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Administration

# Petroleum Supply Monthly

with data for October 2020

December 2020



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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
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- Imports by country of origin
- Exports
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, October 2020**  
(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>322,984</b>	<b>--</b>	<b>--</b>	<b>164,088</b>	<b>13,326</b>	<b>-7,359</b>	<b>416,787</b>	<b>90,970</b>	<b>0</b>	<b>1,132,149</b>
<b>Hydrocarbon Gas Liquids</b>	<b>164,274</b>	<b>-596</b>	<b>12,705</b>	<b>5,144</b>	<b>--</b>	<b>-12,057</b>	<b>18,191</b>	<b>70,838</b>	<b>104,555</b>	<b>286,998</b>
Natural Gas Liquids	164,274	-596	4,435	4,642	--	-12,211	18,191	70,838	95,937	282,873
Ethane	66,341	--	161	--	--	5,985	--	9,778	50,739	78,157
Propane	52,109	--	8,004	3,861	--	-5,623	--	42,635	26,962	95,083
Normal Butane	14,044	--	-2,971	647	--	-10,895	8,164	12,993	1,458	58,617
Isobutane	13,479	--	-759	127	--	-537	6,124	507	6,753	13,529
Natural Gasoline	18,301	-596	--	7	--	-1,141	3,903	4,925	10,025	37,487
Refinery Olefins	--	--	8,270	502	--	154	--	--	8,618	4,125
Ethylene	--	--	15	--	--	0	--	--	15	0
Propylene	--	--	8,668	441	--	-149	--	--	9,258	1,367
Normal Butylene	--	--	-419	61	--	287	--	--	-645	2,724
Isobutylene	--	--	6	--	--	16	--	--	-10	34
<b>Other Liquids</b>	<b>--</b>	<b>33,199</b>	<b>--</b>	<b>32,616</b>	<b>9,147</b>	<b>-1,277</b>	<b>63,775</b>	<b>14,180</b>	<b>-1,716</b>	<b>309,441</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	33,200	--	1,536	4,439	1,870	34,168	3,137	0	27,050
Hydrogen	--	--	--	--	6,098	--	6,098	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	33,200	--	1,536	-1,682	1,864	28,053	3,137	0	27,024
Fuel Ethanol <sup>5</sup>	--	29,402	--	499	835	1,395	26,317	3,024	0	21,422
Renewable Fuels Except Fuel Ethanol	--	3,798	--	1,037	-2,517	469	1,736	113	0	5,602
Other Hydrocarbons	--	--	--	--	23	6	17	--	0	26
Unfinished Oils	--	--	--	15,952	--	-1,111	9,524	9,244	-1,705	80,293
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	-1	--	15,128	4,708	-2,038	20,074	1,799	0	202,070
Reformulated	--	-1	--	6,077	8,759	309	14,522	4	0	48,576
Conventional	--	--	--	9,051	-4,051	-2,347	5,552	1,795	0	153,494
Aviation Gasoline Blend. Comp.	--	--	--	--	--	2	9	--	-11	28
<b>Finished Petroleum Products</b>	<b>--</b>	<b>28</b>	<b>514,710</b>	<b>26,673</b>	<b>-3,100</b>	<b>-19,232</b>	<b>--</b>	<b>83,043</b>	<b>474,500</b>	<b>295,666</b>
Finished Motor Gasoline	--	28	286,826	2,918	-5,544	2,769	--	25,548	255,912	25,205
Reformulated	--	--	87,724	--	-9,306	7	--	--	78,411	52
Conventional	--	28	199,102	2,918	3,763	2,762	--	25,548	177,501	25,153
Finished Aviation Gasoline	--	--	353	8	--	-3	--	--	364	1,117
Kerosene-Type Jet Fuel	--	--	25,460	4,485	--	-2,499	--	1,227	31,217	37,636
Kerosene	--	--	507	303	--	223	--	508	79	2,508
Distillate Fuel Oil <sup>5</sup>	--	--	130,592	8,680	2,443	-16,385	--	33,419	124,681	155,333
15 ppm sulfur and under	--	--	127,025	8,336	2,443	-15,800	--	29,577	124,028	143,210
Greater than 15 ppm to 500 ppm sulfur	--	--	1,015	311	--	-177	--	1,292	211	3,295
Greater than 500 ppm sulfur	--	--	2,552	33	--	-408	--	2,551	442	8,828
Residual Fuel Oil	--	--	5,047	5,801	--	-823	--	3,109	8,562	31,238
Less than 0.31 percent sulfur	--	--	612	338	--	-307	--	NA	NA	3,159
0.31 to 1.00 percent sulfur	--	--	2,122	3,235	--	-340	--	NA	NA	7,110
Greater than 1.00 percent sulfur	--	--	2,313	2,228	--	-176	--	NA	NA	20,969
Petrochemical Feedstocks	--	--	7,951	497	--	-310	--	--	8,758	2,507
Naphtha for Petro. Feed. Use	--	--	5,261	372	--	-267	--	--	5,900	1,799
Other Oils for Petro. Feed. Use	--	--	2,690	125	--	-43	--	--	2,858	708
Special Naphthas	--	--	1,060	581	--	28	--	--	1,613	1,056
Lubricants	--	--	5,039	1,652	--	-81	--	3,370	3,402	9,421
Waxes	--	--	148	157	--	37	--	138	130	526
Petroleum Coke	--	--	22,324	290	--	873	--	14,504	7,237	8,134
Marketable	--	--	16,381	290	--	873	--	14,504	1,294	8,134
Catalyst	--	--	5,943	--	--	--	--	--	5,943	--
Asphalt and Road Oil	--	--	9,280	1,300	--	-3,029	--	1,184	12,425	20,419
Still Gas	--	--	17,782	--	--	--	--	--	17,782	--
Miscellaneous Products	--	--	2,341	1	--	-32	--	35	2,339	566
<b>Total</b>	<b>487,258</b>	<b>32,631</b>	<b>527,415</b>	<b>228,521</b>	<b>19,373</b>	<b>-39,925</b>	<b>498,753</b>	<b>259,031</b>	<b>577,339</b>	<b>2,024,254</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> 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). 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.

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 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-October 2020**  
(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>3,461,111</b>	<b>--</b>	<b>--</b>	<b>1,806,609</b>	<b>112,097</b>	<b>64,245</b>	<b>4,339,692</b>	<b>975,879</b>	<b>0</b>	<b>1,132,149</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,572,420</b>	<b>-5,418</b>	<b>179,074</b>	<b>45,421</b>	<b>--</b>	<b>75,263</b>	<b>149,144</b>	<b>632,798</b>	<b>934,292</b>	<b>286,998</b>
Natural Gas Liquids	1,572,420	-5,418	101,559	40,789	--	74,104	149,144	632,798	853,304	282,873
Ethane	613,144	--	1,916	--	--	20,758	--	86,646	507,656	78,157
Propane	509,962	--	80,089	31,844	--	15,471	--	373,699	232,725	95,083
Normal Butane	140,009	--	25,372	6,741	--	18,962	48,121	109,275	-4,236	58,617
Isobutane	131,036	--	-5,818	2,143	--	2,324	60,034	1,334	63,669	13,529
Natural Gasoline	178,269	-5,418	--	61	--	16,589	40,989	61,844	53,490	37,487
Refinery Olefins	--	--	77,515	4,632	--	1,159	--	--	80,988	4,125
Ethylene	--	--	184	--	--	0	--	--	184	0
Propylene	--	--	78,913	3,942	--	-306	--	--	83,161	1,367
Normal Butylene	--	--	-1,525	690	--	1,451	--	--	-2,286	2,724
Isobutylene	--	--	-57	--	--	14	--	--	-71	34
<b>Other Liquids</b>	<b>--</b>	<b>307,218</b>	<b>--</b>	<b>327,643</b>	<b>62,448</b>	<b>-35,673</b>	<b>580,986</b>	<b>130,297</b>	<b>21,699</b>	<b>309,441</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	307,240	--	11,801	34,872	-768	324,860	29,821	0	27,050
Hydrogen	--	--	--	--	62,660	--	62,660	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	307,240	--	11,728	-27,890	-784	262,041	29,821	0	27,024
Fuel Ethanol <sup>5</sup>	--	271,572	--	2,726	-3,786	-927	244,860	26,579	0	21,422
Renewable Fuels Except Fuel Ethanol	--	35,668	--	9,002	-24,104	143	17,181	3,242	0	5,602
Other Hydrocarbons	--	--	--	73	102	16	159	--	0	26
Unfinished Oils	--	--	--	170,467	--	-9,108	76,171	81,541	21,863	80,293
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	-22	--	145,375	27,576	-25,783	179,777	18,935	0	202,070
Reformulated	--	-5	--	51,156	66,413	-4,290	121,282	572	0	48,576
Conventional	--	-17	--	94,219	-38,837	-21,493	58,495	18,363	0	153,494
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-14	178	--	-164	28
<b>Finished Petroleum Products</b>	<b>--</b>	<b>673</b>	<b>5,172,424</b>	<b>228,014</b>	<b>-1,483</b>	<b>3,816</b>	<b>--</b>	<b>863,450</b>	<b>4,532,363</b>	<b>295,666</b>
Finished Motor Gasoline	--	673	2,659,471	33,916	-23,789	-769	--	212,961	2,458,079	25,205
Reformulated	--	--	814,285	--	-60,364	11	--	--	753,910	52
Conventional	--	673	1,845,186	33,916	36,574	-780	--	212,961	1,704,169	25,153
Finished Aviation Gasoline	--	--	3,110	218	--	15	--	--	3,313	1,117
Kerosene-Type Jet Fuel	--	--	305,875	46,113	--	-2,817	--	29,693	325,112	37,636
Kerosene	--	--	3,344	343	--	-347	--	1,469	2,565	2,508
Distillate Fuel Oil <sup>5</sup>	--	--	1,455,520	55,697	22,307	15,347	--	372,494	1,145,683	155,333
15 ppm sulfur and under	--	--	1,387,110	53,884	22,307	18,512	--	312,838	1,131,951	143,210
Greater than 15 ppm to 500 ppm sulfur	--	--	33,501	1,417	--	-1,147	--	31,263	4,802	3,295
Greater than 500 ppm sulfur	--	--	34,909	396	--	-2,018	--	28,393	8,930	8,828
Residual Fuel Oil	--	--	60,614	52,273	--	334	--	45,421	67,132	31,238
Less than 0.31 percent sulfur	--	--	10,078	2,017	--	-642	--	NA	NA	3,159
0.31 to 1.00 percent sulfur	--	--	21,145	13,142	--	1,684	--	NA	NA	7,110
Greater than 1.00 percent sulfur	--	--	29,391	37,114	--	-700	--	NA	NA	20,969
Petrochemical Feedstocks	--	--	79,872	5,975	--	-647	--	--	86,494	2,507
Naphtha for Petro. Feed. Use	--	--	50,710	4,939	--	-400	--	--	56,049	1,799
Other Oils for Petro. Feed. Use	--	--	29,162	1,036	--	-247	--	--	30,445	708
Special Naphthas	--	--	9,655	4,181	--	-171	--	--	14,007	1,056
Lubricants	--	--	44,876	10,933	--	-3,265	--	29,037	30,037	9,421
Waxes	--	--	1,092	1,434	--	-200	--	1,327	1,399	526
Petroleum Coke	--	--	236,887	3,005	--	-925	--	162,992	77,825	8,134
Marketable	--	--	179,429	3,005	--	-925	--	162,992	20,367	8,134
Catalyst	--	--	57,458	--	--	--	--	--	57,458	--
Asphalt and Road Oil	--	--	99,432	13,916	--	-2,636	--	7,648	108,336	20,419
Still Gas	--	--	187,694	--	--	--	--	--	187,694	--
Miscellaneous Products	--	--	24,982	10	--	-103	--	408	24,687	566
<b>Total</b>	<b>5,033,531</b>	<b>302,473</b>	<b>5,351,498</b>	<b>2,407,687</b>	<b>173,062</b>	<b>107,651</b>	<b>5,069,822</b>	<b>2,602,424</b>	<b>5,488,353</b>	<b>2,024,254</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> 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> 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.

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 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, October 2020**  
(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>10,419</b>	--	--	<b>5,293</b>	<b>430</b>	<b>-237</b>	<b>13,445</b>	<b>2,935</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>5,299</b>	<b>-19</b>	<b>410</b>	<b>166</b>	--	<b>-389</b>	<b>587</b>	<b>2,285</b>	<b>3,373</b>
Natural Gas Liquids	5,299	-19	143	150	--	-394	587	2,285	3,095
Ethane	2,140	--	5	--	--	193	--	315	1,637
Propane	1,681	--	258	125	--	-181	--	1,375	870
Normal Butane	453	--	-96	21	--	-351	263	419	47
Isobutane	435	--	-24	4	--	-17	198	16	218
Natural Gasoline	590	-19	--	0	--	-37	126	159	323
Refinery Olefins	--	--	267	16	--	5	--	--	278
Ethylene	--	--	0	--	--	0	--	--	0
Propylene	--	--	280	14	--	-5	--	--	299
Normal Butylene	--	--	-14	2	--	9	--	--	-21
Isobutylene	--	--	0	--	--	1	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>1,071</b>	<b>--</b>	<b>1,052</b>	<b>295</b>	<b>-41</b>	<b>2,057</b>	<b>457</b>	<b>-55</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,071	--	50	143	60	1,102	101	0
Hydrogen	--	--	--	--	197	--	197	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,071	--	50	-54	60	905	101	0
Fuel Ethanol <sup>5</sup>	--	948	--	16	27	45	849	98	0
Renewable Fuels Except Fuel Ethanol	--	123	--	33	-81	15	56	4	0
Other Hydrocarbons	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	515	--	-36	307	298	-55
Motor Gasoline Blend. Comp. (MGBC) <sup>5</sup>	--	0	--	488	152	-66	648	58	0
Reformulated	--	0	--	196	283	10	468	0	0
Conventional	--	--	--	292	-131	-76	179	58	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	<b>--</b>	<b>1</b>	<b>16,604</b>	<b>860</b>	<b>-100</b>	<b>-620</b>	<b>--</b>	<b>2,679</b>	<b>15,306</b>
Finished Motor Gasoline	--	1	9,252	94	-179	89	--	824	8,255
Reformulated	--	--	2,830	--	-300	0	--	--	2,529
Conventional	--	1	6,423	94	121	89	--	824	5,726
Finished Aviation Gasoline	--	--	11	0	--	0	--	--	12
Kerosene-Type Jet Fuel	--	--	821	145	--	-81	--	40	1,007
Kerosene	--	--	16	10	--	7	--	16	3
Distillate Fuel Oil <sup>5</sup>	--	--	4,213	280	79	-529	--	1,078	4,022
15 ppm sulfur and under	--	--	4,098	269	79	-510	--	954	4,001
Greater than 15 ppm to 500 ppm sulfur	--	--	33	10	--	-6	--	42	7
Greater than 500 ppm sulfur	--	--	82	1	--	-13	--	82	14
Residual Fuel Oil	--	--	163	187	--	-27	--	100	276
Less than 0.31 percent sulfur	--	--	20	11	--	-10	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	68	104	--	-11	--	NA	NA
Greater than 1.00 percent sulfur	--	--	75	72	--	-6	--	NA	NA
Petrochemical Feedstocks	--	--	256	16	--	-10	--	--	283
Naphtha for Petro. Feed. Use	--	--	170	12	--	-9	--	--	190
Other Oils for Petro. Feed. Use	--	--	87	4	--	-1	--	--	92
Special Naphthas	--	--	34	19	--	1	--	--	52
Lubricants	--	--	163	53	--	-3	--	109	110
Waxes	--	--	5	5	--	1	--	4	4
Petroleum Coke	--	--	720	9	--	28	--	468	233
Marketable	--	--	528	9	--	28	--	468	42
Catalyst	--	--	192	--	--	--	--	--	192
Asphalt and Road Oil	--	--	299	42	--	-98	--	38	401
Still Gas	--	--	574	--	--	--	--	--	574
Miscellaneous Products	--	--	76	0	--	-1	--	1	75
<b>Total</b>	<b>15,718</b>	<b>1,053</b>	<b>17,013</b>	<b>7,372</b>	<b>625</b>	<b>-1,288</b>	<b>16,089</b>	<b>8,356</b>	<b>18,624</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> 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> 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.

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 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-October 2020**  
(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>11,348</b>	<b>--</b>	<b>--</b>	<b>5,923</b>	<b>368</b>	<b>211</b>	<b>14,228</b>	<b>3,200</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,155</b>	<b>-18</b>	<b>587</b>	<b>149</b>	<b>--</b>	<b>247</b>	<b>489</b>	<b>2,075</b>	<b>3,063</b>
Natural Gas Liquids .....	5,155	-18	333	134	--	243	489	2,075	2,798
Ethane .....	2,010	--	6	--	--	68	--	284	1,664
Propane .....	1,672	--	263	104	--	51	--	1,225	763
Normal Butane .....	459	--	83	22	--	62	158	358	-14
Isobutane .....	430	--	-19	7	--	8	197	4	209
Natural Gasoline .....	584	-18	--	0	--	54	134	203	175
Refinery Olefins .....	--	--	254	15	--	4	--	--	266
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	259	13	--	-1	--	--	273
Normal Butylene .....	--	--	-5	2	--	5	--	--	-7
Isobutylene .....	--	--	0	--	--	0	--	--	0
<b>Other Liquids</b> .....	<b>--</b>	<b>1,007</b>	<b>--</b>	<b>1,074</b>	<b>205</b>	<b>-117</b>	<b>1,905</b>	<b>427</b>	<b>71</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,007	--	39	114	-3	1,065	98	0
Hydrogen .....	--	--	--	--	205	--	205	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	1,007	--	38	-91	-3	859	98	0
Fuel Ethanol <sup>5</sup> .....	--	890	--	9	-12	-3	803	87	0
Renewable Fuels Except Fuel Ethanol .....	--	117	--	30	-79	0	56	11	0
Other Hydrocarbons .....	--	--	--	0	0	0	1	--	0
Unfinished Oils .....	--	--	--	559	--	-30	250	267	72
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	477	90	-85	589	62	0
Reformulated .....	--	0	--	168	218	-14	398	2	0
Conventional .....	--	0	--	309	-127	-70	192	60	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	1	--	-1
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>2</b>	<b>16,959</b>	<b>748</b>	<b>-5</b>	<b>13</b>	<b>--</b>	<b>2,831</b>	<b>14,860</b>
Finished Motor Gasoline .....	--	2	8,720	111	-78	-3	--	698	8,059
Reformulated .....	--	--	2,670	--	-198	0	--	--	2,472
Conventional .....	--	2	6,050	111	120	-3	--	698	5,587
Finished Aviation Gasoline .....	--	--	10	1	--	0	--	--	11
Kerosene-Type Jet Fuel .....	--	--	1,003	151	--	-9	--	97	1,066
Kerosene .....	--	--	11	1	--	-1	--	5	8
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,772	183	73	50	--	1,221	3,756
15 ppm sulfur and under .....	--	--	4,548	177	73	61	--	1,026	3,711
Greater than 15 ppm to 500 ppm sulfur .....	--	--	110	5	--	-4	--	103	16
Greater than 500 ppm sulfur .....	--	--	114	1	--	-7	--	93	29
Residual Fuel Oil .....	--	--	199	171	--	1	--	149	220
Less than 0.31 percent sulfur .....	--	--	33	7	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	69	43	--	6	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	96	122	--	-2	--	NA	NA
Petrochemical Feedstocks .....	--	--	262	20	--	-2	--	--	284
Naphtha for Petro. Feed. Use .....	--	--	166	16	--	-1	--	--	184
Other Oils for Petro. Feed. Use .....	--	--	96	3	--	-1	--	--	100
Special Naphthas .....	--	--	32	14	--	-1	--	--	46
Lubricants .....	--	--	147	36	--	-11	--	95	98
Waxes .....	--	--	4	5	--	-1	--	4	5
Petroleum Coke .....	--	--	777	10	--	-3	--	534	255
Marketable .....	--	--	588	10	--	-3	--	534	67
Catalyst .....	--	--	188	--	--	--	--	--	188
Asphalt and Road Oil .....	--	--	326	46	--	-9	--	25	355
Still Gas .....	--	--	615	--	--	--	--	--	615
Miscellaneous Products .....	--	--	82	0	--	0	--	1	81
<b>Total</b> .....	<b>16,503</b>	<b>992</b>	<b>17,546</b>	<b>7,894</b>	<b>567</b>	<b>353</b>	<b>16,622</b>	<b>8,533</b>	<b>17,995</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> 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> 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.

