298</b>	<b>51,128</b>

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, January 2019**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
<b>Crude Oil</b> .....	0	602	0	25,855	1,417	76	0	0	0
<b>Petroleum Products</b> .....	0	5,385	0	12,876	3,907	2,694	0	0	21
<b>Natural Gas Liquids</b> .....	0	204	0	11,487	3,747	191	0	0	0
Ethane .....	0	—	0	2,941	1,725	—	0	0	0
Propane .....	0	0	0	4,568	941	28	0	0	0
Normal Butane .....	0	136	0	1,901	303	100	0	0	0
Isobutane .....	0	68	0	789	277	63	0	0	0
Natural Gasoline .....	0	—	0	1,288	501	—	0	0	0
Refinery Olefins .....	—	—	0	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	—	—	0	0	0	—	0	0	—
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components .....	0	3,768	0	225	0	1,216	0	0	0
Reformulated - RBOB .....	—	2,299	0	0	0	0	0	0	—
Conventional .....	0	1,469	0	225	0	1,216	0	0	0
CBOB .....	0	1,469	0	225	0	1,216	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	0	—	0	0	—
Renewable Fuels .....	0	407	0	0	0	0	0	0	0
Fuel Ethanol .....	0	228	0	0	0	0	0	0	0
Renewable Diesel Fuel <sup>2</sup> .....	0	179	0	0	0	0	0	0	0
Other Renewable Fuels .....	—	—	—	0	0	—	—	0	—
Finished Motor Gasoline .....	0	0	0	340	0	380	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	340	0	380	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	340	0	380	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	192	0	42	0	60	0	0	0
Kerosene .....	—	—	0	0	0	—	0	0	—
Distillate Fuel Oil .....	0	694	0	514	0	371	0	0	0
15 ppm sulfur and under .....	0	694	0	514	0	371	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	—	—	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	—	0	0	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	—	0	0	0	—	0	0	—
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	0	0	50	62	133	0	0	0
Asphalt and Road Oil .....	0	121	0	218	98	343	0	0	21
Miscellaneous Products .....	—	—	—	—	—	—	—	—	—
<b>Total</b> .....	0	5,988	0	38,731	5,323	2,770	0	0	21

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> 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, January 2019**  
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
<b>Crude Oil</b> .....	<b>162</b>	<b>73</b>	<b>233</b>	<b>62,199</b>	<b>7,345</b>	<b>164</b>	<b>34,215</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>15,337</b>	<b>0</b>	<b>4,116</b>	<b>27,301</b>	<b>7,255</b>	<b>87,888</b>	<b>15,304</b>	<b>0</b>	<b>4,654</b>
Natural Gas Liquids .....	7,381	0	1,700	24,656	4,522	2,468	9,597	0	-
Ethane .....	5,450	0	0	11,548	719	0	993	0	-
Propane .....	1,122	0	1,700	8,095	2,140	2,468	1,731	0	-
Normal Butane .....	154	0	0	2,529	897	0	345	0	-
Isobutane .....	356	0	0	932	322	0	675	0	-
Natural Gasoline .....	299	0	0	1,552	444	0	5,853	0	-
Motor Gasoline Blending Components .....	5,447	0	778	1,347	1,117	44,869	3,332	0	3,768
Reformulated - RBOB .....	0	0	0	92	-	8,078	1,116	-	2,299
Conventional .....	5,447	0	778	1,255	1,117	36,791	2,216	0	1,469
CBOB .....	5,447	0	778	1,255	1,117	36,791	1,905	0	1,469
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	0	-	-	311	-	-
Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	63	0	668	126	150	2,973	100	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	63	0	668	126	150	2,973	100	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	63	0	668	126	150	2,973	100	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	252	0	116	0	965	11,476	1,237	0	192
Kerosene .....	20	0	0	0	-	233	0	-	-
Distillate Fuel Oil .....	2,174	0	854	1,172	501	25,869	1,038	0	694
15 ppm sulfur and under .....	2,174	0	854	1,172	501	24,613	914	0	694
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	0	-	86	124	-	-
Greater than 500 ppm sulfur .....	-	0	0	0	-	1,170	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>15,499</b>	<b>73</b>	<b>4,349</b>	<b>89,500</b>	<b>14,600</b>	<b>88,052</b>	<b>49,519</b>	<b>0</b>	<b>4,654</b>