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 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, October 2020**  
(Thousand Barrels)

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>	Ending Stocks
<b>Crude Oil</b>	<b>2,331</b>	<b>--</b>	<b>--</b>	<b>12,075</b>	<b>3,815</b>	<b>-1,203</b>	<b>-638</b>	<b>17,657</b>	<b>--</b>	<b>0</b>	<b>10,510</b>
<b>Hydrocarbon Gas Liquids</b>	<b>19,989</b>	<b>-8</b>	<b>314</b>	<b>1,065</b>	<b>1,404</b>	<b>--</b>	<b>-1,430</b>	<b>1,848</b>	<b>9,393</b>	<b>12,953</b>	<b>12,144</b>
Natural Gas Liquids	19,989	-8	-279	797	806	--	-1,379	1,848	9,393	11,443	11,882
Ethane	7,878	--	--	--	-5,309	--	154	--	2,208	207	859
Propane	7,000	--	378	702	5,168	--	-1,283	--	6,472	8,059	8,301
Normal Butane	2,195	--	-476	36	1,628	--	-175	1,275	689	1,594	2,249
Isobutane	932	--	-181	59	-324	--	19	216	1	250	242
Natural Gasoline	1,984	-8	--	--	-357	--	-94	357	24	1,332	231
Refinery Olefins	--	--	593	268	598	--	-51	--	--	1,510	262
Ethylene	--	--	15	--	--	--	--	--	--	15	--
Propylene	--	--	508	268	598	--	2	--	--	1,372	121
Normal Butylene	--	--	40	--	--	--	-69	--	--	109	107
Isobutylene	--	--	30	--	--	--	16	--	--	14	34
<b>Other Liquids</b>	<b>--</b>	<b>508</b>	<b>--</b>	<b>15,566</b>	<b>63,486</b>	<b>873</b>	<b>-101</b>	<b>80,780</b>	<b>138</b>	<b>-384</b>	<b>69,872</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	508	--	177	8,680	1,007	375	9,893	104	0	8,021
Hydrogen	--	--	--	--	--	90	--	90	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	508	--	177	8,680	917	375	9,803	104	0	8,021
Fuel Ethanol	--	321	--	--	8,395	1,196	294	9,515	103	0	6,823
Renewable Fuels Except Fuel Ethanol	--	187	--	177	285	-279	81	288	2	0	1,198
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,979	-81	--	230	2,020	32	-384	4,018
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	13,410	54,887	-134	-706	68,867	2	0	57,833
Reformulated	--	--	--	6,077	7,582	3,372	1,240	15,790	1	0	20,434
Conventional	--	--	--	7,333	47,305	-3,505	-1,946	53,077	2	0	37,399
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>101,262</b>	<b>14,882</b>	<b>37,289</b>	<b>-784</b>	<b>-2,017</b>	<b>--</b>	<b>2,892</b>	<b>151,774</b>	<b>92,501</b>
Finished Motor Gasoline	--	--	92,285	2,214	3,906	-1,062	469	--	304	96,570	3,519
Reformulated	--	--	34,868	--	--	-3,361	5	--	--	31,502	34
Conventional	--	--	57,417	2,214	3,906	2,299	464	--	304	65,068	3,485
Finished Aviation Gasoline	--	--	--	1	99	--	-22	--	--	122	209
Kerosene-Type Jet Fuel	--	--	590	1,887	6,645	--	-563	--	4	9,681	8,842
Kerosene	--	--	140	303	39	--	140	--	120	222	2,097
Distillate Fuel Oil <sup>6</sup>	--	--	4,511	7,815	24,716	278	-400	--	14	37,706	62,662
15 ppm sulfur and under	--	--	4,525	7,812	23,940	278	-695	--	13	37,237	57,987
Greater than 15 ppm to 500 ppm sulfur	--	--	55	3	--	--	144	--	1	-87	1,495
Greater than 500 ppm sulfur	--	--	-69	--	776	--	151	--	--	556	3,180
Residual Fuel Oil	--	--	909	1,742	-261	--	-200	--	746	1,844	8,643
Less than 0.31 percent sulfur	--	--	-2	--	--	--	-54	--	NA	NA	1,029
0.31 to 1.00 percent sulfur	--	--	775	1,069	-261	--	-261	--	NA	NA	2,469
Greater than 1.00 percent sulfur	--	--	136	673	--	--	115	--	NA	NA	5,145
Petrochemical Feedstocks	--	--	--	--	100	--	--	--	--	100	--
Naphtha for Petro. Feed. Use	--	--	--	--	100	--	--	--	--	100	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	15	3	--	--	4	--	--	14	36
Lubricants	--	--	263	100	503	--	-187	--	170	883	932
Waxes	--	--	-14	78	--	--	2	--	74	-12	248
Petroleum Coke	--	--	660	7	667	--	--	--	1,328	5	--
Marketable	--	--	200	7	667	--	--	--	1,328	-455	--
Catalyst	--	--	460	--	--	--	--	--	--	460	--
Asphalt and Road Oil	--	--	970	732	833	--	-1,262	--	119	3,677	5,259
Still Gas	--	--	865	--	--	--	--	--	--	865	--
Miscellaneous Products	--	--	68	--	43	--	2	--	13	96	54
<b>Total</b>	<b>22,320</b>	<b>500</b>	<b>101,576</b>	<b>43,588</b>	<b>105,995</b>	<b>-1,114</b>	<b>-4,186</b>	<b>100,285</b>	<b>12,423</b>	<b>164,344</b>	<b>185,027</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> 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> 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> 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>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.

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 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-October 2020**  
(Thousand Barrels)

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>	Ending Stocks
<b>Crude Oil</b>	<b>21,249</b>	<b>--</b>	<b>--</b>	<b>128,187</b>	<b>53,689</b>	<b>-8,468</b>	<b>864</b>	<b>184,928</b>	<b>8,864</b>	<b>0</b>	<b>10,510</b>
<b>Hydrocarbon Gas Liquids</b>	<b>186,021</b>	<b>-97</b>	<b>6,582</b>	<b>10,797</b>	<b>16,391</b>	<b>--</b>	<b>2,522</b>	<b>9,944</b>	<b>80,983</b>	<b>126,245</b>	<b>12,144</b>
Natural Gas Liquids	186,021	-97	2,755	8,417	12,842	--	2,568	9,944	80,983	116,443	11,882
Ethane	70,689	--	--	--	-51,062	--	120	--	17,113	2,394	859
Propane	66,409	--	3,925	7,759	55,302	--	1,743	--	46,377	85,275	8,301
Normal Butane	21,166	--	-372	224	13,964	--	752	5,374	16,497	12,359	2,249
Isobutane	8,736	--	-798	434	-2,380	--	74	2,119	7	3,792	242
Natural Gasoline	19,021	-97	--	--	-2,982	--	-121	2,451	988	12,624	231
Refinery Olefins	--	--	3,827	2,380	3,549	--	-46	--	--	9,802	262
Ethylene	--	--	111	--	--	--	--	--	--	111	--
Propylene	--	--	3,747	2,380	3,549	--	-30	--	--	9,706	121
Normal Butylene	--	--	-256	--	--	--	-35	--	--	-221	107
Isobutylene	--	--	225	--	--	--	19	--	--	206	34
<b>Other Liquids</b>	<b>--</b>	<b>5,856</b>	<b>--</b>	<b>145,567</b>	<b>570,978</b>	<b>42,916</b>	<b>-3,820</b>	<b>768,566</b>	<b>2,187</b>	<b>-1,617</b>	<b>69,872</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	5,865	--	1,634	87,586	-1,949	-558	92,401	1,293	0	8,021
Hydrogen	--	--	--	--	--	1,060	--	1,060	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	5,865	--	1,634	87,586	-3,009	-558	91,341	1,293	0	8,021
Fuel Ethanol	--	4,482	--	--	85,633	-1,279	-438	88,169	1,105	0	6,823
Renewable Fuels Except Fuel Ethanol	--	1,383	--	1,634	1,953	-1,730	-120	3,172	188	0	1,198
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	21,140	680	--	-123	23,206	354	-1,617	4,018
Motor Gasoline Blend.Comp. (MGBC)	--	-9	--	122,793	482,712	44,864	-3,139	652,959	540	0	57,833
Reformulated	--	--	--	50,036	77,154	26,558	-721	154,455	14	0	20,434
Conventional	--	-9	--	72,757	405,558	18,307	-2,418	498,504	527	0	37,399
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>967,278</b>	<b>115,290</b>	<b>403,299</b>	<b>-41,859</b>	<b>17,535</b>	<b>--</b>	<b>27,296</b>	<b>1,399,177</b>	<b>92,501</b>
Finished Motor Gasoline	--	--	856,131	27,864	33,317	-43,585	-1,113	--	1,933	872,907	3,519
Reformulated	--	--	322,663	--	--	-25,994	6	--	--	296,663	34
Conventional	--	--	533,468	27,864	33,317	-17,591	-1,119	--	1,933	576,244	3,485
Finished Aviation Gasoline	--	--	--	38	690	--	10	--	--	718	209
Kerosene-Type Jet Fuel	--	--	9,384	14,248	81,581	--	-3	--	1,788	103,428	8,842
Kerosene	--	--	866	303	1,390	--	-108	--	274	2,393	2,097
Distillate Fuel Oil <sup>6</sup>	--	--	61,345	46,910	264,372	1,727	17,860	--	9,175	347,319	62,662
15 ppm sulfur and under	--	--	61,608	45,538	254,446	1,727	18,255	--	5,835	339,228	57,987
Greater than 15 ppm to 500 ppm sulfur	--	--	902	1,109	1,052	--	24	--	2,661	378	1,495
Greater than 500 ppm sulfur	--	--	-1,165	263	8,874	--	-419	--	679	7,712	3,180
Residual Fuel Oil	--	--	9,379	14,528	963	--	972	--	3,567	20,331	8,643
Less than 0.31 percent sulfur	--	--	-381	1,105	1,118	--	-648	--	NA	NA	1,029
0.31 to 1.00 percent sulfur	--	--	7,436	6,883	-208	--	382	--	NA	NA	2,469
Greater than 1.00 percent sulfur	--	--	2,324	6,540	53	--	1,238	--	NA	NA	5,145
Petrochemical Feedstocks	--	--	-5	877	200	--	-45	--	--	1,117	--
Naphtha for Petro. Feed. Use	--	--	-5	870	200	--	-45	--	--	1,110	--
Other Oils for Petro. Feed. Use	--	--	--	7	--	--	--	--	--	7	--
Special Naphthas	--	--	147	14	--	--	3	--	--	158	36
Lubricants	--	--	3,275	1,235	5,030	--	-510	--	1,776	8,274	932
Waxes	--	--	-91	717	--	--	-161	--	655	132	248
Petroleum Coke	--	--	6,838	29	4,774	--	--	--	7,270	4,371	--
Marketable	--	--	2,800	29	4,774	--	--	--	7,270	333	--
Catalyst	--	--	4,038	--	--	--	--	--	--	4,038	--
Asphalt and Road Oil	--	--	10,309	8,527	10,572	--	609	--	715	28,084	5,259
Still Gas	--	--	8,917	--	--	--	--	--	--	8,917	--
Miscellaneous Products	--	--	783	--	410	--	21	--	142	1,030	54
<b>Total</b>	<b>207,270</b>	<b>5,759</b>	<b>973,860</b>	<b>399,841</b>	<b>1,044,356</b>	<b>-7,411</b>	<b>17,101</b>	<b>963,438</b>	<b>119,331</b>	<b>1,523,805</b>	<b>185,027</b>

-- = Not Applicable.

NA = 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> 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> 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> 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>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.

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 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, October 2020**  
(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>75</b>	<b>--</b>	<b>--</b>	<b>390</b>	<b>123</b>	<b>-39</b>	<b>-21</b>	<b>570</b>	<b>--</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>645</b>	<b>0</b>	<b>10</b>	<b>34</b>	<b>45</b>	<b>--</b>	<b>-46</b>	<b>60</b>	<b>303</b>	<b>418</b>
Natural Gas Liquids	645	0	-9	26	26	--	-44	60	303	369
Ethane	254	--	--	--	-171	--	5	--	71	7
Propane	226	--	12	23	167	--	-41	--	209	260
Normal Butane	71	--	-15	1	53	--	-6	41	22	51
Isobutane	30	--	-6	2	-10	--	1	7	0	8
Natural Gasoline	64	0	--	--	-12	--	-3	12	1	43
Refinery Olefins	--	--	19	9	19	--	-2	--	--	49
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	16	9	19	--	0	--	--	44
Normal Butylene	--	--	1	--	--	--	-2	--	--	4
Isobutylene	--	--	1	--	--	--	1	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>502</b>	<b>2,048</b>	<b>28</b>	<b>-3</b>	<b>2,606</b>	<b>4</b>	<b>-12</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	16	--	6	280	32	12	319	3	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	16	--	6	280	30	12	316	3	0
Fuel Ethanol <sup>6</sup>	--	10	--	--	271	39	9	307	3	0
Renewable Fuels Except Fuel Ethanol	--	6	--	6	9	-9	3	9	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	64	-3	--	7	65	1	-12
Motor Gasoline Blend Comp. (MGBC) <sup>6</sup>	--	--	--	433	1,771	-4	-23	2,222	0	0
Reformulated	--	--	--	196	245	109	40	509	0	0
Conventional	--	--	--	237	1,526	-113	-63	1,712	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>3,267</b>	<b>480</b>	<b>1,203</b>	<b>-25</b>	<b>-65</b>	<b>--</b>	<b>93</b>	<b>4,896</b>
Finished Motor Gasoline	--	--	2,977	71	126	-34	15	--	10	3,115
Reformulated	--	--	1,125	--	--	-108	0	--	--	1,016
Conventional	--	--	1,852	71	126	74	15	--	10	2,099
Finished Aviation Gasoline	--	--	--	0	3	--	-1	--	--	4
Kerosene-Type Jet Fuel	--	--	19	61	214	--	-18	--	0	312
Kerosene	--	--	5	10	1	--	5	--	4	7
Distillate Fuel Oil <sup>6</sup>	--	--	146	252	797	9	-13	--	0	1,216
15 ppm sulfur and under	--	--	146	252	772	9	-22	--	0	1,201
Greater than 15 ppm to 500 ppm sulfur	--	--	2	0	--	--	5	--	0	-3
Greater than 500 ppm sulfur	--	--	-2	--	25	--	5	--	--	18
Residual Fuel Oil	--	--	29	56	-8	--	-6	--	24	59
Less than 0.31 percent sulfur	--	--	0	--	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	25	34	-8	--	-8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	22	--	--	4	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	3	--	--	--	--	3
Naphtha for Petro. Feed. Use	--	--	--	--	3	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	8	3	16	--	-6	--	5	28
Waxes	--	--	0	3	--	--	0	--	2	0
Petroleum Coke	--	--	21	0	22	--	--	--	43	0
Marketable	--	--	6	0	22	--	--	--	43	-15
Catalyst	--	--	15	--	--	--	--	--	--	15
Asphalt and Road Oil	--	--	31	24	27	--	-41	--	4	119
Still Gas	--	--	28	--	--	--	--	--	--	28
Miscellaneous Products	--	--	2	--	1	--	0	--	0	3
<b>Total</b>	<b>720</b>	<b>16</b>	<b>3,277</b>	<b>1,406</b>	<b>3,419</b>	<b>-36</b>	<b>-135</b>	<b>3,235</b>	<b>401</b>	<b>5,301</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> 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> 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> 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>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.

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 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-October 2020**  
(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>70</b>	<b>--</b>	<b>--</b>	<b>420</b>	<b>176</b>	<b>-28</b>	<b>3</b>	<b>606</b>	<b>29</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>610</b>	<b>0</b>	<b>22</b>	<b>35</b>	<b>54</b>	<b>--</b>	<b>8</b>	<b>33</b>	<b>266</b>	<b>414</b>
Natural Gas Liquids .....	610	0	9	28	42	--	8	33	266	382
Ethane .....	232	--	--	--	-167	--	0	--	56	8
Propane .....	218	--	13	25	181	--	6	--	152	280
Normal Butane .....	69	--	-1	1	46	--	2	18	54	41
Isobutane .....	29	--	-3	1	-8	--	0	7	0	12
Natural Gasoline .....	62	0	--	--	-10	--	0	8	3	41
Refinery Olefins .....	--	--	13	8	12	--	0	--	--	32
Ethylene .....	--	--	0	--	--	--	--	--	--	0
Propylene .....	--	--	12	8	12	--	0	--	--	32
Normal Butylene .....	--	--	-1	--	--	--	0	--	--	-1
Isobutylene .....	--	--	1	--	--	--	0	--	--	1
<b>Other Liquids</b> .....	<b>--</b>	<b>19</b>	<b>--</b>	<b>477</b>	<b>1,872</b>	<b>141</b>	<b>-13</b>	<b>2,520</b>	<b>7</b>	<b>-5</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	19	--	5	287	-6	-2	303	4	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	19	--	5	287	-10	-2	299	4	0
Fuel Ethanol <sup>6</sup> .....	--	15	--	--	281	-4	-1	289	4	0
Renewable Fuels Except Fuel Ethanol .....	--	5	--	5	6	-6	0	10	1	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	69	2	--	0	76	1	-5
Motor Gasoline Blend Comp. (MGBC) <sup>6</sup> .....	--	0	--	403	1,583	147	-10	2,141	2	0
Reformulated .....	--	--	--	164	253	87	-2	506	0	0
Conventional .....	--	0	--	239	1,330	60	-8	1,634	2	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>3,171</b>	<b>378</b>	<b>1,322</b>	<b>-137</b>	<b>57</b>	<b>--</b>	<b>89</b>	<b>4,587</b>
Finished Motor Gasoline .....	--	--	2,807	91	109	-143	-4	--	6	2,862
Reformulated .....	--	--	1,058	--	--	-85	0	--	--	973
Conventional .....	--	--	1,749	91	109	-58	-4	--	6	1,889
Finished Aviation Gasoline .....	--	--	--	0	2	--	0	--	--	2
Kerosene-Type Jet Fuel .....	--	--	31	47	267	--	0	--	6	339
Kerosene .....	--	--	3	1	5	--	0	--	1	8
Distillate Fuel Oil <sup>6</sup> .....	--	--	201	154	867	6	59	--	30	1,139
15 ppm sulfur and under .....	--	--	202	149	834	6	60	--	19	1,112
Greater than 15 ppm to 500 ppm sulfur .....	--	--	3	4	3	--	0	--	9	1
Greater than 500 ppm sulfur .....	--	--	-4	1	29	--	-1	--	2	25
Residual Fuel Oil .....	--	--	31	48	3	--	3	--	12	67
Less than 0.31 percent sulfur .....	--	--	-1	4	4	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	24	23	-1	--	1	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	8	21	0	--	4	--	NA	NA
Petrochemical Feedstocks .....	--	--	0	3	1	--	0	--	--	4
Naphtha for Petro. Feed. Use .....	--	--	0	3	1	--	0	--	--	4
Other Oils for Petro. Feed. Use .....	--	--	--	0	--	--	--	--	--	0
Special Naphthas .....	--	--	0	0	--	--	0	--	--	1
Lubricants .....	--	--	11	4	16	--	-2	--	6	27
Waxes .....	--	--	0	2	--	--	-1	--	2	0
Petroleum Coke .....	--	--	22	0	16	--	--	--	24	14
Marketable .....	--	--	9	0	16	--	--	--	24	1
Catalyst .....	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil .....	--	--	34	28	35	--	2	--	2	92
Still Gas .....	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products .....	--	--	3	--	1	--	0	--	0	3
<b>Total</b> .....	<b>680</b>	<b>19</b>	<b>3,193</b>	<b>1,311</b>	<b>3,424</b>	<b>-24</b>	<b>56</b>	<b>3,159</b>	<b>391</b>	<b>4,996</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> 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> 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> 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>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.

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 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, October 2020**  
(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>56,469</b>	<b>--</b>	<b>--</b>	<b>76,425</b>	<b>-13,105</b>	<b>-3,020</b>	<b>5,504</b>	<b>106,378</b>	<b>4,888</b>	<b>0</b>	<b>146,411</b>
<b>Hydrocarbon Gas Liquids</b>	<b>31,032</b>	<b>-571</b>	<b>1,216</b>	<b>2,264</b>	<b>-10,163</b>	<b>--</b>	<b>-4,026</b>	<b>3,706</b>	<b>7,793</b>	<b>16,305</b>	<b>62,496</b>
Natural Gas Liquids	31,032	-571	54	2,059	-9,042	--	-3,726	3,706	7,793	15,759	61,855
Ethane	10,408	--	--	--	-1,990	--	-97	--	2,783	5,732	6,096
Propane	11,118	--	2,282	1,949	-6,944	--	-292	--	117	8,580	26,041
Normal Butane	3,748	--	-1,949	67	-3,410	--	-2,667	1,229	152	-258	16,289
Isobutane	2,019	--	-279	36	308	--	-521	1,672	2	931	2,147
Natural Gasoline	3,739	-571	--	7	2,994	--	-149	805	4,739	774	11,282
Refinery Olefins	--	--	1,162	205	-1,121	--	-300	--	--	546	641
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,216	173	-1,121	--	32	--	--	236	416
Normal Butylene	--	--	-54	32	--	--	-332	--	--	310	225
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>30,767</b>	<b>--</b>	<b>127</b>	<b>-13,860</b>	<b>-2</b>	<b>1,333</b>	<b>14,932</b>	<b>1,355</b>	<b>-589</b>	<b>61,610</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	30,768	--	91	-19,862	50	1,413	8,839	794	0	8,914
Hydrogen	--	--	--	--	--	1,250	--	1,250	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	30,768	--	91	-19,862	-1,223	1,407	7,572	794	0	8,888
Fuel Ethanol	--	28,087	--	--	-18,547	-330	1,308	7,177	725	0	7,917
Renewable Fuels Except Fuel Ethanol	--	2,681	--	91	-1,315	-893	99	395	70	0	971
Other Hydrocarbons	--	--	--	--	--	23	6	17	--	0	26
Unfinished Oils	--	--	--	22	233	--	-996	1,332	508	-589	12,319
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	14	5,769	-52	916	4,761	53	0	40,377
Reformulated	--	-1	--	--	864	-80	-21	804	--	0	4,764
Conventional	--	--	--	14	4,905	28	937	3,957	53	0	35,613
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>28</b>	<b>130,933</b>	<b>1,188</b>	<b>1,545</b>	<b>1,275</b>	<b>-5,677</b>	<b>--</b>	<b>1,554</b>	<b>139,093</b>	<b>53,733</b>
Finished Motor Gasoline	--	28	75,726	--	-399	383	533	--	268	74,937	7,251
Reformulated	--	--	9,748	--	--	146	--	--	--	9,894	--
Conventional	--	28	65,978	--	-399	237	533	--	268	65,043	7,251
Finished Aviation Gasoline	--	--	49	4	28	--	46	--	--	35	135
Kerosene-Type Jet Fuel	--	--	4,935	--	1,460	--	-78	--	17	6,456	6,916
Kerosene	--	--	292	--	--	--	22	--	1	269	189
Distillate Fuel Oil	--	--	33,358	214	2,551	893	-4,855	--	232	41,638	27,159
15 ppm sulfur and under	--	--	33,382	182	2,478	893	-4,748	--	0	41,682	26,552
Greater than 15 ppm to 500 ppm sulfur	--	--	88	--	73	--	-85	--	11	235	196
Greater than 500 ppm sulfur	--	--	-112	32	--	--	-22	--	221	-279	411
Residual Fuel Oil	--	--	1,003	41	-395	--	-116	--	122	643	1,219
Less than 0.31 percent sulfur	--	--	92	--	--	--	27	--	NA	NA	53
0.31 to 1.00 percent sulfur	--	--	336	23	-281	--	-110	--	NA	NA	285
Greater than 1.00 percent sulfur	--	--	575	18	-114	--	-33	--	NA	NA	881
Petrochemical Feedstocks	--	--	733	158	-100	--	-74	--	--	865	453
Naphtha for Petro. Feed. Use	--	--	420	84	-95	--	-81	--	--	490	347
Other Oils for Petro. Feed. Use	--	--	313	74	-5	--	7	--	--	375	106
Special Naphthas	--	--	-8	6	22	--	-13	--	--	33	148
Lubricants	--	--	256	188	200	--	-14	--	205	453	579
Waxes	--	--	42	15	--	--	14	--	29	14	60
Petroleum Coke	--	--	5,805	24	-1,262	--	12	--	402	4,153	2,015
Marketable	--	--	4,356	24	-1,262	--	12	--	402	2,704	2,015
Catalyst	--	--	1,449	--	--	--	--	--	--	1,449	--
Asphalt and Road Oil	--	--	4,121	538	-523	--	-1,159	--	274	5,021	7,510
Still Gas	--	--	4,139	--	--	--	--	--	--	4,139	--
Miscellaneous Products	--	--	482	--	-37	--	5	--	2	438	99
<b>Total</b>	<b>87,501</b>	<b>30,224</b>	<b>132,149</b>	<b>80,004</b>	<b>-35,583</b>	<b>-1,747</b>	<b>-2,866</b>	<b>125,016</b>	<b>15,589</b>	<b>154,809</b>	<b>324,250</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> 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> 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> 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>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.