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, January 2019**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>25,855</b>	<b>302</b>	<b>-</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>12,608</b>	<b>3,747</b>	<b>2,027</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	11,487	3,747	-	0	0
Ethane .....	0	2,941	1,725	-	0	0
Propane .....	0	4,568	941	-	0	0
Normal Butane .....	0	1,901	303	-	0	0
Isobutane .....	0	789	277	-	0	0
Natural Gasoline .....	0	1,288	501	-	0	0
Motor Gasoline Blending Components .....	0	225	0	1,216	0	0
Reformulated - RBOB .....	0	0	0	0	0	-
Conventional .....	0	225	0	1,216	0	0
CBOB .....	0	225	0	1,216	0	0
GTAB .....	-	-	-	-	-	-
Other .....	-	0	0	-	0	-
Renewable Fuels .....	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-
Renewable Diesel Fuel <sup>1</sup> .....	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-
Finished Motor Gasoline .....	0	340	0	380	0	0
Reformulated .....	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	0	340	0	380	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-
Conventional Other .....	0	340	0	380	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	42	0	60	0	0
Kerosene .....	0	0	0	-	0	-
Distillate Fuel Oil .....	0	514	0	371	0	0
15 ppm sulfur and under .....	0	514	0	371	0	0
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	-	0	-
Greater than 500 ppm sulfur .....	0	-	0	-	0	-
Residual Fuel Oil .....	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-
<b>Total</b> .....	<b>0</b>	<b>38,463</b>	<b>4,049</b>	<b>2,027</b>	<b>0</b>	<b>0</b>

- = No Data Reported.

<sup>1</sup> 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."

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 2019**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>81</b>	<b>0</b>	<b>0</b>	<b>357</b>	<b>1,852</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>43</b>	<b>473</b>	<b>0</b>	<b>1,102</b>	<b>3,544</b>	<b>0</b>
Natural Gas Liquids .....	—	0	—	0	0	—
Ethane .....	—	—	—	—	—	—
Propane .....	—	0	—	0	0	—
Normal Butane .....	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—
Unfinished Oils .....	43	0	—	0	615	—
Motor Gasoline Blending Components .....	0	0	—	481	572	—
Reformulated - RBOB .....	—	0	—	0	0	—
Conventional .....	0	0	—	481	572	—
CBOB .....	0	0	—	481	0	—
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	0	572	—
Renewable Fuels .....	0	0	0	145	827	0
Fuel Ethanol .....	0	0	—	145	767	—
Renewable Diesel Fuel <sup>1</sup> .....	0	0	0	—	50	0
Other Renewable Fuels .....	0	0	—	—	10	—
Finished Motor Gasoline .....	0	0	—	38	195	—
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	0	—	38	195	—
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	0	—	38	195	—
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	0	—	0	0	—
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	0	—	438	0	—
15 ppm sulfur and under .....	0	0	—	438	0	—
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	—	—	—	—	—	—
Residual Fuel Oil .....	0	218	—	0	1,215	—
Less than 0.31 percent sulfur .....	0	0	—	—	33	—
0.31 to 1.00 percent sulfur .....	0	0	—	—	35	—
Greater than 1.00 percent sulfur .....	0	218	—	0	1,147	—
Petrochemical Feedstocks .....	0	255	—	0	120	—
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	97	—
Other Oils for Petrochemical Feedstock Use .....	0	255	—	0	23	—
Special Naphthas .....	0	0	—	—	0	—
Lubricants .....	0	0	—	0	0	—
Waxes .....	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	0	0	—
Miscellaneous Products .....	—	—	—	—	—	—
<b>Total</b> .....	<b>124</b>	<b>473</b>	<b>0</b>	<b>1,459</b>	<b>5,396</b>	<b>0</b>

See footnotes at end of table.