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 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-October 2020**  
(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>563,181</b>	<b>--</b>	<b>--</b>	<b>796,661</b>	<b>-214,600</b>	<b>-23,767</b>	<b>19,822</b>	<b>1,052,545</b>	<b>49,109</b>	<b>0</b>	<b>146,411</b>
<b>Hydrocarbon Gas Liquids</b>	<b>304,395</b>	<b>-5,097</b>	<b>35,531</b>	<b>18,263</b>	<b>-143,303</b>	<b>--</b>	<b>15,211</b>	<b>24,964</b>	<b>92,125</b>	<b>77,489</b>	<b>62,496</b>
Natural Gas Liquids	304,395	-5,097	22,854	16,232	-135,867	--	14,874	24,964	92,125	70,554	61,855
Ethane	103,696	--	--	--	-35,408	--	681	--	28,683	38,924	6,096
Propane	109,231	--	21,365	12,753	-98,013	--	6,025	--	1,841	37,470	26,041
Normal Butane	36,406	--	3,426	1,970	-35,099	--	7,144	5,456	2,041	-7,938	16,289
Isobutane	19,576	--	-1,937	1,448	-281	--	250	13,666	10	4,880	2,147
Natural Gasoline	35,486	-5,097	--	61	32,934	--	774	5,842	59,551	-2,783	11,282
Refinery Olefins	--	--	12,677	2,031	-7,436	--	337	--	--	6,935	641
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	11,988	1,562	-7,436	--	132	--	--	5,982	416
Normal Butylene	--	--	689	469	--	--	205	--	--	953	225
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>282,278</b>	<b>--</b>	<b>3,706</b>	<b>-123,243</b>	<b>-26,916</b>	<b>-8,303</b>	<b>131,957</b>	<b>21,494</b>	<b>-9,323</b>	<b>61,610</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	282,291	--	1,002	-182,591	-10,304	101	82,884	7,412	0	8,914
Hydrogen	--	--	--	--	--	11,367	--	11,367	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	282,291	--	1,002	-182,591	-21,846	85	71,358	7,412	0	8,888
Fuel Ethanol	--	256,611	--	--	-174,230	-10,012	53	66,848	5,468	0	7,917
Renewable Fuels Except Fuel Ethanol	--	25,680	--	1,002	-8,361	-11,835	32	4,510	1,945	0	971
Other Hydrocarbons	--	--	--	--	--	175	16	159	--	0	26
Unfinished Oils	--	--	--	594	-2,693	--	-1,102	-4,648	12,974	-9,323	12,319
Motor Gasoline Blend.Comp. (MGBC)	--	-13	--	2,110	62,041	-16,611	-7,302	53,721	1,108	0	40,377
Reformulated	--	-5	--	--	15,714	-5,366	-839	11,181	1	0	4,764
Conventional	--	-8	--	2,110	46,327	-11,245	-6,463	42,540	1,107	0	35,613
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>673</b>	<b>1,237,182</b>	<b>10,579</b>	<b>16,813</b>	<b>38,459</b>	<b>-6,751</b>	<b>--</b>	<b>11,380</b>	<b>1,299,076</b>	<b>53,733</b>
Finished Motor Gasoline	--	673	696,770	37	-761	26,623	-70	--	2,153	721,259	7,251
Reformulated	--	--	91,416	--	--	7,167	--	--	--	98,583	--
Conventional	--	673	605,354	37	-761	19,456	-70	--	2,153	622,676	7,251
Finished Aviation Gasoline	--	--	194	36	160	--	-16	--	--	406	135
Kerosene-Type Jet Fuel	--	--	53,073	--	11,823	--	149	--	819	63,928	6,916
Kerosene	--	--	990	--	25	--	-133	--	9	1,139	189
Distillate Fuel Oil	--	--	323,317	2,073	27,660	11,836	-4,294	--	1,447	367,733	27,159
15 ppm sulfur and under	--	--	323,719	1,948	26,730	11,836	-3,907	--	8	368,132	26,552
Greater than 15 ppm to 500 ppm sulfur	--	--	973	--	818	--	-284	--	149	1,926	196
Greater than 500 ppm sulfur	--	--	-1,375	125	112	--	-103	--	1,290	-2,325	411
Residual Fuel Oil	--	--	9,281	841	-6,064	--	-28	--	1,701	2,385	1,219
Less than 0.31 percent sulfur	--	--	628	--	-380	--	-144	--	NA	NA	53
0.31 to 1.00 percent sulfur	--	--	3,546	402	-3,306	--	36	--	NA	NA	285
Greater than 1.00 percent sulfur	--	--	5,107	439	-2,378	--	80	--	NA	NA	881
Petrochemical Feedstocks	--	--	8,069	1,529	-767	--	-67	--	--	8,898	453
Naphtha for Petro. Feed. Use	--	--	4,623	832	-731	--	-77	--	--	4,801	347
Other Oils for Petro. Feed. Use	--	--	3,446	697	-36	--	10	--	--	4,097	106
Special Naphthas	--	--	-23	63	161	--	-30	--	--	231	148
Lubricants	--	--	1,742	1,302	1,748	--	-111	--	1,822	3,081	579
Waxes	--	--	287	132	--	--	19	--	270	130	60
Petroleum Coke	--	--	53,600	239	-10,117	--	-61	--	2,081	41,702	2,015
Marketable	--	--	40,622	239	-10,117	--	-61	--	2,081	28,724	2,015
Catalyst	--	--	12,978	--	--	--	--	--	--	12,978	--
Asphalt and Road Oil	--	--	45,190	4,327	-6,675	--	-2,107	--	1,046	43,903	7,510
Still Gas	--	--	40,113	--	--	--	--	--	--	40,113	--
Miscellaneous Products	--	--	4,579	--	-380	--	-2	--	31	4,170	99
<b>Total</b>	<b>867,576</b>	<b>277,854</b>	<b>1,272,713</b>	<b>829,209</b>	<b>-464,333</b>	<b>-12,224</b>	<b>19,979</b>	<b>1,209,466</b>	<b>174,109</b>	<b>1,367,242</b>	<b>324,250</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> 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> 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> 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>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.

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 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 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 2020**  
(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>1,822</b>	<b>--</b>	<b>--</b>	<b>2,465</b>	<b>-423</b>	<b>-97</b>	<b>178</b>	<b>3,432</b>	<b>158</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,001</b>	<b>-18</b>	<b>39</b>	<b>73</b>	<b>-328</b>	<b>--</b>	<b>-130</b>	<b>120</b>	<b>251</b>	<b>526</b>
Natural Gas Liquids	1,001	-18	2	66	-292	--	-120	120	251	508
Ethane	336	--	--	--	-64	--	-3	--	90	185
Propane	359	--	74	63	-224	--	-9	--	4	277
Normal Butane	121	--	-63	2	-110	--	-86	40	5	-8
Isobutane	65	--	-9	1	10	--	-17	54	0	30
Natural Gasoline	121	-18	--	0	97	--	-5	26	153	25
Refinery Olefins	--	--	37	7	-36	--	-10	--	--	18
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	6	-36	--	1	--	--	8
Normal Butylene	--	--	-2	1	--	--	-11	--	--	10
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>992</b>	<b>--</b>	<b>4</b>	<b>-447</b>	<b>0</b>	<b>43</b>	<b>482</b>	<b>44</b>	<b>-19</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	993	--	3	-641	2	46	285	26	0
Hydrogen	--	--	--	--	--	40	--	40	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	993	--	3	-641	-39	45	244	26	0
Fuel Ethanol	--	906	--	--	-598	-11	42	232	23	0
Renewable Fuels Except Fuel Ethanol	--	86	--	3	-42	-29	3	13	2	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	1	8	--	-32	43	16	-19
Motor Gasoline Blend Comp. (MGBC)	--	0	--	0	186	-2	30	154	2	0
Reformulated	--	0	--	--	28	-3	-1	26	--	0
Conventional	--	--	--	0	158	1	30	128	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>1</b>	<b>4,224</b>	<b>38</b>	<b>50</b>	<b>41</b>	<b>-183</b>	<b>--</b>	<b>50</b>	<b>4,487</b>
Finished Motor Gasoline	--	1	2,443	--	-13	12	17	--	9	2,417
Reformulated	--	--	314	--	--	5	--	--	--	319
Conventional	--	1	2,128	--	-13	8	17	--	9	2,098
Finished Aviation Gasoline	--	--	2	0	1	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	159	--	47	--	-3	--	1	208
Kerosene	--	--	9	--	--	--	1	--	0	9
Distillate Fuel Oil	--	--	1,076	7	82	29	-157	--	7	1,343
15 ppm sulfur and under	--	--	1,077	6	80	29	-153	--	0	1,345
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	2	--	-3	--	0	8
Greater than 500 ppm sulfur	--	--	-4	1	--	--	-1	--	7	-9
Residual Fuel Oil	--	--	32	1	-13	--	-4	--	4	21
Less than 0.31 percent sulfur	--	--	3	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	11	1	-9	--	-4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	19	1	-4	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	24	5	-3	--	-2	--	--	28
Naphtha for Petro. Feed. Use	--	--	14	3	-3	--	-3	--	--	16
Other Oils for Petro. Feed. Use	--	--	10	2	0	--	0	--	--	12
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	8	6	6	--	0	--	7	15
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	187	1	-41	--	0	--	13	134
Marketable	--	--	141	1	-41	--	0	--	13	87
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	133	17	-17	--	-37	--	9	162
Still Gas	--	--	134	--	--	--	--	--	--	134
Miscellaneous Products	--	--	16	--	-1	--	0	--	0	14
<b>Total</b>	<b>2,823</b>	<b>975</b>	<b>4,263</b>	<b>2,581</b>	<b>-1,148</b>	<b>-56</b>	<b>-92</b>	<b>4,033</b>	<b>503</b>	<b>4,994</b>

-- = Not Applicable.

NA = 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> 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> 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> 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>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.

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 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-October 2020**  
(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>1,846</b>	<b>--</b>	<b>--</b>	<b>2,612</b>	<b>-704</b>	<b>-78</b>	<b>65</b>	<b>3,451</b>	<b>161</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>998</b>	<b>-17</b>	<b>116</b>	<b>60</b>	<b>-470</b>	<b>--</b>	<b>50</b>	<b>82</b>	<b>302</b>	<b>254</b>
Natural Gas Liquids	998	-17	75	53	-445	--	49	82	302	231
Ethane	340	--	--	--	-116	--	2	--	94	128
Propane	358	--	70	42	-321	--	20	--	6	123
Normal Butane	119	--	11	6	-115	--	23	18	7	-26
Isobutane	64	--	-6	5	-1	--	1	45	0	16
Natural Gasoline	116	-17	--	0	108	--	3	19	195	-9
Refinery Olefins	--	--	42	7	-24	--	1	--	--	23
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	5	-24	--	0	--	--	20
Normal Butylene	--	--	2	2	--	--	1	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>926</b>	<b>--</b>	<b>12</b>	<b>-404</b>	<b>-88</b>	<b>-27</b>	<b>433</b>	<b>70</b>	<b>-31</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	926	--	3	-599	-34	0	272	24	0
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	926	--	3	-599	-72	0	234	24	0
Fuel Ethanol	--	841	--	--	-571	-33	0	219	18	0
Renewable Fuels Except Fuel Ethanol	--	84	--	3	-27	-39	0	15	6	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-9	--	-4	-15	43	-31
Motor Gasoline Blend Comp. (MGBC)	--	0	--	7	203	-54	-24	176	4	0
Reformulated	--	0	--	--	52	-18	-3	37	0	0
Conventional	--	0	--	7	152	-37	-21	139	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>2</b>	<b>4,056</b>	<b>35</b>	<b>55</b>	<b>126</b>	<b>-22</b>	<b>--</b>	<b>37</b>	<b>4,259</b>
Finished Motor Gasoline	--	2	2,284	0	-2	87	0	--	7	2,365
Reformulated	--	--	300	--	--	23	--	--	--	323
Conventional	--	2	1,985	0	-2	64	0	--	7	2,042
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	174	--	39	--	0	--	3	210
Kerosene	--	--	3	--	0	--	0	--	0	4
Distillate Fuel Oil	--	--	1,060	7	91	39	-14	--	5	1,206
15 ppm sulfur and under	--	--	1,061	6	88	39	-13	--	0	1,207
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	3	--	-1	--	0	6
Greater than 500 ppm sulfur	--	--	-5	0	0	--	0	--	4	-8
Residual Fuel Oil	--	--	30	3	-20	--	0	--	6	8
Less than 0.31 percent sulfur	--	--	2	--	-1	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	1	-11	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	17	1	-8	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	26	5	-3	--	0	--	--	29
Naphtha for Petro. Feed. Use	--	--	15	3	-2	--	0	--	--	16
Other Oils for Petro. Feed. Use	--	--	11	2	0	--	0	--	--	13
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	6	4	6	--	0	--	6	10
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	176	1	-33	--	0	--	7	137
Marketable	--	--	133	1	-33	--	0	--	7	94
Catalyst	--	--	43	--	--	--	--	--	--	43
Asphalt and Road Oil	--	--	148	14	-22	--	-7	--	3	144
Still Gas	--	--	132	--	--	--	--	--	--	132
Miscellaneous Products	--	--	15	--	-1	--	0	--	0	14
<b>Total</b>	<b>2,845</b>	<b>911</b>	<b>4,173</b>	<b>2,719</b>	<b>-1,522</b>	<b>-40</b>	<b>66</b>	<b>3,965</b>	<b>571</b>	<b>4,483</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> 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> 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> 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>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.

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 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, October 2020**  
(Thousand Barrels)

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>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>214,263</b>	<b>--</b>	<b>--</b>	<b>37,379</b>	<b>21,576</b>	<b>16,692</b>	<b>-12,573</b>	<b>218,513</b>	<b>83,970</b>	<b>0</b>	<b>899,986</b>
<b>Hydrocarbon Gas Liquids</b>	<b>95,260</b>	<b>-8</b>	<b>10,413</b>	<b>29</b>	<b>22,774</b>	<b>--</b>	<b>-6,233</b>	<b>10,087</b>	<b>51,751</b>	<b>72,863</b>	<b>197,957</b>
Natural Gas Liquids	95,260	-8	4,066	--	22,251	--	-6,831	10,087	51,751	66,562	194,820
Ethane	42,788	--	161	--	12,436	--	5,942	--	4,786	44,657	70,022
Propane	28,212	--	4,228	--	6,325	--	-4,070	--	34,951	7,884	54,539
Normal Butane	5,472	--	-10	--	3,424	--	-7,795	4,722	11,429	530	34,753
Isobutane	9,329	--	-313	--	786	--	-31	3,518	504	5,811	10,310
Natural Gasoline	9,459	-8	--	--	-720	--	-877	1,847	82	7,679	25,196
Refinery Olefins	--	--	6,347	29	523	--	598	--	--	6,301	3,137
Ethylene	--	--	--	--	--	--	0	--	--	0	0
Propylene	--	--	6,791	--	523	--	-186	--	--	7,500	820
Normal Butylene	--	--	-420	29	--	--	784	--	--	-1,175	2,317
Isobutylene	--	--	-24	--	--	--	0	--	--	-24	0
<b>Other Liquids</b>	<b>--</b>	<b>1,115</b>	<b>--</b>	<b>13,421</b>	<b>-59,783</b>	<b>11,589</b>	<b>-151</b>	<b>-44,267</b>	<b>12,313</b>	<b>-1,552</b>	<b>121,701</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,115	--	--	6,170	3,035	361	7,993	1,967	0	5,363
Hydrogen	--	--	--	--	--	3,313	--	3,313	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,115	--	--	6,170	-278	361	4,680	1,967	0	5,363
Fuel Ethanol	--	408	--	--	6,017	19	121	4,379	1,944	0	3,407
Renewable Fuels Except Fuel Ethanol	--	707	--	--	153	-297	240	301	23	0	1,956
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	12,050	-152	--	-940	5,678	8,701	-1,541	44,276
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,371	-65,801	8,554	426	-57,947	1,645	0	72,034
Reformulated	--	--	--	--	-10,433	6,047	105	-4,493	2	0	10,336
Conventional	--	--	--	1,371	-55,368	2,507	321	-53,454	1,643	0	61,698
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	2	9	--	-11	28
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>188,766</b>	<b>6,775</b>	<b>-40,322</b>	<b>-7,719</b>	<b>-9,322</b>	<b>--</b>	<b>71,835</b>	<b>84,986</b>	<b>110,244</b>
Finished Motor Gasoline	--	--	66,925	405	-3,311	-8,573	1,538	--	23,578	30,330	9,606
Reformulated	--	--	13,104	--	--	-6,583	--	--	--	6,521	--
Conventional	--	--	53,821	405	-3,311	-1,990	1,538	--	23,578	23,809	9,606
Finished Aviation Gasoline	--	--	297	--	-127	--	10	--	--	160	485
Kerosene-Type Jet Fuel	--	--	12,272	--	-8,677	--	-2,146	--	1,027	4,714	12,516
Kerosene	--	--	63	--	-39	--	68	--	331	-375	212
Distillate Fuel Oil	--	--	71,542	9	-28,381	854	-8,803	--	31,254	21,572	50,943
15 ppm sulfur and under	--	--	68,645	9	-27,532	854	-8,133	--	28,511	21,597	45,314
Greater than 15 ppm to 500 ppm sulfur	--	--	546	--	-73	--	-233	--	948	-242	1,127
Greater than 500 ppm sulfur	--	--	2,351	--	-776	--	-437	--	1,795	217	4,502
Residual Fuel Oil	--	--	880	3,827	656	--	-479	--	1,943	3,899	16,498
Less than 0.31 percent sulfur	--	--	253	338	--	--	-340	--	NA	NA	1,233
0.31 to 1.00 percent sulfur	--	--	341	2,065	542	--	210	--	NA	NA	3,931
Greater than 1.00 percent sulfur	--	--	286	1,424	114	--	-349	--	NA	NA	11,334
Petrochemical Feedstocks	--	--	7,218	339	0	--	-236	--	--	7,793	2,052
Naphtha for Petro. Feed. Use	--	--	4,841	288	-5	--	-186	--	--	5,310	1,450
Other Oils for Petro. Feed. Use	--	--	2,377	51	5	--	-50	--	--	2,483	602
Special Naphthas	--	--	1,020	572	-22	--	29	--	--	1,541	826
Lubricants	--	--	3,986	1,336	-703	--	121	--	2,618	1,880	7,169
Waxes	--	--	120	28	--	--	21	--	31	96	218
Petroleum Coke	--	--	11,559	259	543	--	897	--	10,275	1,189	4,723
Marketable	--	--	8,526	259	543	--	897	--	10,275	-1,844	4,723
Catalyst	--	--	3,033	--	--	--	--	--	--	3,033	--
Asphalt and Road Oil	--	--	2,207	--	-255	--	-316	--	759	1,509	4,692
Still Gas	--	--	9,340	--	--	--	--	--	--	9,340	--
Miscellaneous Products	--	--	1,337	--	-6	--	-26	--	20	1,337	304
<b>Total</b>	<b>309,523</b>	<b>1,107</b>	<b>199,179</b>	<b>57,604</b>	<b>-55,755</b>	<b>20,562</b>	<b>-28,279</b>	<b>184,333</b>	<b>219,870</b>	<b>156,297</b>	<b>1,329,888</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> 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> 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> 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>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.

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 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-October 2020**  
(Thousand Barrels)

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>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>2,356,503</b>	--	--	<b>482,169</b>	<b>300,344</b>	<b>146,045</b>	<b>43,914</b>	<b>2,338,064</b>	<b>903,082</b>	<b>0</b>	<b>899,986</b>
<b>Hydrocarbon Gas Liquids</b>	<b>912,753</b>	<b>-99</b>	<b>122,230</b>	<b>195</b>	<b>224,271</b>	--	<b>51,095</b>	<b>87,699</b>	<b>442,879</b>	<b>677,677</b>	<b>197,957</b>
Natural Gas Liquids	912,753	-99	63,229	35	220,384	--	50,217	87,699	442,879	615,507	194,820
Ethane	394,888	--	1,916	--	123,141	--	19,333	--	40,849	459,763	70,022
Propane	277,377	--	43,294	35	72,140	--	4,867	--	315,469	72,510	54,539
Normal Butane	57,413	--	21,680	--	30,693	--	8,617	28,946	84,595	-12,372	34,753
Isobutane	89,826	--	-3,661	--	8,632	--	1,831	34,917	1,311	56,738	10,310
Natural Gasoline	93,249	-99	--	--	-14,222	--	15,569	23,836	654	38,869	25,196
Refinery Olefins	--	--	59,001	160	3,887	--	878	--	--	62,170	3,137
Ethylene	--	--	73	--	--	--	0	--	--	73	--
Propylene	--	--	61,620	--	3,887	--	-404	--	--	65,911	820
Normal Butylene	--	--	-2,410	160	--	--	1,287	--	--	-3,537	2,317
Isobutylene	--	--	-282	--	--	--	-5	--	--	-277	0
<b>Other Liquids</b>	<b>--</b>	<b>10,587</b>	<b>--</b>	<b>149,538</b>	<b>-536,622</b>	<b>64,989</b>	<b>-15,518</b>	<b>-425,879</b>	<b>100,078</b>	<b>29,811</b>	<b>121,701</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10,587	--	346	50,976	35,456	-189	79,035	18,518	0	5,363
Hydrogen	--	--	--	--	--	35,373	--	35,373	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10,587	--	273	50,976	156	-189	43,662	18,518	0	5,363
Fuel Ethanol	--	4,566	--	--	50,464	3,396	-556	40,912	18,071	0	3,407
Renewable Fuels Except Fuel Ethanol	--	6,021	--	273	511	-3,241	367	2,750	447	0	1,956
Other Hydrocarbons	--	--	--	73	--	-73	--	--	--	0	--
Unfinished Oils	--	--	--	135,761	2,188	--	-4,960	46,763	66,171	29,975	44,276
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	13,431	-589,786	29,534	-10,355	-551,855	15,389	0	72,034
Reformulated	--	--	--	--	-112,289	47,599	-651	-64,578	539	0	10,336
Conventional	--	--	--	13,431	-477,497	-18,065	-9,704	-487,277	14,850	0	61,698
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-14	178	--	-164	28
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,033,801</b>	<b>55,520</b>	<b>-429,781</b>	<b>-26,878</b>	<b>-118</b>	<b>--</b>	<b>739,440</b>	<b>893,339</b>	<b>110,244</b>
Finished Motor Gasoline	--	--	614,984	594	-30,704	-32,930	207	--	193,432	358,305	9,606
Reformulated	--	--	119,884	--	--	-44,982	--	--	--	74,902	--
Conventional	--	--	495,100	594	-30,704	12,052	207	--	193,432	283,403	9,606
Finished Aviation Gasoline	--	--	2,424	127	-850	--	-75	--	--	1,776	485
Kerosene-Type Jet Fuel	--	--	158,152	2,511	-98,753	--	-1,861	--	23,018	40,753	12,516
Kerosene	--	--	1,396	--	-1,415	--	-71	--	911	-859	212
Distillate Fuel Oil	--	--	848,894	47	-300,874	6,052	6,586	--	334,764	212,768	50,943
15 ppm sulfur and under	--	--	788,522	47	-290,068	6,052	8,778	--	285,610	210,165	45,314
Greater than 15 ppm to 500 ppm sulfur	--	--	27,911	--	-1,820	--	-950	--	26,436	605	1,127
Greater than 500 ppm sulfur	--	--	32,461	--	-8,986	--	-1,242	--	22,718	1,999	4,502
Residual Fuel Oil	--	--	18,284	33,568	5,101	--	-1,111	--	34,211	23,853	16,498
Less than 0.31 percent sulfur	--	--	7,639	912	-738	--	-400	--	NA	NA	1,233
0.31 to 1.00 percent sulfur	--	--	5,167	5,049	3,514	--	1,155	--	NA	NA	3,931
Greater than 1.00 percent sulfur	--	--	5,478	27,607	2,325	--	-1,866	--	NA	NA	11,334
Petrochemical Feedstocks	--	--	71,806	3,327	567	--	-529	--	--	76,229	2,052
Naphtha for Petro. Feed. Use	--	--	46,090	2,995	531	--	-272	--	--	49,888	1,450
Other Oils for Petro. Feed. Use	--	--	25,716	332	36	--	-257	--	--	26,341	602
Special Naphthas	--	--	9,186	4,104	-161	--	-144	--	--	13,273	826
Lubricants	--	--	35,374	8,201	-6,707	--	-2,527	--	21,893	17,502	7,169
Waxes	--	--	896	301	--	--	-58	--	352	903	218
Petroleum Coke	--	--	132,327	2,618	6,722	--	-332	--	125,174	16,826	4,723
Marketable	--	--	102,790	2,618	6,722	--	-332	--	125,174	-12,711	4,723
Catalyst	--	--	29,537	--	--	--	--	--	--	29,537	--
Asphalt and Road Oil	--	--	23,748	122	-2,678	--	-98	--	5,453	15,837	4,692
Still Gas	--	--	101,453	--	--	--	--	--	--	101,453	--
Miscellaneous Products	--	--	14,877	--	-30	--	-105	--	231	14,721	304
<b>Total</b>	<b>3,269,256</b>	<b>10,488</b>	<b>2,156,031</b>	<b>687,422</b>	<b>-441,789</b>	<b>184,156</b>	<b>79,373</b>	<b>1,999,884</b>	<b>2,185,479</b>	<b>1,600,827</b>	<b>1,329,888</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> 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> 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> 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>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.