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, January 2019**  
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
<b>Crude Oil</b> .....	<b>1,830</b>	—	<b>1,830</b>	—	<b>0</b>	<b>475</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>28,116</b>	<b>789</b>	<b>663</b>	<b>26,664</b>	<b>949</b>	<b>179</b>	<b>0</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	43	—	—	43	—	—	0	—	0
Ethane .....	—	—	—	—	—	—	—	—	—
Propane .....	43	—	—	43	—	—	0	—	0
Normal Butane .....	—	—	—	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	262	—	262	—	286	—	0	0	0
Motor Gasoline Blending Components .....	13,812	234	250	13,328	27	—	0	0	0
Reformulated - RBOB .....	366	234	—	132	—	—	0	—	0
Conventional .....	13,446	—	250	13,196	27	—	0	0	0
CBOB .....	13,196	—	—	13,196	0	—	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	250	—	250	—	27	—	0	0	0
Renewable Fuels .....	361	—	—	361	0	179	0	0	0
Fuel Ethanol .....	361	—	—	361	0	—	0	0	0
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	0	179	—	0	0
Other Renewable Fuels .....	—	—	—	—	0	—	—	0	0
Finished Motor Gasoline .....	4,683	—	—	4,683	25	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	4,683	—	—	4,683	25	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	4,683	—	—	4,683	25	—	0	0	0
Finished Aviation Gasoline .....	104	25	—	79	10	—	0	0	0
Kerosene-Type Jet Fuel .....	3,560	—	—	3,560	75	—	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	4,702	530	—	4,172	319	—	0	0	0
15 ppm sulfur and under .....	4,702	530	—	4,172	319	—	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	0	0
Petrochemical Feedstocks .....	0	—	—	—	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use .....	0	—	—	—	0	—	0	0	0
Special Naphthas .....	—	—	—	—	29	—	—	0	0
Lubricants .....	361	—	151	210	138	—	0	0	0
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	228	—	—	228	40	—	0	0	0
Miscellaneous Products .....	—	—	—	—	—	—	—	—	—
<b>Total</b> .....	<b>29,946</b>	<b>789</b>	<b>2,493</b>	<b>26,664</b>	<b>949</b>	<b>654</b>	<b>0</b>	<b>0</b>	<b>0</b>

— = No Data Reported.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, January 2019**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	0	0	2,578	1,003	0	4,311
Propane .....	130	29	0	0	1,339	633	0	328
Propylene .....	0	0	-	-	350	318	-	-
Normal Butane .....	78	0	0	0	702	54	0	102
Isobutane .....	38	0	0	0	186	304	0	239
Fuel Ethanol .....	0	0	0	0	8,965	6,515	161	4,411
Biodiesel .....	0	0	0	0	417	163	54	167
Marketable Petroleum Coke .....	0	0	0	0	431	515	0	0
Asphalt and Road Oil .....	30	0	0	0	466	101	0	91

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	0	127	0	0	1,115	76
Propane .....	100	127	0	0	0	0	0	28
Propylene .....	0	0	-	-	0	0	0	-
Normal Butane .....	35	315	0	136	0	0	0	100
Isobutane .....	20	172	0	68	0	0	0	63
Fuel Ethanol .....	0	0	0	228	0	0	0	0
Biodiesel .....	0	0	0	0	0	0	0	0
Marketable Petroleum Coke .....	0	26	0	0	0	50	62	133
Asphalt and Road Oil .....	145	20	0	121	0	218	98	343

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
Marketable Petroleum Coke .....	0	25	0	0
Asphalt and Road Oil .....	0	0	0	21

- = 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, January 2019**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	162	81	0	243
3 .....	73	0	0	73
4 .....	0	-	0	0
5 .....	-	0	0	0
<b>From 2 to</b>				
1 .....	233	357	2,578	3,168
3 .....	62,199	1,852	1,003	65,054
4 .....	7,345	-	0	7,345
5 .....	-	0	4,311	4,311
<b>From 3 to</b>				
1 .....	164	1,830	0	1,994
2 .....	34,215	0	0	34,215
4 .....	0	-	0	0
5 .....	-	475	127	602
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	25,855	0	0	25,855
3 .....	302	0	1,115	1,417
5 .....	-	0	76	76
<b>From 5 to</b>				
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 <sup>1</sup> Between PAD Districts, January 2019**  
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b>	<b>5,162</b>	<b>316</b>	<b>4,846</b>	<b>60,313</b>	<b>79,878</b>	<b>-19,565</b>	<b>66,543</b>	<b>36,811</b>	<b>29,732</b>
<b>Petroleum Products</b>	<b>134,378</b>	<b>16,158</b>	<b>118,220</b>	<b>45,470</b>	<b>70,332</b>	<b>-24,862</b>	<b>43,857</b>	<b>138,602</b>	<b>-94,745</b>
<b>Natural Gas Liquids</b>	<b>6,593</b>	<b>7,656</b>	<b>-1,063</b>	<b>29,325</b>	<b>34,765</b>	<b>-5,440</b>	<b>29,423</b>	<b>13,081</b>	<b>16,342</b>
Ethane	0	5,450	-5,450	9,384	12,267	-2,883	13,273	993	12,280
Propane	5,650	1,281	4,369	7,678	14,235	-6,557	9,698	4,469	5,229
Normal Butane	737	232	505	2,793	4,284	-1,491	2,886	831	2,055
Isobutane	206	394	-188	2,030	1,983	47	1,513	935	578
Natural Gasoline	0	299	-299	7,440	1,996	5,444	2,053	5,853	-3,800
Refinery Olefins	350	0	350	0	668	-668	318	0	318
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	350	0	350	0	668	-668	318	0	318
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	262	43	219	329	615	-286	615	548	67
Motor Gasoline Blending Components	59,940	5,447	54,493	9,031	4,295	4,736	1,919	65,808	-63,889
Reformulated - RBOB	8,444	0	8,444	1,116	92	1,024	92	11,859	-11,767
Conventional	51,496	5,447	46,049	7,915	4,203	3,712	1,827	53,949	-52,122
CBOB	51,246	5,447	45,799	7,577	3,631	3,946	1,255	53,361	-52,106
GTAB	0	0	-	-	-	-	0	0	-
Other	250	0	250	338	572	-234	572	588	-16
Renewable Fuels	9,888	0	9,888	0	21,826	-21,826	7,505	768	6,737
Fuel Ethanol	9,471	0	9,471	0	20,965	-20,965	7,282	589	6,693
Renewable Diesel Fuel <sup>2</sup>	417	0	417	0	851	-851	213	179	34
Other Renewable Fuels	-	-	-	0	10	-10	10	0	10
Finished Motor Gasoline	8,362	63	8,299	528	1,177	-649	321	7,781	-7,460
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	8,362	63	8,299	528	1,177	-649	321	7,781	-7,460
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	8,362	63	8,299	528	1,177	-649	321	7,781	-7,460
Finished Aviation Gasoline	104	0	104	10	0	10	0	114	-114
Kerosene-Type Jet Fuel	15,152	252	14,900	1,606	1,081	525	0	16,540	-16,540
Kerosene	233	20	213	20	0	20	0	233	-233
Distillate Fuel Oil	31,863	2,174	29,689	4,045	2,965	1,080	1,172	32,622	-31,450
15 ppm sulfur and under	30,607	2,174	28,433	3,921	2,965	956	1,172	31,242	-30,070
Greater than 15 ppm to 500 ppm sulfur	86	0	86	124	0	124	0	210	-210
Greater than 500 ppm sulfur	1,170	0	1,170	0	0	-	0	1,170	-1,170
Residual Fuel Oil	0	218	-218	0	1,215	-1,215	1,433	0	1,433
Petrochemical Feedstocks	0	255	-255	0	120	-120	375	0	375
Naphtha for Petrochemical Feedstock Use	0	0	-	0	97	-97	97	0	97
Other Oils for Petrochemical Feedstock Use	0	255	-255	0	23	-23	278	0	278
Special Naphthas	0	0	-	29	0	29	0	29	-29
Lubricants	361	0	361	138	0	138	0	499	-499
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	431	0	431	101	946	-845	577	26	551
Asphalt and Road Oil	839	30	809	308	659	-351	199	554	-355
Miscellaneous Products	0	0	-	0	0	-	0	0	-
<b>Total</b>	<b>139,541</b>	<b>16,474</b>	<b>123,067</b>	<b>105,783</b>	<b>150,210</b>	<b>-44,427</b>	<b>110,400</b>	<b>175,414</b>	<b>-65,013</b>