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 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, October 2020**  
(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>6,912</b>	<b>--</b>	<b>--</b>	<b>1,206</b>	<b>696</b>	<b>538</b>	<b>-406</b>	<b>7,049</b>	<b>2,709</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>3,073</b>	<b>0</b>	<b>336</b>	<b>1</b>	<b>735</b>	<b>--</b>	<b>-201</b>	<b>325</b>	<b>1,669</b>	<b>2,350</b>
Natural Gas Liquids	3,073	0	131	--	718	--	-220	325	1,669	2,147
Ethane	1,380	--	5	--	401	--	192	--	154	1,441
Propane	910	--	136	--	204	--	-131	--	1,127	254
Normal Butane	177	--	0	--	110	--	-251	152	369	17
Isobutane	301	--	-10	--	25	--	-1	113	16	187
Natural Gasoline	305	0	--	--	-23	--	-28	60	3	248
Refinery Olefins	--	--	205	1	17	--	19	--	--	203
Ethylene	--	--	--	--	--	--	0	--	--	0
Propylene	--	--	219	--	17	--	-6	--	--	242
Normal Butylene	--	--	-14	1	--	--	25	--	--	-38
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	<b>--</b>	<b>36</b>	<b>--</b>	<b>433</b>	<b>-1,928</b>	<b>374</b>	<b>-5</b>	<b>-1,428</b>	<b>397</b>	<b>-50</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	36	--	--	199	98	12	258	63	0
Hydrogen	--	--	--	--	--	107	--	107	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	36	--	--	199	-9	12	151	63	0
Fuel Ethanol	--	13	--	--	194	1	4	141	63	0
Renewable Fuels Except Fuel Ethanol	--	23	--	--	5	-10	8	10	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	389	-5	--	-30	183	281	-50
Motor Gasoline Blend Comp. (MGBC)	--	--	--	44	-2,123	276	14	-1,869	53	0
Reformulated	--	--	--	--	-337	195	3	-145	0	0
Conventional	--	--	--	44	-1,786	81	10	-1,724	53	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>6,089</b>	<b>219</b>	<b>-1,301</b>	<b>-249</b>	<b>-301</b>	<b>--</b>	<b>2,317</b>	<b>2,741</b>
Finished Motor Gasoline	--	--	2,159	13	-107	-277	50	--	761	978
Reformulated	--	--	423	--	--	-212	--	--	--	210
Conventional	--	--	1,736	13	-107	-64	50	--	761	768
Finished Aviation Gasoline	--	--	10	--	-4	--	0	--	--	5
Kerosene-Type Jet Fuel	--	--	396	--	-280	--	-69	--	33	152
Kerosene	--	--	2	--	-1	--	2	--	11	-12
Distillate Fuel Oil	--	--	2,308	0	-916	28	-284	--	1,008	696
15 ppm sulfur and under	--	--	2,214	0	-888	28	-262	--	920	697
Greater than 15 ppm to 500 ppm sulfur	--	--	18	--	-2	--	-8	--	31	-8
Greater than 500 ppm sulfur	--	--	76	--	-25	--	-14	--	58	7
Residual Fuel Oil	--	--	28	123	21	--	-15	--	63	126
Less than 0.31 percent sulfur	--	--	8	11	--	--	-11	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	11	67	17	--	7	--	NA	NA
Greater than 1.00 percent sulfur	--	--	9	46	4	--	-11	--	NA	NA
Petrochemical Feedstocks	--	--	233	11	0	--	-8	--	--	251
Naphtha for Petro. Feed. Use	--	--	156	9	0	--	-6	--	--	171
Other Oils for Petro. Feed. Use	--	--	77	2	0	--	-2	--	--	80
Special Naphthas	--	--	33	18	-1	--	1	--	--	50
Lubricants	--	--	129	43	-23	--	4	--	84	61
Waxes	--	--	4	1	--	--	1	--	1	3
Petroleum Coke	--	--	373	8	18	--	29	--	331	38
Marketable	--	--	275	8	18	--	29	--	331	-59
Catalyst	--	--	98	--	--	--	--	--	--	98
Asphalt and Road Oil	--	--	71	--	-8	--	-10	--	24	49
Still Gas	--	--	301	--	--	--	--	--	--	301
Miscellaneous Products	--	--	43	--	0	--	-1	--	1	43
<b>Total</b>	<b>9,985</b>	<b>36</b>	<b>6,425</b>	<b>1,858</b>	<b>-1,799</b>	<b>663</b>	<b>-912</b>	<b>5,946</b>	<b>7,093</b>	<b>5,042</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> 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> 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> 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>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.

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 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-October 2020**  
(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>7,726</b>	<b>--</b>	<b>--</b>	<b>1,581</b>	<b>985</b>	<b>479</b>	<b>144</b>	<b>7,666</b>	<b>2,961</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,993</b>	<b>0</b>	<b>401</b>	<b>1</b>	<b>735</b>	<b>--</b>	<b>168</b>	<b>288</b>	<b>1,452</b>	<b>2,222</b>
Natural Gas Liquids .....	2,993	0	207	0	723	--	165	288	1,452	2,018
Ethane .....	1,295	--	6	--	404	--	63	--	134	1,507
Propane .....	909	--	142	0	237	--	16	--	1,034	238
Normal Butane .....	188	--	71	--	101	--	28	95	277	-41
Isobutane .....	295	--	-12	--	28	--	6	114	4	186
Natural Gasoline .....	306	0	--	--	-47	--	51	78	2	127
Refinery Olefins .....	--	--	193	1	13	--	3	--	--	204
Ethylene .....	--	--	0	--	--	--	0	--	--	0
Propylene .....	--	--	202	--	13	--	-1	--	--	216
Normal Butylene .....	--	--	-8	1	--	--	4	--	--	-12
Isobutylene .....	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b> .....	<b>--</b>	<b>35</b>	<b>--</b>	<b>490</b>	<b>-1,759</b>	<b>213</b>	<b>-51</b>	<b>-1,396</b>	<b>328</b>	<b>98</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	35	--	1	167	116	-1	259	61	0
Hydrogen .....	--	--	--	--	--	116	--	116	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	35	--	1	167	1	-1	143	61	0
Fuel Ethanol .....	--	15	--	--	165	11	-2	134	59	0
Renewable Fuels Except Fuel Ethanol .....	--	20	--	1	2	-11	1	9	1	0
Other Hydrocarbons .....	--	--	--	0	--	0	--	--	--	0
Unfinished Oils .....	--	--	--	445	7	--	-16	153	217	98
Motor Gasoline Blend Comp. (MGBC) .....	--	--	--	44	-1,934	97	-34	-1,809	50	0
Reformulated .....	--	--	--	--	-368	156	-2	-212	2	0
Conventional .....	--	--	--	44	-1,566	-59	-32	-1,598	49	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	0	1	--	-1
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>6,668</b>	<b>182</b>	<b>-1,409</b>	<b>-88</b>	<b>0</b>	<b>--</b>	<b>2,424</b>	<b>2,929</b>
Finished Motor Gasoline .....	--	--	2,016	2	-101	-108	1	--	634	1,175
Reformulated .....	--	--	393	--	--	-147	--	--	--	246
Conventional .....	--	--	1,623	2	-101	40	1	--	634	929
Finished Aviation Gasoline .....	--	--	8	0	-3	--	0	--	--	6
Kerosene-Type Jet Fuel .....	--	--	519	8	-324	--	-6	--	75	134
Kerosene .....	--	--	5	--	-5	--	0	--	3	-3
Distillate Fuel Oil .....	--	--	2,783	0	-986	20	22	--	1,098	698
15 ppm sulfur and under .....	--	--	2,585	0	-951	20	29	--	936	689
Greater than 15 ppm to 500 ppm sulfur .....	--	--	92	--	-6	--	-3	--	87	2
Greater than 500 ppm sulfur .....	--	--	106	--	-29	--	-4	--	74	7
Residual Fuel Oil .....	--	--	60	110	17	--	-4	--	112	78
Less than 0.31 percent sulfur .....	--	--	25	3	-2	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	17	17	12	--	4	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	18	91	8	--	-6	--	NA	NA
Petrochemical Feedstocks .....	--	--	235	11	2	--	-2	--	--	250
Naphtha for Petro. Feed. Use .....	--	--	151	10	2	--	-1	--	--	164
Other Oils for Petro. Feed. Use .....	--	--	84	1	0	--	-1	--	--	86
Special Naphthas .....	--	--	30	13	-1	--	0	--	--	44
Lubricants .....	--	--	116	27	-22	--	-8	--	72	57
Waxes .....	--	--	3	1	--	--	0	--	1	3
Petroleum Coke .....	--	--	434	9	22	--	-1	--	410	55
Marketable .....	--	--	337	9	22	--	-1	--	410	-42
Catalyst .....	--	--	97	--	--	--	--	--	--	97
Asphalt and Road Oil .....	--	--	78	0	-9	--	0	--	18	52
Still Gas .....	--	--	333	--	--	--	--	--	--	333
Miscellaneous Products .....	--	--	49	--	0	--	0	--	1	48
<b>Total</b> .....	<b>10,719</b>	<b>34</b>	<b>7,069</b>	<b>2,254</b>	<b>-1,448</b>	<b>604</b>	<b>260</b>	<b>6,557</b>	<b>7,166</b>	<b>5,249</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> 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> 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> 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>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.

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 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, October 2020**  
(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>23,792</b>	<b>--</b>	<b>--</b>	<b>10,847</b>	<b>-16,815</b>	<b>-633</b>	<b>712</b>	<b>16,479</b>	<b>--</b>	<b>0</b>	<b>24,056</b>
<b>Hydrocarbon Gas Liquids</b>	<b>16,194</b>	<b>-6</b>	<b>95</b>	<b>371</b>	<b>-14,654</b>	<b>--</b>	<b>-303</b>	<b>574</b>	<b>81</b>	<b>1,648</b>	<b>8,012</b>
Natural Gas Liquids	16,194	-6	35	371	-14,654	--	-231	574	81	1,516	7,993
Ethane	5,266	--	--	--	-5,137	--	-14	--	0	143	1,180
Propane	5,521	--	209	310	-4,809	--	-34	--	1	1,264	3,171
Normal Butane	2,167	--	-136	59	-1,859	--	-164	299	6	90	2,500
Isobutane	991	--	-38	2	-932	--	9	171	--	-157	424
Natural Gasoline	2,249	-6	--	--	-1,917	--	-28	104	73	177	718
Refinery Olefins	--	--	60	--	--	--	-72	--	--	132	19
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	31	--	--	--	1	--	--	30	1
Normal Butylene	--	--	29	--	--	--	-73	--	--	102	18
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>314</b>	<b>--</b>	<b>108</b>	<b>945</b>	<b>-1,003</b>	<b>71</b>	<b>226</b>	<b>45</b>	<b>23</b>	<b>8,947</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	314	--	75	410	371	3	1,123	45	0	455
Hydrogen	--	--	--	--	--	196	--	196	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	314	--	75	410	175	3	927	45	0	455
Fuel Ethanol	--	314	--	--	389	200	5	853	45	0	383
Renewable Fuels Except Fuel Ethanol	--	--	--	75	22	-25	-2	74	--	0	72
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	47	-70	0	23	2,758
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	33	535	-1,374	21	-827	--	0	5,734
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	33	535	-1,374	21	-827	--	0	5,734
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>17,845</b>	<b>108</b>	<b>-1,087</b>	<b>1,229</b>	<b>-956</b>	<b>--</b>	<b>69</b>	<b>18,982</b>	<b>7,039</b>
Finished Motor Gasoline	--	--	8,833	--	-570	1,174	-25	--	0	9,462	1,854
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	8,833	--	-570	1,174	-25	--	0	9,462	1,854
Finished Aviation Gasoline	--	--	6	1	--	--	0	--	--	7	6
Kerosene-Type Jet Fuel	--	--	800	--	311	--	7	--	--	1,104	676
Kerosene	--	--	--	--	--	--	0	--	--	0	1
Distillate Fuel Oil	--	--	5,449	88	-20	55	-915	--	--	6,487	2,958
15 ppm sulfur and under	--	--	5,445	87	-20	55	-861	--	--	6,428	2,787
Greater than 15 ppm to 500 ppm sulfur	--	--	58	--	--	--	0	--	--	58	145
Greater than 500 ppm sulfur	--	--	-54	1	--	--	-54	--	--	1	26
Residual Fuel Oil	--	--	363	--	--	--	-9	--	54	318	181
Less than 0.31 percent sulfur	--	--	223	--	--	--	2	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	--	9	--	--	--	0	--	NA	NA	3
Greater than 1.00 percent sulfur	--	--	131	--	--	--	-11	--	NA	NA	149
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	9	-9	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	595	--	-262	--	32	--	--	301	150
Marketable	--	--	397	--	-262	--	32	--	--	103	150
Catalyst	--	--	198	--	--	--	--	--	--	198	--
Asphalt and Road Oil	--	--	1,160	18	-546	--	-40	--	5	667	1,200
Still Gas	--	--	543	--	--	--	--	--	--	543	--
Miscellaneous Products	--	--	96	1	--	--	-6	--	--	103	13
<b>Total</b>	<b>39,986</b>	<b>308</b>	<b>17,940</b>	<b>11,434</b>	<b>-31,611</b>	<b>-407</b>	<b>-476</b>	<b>17,279</b>	<b>194</b>	<b>20,653</b>	<b>48,054</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> 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> 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> 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>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.

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 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-October 2020**  
(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>258,950</b>	<b>--</b>	<b>--</b>	<b>114,043</b>	<b>-186,842</b>	<b>-14,123</b>	<b>376</b>	<b>171,438</b>	<b>214</b>	<b>0</b>	<b>24,056</b>
<b>Hydrocarbon Gas Liquids</b>	<b>151,728</b>	<b>-74</b>	<b>2,981</b>	<b>3,391</b>	<b>-107,896</b>	<b>--</b>	<b>4,160</b>	<b>4,798</b>	<b>959</b>	<b>40,213</b>	<b>8,012</b>
Natural Gas Liquids	151,728	-74	2,317	3,391	-107,896	--	4,216	4,798	959	39,493	7,993
Ethane	43,863	--	--	--	-36,671	--	624	--	0	6,568	1,180
Propane	54,302	--	2,272	2,893	-33,150	--	1,478	--	4	24,835	3,171
Normal Butane	21,189	--	305	417	-14,338	--	1,615	1,756	433	3,769	2,500
Isobutane	10,177	--	-260	81	-8,007	--	151	1,734	--	106	424
Natural Gasoline	22,197	-74	--	--	-15,730	--	348	1,308	522	4,215	718
Refinery Olefins	--	--	664	--	--	--	-56	--	--	720	19
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	100	--	--	--	1	--	--	99	1
Normal Butylene	--	--	564	--	--	--	-57	--	--	621	18
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>2,981</b>	<b>--</b>	<b>1,186</b>	<b>7,011</b>	<b>-8,275</b>	<b>-1,054</b>	<b>2,699</b>	<b>346</b>	<b>912</b>	<b>8,947</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	2,981	--	418	3,721	3,893	-7	10,677	344	0	455
Hydrogen	--	--	--	--	--	2,033	--	2,033	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,981	--	418	3,721	1,860	-7	8,644	344	0	455
Fuel Ethanol	--	2,981	--	--	3,385	1,989	-17	8,108	264	0	383
Renewable Fuels Except Fuel Ethanol	--	0	--	418	336	-129	10	536	80	0	72
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-423	-491	2	912	2,758
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	768	3,290	-12,169	-624	-7,487	0	0	5,734
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	768	3,290	-12,169	-624	-7,487	0	0	5,734
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>183,230</b>	<b>1,918</b>	<b>-11,933</b>	<b>10,348</b>	<b>-2,241</b>	<b>--</b>	<b>248</b>	<b>185,556</b>	<b>7,039</b>
Finished Motor Gasoline	--	--	86,291	26	-6,005	10,179	-67	--	8	90,550	1,854
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	86,291	26	-6,005	10,179	-67	--	8	90,550	1,854
Finished Aviation Gasoline	--	--	49	3	--	--	-2	--	--	54	6
Kerosene-Type Jet Fuel	--	--	7,027	164	4,038	--	-33	--	--	11,262	676
Kerosene	--	--	2	--	--	--	0	--	--	2	1
Distillate Fuel Oil	--	--	59,708	1,442	-1,598	169	-1,690	--	0	61,411	2,958
15 ppm sulfur and under	--	--	59,012	1,441	-1,648	169	-1,636	--	0	60,610	2,787
Greater than 15 ppm to 500 ppm sulfur	--	--	758	--	50	--	7	--	--	801	145
Greater than 500 ppm sulfur	--	--	-62	1	--	--	-61	--	--	0	26
Residual Fuel Oil	--	--	3,403	--	--	--	-76	--	108	3,371	181
Less than 0.31 percent sulfur	--	--	1,872	--	--	--	-4	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	--	194	--	--	--	-14	--	NA	NA	3
Greater than 1.00 percent sulfur	--	--	1,337	--	--	--	-58	--	NA	NA	149
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	93	-93	--
Waxes	--	--	--	--	--	--	--	--	2	-2	--
Petroleum Coke	--	--	6,752	--	-2,329	--	-39	--	1	4,461	150
Marketable	--	--	4,686	--	-2,329	--	-39	--	1	2,395	150
Catalyst	--	--	2,066	--	--	--	--	--	--	2,066	--
Asphalt and Road Oil	--	--	12,611	273	-6,039	--	-330	--	35	7,140	1,200
Still Gas	--	--	6,289	--	--	--	--	--	--	6,289	--
Miscellaneous Products	--	--	1,098	10	--	--	-4	--	1	1,111	13
<b>Total</b>	<b>410,678</b>	<b>2,907</b>	<b>186,211</b>	<b>120,538</b>	<b>-299,660</b>	<b>-12,050</b>	<b>1,241</b>	<b>178,935</b>	<b>1,767</b>	<b>226,681</b>	<b>48,054</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> 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> 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> 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>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.

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 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, October 2020**  
(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>767</b>	<b>--</b>	<b>--</b>	<b>350</b>	<b>-542</b>	<b>-20</b>	<b>23</b>	<b>532</b>	<b>-</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>522</b>	<b>0</b>	<b>3</b>	<b>12</b>	<b>-473</b>	<b>--</b>	<b>-10</b>	<b>19</b>	<b>3</b>	<b>53</b>
Natural Gas Liquids	522	0	1	12	-473	--	-7	19	3	49
Ethane	170	--	--	--	-166	--	0	--	0	5
Propane	178	--	7	10	-155	--	-1	--	0	41
Normal Butane	70	--	-4	2	-60	--	-5	10	0	3
Isobutane	32	--	-1	0	-30	--	0	6	--	-5
Natural Gasoline	73	0	--	--	-62	--	-1	3	2	6
Refinery Olefins	--	--	2	--	--	--	-2	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	1	--	--	--	-2	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>3</b>	<b>30</b>	<b>-32</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>1</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10	--	2	13	12	0	36	1	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10	--	2	13	6	0	30	1	0
Fuel Ethanol	--	10	--	--	13	6	0	28	1	0
Renewable Fuels Except Fuel Ethanol	--	--	--	2	1	-1	0	2	--	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	2	-2	0	1
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	17	-44	1	-27	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	1	17	-44	1	-27	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>576</b>	<b>3</b>	<b>-35</b>	<b>40</b>	<b>-31</b>	<b>--</b>	<b>2</b>	<b>612</b>
Finished Motor Gasoline	--	--	285	--	-18	38	-1	--	0	305
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	285	--	-18	38	-1	--	0	305
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	26	--	10	--	0	--	--	36
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	176	3	-1	2	-30	--	--	209
15 ppm sulfur and under	--	--	176	3	-1	2	-28	--	--	207
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	0	--	--	2
Greater than 500 ppm sulfur	--	--	-2	0	--	--	-2	--	--	0
Residual Fuel Oil	--	--	12	--	--	--	0	--	2	10
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	19	--	-8	--	1	--	--	10
Marketable	--	--	13	--	-8	--	1	--	--	3
Catalyst	--	--	6	--	--	--	--	--	--	6
Asphalt and Road Oil	--	--	37	1	-18	--	-1	--	0	22
Still Gas	--	--	18	--	--	--	--	--	--	18
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
<b>Total</b>	<b>1,290</b>	<b>10</b>	<b>579</b>	<b>369</b>	<b>-1,020</b>	<b>-13</b>	<b>-15</b>	<b>557</b>	<b>6</b>	<b>666</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> 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> 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> 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>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.

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 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-October 2020**  
(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>849</b>	<b>--</b>	<b>--</b>	<b>374</b>	<b>-613</b>	<b>-46</b>	<b>1</b>	<b>562</b>	<b>1</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>497</b>	<b>0</b>	<b>10</b>	<b>11</b>	<b>-354</b>	<b>--</b>	<b>14</b>	<b>16</b>	<b>3</b>	<b>132</b>
Natural Gas Liquids	497	0	8	11	-354	--	14	16	3	129
Ethane	144	--	--	--	-120	--	2	--	0	22
Propane	178	--	7	9	-109	--	5	--	0	81
Normal Butane	69	--	1	1	-47	--	5	6	1	12
Isobutane	33	--	-1	0	-26	--	0	6	--	0
Natural Gasoline	73	0	--	--	-52	--	1	4	2	14
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>4</b>	<b>23</b>	<b>-27</b>	<b>-3</b>	<b>9</b>	<b>1</b>	<b>3</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10	--	1	12	13	0	35	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10	--	1	12	6	0	28	1	0
Fuel Ethanol	--	10	--	--	11	7	0	27	1	0
Renewable Fuels Except Fuel Ethanol	--	0	--	1	1	0	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-1	-2	0	3
Motor Gasoline Blend Comp. (MGBC)	--	--	--	3	11	-40	-2	-25	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	3	11	-40	-2	-25	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>601</b>	<b>6</b>	<b>-39</b>	<b>34</b>	<b>-7</b>	<b>--</b>	<b>1</b>	<b>608</b>
Finished Motor Gasoline	--	--	283	0	-20	33	0	--	0	297
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	283	0	-20	33	0	--	0	297
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	23	1	13	--	0	--	--	37
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	196	5	-5	1	-6	--	0	201
15 ppm sulfur and under	--	--	193	5	-5	1	-5	--	0	199
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	0	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	0	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	22	--	-8	--	0	--	0	15
Marketable	--	--	15	--	-8	--	0	--	0	8
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	41	1	-20	--	-1	--	0	23
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	4	0	--	--	0	--	0	4
<b>Total</b>	<b>1,346</b>	<b>10</b>	<b>611</b>	<b>395</b>	<b>-982</b>	<b>-40</b>	<b>4</b>	<b>587</b>	<b>6</b>	<b>743</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> 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> 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> 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>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.

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 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, October 2020**  
(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>26,128</b>	<b>--</b>	<b>--</b>	<b>27,362</b>	<b>4,528</b>	<b>1,489</b>	<b>-364</b>	<b>57,760</b>	<b>2,112</b>	<b>0</b>	<b>51,186</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,799</b>	<b>-3</b>	<b>667</b>	<b>1,415</b>	<b>639</b>	<b>--</b>	<b>-65</b>	<b>1,976</b>	<b>1,821</b>	<b>785</b>	<b>6,389</b>
Natural Gas Liquids	1,799	-3	559	1,415	639	--	-44	1,976	1,821	656	6,323
Ethane	1	--	--	--	--	--	--	--	0	1	--
Propane	258	--	907	900	260	--	56	--	1,094	1,175	3,031
Normal Butane	462	--	-400	485	217	--	-94	639	717	-498	2,826
Isobutane	208	--	52	30	162	--	-13	547	1	-83	406
Natural Gasoline	870	-3	--	--	--	--	7	790	8	62	60
Refinery Olefins	--	--	108	--	--	--	-21	--	--	129	66
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	122	--	--	--	2	--	--	120	9
Normal Butylene	--	--	-14	--	--	--	-23	--	--	9	57
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>495</b>	<b>--</b>	<b>3,394</b>	<b>9,211</b>	<b>-2,310</b>	<b>-2,429</b>	<b>12,104</b>	<b>329</b>	<b>786</b>	<b>47,311</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	495	--	1,193	4,601	-24	-282	6,320	227	0	4,297
Hydrogen	--	--	--	--	--	1,249	--	1,249	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	495	--	1,193	4,601	-1,273	-282	5,071	227	0	4,297
Fuel Ethanol	--	272	--	499	3,746	-249	-333	4,393	209	0	2,892
Renewable Fuels Except Fuel Ethanol	--	223	--	694	855	-1,025	51	678	18	0	1,405
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,901	--	--	548	564	3	786	16,922
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	300	4,610	-2,286	-2,695	5,220	99	0	26,092
Reformulated	--	0	--	--	1,987	-580	-1,015	2,421	1	0	13,042
Conventional	--	--	--	300	2,623	-1,706	-1,680	2,799	98	0	13,050
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>75,904</b>	<b>3,720</b>	<b>2,575</b>	<b>2,899</b>	<b>-1,260</b>	<b>--</b>	<b>6,693</b>	<b>79,665</b>	<b>32,149</b>
Finished Motor Gasoline	--	--	43,057	299	374	2,534	254	--	1,398	44,613	2,975
Reformulated	--	--	30,004	--	--	492	2	--	--	30,494	18
Conventional	--	--	13,053	299	374	2,042	252	--	1,398	14,119	2,957
Finished Aviation Gasoline	--	--	1	2	--	--	-37	--	--	40	282
Kerosene-Type Jet Fuel	--	--	6,863	2,598	261	--	281	--	179	9,262	8,686
Kerosene	--	--	12	--	--	--	-7	--	57	-38	9
Distillate Fuel Oil	--	--	15,732	554	1,134	365	-1,412	--	1,919	17,278	11,611
15 ppm sulfur and under	--	--	15,028	246	1,134	365	-1,363	--	1,052	17,084	10,570
Greater than 15 ppm to 500 ppm sulfur	--	--	268	308	--	--	-3	--	332	247	332
Greater than 500 ppm sulfur	--	--	436	--	--	--	-46	--	535	-53	709
Residual Fuel Oil	--	--	1,892	191	--	--	-19	--	245	1,857	4,697
Less than 0.31 percent sulfur	--	--	46	--	--	--	58	--	NA	NA	815
0.31 to 1.00 percent sulfur	--	--	661	78	--	--	-179	--	NA	NA	422
Greater than 1.00 percent sulfur	--	--	1,185	113	--	--	102	--	NA	NA	3,460
Petrochemical Feedstocks	--	--	--	--	--	--	0	--	--	0	2
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	0	--	--	0	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	33	--	--	--	8	--	--	25	46
Lubricants	--	--	534	28	--	--	-1	--	368	195	741
Waxes	--	--	--	36	--	--	--	--	4	32	--
Petroleum Coke	--	--	3,705	--	315	--	-68	--	2,498	1,590	1,246
Marketable	--	--	2,902	--	315	--	-68	--	2,498	787	1,246
Catalyst	--	--	803	--	--	--	--	--	--	803	--
Asphalt and Road Oil	--	--	822	12	492	--	-252	--	26	1,551	1,758
Still Gas	--	--	2,895	--	--	--	--	--	--	2,895	--
Miscellaneous Products	--	--	358	--	--	--	-7	--	0	365	96
<b>Total</b>	<b>27,927</b>	<b>492</b>	<b>76,571</b>	<b>35,891</b>	<b>16,954</b>	<b>2,078</b>	<b>-4,118</b>	<b>71,840</b>	<b>10,955</b>	<b>81,237</b>	<b>137,035</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> 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> 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> 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>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.

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 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-October 2020**  
(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>261,228</b>	<b>--</b>	<b>--</b>	<b>285,549</b>	<b>47,409</b>	<b>12,410</b>	<b>-731</b>	<b>592,717</b>	<b>14,610</b>	<b>0</b>	<b>51,186</b>
<b>Hydrocarbon Gas Liquids</b>	<b>17,523</b>	<b>-51</b>	<b>11,750</b>	<b>12,775</b>	<b>10,537</b>	<b>--</b>	<b>2,275</b>	<b>21,739</b>	<b>15,852</b>	<b>12,668</b>	<b>6,389</b>
Natural Gas Liquids	17,523	-51	10,404	12,714	10,537	--	2,229	21,739	15,852	11,307	6,323
Ethane	8	--	--	--	--	--	--	--	1	7	--
Propane	2,643	--	9,233	8,404	3,721	--	1,358	--	10,008	12,635	3,031
Normal Butane	3,835	--	333	4,130	4,780	--	834	6,589	5,709	-54	2,826
Isobutane	2,721	--	838	180	2,036	--	18	7,598	6	-1,847	406
Natural Gasoline	8,316	-51	--	--	--	--	19	7,552	128	566	60
Refinery Olefins	--	--	1,346	61	--	--	46	--	--	1,361	66
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,458	--	--	--	-5	--	--	1,463	9
Normal Butylene	--	--	-112	61	--	--	51	--	--	-102	57
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>5,515</b>	<b>--</b>	<b>27,646</b>	<b>81,876</b>	<b>-10,266</b>	<b>-6,979</b>	<b>103,643</b>	<b>6,191</b>	<b>1,916</b>	<b>47,311</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	5,515	--	8,401	40,308	7,776	-116	59,863	2,254	0	4,297
Hydrogen	--	--	--	--	--	12,827	--	12,827	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	5,515	--	8,401	40,308	-5,051	-116	47,036	2,254	0	4,297
Fuel Ethanol	--	2,932	--	2,726	34,748	2,119	31	40,823	1,671	0	2,892
Renewable Fuels Except Fuel Ethanol	--	2,583	--	5,675	5,560	-7,170	-147	6,213	583	0	1,405
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	12,972	-175	--	-2,500	11,341	2,040	1,916	16,922
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	6,273	41,743	-18,042	-4,363	32,439	1,898	0	26,092
Reformulated	--	0	--	1,120	19,421	-2,378	-2,079	20,224	18	0	13,042
Conventional	--	--	--	5,153	22,322	-15,665	-2,284	12,215	1,879	0	13,050
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>750,933</b>	<b>44,707</b>	<b>21,603</b>	<b>18,447</b>	<b>-4,609</b>	<b>--</b>	<b>85,085</b>	<b>755,214</b>	<b>32,149</b>
Finished Motor Gasoline	--	--	405,295	5,395	4,153	15,924	274	--	15,435	415,058	2,975
Reformulated	--	--	280,322	--	--	3,446	5	--	--	283,763	18
Conventional	--	--	124,973	5,395	4,153	12,477	269	--	15,435	131,295	2,957
Finished Aviation Gasoline	--	--	443	14	--	--	98	--	--	359	282
Kerosene-Type Jet Fuel	--	--	78,239	29,190	1,311	--	-1,069	--	4,067	105,742	8,686
Kerosene	--	--	90	40	--	--	-35	--	275	-110	9
Distillate Fuel Oil	--	--	162,256	5,225	10,440	2,524	-3,115	--	27,108	156,452	11,611
15 ppm sulfur and under	--	--	154,249	4,910	10,540	2,524	-2,978	--	21,384	153,816	10,570
Greater than 15 ppm to 500 ppm sulfur	--	--	2,957	308	-100	--	56	--	2,017	1,092	332
Greater than 500 ppm sulfur	--	--	5,050	7	--	--	-193	--	3,706	1,544	709
Residual Fuel Oil	--	--	20,267	3,336	--	--	577	--	5,833	17,193	4,697
Less than 0.31 percent sulfur	--	--	320	--	--	--	554	--	NA	NA	815
0.31 to 1.00 percent sulfur	--	--	4,802	808	--	--	125	--	NA	NA	422
Greater than 1.00 percent sulfur	--	--	15,145	2,528	--	--	-94	--	NA	NA	3,460
Petrochemical Feedstocks	--	--	2	242	--	--	-6	--	--	250	2
Naphtha for Petro. Feed. Use	--	--	2	242	--	--	-6	--	--	250	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	345	--	--	--	0	--	--	345	46
Lubricants	--	--	4,485	195	-71	--	-117	--	3,453	1,273	741
Waxes	--	--	--	284	--	--	--	--	47	237	--
Petroleum Coke	--	--	37,370	119	950	--	-493	--	28,467	10,465	1,246
Marketable	--	--	28,531	119	950	--	-493	--	28,467	1,626	1,246
Catalyst	--	--	8,839	--	--	--	--	--	--	8,839	--
Asphalt and Road Oil	--	--	7,574	667	4,820	--	-710	--	399	13,372	1,758
Still Gas	--	--	30,922	--	--	--	--	--	--	30,922	--
Miscellaneous Products	--	--	3,645	--	--	--	-13	--	2	3,656	96
<b>Total</b>	<b>278,751</b>	<b>5,464</b>	<b>762,683</b>	<b>370,677</b>	<b>161,425</b>	<b>20,591</b>	<b>-10,044</b>	<b>718,099</b>	<b>121,738</b>	<b>769,798</b>	<b>137,035</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> 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> 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> 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>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.

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 Report," EIA-817, "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, October 2020**  
(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>843</b>	<b>--</b>	<b>--</b>	<b>883</b>	<b>146</b>	<b>48</b>	<b>-12</b>	<b>1,863</b>	<b>68</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>58</b>	<b>0</b>	<b>22</b>	<b>46</b>	<b>21</b>	<b>--</b>	<b>-2</b>	<b>64</b>	<b>59</b>	<b>25</b>
Natural Gas Liquids	58	0	18	46	21	--	-1	64	59	21
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	8	--	29	29	8	--	2	--	35	38
Normal Butane	15	--	-13	16	7	--	-3	21	23	-16
Isobutane	7	--	2	1	5	--	0	18	0	-3
Natural Gasoline	28	0	--	--	--	--	0	25	0	2
Refinery Olefins	--	--	3	--	--	--	-1	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	4	--	--	--	0	--	--	4
Normal Butylene	--	--	0	--	--	--	-1	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>109</b>	<b>297</b>	<b>-75</b>	<b>-78</b>	<b>390</b>	<b>11</b>	<b>25</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	16	--	38	148	-1	-9	204	7	0
Hydrogen	--	--	--	--	--	40	--	40	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	16	--	38	148	-41	-9	164	7	0
Fuel Ethanol	--	9	--	16	121	-8	-11	142	7	0
Renewable Fuels Except Fuel Ethanol	--	7	--	22	28	-33	2	22	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	61	--	--	18	18	0	25
Motor Gasoline Blend Comp. (MGBC)	--	0	--	10	149	-74	-87	168	3	0
Reformulated	--	0	--	--	64	-19	-33	78	0	0
Conventional	--	--	--	10	85	-55	-54	90	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,449</b>	<b>120</b>	<b>83</b>	<b>94</b>	<b>-41</b>	<b>--</b>	<b>216</b>	<b>2,570</b>
Finished Motor Gasoline	--	--	1,389	10	12	82	8	--	45	1,439
Reformulated	--	--	968	--	--	16	0	--	--	984
Conventional	--	--	421	10	12	66	8	--	45	455
Finished Aviation Gasoline	--	--	0	0	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	--	221	84	8	--	9	--	6	299
Kerosene	--	--	0	--	--	--	0	--	2	-1
Distillate Fuel Oil	--	--	507	18	37	12	-46	--	62	557
15 ppm sulfur and under	--	--	485	8	37	12	-44	--	34	551
Greater than 15 ppm to 500 ppm sulfur	--	--	9	10	--	--	0	--	11	8
Greater than 500 ppm sulfur	--	--	14	--	--	--	-1	--	17	-2
Residual Fuel Oil	--	--	61	6	--	--	-1	--	8	60
Less than 0.31 percent sulfur	--	--	1	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	21	3	--	--	-6	--	NA	NA
Greater than 1.00 percent sulfur	--	--	38	4	--	--	3	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	0	--	--	0
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	0	--	--	0
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	17	1	--	--	0	--	12	6
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	120	--	10	--	-2	--	81	51
Marketable	--	--	94	--	10	--	-2	--	81	25
Catalyst	--	--	26	--	--	--	--	--	--	26
Asphalt and Road Oil	--	--	27	0	16	--	-8	--	1	50
Still Gas	--	--	93	--	--	--	--	--	--	93
Miscellaneous Products	--	--	12	--	--	--	0	--	0	12
<b>Total</b>	<b>901</b>	<b>16</b>	<b>2,470</b>	<b>1,158</b>	<b>547</b>	<b>67</b>	<b>-133</b>	<b>2,317</b>	<b>353</b>	<b>2,621</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> 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> 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> 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>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.

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 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-October 2020**  
(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>856</b>	<b>--</b>	<b>--</b>	<b>936</b>	<b>155</b>	<b>41</b>	<b>-2</b>	<b>1,943</b>	<b>48</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>57</b>	<b>0</b>	<b>39</b>	<b>42</b>	<b>35</b>	<b>--</b>	<b>7</b>	<b>71</b>	<b>52</b>	<b>42</b>
Natural Gas Liquids	57	0	34	42	35	--	7	71	52	37
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	30	28	12	--	4	--	33	41
Normal Butane	13	--	1	14	16	--	3	22	19	0
Isobutane	9	--	3	1	7	--	0	25	0	-6
Natural Gasoline	27	0	--	--	--	--	0	25	0	2
Refinery Olefins	--	--	4	0	--	--	0	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	0	0	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>18</b>	<b>--</b>	<b>91</b>	<b>268</b>	<b>-34</b>	<b>-23</b>	<b>340</b>	<b>20</b>	<b>6</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	18	--	28	132	25	0	196	7	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	18	--	28	132	-17	0	154	7	0
Fuel Ethanol	--	10	--	9	114	7	0	134	5	0
Renewable Fuels Except Fuel Ethanol	--	8	--	19	18	-24	0	20	2	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	43	-1	--	-8	37	7	6
Motor Gasoline Blend Comp. (MGBC)	--	0	--	21	137	-59	-14	106	6	0
Reformulated	--	0	--	4	64	-8	-7	66	0	0
Conventional	--	--	--	17	73	-51	-7	40	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,462</b>	<b>147</b>	<b>71</b>	<b>60</b>	<b>-15</b>	<b>--</b>	<b>279</b>	<b>2,476</b>
Finished Motor Gasoline	--	--	1,329	18	14	52	1	--	51	1,361
Reformulated	--	--	919	--	--	11	0	--	--	930
Conventional	--	--	410	18	14	41	1	--	51	430
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	257	96	4	--	-4	--	13	347
Kerosene	--	--	0	0	--	--	0	--	1	0
Distillate Fuel Oil	--	--	532	17	34	8	-10	--	89	513
15 ppm sulfur and under	--	--	506	16	35	8	-10	--	70	504
Greater than 15 ppm to 500 ppm sulfur	--	--	10	1	0	--	0	--	7	4
Greater than 500 ppm sulfur	--	--	17	0	--	--	-1	--	12	5
Residual Fuel Oil	--	--	66	11	--	--	2	--	19	56
Less than 0.31 percent sulfur	--	--	1	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	16	3	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	50	8	--	--	0	--	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	--	--	15	1	0	--	0	--	11	4
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	123	0	3	--	-2	--	93	34
Marketable	--	--	94	0	3	--	-2	--	93	5
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	25	2	16	--	-2	--	1	44
Still Gas	--	--	101	--	--	--	--	--	--	101
Miscellaneous Products	--	--	12	--	--	--	0	--	0	12
<b>Total</b>	<b>914</b>	<b>18</b>	<b>2,501</b>	<b>1,215</b>	<b>529</b>	<b>68</b>	<b>-33</b>	<b>2,354</b>	<b>399</b>	<b>2,524</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> 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> 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> 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>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.

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 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, October 2020**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	2,331	56,469	214,263	23,792	26,128	322,984	10,419
Alaskan .....	--	--	--	--	--	14,240	459
Lower 48 States .....	--	--	--	--	--	308,744	9,959
Imports (PAD District of Entry) .....	12,075	76,425	37,379	10,847	27,362	164,088	5,293
Commercial .....	12,075	76,425	37,379	10,847	27,362	164,088	5,293
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	3,815	-13,105	21,576	-16,815	4,528	--	--
Adjustments <sup>1</sup> .....	-1,203	-3,020	16,692	-633	1,489	13,326	430
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	-638	5,504	-12,573	712	-364	-7,359	-237
Commercial .....	--	--	-8,943	--	--	-3,729	-120
SPR .....	--	--	-3,630	--	--	-3,630	-117
Refinery Inputs .....	17,657	106,378	218,513	16,479	57,760	416,787	13,445
Exports .....	--	4,888	83,970	--	2,112	90,970	2,935
<b>Ending Stocks</b>							
Total .....	10,510	146,411	899,986	24,056	51,186	1,132,149	--
Commercial .....	10,510	146,411	261,430	24,056	51,186	493,593	--
Refinery .....	5,865	12,987	44,501	2,533	21,480	87,366	--
Tank Farms and Pipelines .....	4,645	133,424	216,929	21,523	26,506	403,027	--
Cushing, Oklahoma .....	--	60,436	--	--	--	60,436	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	3,200	3,200	--
SPR .....	--	--	638,556	--	--	638,556	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	56.4	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	31.5	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	--	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	12,075	76,425	37,379	10,847	27,362	164,088	5,293
PAD District of Processing .....	12,359	68,685	47,555	7,769	27,720	164,088	5,293

-- = 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, October 2020**  
(Thousand Barrels)

PAD District and State	October 2020		January-October 2020	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>2,331</b>	<b>75</b>	<b>21,249</b>	<b>70</b>
Florida .....	86	3	1,093	4
New York .....	23	1	229	1
Pennsylvania .....	461	15	4,566	15
Virginia .....	0	0	2	0
West Virginia .....	1,760	57	15,359	50
<b>PAD District 2</b> .....	<b>56,469</b>	<b>1,822</b>	<b>563,181</b>	<b>1,846</b>
Illinois .....	611	20	5,961	20
Indiana .....	111	4	1,151	4
Kansas .....	2,239	72	23,437	77
Kentucky .....	280	9	1,908	6
Michigan .....	376	12	3,515	12
Missouri .....	6	0	66	0
Nebraska .....	139	4	1,361	4
North Dakota .....	37,766	1,218	359,614	1,179
Ohio .....	1,802	58	20,458	67
Oklahoma .....	13,043	421	144,711	474
South Dakota .....	84	3	874	3
Tennessee .....	13	0	127	0
<b>PAD District 3</b> .....	<b>214,263</b>	<b>6,912</b>	<b>2,356,503</b>	<b>7,726</b>
Alabama .....	296	10	3,272	11
Arkansas .....	348	11	3,491	11
Louisiana .....	2,446	79	29,298	96
Mississippi .....	1,237	40	11,909	39
New Mexico .....	33,519	1,081	312,318	1,024
Texas .....	143,640	4,634	1,497,469	4,910
Federal Offshore PAD District 3 .....	32,777	1,057	498,745	1,635
<b>PAD District 4</b> .....	<b>23,792</b>	<b>767</b>	<b>258,950</b>	<b>849</b>
Colorado .....	12,223	394	141,480	464
Idaho .....	0	0	1	0
Montana .....	1,571	51	16,221	53
Utah .....	2,579	83	26,584	87
Wyoming .....	7,419	239	74,663	245
<b>PAD District 5</b> .....	<b>26,128</b>	<b>843</b>	<b>261,228</b>	<b>856</b>
Alaska .....	14,240	459	135,581	445
South Alaska .....	352	11	3,745	12
North Slope .....	13,888	448	131,836	432
Arizona .....	0	0	4	0
California .....	11,584	374	121,810	399
Nevada .....	17	1	166	1
Federal Offshore PAD District 5 .....	286	9	3,667	12
<b>U.S. Total</b> .....	<b>322,984</b>	<b>10,419</b>	<b>3,461,111</b>	<b>11,348</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, October 2020**  
(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>	<b>11</b>	<b>19,978</b>	<b>19,989</b>	<b>4,764</b>	<b>10,461</b>	<b>15,807</b>	<b>31,032</b>
Natural Gas Liquids	11	19,978	19,989	4,764	10,461	15,807	31,032
Ethane	—	7,878	7,878	1,622	1,999	6,787	10,408
Propane	4	6,996	7,000	1,934	4,327	4,857	11,118
Normal Butane	7	2,188	2,195	423	1,864	1,461	3,748
Isobutane	—	932	932	435	584	1,000	2,019
Natural Gasoline	—	1,984	1,984	350	1,687	1,702	3,739