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, January 2019**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil .....	7,345	27,348	-20,003	4,989	0	4,989
<b>Petroleum Products .....</b>	<b>7,491</b>	<b>19,476</b>	<b>-11,985</b>	<b>13,418</b>	<b>45</b>	<b>13,372</b>
<b>Natural Gas Liquids .....</b>	<b>4,522</b>	<b>15,425</b>	<b>-10,903</b>	<b>1,064</b>	<b>0</b>	<b>1,064</b>
Ethane .....	719	4,666	-3,947	0	0	-
Propane .....	2,140	5,537	-3,397	356	0	356
Normal Butane .....	897	2,304	-1,407	338	0	338
Isobutane .....	322	1,129	-807	370	0	370
Natural Gasoline .....	444	1,789	-1,345	0	0	-
Refinery Olefins .....	0	0	-	0	0	-
Ethylene .....	-	-	-	-	-	-
Propylene .....	0	0	-	0	0	-
Normal Butylene .....	0	0	-	0	0	-
Isobutylene .....	0	0	-	0	0	-
Unfinished Oils .....	0	0	-	0	0	-
Motor Gasoline Blending Components .....	1,117	1,441	-324	4,984	0	4,984
Reformulated - RBOB .....	-	-	-	2,299	0	2,299
Conventional .....	1,117	1,441	-324	2,685	0	2,685
CBOB .....	1,117	1,441	-324	2,685	0	2,685
GTAB .....	-	-	-	0	0	-
Other .....	0	0	-	0	0	-
Renewable Fuels .....	216	0	216	4,985	0	4,985
Fuel Ethanol .....	161	0	161	4,639	0	4,639
Renewable Diesel Fuel <sup>2</sup> .....	54	0	54	346	0	346
Other Renewable Fuels .....	-	-	-	0	0	-
Finished Motor Gasoline .....	150	720	-570	380	0	380
Reformulated .....	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	0	0	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	150	720	-570	380	0	380
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 .....	150	720	-570	380	0	380
Finished Aviation Gasoline .....	0	0	-	0	0	-
Kerosene-Type Jet Fuel .....	965	102	863	252	0	252
Kerosene .....	0	0	-	0	0	-
Distillate Fuel Oil .....	501	885	-384	1,065	0	1,065
15 ppm sulfur and under .....	501	885	-384	1,065	0	1,065
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	0	-
Greater than 500 ppm sulfur .....	0	0	-	0	0	-
Residual Fuel Oil .....	0	0	-	0	0	-
Petrochemical Feedstocks .....	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use .....	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use .....	-	-	-	-	-	-
Special Naphthas .....	-	-	-	0	0	-
Lubricants .....	0	0	-	0	0	-
Waxes .....	0	0	-	0	0	-
Marketable Petroleum Coke .....	0	245	-245	133	25	108
Asphalt and Road Oil .....	21	659	-638	555	21	535
Miscellaneous Products .....	0	0	-	0	0	-
<b>Total .....</b>	<b>14,836</b>	<b>46,824</b>	<b>-31,988</b>	<b>18,407</b>	<b>45</b>	<b>18,361</b>

- = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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