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>	<b>76,574</b>	<b>4,733</b>	<b>3,373</b>	<b>472</b>	<b>10,108</b>	<b>95,260</b>	<b>16,194</b>	<b>1,799</b>	<b>164,274</b>
Natural Gas Liquids	76,574	4,733	3,373	472	10,108	95,260	16,194	1,799	164,274
Ethane	34,331	2,353	1,392	80	4,632	42,788	5,266	1	66,341
Propane	22,765	1,307	1,082	143	2,915	28,212	5,521	258	52,109
Normal Butane	7,316	-3,233	374	61	954	5,472	2,167	462	14,044
Isobutane	4,544	3,927	209	52	597	9,329	991	208	13,479
Natural Gasoline	7,618	379	316	136	1,010	9,459	2,249	870	18,301

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>	<b>3</b>	<b>237</b>	<b>240</b>	<b>761</b>	<b>141</b>	<b>461</b>	<b>1,363</b>
Natural Gas Liquids	3	237	240	761	141	461	1,363
Ethane	—	—	—	32	2	158	192
Propane	2	114	116	418	60	130	608
Normal Butane	1	51	52	72	30	29	131
Isobutane	—	11	11	104	8	75	187
Natural Gasoline	—	61	61	135	41	69	245

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>	<b>164</b>	<b>594</b>	<b>862</b>	<b>4</b>	<b>1</b>	<b>1,625</b>	<b>188</b>	<b>603</b>	<b>4,019</b>
Natural Gas Liquids	164	594	862	4	1	1,625	188	603	4,019
Ethane	42	268	—	—	—	310	7	—	509
Propane	27	202	33	1	—	263	72	158	1,217
Normal Butane	14	66	134	2	—	216	43	363	805
Isobutane	40	13	45	—	—	98	16	27	339
Natural Gasoline	41	45	650	1	1	738	50	55	1,149

— = 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, October 2020**  
(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>14,881</b>	<b>2,776</b>	<b>17,657</b>	<b>65,563</b>	<b>14,513</b>	<b>26,302</b>	<b>106,378</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,848</b>	<b>—</b>	<b>1,848</b>	<b>2,191</b>	<b>186</b>	<b>1,329</b>	<b>3,706</b>
Natural Gas Liquids	1,848	—	1,848	2,191	186	1,329	3,706
Normal Butane	1,275	—	1,275	661	132	436	1,229
Isobutane	216	—	216	1,136	52	484	1,672
Natural Gasoline	357	—	357	394	2	409	805
<b>Other Liquids</b>	<b>74,860</b>	<b>5,920</b>	<b>80,780</b>	<b>10,469</b>	<b>2,786</b>	<b>1,677</b>	<b>14,932</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	9,122	771	9,893	5,611	1,439	1,789	8,839
Hydrogen	81	9	90	762	298	190	1,250
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,041	762	9,803	4,832	1,141	1,599	7,572
Fuel Ethanol	8,819	696	9,515	4,610	1,050	1,517	7,177
Renewable Diesel Fuel <sup>2</sup>	222	66	288	222	91	82	395
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	17	—	—	17
Unfinished Oils (net)	2,088	-68	2,020	1,077	221	34	1,332
Naphthas and Lighter	-174	0	-174	-112	10	-84	-186
Kerosene and Light Gas Oils	131	—	131	143	138	21	302
Heavy Gas Oils	1,537	-63	1,474	1,255	73	94	1,422
Residuum	594	-5	589	-209	—	3	-206
Motor Gasoline Blend.Comp. (MGBC)(net)	63,650	5,217	68,867	3,781	1,126	-146	4,761
Reformulated - RBOB	15,790	—	15,790	-1,100	1,059	845	804
Conventional	47,860	5,217	53,077	4,881	67	-991	3,957
CBOB	39,982	5,191	45,173	5,362	-35	-1,094	4,233
GTAB	2,869	—	2,869	—	—	—	—
Other	5,009	26	5,035	-481	102	103	-276
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
<b>Total Input</b>	<b>91,589</b>	<b>8,696</b>	<b>100,285</b>	<b>78,223</b>	<b>17,485</b>	<b>29,308</b>	<b>125,016</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, October 2020**  
(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>19,590</b>	<b>123,325</b>	<b>65,495</b>	<b>7,301</b>	<b>2,802</b>	<b>218,513</b>	<b>16,479</b>	<b>57,760</b>	<b>416,787</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>974</b>	<b>5,405</b>	<b>3,490</b>	<b>101</b>	<b>117</b>	<b>10,087</b>	<b>574</b>	<b>1,976</b>	<b>18,191</b>
Natural Gas Liquids .....	974	5,405	3,490	101	117	10,087	574	1,976	18,191
Normal Butane .....	551	2,326	1,771	74	—	4,722	299	639	8,164
Isobutane .....	287	2,253	839	22	117	3,518	171	547	6,124
Natural Gasoline .....	136	826	880	5	—	1,847	104	790	3,903
<b>Other Liquids</b> .....	<b>7,804</b>	<b>-41,669</b>	<b>-17,185</b>	<b>7,006</b>	<b>-223</b>	<b>-44,267</b>	<b>226</b>	<b>12,104</b>	<b>63,775</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	2,024	2,862	1,834	1,106	167	7,993	1,123	6,320	34,168
Hydrogen .....	8	1,973	1,271	47	14	3,313	196	1,249	6,098
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,016	889	563	1,059	153	4,680	927	5,071	28,053
Fuel Ethanol .....	1,944	805	496	1,000	134	4,379	853	4,393	26,317
Renewable Diesel Fuel <sup>2</sup> .....	72	84	46	59	19	280	43	669	1,675
Other Renewable Fuels .....	—	—	21	—	—	21	31	9	61
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	17
Unfinished Oils (net) .....	-36	-766	6,587	-113	6	5,678	-70	564	9,524
Naphthas and Lighter .....	85	-5,558	198	1	23	-5,251	-21	-125	-5,757
Kerosene and Light Gas Oils .....	-188	-932	349	-89	-7	-867	-383	-284	-1,101
Heavy Gas Oils .....	47	2,660	3,273	61	-10	6,031	314	92	9,333
Residuum .....	20	3,064	2,767	-86	—	5,765	20	881	7,049
Motor Gasoline Blend.Comp. (MGBC)(net) .....	5,811	-43,765	-25,610	6,013	-396	-57,947	-827	5,220	20,074
Reformulated - RBOB .....	5,344	-7,653	-1,566	12	-630	-4,493	—	2,421	14,522
Conventional .....	467	-36,112	-24,044	6,001	234	-53,454	-827	2,799	5,552
CBOB .....	764	-37,568	-24,677	6,072	266	-55,143	-958	1,819	-4,876
GTAB .....	—	—	—	—	—	—	—	—	2,869
Other .....	-297	1,456	633	-71	-32	1,689	131	980	7,559
Aviation Gasoline Blend. Comp. (net) .....	5	—	4	—	—	9	—	—	9
<b>Total Input</b> .....	<b>28,368</b>	<b>87,061</b>	<b>51,800</b>	<b>14,408</b>	<b>2,696</b>	<b>184,333</b>	<b>17,279</b>	<b>71,840</b>	<b>498,753</b>

— = Not Applicable.

— = 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 Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2020**  
(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 .....	333	-19	314	1,209	-124	131	1,216
Natural Gas Liquids .....	-260	-19	-279	362	-287	-21	54
Ethane .....	-	-	-	-	-	-	-
Propane .....	353	25	378	1,519	301	462	2,282
Normal Butane .....	-443	-33	-476	-993	-552	-404	-1,949
Isobutane .....	-170	-11	-181	-164	-36	-79	-279
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	593	-	593	847	163	152	1,162
Ethylene .....	15	-	15	-	-	-	-
Propylene .....	508	-	508	893	163	160	1,216
Normal Butylene .....	40	-	40	-46	-	-8	-54
Isobutylene .....	30	-	30	-	-	-	-
Finished Motor Gasoline .....	85,329	6,956	92,285	48,854	10,446	16,426	75,726
Reformulated .....	34,865	3	34,868	7,400	1,409	939	9,748
Reformulated Blended with Fuel Ethanol .....	34,865	3	34,868	7,400	1,409	939	9,748
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	50,464	6,953	57,417	41,454	9,037	15,487	65,978
Conventional Blended with Fuel Ethanol .....	52,318	6,976	59,294	38,195	8,938	13,806	60,939
Ed55 and Lower .....	52,278	6,976	59,254	38,186	8,917	13,746	60,849
Greater than Ed55 .....	40	-	40	9	21	60	90
Conventional Other .....	-1,854	-23	-1,877	3,259	99	1,681	5,039
Finished Aviation Gasoline .....	-	-	-	-	49	-	49
Kerosene-Type Jet Fuel .....	592	-2	590	3,689	603	643	4,935
Kerosene .....	138	2	140	248	-	44	292
Distillate Fuel Oil .....	3,734	777	4,511	17,937	4,881	10,540	33,358
15 ppm sulfur and under .....	3,766	759	4,525	17,862	4,927	10,593	33,382
Greater than 15 ppm to 500 ppm sulfur .....	58	-3	55	-	-	88	88
Greater than 500 ppm sulfur .....	-90	21	-69	75	-46	-141	-112
Residual Fuel Oil .....	905	4	909	724	148	131	1,003
Less than 0.31 percent sulfur .....	-6	4	-2	92	-	-	92
0.31 to 1.00 percent sulfur .....	775	-	775	235	80	21	336
Greater than 1.00 percent sulfur .....	136	-	136	397	68	110	575
Petrochemical Feedstocks .....	-	-	-	705	-	28	733
Naphtha for Petro. Feed. Use .....	-	-	-	420	-	-	420
Other Oils for Petro. Feed. Use .....	-	-	-	285	-	28	313
Special Naphthas .....	-	15	15	-25	-	17	-8
Lubricants .....	88	175	263	-	-	256	256
Waxes .....	-	-14	-14	-	-	42	42
Petroleum Coke .....	643	17	660	3,989	974	842	5,805
Marketable .....	200	-	200	2,959	806	591	4,356
Catalyst .....	443	17	460	1,030	168	251	1,449
Asphalt and Road Oil .....	301	669	970	2,716	1,029	376	4,121
Still Gas .....	819	46	865	2,525	537	1,077	4,139
Miscellaneous Products .....	39	29	68	317	117	48	482
<b>Total .....</b>	<b>92,921</b>	<b>8,655</b>	<b>101,576</b>	<b>82,888</b>	<b>18,660</b>	<b>30,601</b>	<b>132,149</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-1,332</b>	<b>41</b>	<b>-1,291</b>	<b>-4,665</b>	<b>-1,175</b>	<b>-1,293</b>	<b>-7,133</b>

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2020**  
(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			
Hydrocarbon Gas Liquids .....	648	5,931	3,837	2	-5	10,413	95	667	12,705
Natural Gas Liquids .....	296	2,406	1,397	-28	-5	4,066	35	559	4,435
Ethane .....	5	140	16	—	—	161	—	—	161
Propane .....	408	2,362	1,420	11	27	4,228	209	907	8,004
Normal Butane .....	-54	286	-172	-39	-31	-10	-136	-400	-2,971
Isobutane .....	-63	-382	133	—	-1	-313	-38	52	-759
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	352	3,525	2,440	30	—	6,347	60	108	8,270
Ethylene .....	—	—	—	—	—	—	—	—	15
Propylene .....	368	3,849	2,544	30	—	6,791	31	122	8,668
Normal Butylene .....	-16	-300	-104	—	—	-420	29	-14	-419
Isobutylene .....	—	-24	—	—	—	-24	—	—	6
Finished Motor Gasoline .....	19,515	22,640	14,230	9,202	1,338	66,925	8,833	43,057	286,826
Reformulated .....	6,805	6,299	—	—	—	13,104	—	30,004	87,724
Reformulated Blended with Fuel Ethanol .....	6,805	6,299	—	—	—	13,104	—	30,004	87,724
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	12,710	16,341	14,230	9,202	1,338	53,821	8,833	13,053	199,102
Conventional Blended with Fuel Ethanol .....	12,405	1,981	4,978	9,929	1,388	30,681	8,530	13,491	172,935
Ed55 and Lower .....	12,388	1,981	4,978	9,920	1,387	30,654	8,520	13,457	172,734
Greater than Ed55 .....	17	—	—	9	1	27	10	34	201
Conventional Other .....	305	14,360	9,252	-727	-50	23,140	303	-438	26,167
Finished Aviation Gasoline .....	119	82	96	—	—	297	6	1	353
Kerosene-Type Jet Fuel .....	1,065	8,142	2,872	193	0	12,272	800	6,863	25,460
Kerosene .....	-2	—	44	21	—	63	—	12	507
Distillate Fuel Oil .....	5,887	36,837	25,231	2,405	1,182	71,542	5,449	15,732	130,592
15 ppm sulfur and under .....	5,864	35,663	23,666	2,270	1,182	68,645	5,445	15,028	127,025
Greater than 15 ppm to 500 ppm sulfur .....	23	298	115	110	—	546	58	268	1,015
Greater than 500 ppm sulfur .....	—	876	1,450	25	—	2,351	-54	436	2,552
Residual Fuel Oil .....	286	728	-107	-50	23	880	363	1,892	5,047
Less than 0.31 percent sulfur .....	253	—	—	—	—	253	223	46	612
0.31 to 1.00 percent sulfur .....	-5	313	83	-50	—	341	9	661	2,122
Greater than 1.00 percent sulfur .....	38	415	-190	—	23	286	131	1,185	2,313
Petrochemical Feedstocks .....	128	5,402	1,688	—	—	7,218	—	—	7,951
Naphtha for Petro. Feed. Use .....	119	3,765	957	—	—	4,841	—	—	5,261
Other Oils for Petro. Feed. Use .....	9	1,637	731	—	—	2,377	—	—	2,690
Special Naphthas .....	67	726	—	227	—	1,020	—	33	1,060
Lubricants .....	19	1,757	1,370	840	—	3,986	—	534	5,039
Waxes .....	—	42	56	22	—	120	—	—	148
Petroleum Coke .....	363	7,036	3,993	145	22	11,559	595	3,705	22,324
Marketable .....	129	5,166	3,101	130	—	8,526	397	2,902	16,381
Catalyst .....	234	1,870	892	15	22	3,033	198	803	5,943
Asphalt and Road Oil .....	255	245	537	1,089	81	2,207	1,160	822	9,280
Still Gas .....	703	5,672	2,666	232	67	9,340	543	2,895	17,782
Miscellaneous Products .....	143	795	345	15	39	1,337	96	358	2,341
<b>Total .....</b>	<b>29,196</b>	<b>96,035</b>	<b>56,858</b>	<b>14,343</b>	<b>2,747</b>	<b>199,179</b>	<b>17,940</b>	<b>76,571</b>	<b>527,415</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-828</b>	<b>-8,974</b>	<b>-5,058</b>	<b>65</b>	<b>-51</b>	<b>-14,846</b>	<b>-661</b>	<b>-4,731</b>	<b>-28,662</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 Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2020**  
(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>14,881</b>	<b>2,776</b>	<b>17,657</b>	<b>65,563</b>	<b>14,513</b>	<b>26,302</b>	<b>106,378</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>447</b>	<b>-</b>	<b>447</b>	<b>2,022</b>	<b>52</b>	<b>891</b>	<b>2,965</b>
Natural Gas Liquids .....	447	-	447	2,022	52	891	2,965
Normal Butane .....	231	-	231	492	-	41	533
Isobutane .....	216	-	216	1,136	52	484	1,672
Natural Gasoline .....	-	-	-	394	-	366	760
<b>Other Liquids</b> .....	<b>-8,744</b>	<b>90</b>	<b>-8,654</b>	<b>-32,051</b>	<b>-5,406</b>	<b>-10,872</b>	<b>-48,329</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	136	146	282	984	466	360	1,810
Hydrogen .....	81	9	90	762	298	190	1,250
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	55	137	192	205	168	170	543
Fuel Ethanol .....	55	116	171	144	148	147	439
Renewable Diesel Fuel <sup>2</sup> .....	-	21	21	61	20	23	104
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	17	-	-	17
Unfinished Oils (net) .....	2,088	-68	2,020	929	221	34	1,184
Naphthas and Lighter .....	-174	0	-174	-112	10	-84	-186
Kerosene and Light Gas Oils .....	131	-	131	143	138	21	302
Heavy Gas Oils .....	1,537	-63	1,474	1,251	73	94	1,418
Residuum .....	594	-5	589	-353	-	3	-350
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-10,968	12	-10,956	-33,964	-6,093	-11,266	-51,323
Reformulated - RBOB .....	-6,746	-	-6,746	-7,350	-201	-	-7,551
Conventional .....	-4,222	12	-4,210	-26,614	-5,892	-11,266	-43,772
CBOB .....	-3,528	-14	-3,542	-26,121	-5,994	-11,369	-43,484
GTAB .....	-	-	-	-	-	-	-
Other .....	-694	26	-668	-493	102	103	-288
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>6,584</b>	<b>2,866</b>	<b>9,450</b>	<b>35,534</b>	<b>9,159</b>	<b>16,321</b>	<b>61,014</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	506	90	596	2,102	481	849	3,432
Operable Capacity (daily average) .....	791	98	889	2,703	547	927	4,177
Operable Utilization Rate (percent) <sup>3</sup> .....	64.0	91.2	67.0	77.8	88.0	91.7	82.2
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	94	15	110	374	72	153	599
Catalytic Cracking .....	243	14	257	683	148	208	1,039
Catalytic Hydrocracking .....	43	-	43	175	66	58	299
Delayed and Fluid Coking .....	28	-	28	323	78	78	478
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.65	1.64	0.81	1.74	1.71	0.59	1.45
API Gravity, Weighted Average (degrees) .....	36.32	32.14	35.64	32.58	25.59	38.87	33.09
<b>Operable Capacity (daily average)</b> .....	<b>791</b>	<b>98</b>	<b>889</b>	<b>2,703</b>	<b>547</b>	<b>927</b>	<b>4,177</b>
Operating .....	791	98	889	2,583	509	927	4,019
Idle .....	-	-	-	120	38	-	158
<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, October 2020**  
(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>	<b>19,590</b>	<b>123,325</b>	<b>65,495</b>	<b>7,301</b>	<b>2,802</b>	<b>218,513</b>	<b>16,479</b>	<b>57,760</b>	<b>416,787</b>
<b>Hydrocarbon Gas Liquids</b>	<b>923</b>	<b>4,154</b>	<b>3,334</b>	<b>55</b>	<b>117</b>	<b>8,583</b>	<b>509</b>	<b>1,927</b>	<b>14,431</b>
Natural Gas Liquids	923	4,154	3,334	55	117	8,583	509	1,927	14,431
Normal Butane	509	1,580	1,615	28	—	3,732	248	590	5,334
Isobutane	287	2,253	839	22	117	3,518	169	547	6,122
Natural Gasoline	127	321	880	5	—	1,333	92	790	2,975
<b>Other Liquids</b>	<b>-8,927</b>	<b>-51,122</b>	<b>-20,196</b>	<b>-1,594</b>	<b>-1,534</b>	<b>-83,373</b>	<b>-4,345</b>	<b>-28,755</b>	<b>-173,456</b>
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	281	2,049	1,520	120	24	3,994	491	1,636	8,213
Hydrogen	8	1,973	1,271	47	14	3,313	196	1,249	6,098
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	273	76	249	73	10	681	295	387	2,098
Fuel Ethanol	221	47	182	51	4	505	238	96	1,449
Renewable Diesel Fuel <sup>2</sup>	52	29	46	22	6	155	26	291	597
Other Renewable Fuels	—	—	21	—	—	21	31	—	52
Other Hydrocarbons	—	—	—	—	—	—	—	—	17
Unfinished Oils (net)	-36	-766	6,587	-113	6	5,678	-70	564	9,376
Naphthas and Lighter	85	-5,558	198	1	23	-5,251	-21	-125	-5,757
Kerosene and Light Gas Oils	-188	-932	349	-89	-7	-867	-383	-284	-1,101
Heavy Gas Oils	47	2,660	3,273	61	-10	6,031	314	92	9,329
Residuum	20	3,064	2,767	-86	—	5,765	20	881	6,905
Motor Gasoline Blend Comp. (MGBC)(net)	-9,177	-52,405	-28,307	-1,601	-1,564	-93,054	-4,766	-30,955	-191,054
Reformulated - RBOB	-763	-13,570	-1,566	—	-630	-16,529	—	-24,033	-54,859
Conventional	-8,414	-38,835	-26,741	-1,601	-934	-76,525	-4,766	-6,922	-136,195
CBOB	-8,117	-33,840	-26,033	-1,530	-898	-70,418	-4,896	-7,885	-130,225
GTAB	—	—	—	—	—	—	—	—	—
Other	-297	-4,995	-708	-71	-36	-6,107	130	963	-5,970
Aviation Gasoline Blend. Comp. (net)	5	—	4	—	—	9	—	—	9
<b>Total Input to Refineries</b>	<b>11,586</b>	<b>76,357</b>	<b>48,633</b>	<b>5,762</b>	<b>1,385</b>	<b>143,723</b>	<b>12,643</b>	<b>30,932</b>	<b>257,762</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average)	644	4,150	2,144	210	90	7,239	533	2,047	13,846
Operable Capacity (daily average)	742	5,114	3,732	258	110	9,956	650	2,714	18,386
Operable Utilization Rate (percent) <sup>3</sup>	86.7	81.2	57.4	81.4	82.2	72.7	81.9	75.4	75.3
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming	142	627	419	33	18	1,238	87	348	2,383
Catalytic Cracking	175	1,310	657	17	23	2,183	141	526	4,146
Catalytic Hydrocracking	40	449	362	14	16	881	24	402	1,649
Delayed and Fluid Coking	22	628	373	24	—	1,047	46	364	1,963
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent)	0.53	1.37	1.19	1.36	0.84	1.22	1.46	1.24	1.27
API Gravity, Weighted Average (degrees)	37.57	34.94	32.01	29.65	37.92	34.23	32.82	30.36	33.38
<b>Operable Capacity (daily average)</b>	<b>742</b>	<b>5,114</b>	<b>3,732</b>	<b>258</b>	<b>110</b>	<b>9,956</b>	<b>650</b>	<b>2,714</b>	<b>18,386</b>
Operating	742	5,079	2,555	258	110	8,744	638	2,654	16,943
Idle	—	35	1,177	—	—	1,212	13	60	1,443
<b>Alaskan Crude Oil Receipts</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>10,961</b>	<b>10,961</b>

— = Not Applicable.

NA = 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, October 2020**  
(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 .....	333	-19	314	1,209	-124	131	1,216
Natural Gas Liquids .....	-260	-19	-279	362	-287	-21	54
Ethane .....	-	-	-	-	-	-	-
Propane .....	353	25	378	1,519	301	462	2,282
Normal Butane .....	-443	-33	-476	-993	-552	-404	-1,949
Isobutane .....	-170	-11	-181	-164	-36	-79	-279
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	593	-	593	847	163	152	1,162
Ethylene .....	15	-	15	-	-	-	-
Propylene .....	508	-	508	893	163	160	1,216
Normal Butylene .....	40	-	40	-46	-	-8	-54
Isobutylene .....	30	-	30	-	-	-	-
Finished Motor Gasoline .....	546	1,169	1,715	6,412	2,190	3,496	12,098
Reformulated .....	546	-	546	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	546	-	546	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	1,169	1,169	6,412	2,190	3,496	12,098
Conventional Blended with Fuel Ethanol .....	-	1,155	1,155	1,483	1,462	1,509	4,454
Ed55 and Lower .....	-	1,155	1,155	1,483	1,462	1,509	4,454
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	14	14	4,929	728	1,987	7,644
Finished Aviation Gasoline .....	-	-	-	-	49	-	49
Kerosene-Type Jet Fuel .....	592	-	592	3,706	603	643	4,952
Kerosene .....	138	2	140	249	-	44	293
Distillate Fuel Oil .....	3,515	732	4,247	17,826	4,810	10,485	33,121
15 ppm sulfur and under .....	3,546	714	4,260	17,751	4,856	10,538	33,145
Greater than 15 ppm to 500 ppm sulfur .....	-3	-3	-6	-	-	-17	-17
Greater than 500 ppm sulfur .....	-28	21	-7	75	-46	-36	-7
Residual Fuel Oil .....	907	4	911	724	148	131	1,003
Less than 0.31 percent sulfur .....	-	4	4	92	-	-	92
0.31 to 1.00 percent sulfur .....	776	-	776	235	80	21	336
Greater than 1.00 percent sulfur .....	131	-	131	397	68	110	575
Petrochemical Feedstocks .....	-	-	-	705	-	28	733
Naphtha for Petro. Feed. Use .....	-	-	-	420	-	-	420
Other Oils for Petro. Feed. Use .....	-	-	-	285	-	28	313
Special Naphthas .....	-	15	15	-25	-	17	-8
Lubricants .....	88	175	263	-	-	256	256
Waxes .....	-	-14	-14	-	-	42	42
Petroleum Coke .....	643	17	660	3,989	974	842	5,805
Marketable .....	200	-	200	2,959	806	591	4,356
Catalyst .....	443	17	460	1,030	168	251	1,449
Asphalt and Road Oil .....	301	669	970	2,568	1,029	374	3,971
Still Gas .....	819	46	865	2,525	537	1,077	4,139
Miscellaneous Products .....	39	29	68	317	117	48	482
<b>Total .....</b>	<b>7,921</b>	<b>2,825</b>	<b>10,746</b>	<b>40,205</b>	<b>10,333</b>	<b>17,614</b>	<b>68,152</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,337	41	-1,296	-4,671	-1,174	-1,293	-7,138

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2020**  
(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			
Hydrocarbon Gas Liquids .....	648	5,931	3,837	2	-5	10,413	95	667	12,705
Natural Gas Liquids .....	296	2,406	1,397	-28	-5	4,066	35	559	4,435
Ethane .....	5	140	16	—	—	161	—	—	161
Propane .....	408	2,362	1,420	11	27	4,228	209	907	8,004
Normal Butane .....	-54	286	-172	-39	-31	-10	-136	-400	-2,971
Isobutane .....	-63	-382	133	—	-1	-313	-38	52	-759
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	352	3,525	2,440	30	—	6,347	60	108	8,270
Ethylene .....	—	—	—	—	—	—	—	—	15
Propylene .....	368	3,849	2,544	30	—	6,791	31	122	8,668
Normal Butylene .....	-16	-300	-104	—	—	-420	29	-14	-419
Isobutylene .....	—	-24	—	—	—	-24	—	—	6
Finished Motor Gasoline .....	2,754	11,958	11,064	591	40	26,407	4,215	2,533	46,968
Reformulated .....	—	—	—	—	—	—	—	573	1,119
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	573	1,119
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	2,754	11,958	11,064	591	40	26,407	4,215	1,960	45,849
Conventional Blended with Fuel Ethanol .....	2,215	465	1,839	527	40	5,086	2,422	376	13,493
Ed55 and Lower .....	2,215	465	1,839	527	40	5,086	2,422	376	13,493
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	539	11,493	9,225	64	—	21,321	1,793	1,584	32,356
Finished Aviation Gasoline .....	119	82	96	—	—	297	6	1	353
Kerosene-Type Jet Fuel .....	1,065	8,142	2,872	193	—	12,272	753	6,876	25,445
Kerosene .....	-2	—	43	21	—	62	—	0	495
Distillate Fuel Oil .....	5,866	36,815	25,231	2,370	1,170	71,452	5,478	15,345	129,643
15 ppm sulfur and under .....	5,843	35,641	23,666	2,235	1,170	68,555	5,474	14,656	126,090
Greater than 15 ppm to 500 ppm sulfur .....	23	298	115	110	—	546	58	268	849
Greater than 500 ppm sulfur .....	—	876	1,450	25	—	2,351	-54	421	2,704
Residual Fuel Oil .....	286	728	-107	-50	23	880	363	1,892	5,049
Less than 0.31 percent sulfur .....	253	—	—	—	—	253	223	46	618
0.31 to 1.00 percent sulfur .....	-5	313	83	-50	—	341	9	655	2,117
Greater than 1.00 percent sulfur .....	38	415	-190	—	23	286	131	1,191	2,314
Petrochemical Feedstocks .....	128	5,402	1,688	—	—	7,218	—	—	7,951
Naphtha for Petro. Feed. Use .....	119	3,765	957	—	—	4,841	—	—	5,261
Other Oils for Petro. Feed. Use .....	9	1,637	731	—	—	2,377	—	—	2,690
Special Naphthas .....	67	726	—	227	—	1,020	—	33	1,060
Lubricants .....	19	1,757	1,370	840	—	3,986	—	534	5,039
Waxes .....	—	42	56	22	—	120	—	—	148
Petroleum Coke .....	363	7,036	3,993	145	22	11,559	595	3,705	22,324
Marketable .....	129	5,166	3,101	130	—	8,526	397	2,902	16,381
Catalyst .....	234	1,870	892	15	22	3,033	198	803	5,943
Asphalt and Road Oil .....	255	245	537	1,089	81	2,207	1,160	822	9,130
Still Gas .....	703	5,672	2,666	232	67	9,340	543	2,895	17,782
Miscellaneous Products .....	143	795	345	15	39	1,337	96	358	2,341
<b>Total .....</b>	<b>12,414</b>	<b>85,331</b>	<b>53,691</b>	<b>5,697</b>	<b>1,437</b>	<b>158,570</b>	<b>13,304</b>	<b>35,661</b>	<b>286,433</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-828	-8,974	-5,058	65	-52	-14,847	-661	-4,729	-28,671

— = 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, October 2020**  
(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>1,401</b>	<b>—</b>	<b>1,401</b>	<b>169</b>	<b>134</b>	<b>438</b>	<b>741</b>
Natural Gas Liquids .....	1,401	—	1,401	169	134	438	741
Normal Butane .....	1,044	—	1,044	169	132	395	696
Isobutane .....	—	—	—	—	—	—	—
Natural Gasoline .....	357	—	357	—	2	43	45
<b>Other Liquids</b> .....	<b>83,604</b>	<b>5,830</b>	<b>89,434</b>	<b>42,520</b>	<b>8,192</b>	<b>12,549</b>	<b>63,261</b>
Oxygenates/Renewables .....	8,986	625	9,611	4,627	973	1,429	7,029
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	8,986	625	9,611	4,627	973	1,429	7,029
Fuel Ethanol .....	8,764	580	9,344	4,466	902	1,370	6,738
Renewable Diesel Fuel <sup>2</sup> .....	222	45	267	161	71	59	291
Other Renewable Fuels .....	—	—	—	—	—	—	—
Unfinished Oils (net) .....	—	—	—	148	—	—	148
Naphthas and Lighter .....	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	—	—	—	—	—
Heavy Gas Oils .....	—	—	—	4	—	—	4
Residuum .....	—	—	—	144	—	—	144
Motor Gasoline Blend.Comp. (MGBC)(net) .....	74,618	5,205	79,823	37,745	7,219	11,120	56,084
Reformulated - RBOB .....	22,536	—	22,536	6,250	1,260	845	8,355
Conventional .....	52,082	5,205	57,287	31,495	5,959	10,275	47,729
CBOB .....	43,510	5,205	48,715	31,483	5,959	10,275	47,717
GTAB .....	2,869	—	2,869	—	—	—	—
Other .....	5,703	—	5,703	12	—	—	12
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>85,005</b>	<b>5,830</b>	<b>90,835</b>	<b>42,689</b>	<b>8,326</b>	<b>12,987</b>	<b>64,002</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>51</b>	<b>1,251</b>	<b>156</b>	<b>46</b>	<b>—</b>	<b>1,504</b>	<b>65</b>	<b>49</b>	<b>3,760</b>
Natural Gas Liquids .....	51	1,251	156	46	—	1,504	65	49	3,760
Normal Butane .....	42	746	156	46	—	990	51	49	2,830
Isobutane .....	—	—	—	—	—	—	2	—	2
Natural Gasoline .....	9	505	—	—	—	514	12	—	928
<b>Other Liquids</b> .....	<b>16,731</b>	<b>9,453</b>	<b>3,011</b>	<b>8,600</b>	<b>1,311</b>	<b>39,106</b>	<b>4,571</b>	<b>40,859</b>	<b>237,231</b>
Oxygenates/Renewables .....	1,743	813	314	986	143	3,999	632	4,684	25,955
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	1,743	813	314	986	143	3,999	632	4,684	25,955
Fuel Ethanol .....	1,723	758	314	949	130	3,874	615	4,297	24,868
Renewable Diesel Fuel <sup>2</sup> .....	20	55	—	37	13	125	17	378	1,078
Other Renewable Fuels .....	—	—	—	—	—	—	—	9	9
Unfinished Oils (net) .....	—	—	—	—	—	—	—	—	148
Naphthas and Lighter .....	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	—	—	—	—	—	—	—
Heavy Gas Oils .....	—	—	—	—	—	—	—	—	4
Residuum .....	—	—	—	—	—	—	—	—	144
Motor Gasoline Blend.Comp. (MGBC)(net) .....	14,988	8,640	2,697	7,614	1,168	35,107	3,939	36,175	211,128
Reformulated - RBOB .....	6,107	5,917	—	12	—	12,036	—	26,454	69,381
Conventional .....	8,881	2,723	2,697	7,602	1,168	23,071	3,939	9,721	141,747
CBOB .....	8,881	-3,728	1,356	7,602	1,164	15,275	3,938	9,704	125,349
GTAB .....	—	—	—	—	—	—	—	—	2,869
Other .....	—	6,451	1,341	—	4	7,796	1	17	13,529
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>16,782</b>	<b>10,704</b>	<b>3,167</b>	<b>8,646</b>	<b>1,311</b>	<b>40,610</b>	<b>4,636</b>	<b>40,908</b>	<b>240,991</b>

— = Not Applicable.

— = 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 Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, October 2020**  
(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 .....	84,783	5,787	90,570	42,442	8,256	12,930	63,628
Reformulated .....	34,319	3	34,322	7,400	1,409	939	9,748
Reformulated Blended with Fuel Ethanol .....	34,319	3	34,322	7,400	1,409	939	9,748
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	50,464	5,784	56,248	35,042	6,847	11,991	53,880
Conventional Blended with Fuel Ethanol .....	52,318	5,821	58,139	36,712	7,476	12,297	56,485
Ed55 and Lower .....	52,278	5,821	58,099	36,703	7,455	12,237	56,395
Greater than Ed55 .....	40	-	40	9	21	60	90
Conventional Other .....	-1,854	-37	-1,891	-1,670	-629	-306	-2,605
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-2	-2	-17	-	0	-17
Kerosene .....	-	-	-	-1	-	-	-1
Distillate Fuel Oil .....	219	45	264	111	71	55	237
15 ppm sulfur and under .....	220	45	265	111	71	55	237
Greater than 15 ppm to 500 ppm sulfur .....	61	-	61	-	-	105	105
Greater than 500 ppm sulfur .....	-62	-	-62	-	-	-105	-105
Residual Fuel Oil .....	-2	-	-2	-	-	-	-
Less than 0.31 percent sulfur .....	-6	-	-6	-	-	-	-
0.31 to 1.00 percent sulfur .....	-1	-	-1	-	-	-	-
Greater than 1.00 percent sulfur .....	5	-	5	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	148	-	2	150
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>85,000</b>	<b>5,830</b>	<b>90,830</b>	<b>42,683</b>	<b>8,327</b>	<b>12,987</b>	<b>63,997</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	5	0	5	6	-1	0	5

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 .....	16,761	10,682	3,166	8,611	1,298	40,518	4,618	40,524	239,858
Reformulated .....	6,805	6,299	-	-	-	13,104	-	29,431	86,605
Reformulated Blended with Fuel Ethanol .....	6,805	6,299	-	-	-	13,104	-	29,431	86,605
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	9,956	4,383	3,166	8,611	1,298	27,414	4,618	11,093	153,253
Conventional Blended with Fuel Ethanol .....	10,190	1,516	3,139	9,402	1,348	25,595	6,108	13,115	159,442
Ed55 and Lower .....	10,173	1,516	3,139	9,393	1,347	25,568	6,098	13,081	159,241
Greater than Ed55 .....	17	-	-	9	1	27	10	34	201
Conventional Other .....	-234	2,867	27	-791	-50	1,819	-1,490	-2,022	-6,189
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-	-	-	0	0	47	-13	15
Kerosene .....	-	-	1	-	-	1	-	12	12
Distillate Fuel Oil .....	21	22	0	35	12	90	-29	387	949
15 ppm sulfur and under .....	21	22	0	35	12	90	-29	372	935
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-	-	-	166
Greater than 500 ppm sulfur .....	-	-	-	-	-	-	-	15	-152
Residual Fuel Oil .....	-	-	-	-	-	-	-	0	-2
Less than 0.31 percent sulfur .....	-	-	-	-	-	-	-	-	-6
0.31 to 1.00 percent sulfur .....	-	-	-	-	-	-	-	6	5
Greater than 1.00 percent sulfur .....	-	-	-	-	-	-	-	-6	-1
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	-	-	-	-	-	150
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>16,782</b>	<b>10,704</b>	<b>3,167</b>	<b>8,646</b>	<b>1,310</b>	<b>40,609</b>	<b>4,636</b>	<b>40,910</b>	<b>240,982</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	0	0	0	0	1	1	0	-2	9

- = 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 Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2020**  
(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>5,169</b>	<b>696</b>	<b>5,865</b>	<b>9,195</b>	<b>1,775</b>	<b>2,017</b>	<b>12,987</b>
<b>Petroleum Products</b>	<b>9,322</b>	<b>1,700</b>	<b>11,022</b>	<b>29,548</b>	<b>5,918</b>	<b>10,641</b>	<b>46,107</b>
Hydrocarbon Gas Liquids	738	36	774	3,205	522	1,715	5,442
Natural Gas Liquids	476	36	512	2,615	501	1,685	4,801
Ethane	—	—	—	—	—	—	—
Propane	69	3	72	541	37	1,128	1,706
Normal Butane	229	24	253	1,668	420	239	2,327
Isobutane	178	9	187	313	44	145	502
Natural Gasoline	—	—	—	93	—	173	266
Refinery Olefins	262	0	262	590	21	30	641
Ethylene	—	—	—	—	—	—	—
Propylene	121	0	121	372	21	23	416
Normal Butylene	107	0	107	218	0	7	225
Isobutylene	34	0	34	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	127	100	227	75	58	28	161
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	127	100	227	49	58	28	135
Fuel Ethanol	127	92	219	27	41	23	91
Renewable Diesel Fuel <sup>2</sup>	—	8	8	22	17	5	44
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	26	—	—	26
Unfinished Oils	3,281	355	3,636	8,098	610	3,435	12,143
Naphthas and Lighter	634	224	858	2,209	181	1,020	3,410
Kerosene and Light Gas Oils	526	—	526	1,624	212	345	2,181
Heavy Gas Oils	1,414	126	1,540	2,785	213	1,301	4,299
Residuum	707	5	712	1,480	4	769	2,253
Motor Gasoline Blending Components (MGBC)	3,080	185	3,265	7,753	1,727	2,687	12,167
Reformulated - RBOB	1,105	—	1,105	918	—	—	918
Conventional	1,975	185	2,160	6,835	1,727	2,687	11,249
CBOB	99	165	264	2,615	1,031	1,734	5,380
GTAB	—	—	—	—	—	—	—
Other	1,876	20	1,896	4,220	696	953	5,869
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	46	46	1,146	207	325	1,678
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	46	46	1,146	207	325	1,678
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	46	46	1,146	207	325	1,678
Finished Aviation Gasoline	—	—	—	—	58	—	58
Kerosene-Type Jet Fuel	229	—	229	1,307	273	214	1,794
Kerosene	74	7	81	71	—	20	91
Distillate Fuel Oil	1,083	187	1,270	3,257	910	1,512	5,679
15 ppm sulfur and under	870	123	993	3,098	767	1,406	5,271
Greater than 15 ppm to 500 ppm sulfur	30	33	63	—	9	21	30
Greater than 500 ppm sulfur	183	31	214	159	134	85	378
Residual Fuel Oil	325	19	344	626	169	73	868
Less than 0.31 percent sulfur	—	18	18	51	—	—	51
0.31 to 1.00 percent sulfur	126	1	127	114	25	30	169
Greater than 1.00 percent sulfur	199	—	199	461	144	43	648
Petrochemical Feedstocks	—	—	—	453	—	—	453
Naphtha for Petro. Feed. Use	—	—	—	347	—	—	347
Other Oils for Petro. Feed. Use	—	—	—	106	—	—	106
Special Naphthas	—	20	20	77	—	17	94
Lubricants	298	183	481	—	—	142	142
Waxes	—	248	248	—	—	60	60
Petroleum Coke	—	—	—	1,310	554	151	2,015
Marketable	—	—	—	1,310	554	151	2,015
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	79	270	349	2,098	810	255	3,163
Miscellaneous Products	8	44	52	72	20	7	99
<b>Total Stocks, All Oils</b>	<b>14,491</b>	<b>2,396</b>	<b>16,887</b>	<b>38,743</b>	<b>7,693</b>	<b>12,658</b>	<b>59,094</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2020**  
(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>2,157</b>	<b>25,135</b>	<b>15,805</b>	<b>1,135</b>	<b>269</b>	<b>44,501</b>	<b>2,533</b>	<b>21,480</b>	<b>87,366</b>
<b>Petroleum Products</b>	<b>10,419</b>	<b>55,655</b>	<b>47,586</b>	<b>3,684</b>	<b>1,163</b>	<b>118,507</b>	<b>9,716</b>	<b>43,491</b>	<b>228,843</b>
Hydrocarbon Gas Liquids	3,461	2,001	5,397	15	40	10,914	538	1,609	19,277
Natural Gas Liquids	2,949	1,493	3,282	13	40	7,777	519	1,543	15,152
Ethane	122	—	—	—	—	122	—	—	122
Propane	736	229	110	1	2	1,078	33	85	2,974
Normal Butane	1,802	1,034	1,545	7	8	4,396	373	1,079	8,428
Isobutane	151	197	1,146	5	12	1,511	96	376	2,672
Natural Gasoline	138	33	481	—	18	670	17	3	956
Refinery Olefins	512	508	2,115	2	0	3,137	19	66	4,125
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	423	48	348	1	0	820	1	9	1,367
Normal Butylene	89	460	1,767	1	0	2,317	18	57	2,724
Isobutylene	0	0	0	0	0	0	0	0	34
Oxygenates/Renewable Fuels/Other Hydrocarbons	42	82	205	79	5	413	197	354	1,352
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	42	82	205	79	5	413	197	354	1,326
Fuel Ethanol	33	56	63	28	2	182	129	51	672
Renewable Diesel Fuel <sup>2</sup>	9	26	142	51	3	231	68	303	654
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	26
Unfinished Oils	2,077	21,052	14,359	845	573	38,906	2,758	16,063	73,506
Naphthas and Lighter	789	6,112	2,009	259	189	9,358	634	2,813	17,073
Kerosene and Light Gas Oils	483	3,458	1,797	211	137	6,086	603	2,497	11,893
Heavy Gas Oils	436	9,132	7,265	350	247	17,430	1,135	7,881	32,285
Residuum	369	2,350	3,288	25	—	6,032	386	2,872	12,255
Motor Gasoline Blending Components (MGBC)	2,557	12,738	11,637	362	244	27,538	3,023	12,457	58,450
Reformulated - RBOB	171	1,263	145	—	—	1,579	—	4,578	8,180
Conventional	2,386	11,475	11,492	362	244	25,959	3,023	7,879	50,270
CBOB	1,219	3,711	5,640	277	16	10,863	1,716	2,162	20,385
GTAB	—	—	—	—	—	—	—	—	—
Other	1,167	7,764	5,852	85	228	15,096	1,307	5,717	29,885
Aviation Gasoline Blending Components	16	—	12	—	—	28	—	—	28
Finished Motor Gasoline	241	1,771	2,333	16	—	4,361	746	748	7,579
Reformulated	—	—	—	—	—	—	—	18	18
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	18	18
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	241	1,771	2,333	16	—	4,361	746	730	7,561
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	77	—	77
Ed55 and Lower	—	—	—	—	—	—	77	—	77
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	241	1,771	2,333	16	—	4,361	669	730	7,484
Finished Aviation Gasoline	43	137	151	—	—	331	6	163	558
Kerosene-Type Jet Fuel	321	2,553	1,835	53	—	4,762	282	2,982	10,049
Kerosene	22	—	78	2	—	102	1	1	276
Distillate Fuel Oil	855	6,349	5,569	405	90	13,268	1,215	4,799	26,231
15 ppm sulfur and under	817	5,633	4,571	269	90	11,380	1,073	4,200	22,917
Greater than 15 ppm to 500 ppm sulfur	38	190	294	48	—	570	116	238	1,017
Greater than 500 ppm sulfur	—	526	704	88	—	1,318	26	361	2,297
Residual Fuel Oil	106	1,818	1,215	21	52	3,212	181	1,820	6,425
Less than 0.31 percent sulfur	11	—	17	—	—	28	29	23	149
0.31 to 1.00 percent sulfur	39	273	201	21	—	534	3	122	955
Greater than 1.00 percent sulfur	56	1,545	997	—	52	2,650	149	1,675	5,321
Petrochemical Feedstocks	111	1,388	533	20	—	2,052	—	2	2,507
Naphtha for Petro. Feed. Use	31	903	496	20	—	1,450	—	2	1,799
Other Oils for Petro. Feed. Use	80	485	37	—	—	602	—	—	708
Special Naphthas	142	586	—	89	—	817	—	46	977
Lubricants	38	2,037	1,687	569	—	4,331	—	582	5,536
Waxes	—	68	79	71	—	218	—	—	526
Petroleum Coke	10	2,757	1,956	—	—	4,723	150	1,246	8,134
Marketable	10	2,757	1,956	—	—	4,723	150	1,246	8,134
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	366	129	454	1,137	141	2,227	606	523	6,868
Miscellaneous Products	11	189	86	—	18	304	13	96	564
<b>Total Stocks, All Oils</b>	<b>12,576</b>	<b>80,790</b>	<b>63,391</b>	<b>4,819</b>	<b>1,432</b>	<b>163,008</b>	<b>12,249</b>	<b>64,971</b>	<b>316,209</b>

— = Not Applicable.