## Appendix A

# District Descriptions and Maps

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

### **PAD District I**

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

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

### **Sub-PAD District I**

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

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

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

### **PAD District II**

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

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

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

### **PAD District III**

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

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

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

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

**New Mexico:** The State of New Mexico.

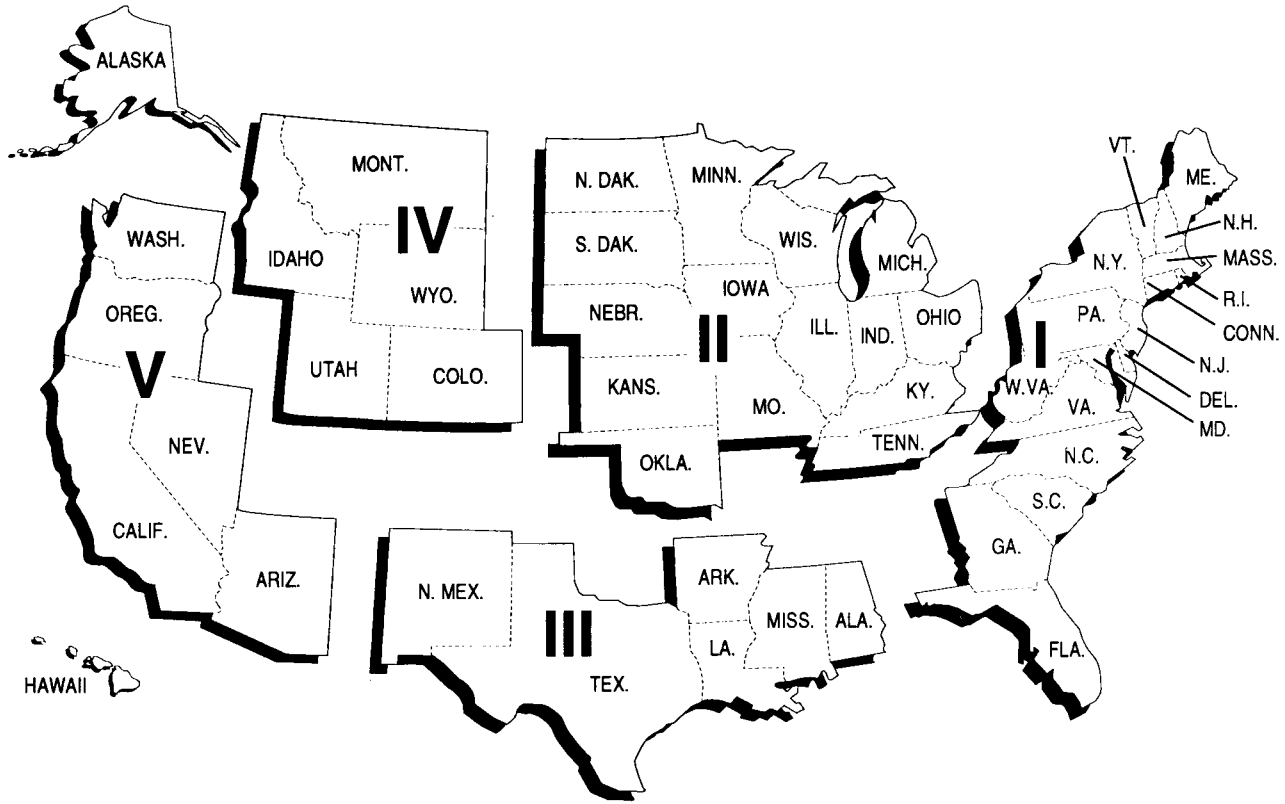
### **PAD District IV**

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

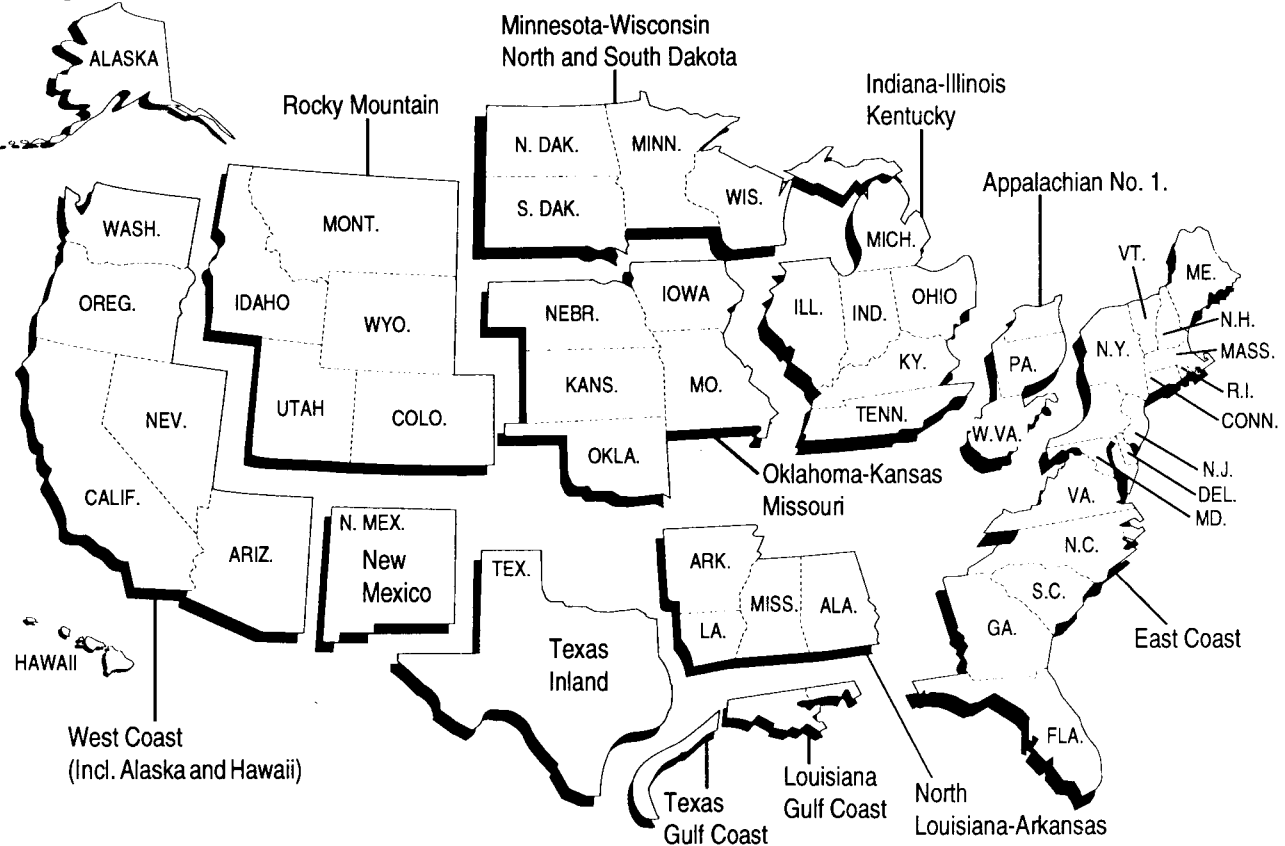
### **PAD District V**

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

# Petroleum Administration for Defense (PAD) Districts



# Refining Districts



## PSM Explanatory Notes

### Preface

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

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

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

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

## Appendix B. Explanatory Notes

### 1. Overview

#### A. The Energy Information Administration's Quality Guidelines

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

#### B. Concepts of Product Supply and Demand

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

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

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

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

#### C. Components of Supply and Disposition

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

##### (1.) Supply

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

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

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

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

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

same month.

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

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

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

## (2.) Disposition

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

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

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

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

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

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

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

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

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

## (3.) Ending Stocks

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

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

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

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

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mdbl\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mdbl_m_cur.htm)

[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)

[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mdbl\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mdbl_m.htm)

## 2. Components - Forms Discussions

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

### A. Petroleum Supply Reporting System

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

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

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

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

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

### B. Monthly Supply Survey Description and Methodology

#### (1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: [http://www.eia.doe.gov/oil\\_gas/petroleum/survey\\_forms/pet\\_survey\\_forms.html](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, Idaho, 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
Kinder Morgan Liq Terminals LLC	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	88
Fuel Ethanol	NY	10
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 ( $\text{C}_6\text{H}_6$ ).** 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 (C<sub>4</sub>H<sub>10</sub>).** 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 (C<sub>4</sub>H<sub>10</sub>).** 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 (C<sub>4</sub>H<sub>10</sub>).** 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 (C<sub>4</sub>H<sub>8</sub>).** 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) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** 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 (C<sub>2</sub>H<sub>4</sub>).** 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 (C<sub>2</sub>H<sub>5</sub>OH).** 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 (C<sub>4</sub>H<sub>10</sub>).** 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 (C<sub>4</sub>H<sub>8</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane (C<sub>6</sub>H<sub>14</sub>).** 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 (C<sub>4</sub>), an alkylation process feedstock, and normal pentane and hexane into isopentane (C<sub>5</sub>) and isohexane (C<sub>6</sub>), 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 (CH<sub>3</sub>OH).** 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<sub>3</sub>H<sub>8</sub>).** 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<sub>3</sub>H<sub>6</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene (C<sub>3</sub>H<sub>6</sub>) (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.