— = 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, October 2020

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 .....	2.0	-0.7	1.6	1.8	-0.8	0.5	1.1
Finished Motor Gasoline <sup>1</sup> .....	64.6	38.3	61.0	56.8	53.8	51.7	55.2
Finished Aviation Gasoline <sup>2</sup> .....	—	—	—	—	0.3	—	0.1
Kerosene-Type Jet Fuel .....	3.5	—	3.0	5.5	4.0	2.4	4.6
Kerosene .....	0.8	0.1	0.7	0.4	—	0.2	0.3
Distillate Fuel Oil <sup>3</sup> .....	20.6	26.2	21.4	26.4	31.9	39.4	30.3
Residual Fuel Oil .....	5.3	0.2	4.6	1.1	1.0	0.5	0.9
Naphtha for Petro. Feed. Use .....	—	—	—	0.6	—	—	0.4
Other Oils for Petro. Feed. Use .....	—	—	—	0.4	—	0.1	0.3
Special Naphthas .....	—	0.6	0.1	0.0	—	0.1	0.0
Lubricants .....	0.5	6.4	1.3	—	—	1.0	0.2
Waxes .....	—	-0.5	-0.1	—	—	0.2	0.0
Petroleum Coke .....	3.8	0.6	3.3	5.9	6.5	3.2	5.3
Asphalt and Road Oil .....	1.8	24.6	4.9	3.8	6.9	1.4	3.7
Still Gas .....	4.8	1.7	4.4	3.8	3.6	4.1	3.8
Miscellaneous Products .....	0.2	1.1	0.3	0.5	0.8	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-7.8	1.5	-6.5	-6.9	-7.8	-4.9	-6.6

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	3.3	4.8	5.2	0.0	-0.2	4.6	0.6	1.1	2.9
Finished Motor Gasoline <sup>1</sup> .....	55.1	48.3	48.9	28.8	52.6	48.5	49.6	52.8	51.4
Finished Aviation Gasoline <sup>2</sup> .....	0.6	0.1	0.1	—	—	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel .....	5.4	6.5	3.9	2.7	—	5.4	4.5	11.5	5.9
Kerosene .....	0.0	—	0.1	0.3	—	0.0	—	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	29.7	29.5	34.3	32.5	41.3	31.3	32.7	25.3	29.8
Residual Fuel Oil .....	1.5	0.6	-0.2	-0.7	0.8	0.4	2.2	3.2	1.2
Naphtha for Petro. Feed. Use .....	0.6	3.0	1.3	—	—	2.1	—	—	1.2
Other Oils for Petro. Feed. Use .....	0.1	1.3	1.0	—	—	1.0	—	—	0.6
Special Naphthas .....	0.3	0.6	—	3.1	—	0.5	—	0.1	0.3
Lubricants .....	0.1	1.4	1.9	11.6	—	1.8	—	0.9	1.2
Waxes .....	—	0.0	0.1	0.3	—	0.1	—	—	0.0
Petroleum Coke .....	1.9	5.7	5.4	2.0	0.8	5.1	3.6	6.2	5.2
Asphalt and Road Oil .....	1.3	0.2	0.7	15.1	2.9	1.0	7.0	1.4	2.1
Still Gas .....	3.6	4.6	3.6	3.2	2.4	4.1	3.3	4.9	4.1
Miscellaneous Products .....	0.7	0.6	0.5	0.0	1.0	0.6	0.6	0.6	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.2	-7.2	-6.9	0.9	-1.8	-6.5	-4.0	-7.9	-6.6

— = 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, October 2020**  
(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> .....	—	1,069	673	1,742
Connecticut .....	—	—	—	—
Delaware .....	—	—	—	—
Florida .....	—	—	—	—
Georgia .....	—	—	—	—
Maine .....	—	—	—	—
Maryland .....	—	—	—	—
Massachusetts .....	—	—	—	—
New Hampshire .....	—	—	—	—
New Jersey .....	—	938	196	1,134
New York .....	—	—	477	477
North Carolina .....	—	—	—	—
Pennsylvania .....	—	131	—	131
Rhode Island .....	—	—	—	—
South Carolina .....	—	—	—	—
Vermont .....	—	—	—	—
Virginia .....	—	—	—	—
West Virginia .....	—	—	—	—
<b>PAD District 2</b> .....	—	23	18	41
Illinois .....	—	—	—	—
Indiana .....	—	—	—	—
Michigan .....	—	—	—	—
Minnesota .....	—	13	9	22
North Dakota .....	—	10	—	10
Ohio .....	—	—	—	—
Wisconsin .....	—	—	—	—
<b>PAD District 3</b> .....	338	2,065	1,424	3,827
Alabama .....	—	—	—	—
Louisiana .....	—	1,728	506	2,234
Mississippi .....	—	—	—	—
New Mexico .....	—	—	—	—
Texas .....	338	337	918	1,593
<b>PAD District 4</b> .....	—	—	—	—
Idaho .....	—	—	—	—
Montana .....	—	—	—	—
<b>PAD District 5</b> .....	—	78	113	191
Alaska .....	—	—	—	—
California .....	—	—	75	75
Hawaii .....	—	—	—	—
Oregon .....	—	—	—	—
Washington .....	—	78	38	116
<b>U.S. Total</b> .....	338	3,235	2,228	5,801

— = 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, October 2020**  
(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>12,359</b>	<b>68,685</b>	<b>47,555</b>	<b>7,769</b>	<b>27,720</b>	<b>164,088</b>	<b>5,293</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,065</b>	<b>2,264</b>	<b>29</b>	<b>371</b>	<b>1,415</b>	<b>5,144</b>	<b>166</b>
Natural Gas Liquids .....	797	2,059	—	371	1,415	4,642	150
Ethane .....	—	—	—	—	—	—	—
Propane .....	702	1,949	—	310	900	3,861	125
Normal Butane .....	36	67	—	59	485	647	21
Isobutane .....	59	36	—	2	30	127	4
Natural Gasoline .....	—	7	—	—	—	7	0
Refinery Olefins .....	268	205	29	—	—	502	16
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	268	173	—	—	—	441	14
Normal Butylene .....	—	32	29	—	—	61	2
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>15,566</b>	<b>105</b>	<b>13,443</b>	<b>108</b>	<b>3,394</b>	<b>32,616</b>	<b>1,052</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	177	91	—	75	1,193	1,536	50
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
Other Oxygenates <sup>3</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	177	91	—	75	1,193	1,536	50
Fuel Ethanol .....	—	—	—	—	499	499	16
Biodiesel .....	177	91	—	75	77	420	14
Other Renewable Diesel Fuel .....	—	—	—	—	617	617	20
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils <sup>1</sup> .....	1,979	—	12,072	—	1,901	15,952	515
Naphthas and Lighter .....	181	—	—	—	—	181	6
Kerosene and Lighter Gas Oils .....	—	—	22	—	21	43	1
Heavy Gas Oils .....	1,798	—	3,421	—	1,582	6,801	219
Residuum .....	—	—	8,629	—	298	8,927	288
Motor Gasoline Blend Comp. (MGBC) .....	13,410	14	1,371	33	300	15,128	488
Reformulated - RBOB .....	6,077	—	—	—	—	6,077	196
Conventional .....	7,333	14	1,371	33	300	9,051	292
CBOB .....	607	—	—	—	—	607	20
GTAB .....	1,075	—	—	—	—	1,075	35
Other .....	5,651	14	1,371	33	300	7,369	238
Aviation Gasoline Blend. Comp. .....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>14,882</b>	<b>1,188</b>	<b>6,775</b>	<b>108</b>	<b>3,720</b>	<b>26,673</b>	<b>860</b>
Finished Motor Gasoline .....	2,214	—	405	—	299	2,918	94
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	2,214	—	405	—	299	2,918	94
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	2,214	—	405	—	299	2,918	94
Finished Aviation Gasoline .....	1	4	—	1	2	8	0
Kerosene-Type Jet Fuel .....	1,887	—	—	—	2,598	4,485	145
Bonded Aircraft Fuel .....	—	—	—	—	—	—	—
Other .....	1,887	—	—	—	2,598	4,485	145
Kerosene .....	303	—	—	—	—	303	10
Distillate Fuel Oil .....	7,815	214	9	88	554	8,680	280
15 ppm sulfur and under .....	7,812	182	9	87	246	8,336	269
Bonded .....	—	—	—	—	—	—	—
Other .....	7,812	182	9	87	246	8,336	269
Greater than 15 ppm to 500 ppm sulfur .....	3	—	—	—	308	311	10
Bonded .....	—	—	—	—	—	—	—
Other .....	3	—	—	—	308	311	10
Greater than 500 ppm to 2000 ppm sulfur .....	—	32	—	1	—	33	1
Bonded .....	—	—	—	—	—	—	—
Other .....	—	32	—	1	—	33	1
Greater than 2000 ppm .....	—	—	—	—	—	—	—
Bonded .....	—	—	—	—	—	—	—
Other .....	—	—	—	—	—	—	—
Residual Fuel Oil .....	1,742	41	3,827	—	191	5,801	187
Less than 0.31 percent sulfur .....	—	—	338	—	—	338	11
0.31 to 1.00 percent sulfur .....	1,069	23	2,065	—	78	3,235	104
Greater than 1.00 percent sulfur .....	673	18	1,424	—	113	2,228	72
Petrochemical Feedstocks .....	—	158	339	—	—	497	16
Naphtha for Petro. Feed. Use .....	—	84	288	—	—	372	12
Other Oils for Petro. Feed. Use .....	—	74	51	—	—	125	4
Special Naphthas .....	3	6	572	—	—	581	19
Lubricants .....	100	188	1,336	—	28	1,652	53
Waxes .....	78	15	28	—	36	157	5
Petroleum Coke (Marketable) .....	7	24	259	—	—	290	9
Asphalt and Road Oil .....	732	538	—	18	12	1,300	42
Miscellaneous Products .....	—	—	—	1	—	1	0
<b>Total</b> .....	<b>43,872</b>	<b>72,242</b>	<b>67,802</b>	<b>8,356</b>	<b>36,249</b>	<b>228,521</b>	<b>7,372</b>

— = Not Applicable.

— = 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-October 2020**  
(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>133,896</b>	<b>728,969</b>	<b>559,232</b>	<b>91,819</b>	<b>292,693</b>	<b>1,806,609</b>	<b>5,923</b>
<b>Hydrocarbon Gas Liquids</b>	<b>10,797</b>	<b>18,263</b>	<b>195</b>	<b>3,391</b>	<b>12,775</b>	<b>45,421</b>	<b>149</b>
Natural Gas Liquids	8,417	16,232	35	3,391	12,714	40,789	134
Ethane	—	—	—	—	—	—	—
Propane	7,759	12,753	35	2,893	8,404	31,844	104
Normal Butane	224	1,970	—	417	4,130	6,741	22
Isobutane	434	1,448	—	81	180	2,143	7
Natural Gasoline	—	61	—	—	—	61	0
Refinery Olefins	2,380	2,031	160	—	61	4,632	15
Ethylene	—	—	—	—	—	—	—
Propylene	2,380	1,562	—	—	—	3,942	13
Normal Butylene	—	469	160	—	61	690	2
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>145,567</b>	<b>3,280</b>	<b>149,288</b>	<b>1,186</b>	<b>28,322</b>	<b>327,643</b>	<b>1,074</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,634	1,002	346	418	8,401	11,801	39
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates <sup>3</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,634	1,002	273	418	8,401	11,728	38
Fuel Ethanol	—	—	—	—	2,726	2,726	9
Biodiesel	1,634	1,002	273	418	536	3,863	13
Other Renewable Diesel Fuel	—	—	—	—	5,139	5,139	17
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	73	—	—	73	0
Unfinished Oils <sup>1</sup>	21,140	168	135,511	—	13,648	170,467	559
Naphthas and Lighter	3,936	—	2,147	—	172	6,255	21
Kerosene and Lighter Gas Oils	—	75	234	—	21	330	1
Heavy Gas Oils	17,201	93	40,530	—	10,957	68,781	226
Residuum	3	—	92,600	—	2,498	95,101	312
Motor Gasoline Blend Comp. (MGBC)	122,793	2,110	13,431	768	6,273	145,375	477
Reformulated - RBOB	50,036	—	—	—	1,120	51,156	168
Conventional	72,757	2,110	13,431	768	5,153	94,219	309
CBOB	7,554	248	135	14	646	8,597	28
GTAB	17,061	—	933	—	230	18,224	60
Other	48,142	1,862	12,363	754	4,277	67,398	221
Aviation Gasoline Blend Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>115,290</b>	<b>10,579</b>	<b>55,520</b>	<b>1,918</b>	<b>44,707</b>	<b>228,014</b>	<b>748</b>
Finished Motor Gasoline	27,864	37	594	26	5,395	33,916	111
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	27,864	37	594	26	5,395	33,916	111
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	27,864	37	594	26	5,395	33,916	111
Finished Aviation Gasoline	38	36	127	3	14	218	1
Kerosene-Type Jet Fuel	14,248	—	2,511	164	29,190	46,113	151
Bonded Aircraft Fuel	1,747	—	—	—	6,565	8,312	27
Other	12,501	—	2,511	164	22,625	37,801	124
Kerosene	303	—	—	—	40	343	1
Distillate Fuel Oil	46,910	2,073	47	1,442	5,225	55,697	183
15 ppm sulfur and under	45,538	1,948	47	1,441	4,910	53,884	177
Bonded	288	90	—	—	—	378	1
Other	45,250	1,858	47	1,441	4,910	53,506	175
Greater than 15 ppm to 500 ppm sulfur	1,109	—	—	—	308	1,417	5
Bonded	—	—	—	—	—	—	—
Other	1,109	—	—	—	308	1,417	5
Greater than 500 ppm to 2000 ppm sulfur	263	125	—	1	7	396	1
Bonded	—	—	—	—	—	—	—
Other	263	125	—	1	7	396	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	14,528	841	33,568	—	3,336	52,273	171
Less than 0.31 percent sulfur	1,105	—	912	—	—	2,017	7
0.31 to 1.00 percent sulfur	6,883	402	5,049	—	808	13,142	43
Greater than 1.00 percent sulfur	6,540	439	27,607	—	2,528	37,114	122
Petrochemical Feedstocks	877	1,529	3,327	—	242	5,975	20
Naphtha for Petro. Feed. Use	870	832	2,995	—	242	4,939	16
Other Oils for Petro. Feed. Use	7	697	332	—	—	1,036	3
Special Naphthas	14	63	4,104	—	—	4,181	14
Lubricants	1,235	1,302	8,201	—	195	10,933	36
Waxes	717	132	301	—	284	1,434	5
Petroleum Coke (Marketable)	29	239	2,618	—	119	3,005	10
Asphalt and Road Oil	8,527	4,327	122	273	667	13,916	46
Miscellaneous Products	—	—	—	10	—	10	0
<b>Total</b>	<b>405,550</b>	<b>761,091</b>	<b>764,235</b>	<b>98,314</b>	<b>378,497</b>	<b>2,407,687</b>	<b>7,894</b>

— = Not Applicable.

— = 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, October 2020**  
(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		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>17,618</b>	<b>29</b>	<b>-</b>	<b>80</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,597</b>	<b>1,597</b>
Algeria .....	-	-	-	80	-	-	-	-	-	-
Angola .....	2,047	-	-	-	-	-	-	-	179	179
Congo (Brazzaville) .....	950	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	29	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	1,111	1,111
Iraq .....	3,737	-	-	-	-	-	-	-	-	-
Kuwait .....	774	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	618	-	-	-	-	-	-	-	307	307
Saudi Arabia .....	8,544	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	948	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>146,470</b>	<b>4,613</b>	<b>502</b>	<b>15,872</b>	<b>-</b>	<b>2,918</b>	<b>2,918</b>	<b>6,077</b>	<b>7,454</b>	<b>13,531</b>
Argentina .....	838	-	-	-	-	10	10	-	38	38
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	148	-	148
Brazil .....	2,484	-	-	-	-	23	23	-	349	349
Brunei .....	984	-	-	-	-	-	-	-	-	-
Cameroon .....	699	-	-	-	-	-	-	-	-	-
Canada .....	106,294	4,613	473	133	-	599	599	3,680	654	4,334
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	6,077	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	149	-	-	-	-	-	-
Ecuador .....	4,772	-	-	357	-	-	-	-	-	-
Egypt .....	-	-	-	334	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	65	-	-	-	-	686	686
France .....	-	-	-	-	-	282	282	550	-	550
Germany .....	-	-	-	-	-	-	-	-	80	80
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	790	790
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	646	646
Korea, South .....	-	-	-	-	-	-	-	-	150	150
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	3	3	-	626	626
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	14,619	-	29	1,756	-	-	-	-	271	271
Netherlands .....	-	-	-	-	-	54	54	490	169	659
Norway .....	1,048	-	-	516	-	-	-	180	-	180
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	845	845	-	29	29
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	4,501	-	-	12,172	-	320	320	-	953	953
Spain .....	-	-	-	-	-	578	578	-	-	-
Sweden .....	-	-	-	210	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	1,065	-	-	-	-	-	-	-	-	-
United Kingdom .....	1,390	-	-	73	-	-	-	1,029	668	1,697
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	1,699	0	0	107	-	204	204	0	1,345	1,345
<b>Total</b> .....	<b>164,088</b>	<b>4,642</b>	<b>502</b>	<b>15,952</b>	<b>-</b>	<b>2,918</b>	<b>2,918</b>	<b>6,077</b>	<b>9,051</b>	<b>15,128</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>14,003</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,111</b>	<b>1,111</b>

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, October 2020**  
(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> .....	--	--	-	-	-	-	843	-	-	-	843
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	68	-	-	-	68
United Arab Emirates .....	--	--	-	-	-	-	775	-	-	-	775
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	499	420	617	-	7,493	311	33	-	7,837
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	-	-	-	-	-
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	387	-	-	-	387
Brazil .....	--	--	499	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	215	-	-	3,886	3	33	-	3,922
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	308	-	-	308
Colombia .....	--	--	-	-	-	-	1,322	-	-	-	1,322
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	136	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Italy .....	--	--	-	-	-	-	143	-	-	-	143
Korea, South .....	--	--	-	69	-	-	-	-	-	-	-
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	767	-	-	-	767
Mexico .....	--	--	-	-	-	-	-	-	-	-	-
Netherlands .....	--	--	-	-	-	-	393	-	-	-	393
Norway .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Portugal .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	117	-	-	-	117
Russia .....	--	--	-	-	-	-	478	-	-	-	478
Spain .....	--	--	-	-	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Syria .....	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Yemen .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	0	0	617	-	0	0	0	-	0
<b>Total</b> .....	--	--	499	420	617	-	8,336	311	33	-	8,680
<b>Persian Gulf<sup>3</sup></b> .....	--	--	-	-	-	-	960	-	-	-	960

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	898	64	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	294	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	64	—	—	—	—
United Arab Emirates .....	—	—	—	604	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	303	8	—	3,587	517	338	3,235	2,228	5,801
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	368	368
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	8	—	271	89	—	141	137	278
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	130	—	—	—	167	167
Denmark .....	—	—	—	—	—	—	362	—	362
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	55	—	55
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	280	—	280
Germany .....	—	—	—	—	—	—	—	70	70
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	30	—	30
Korea, South .....	—	—	—	2,863	387	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	338	—	672	1,010
Netherlands .....	—	—	—	—	—	—	322	278	600
Norway .....	—	—	—	—	—	—	—	126	126
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	1,728	309	2,037
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	317	—	317
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	323	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	303	0	—	0	41	0	0	101	101
<b>Total</b> .....	303	8	—	4,485	581	338	3,235	2,228	5,801
<b>Persian Gulf<sup>6</sup></b> .....	—	—	—	898	64	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, October 2020**  
(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>	—	—	—	—	—	142	—	3,653	21,271	568	118	686
Algeria	—	—	—	—	—	—	—	80	80	—	3	3
Angola	—	—	—	—	—	—	—	179	2,226	66	6	72
Congo (Brazzaville)	—	—	—	—	—	—	—	—	950	31	—	31
Equatorial Guinea	—	—	—	—	—	—	—	29	29	—	1	1
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	1,111	1,111	—	36	36
Iraq	—	—	—	—	—	—	—	—	3,737	121	—	121
Kuwait	—	—	—	—	—	—	—	294	1,068	25	9	34
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	307	925	20	10	30
Saudi Arabia	—	—	—	—	—	—	—	132	8,676	276	4	280
United Arab Emirates	—	—	—	—	—	142	—	1,521	2,469	31	49	80
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	372	125	157	290	1,300	1,510	1	60,780	207,250	4,725	1,961	6,685
Argentina	—	15	—	102	—	1	—	166	1,004	27	5	32
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	368	368	—	12	12
Bahrain	—	—	—	—	—	75	—	75	75	—	2	2
Belgium	—	—	—	—	—	8	—	543	543	—	18	18
Brazil	—	—	—	157	—	—	—	1,028	3,512	80	33	113
Brunei	—	—	—	—	—	—	—	—	984	32	—	32
Cameroon	—	—	—	—	—	—	—	—	699	23	—	23
Canada	84	74	66	23	1,267	253	1	16,703	122,997	3,429	539	3,968
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	4	—	—	—	—	312	312	—	10	10
Colombia	—	—	—	—	—	—	—	1,619	7,696	196	52	248
Denmark	—	—	—	—	—	—	—	511	511	—	16	16
Ecuador	—	—	—	—	—	—	—	357	5,129	154	12	165
Egypt	—	—	20	—	—	—	—	354	354	—	11	11
Estonia	—	—	—	—	—	—	—	55	55	—	2	2
Finland	—	—	—	—	—	—	—	751	751	—	24	24
France	—	36	—	—	—	7	—	1,155	1,155	—	37	37
Germany	—	—	—	1	—	15	—	302	302	—	10	10
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	790	790	—	25	25
Indonesia	—	—	—	—	—	171	—	171	171	—	6	6
Italy	—	—	—	—	—	8	—	827	827	—	27	27
Korea, South	—	—	1	—	—	406	—	3,876	3,876	—	125	125
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	629	629	—	20	20
Malaysia	—	—	9	—	—	1	—	777	777	—	25	25
Mexico	119	—	—	—	—	—	—	3,185	17,804	472	103	574
Netherlands	—	—	—	—	—	20	—	1,726	1,726	—	56	56
Norway	—	—	—	—	—	—	—	822	1,870	34	27	60
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	22	—	896	896	—	29	29
Qatar	—	—	—	—	—	517	—	634	634	—	20	20
Russia	—	—	—	—	—	5	—	15,965	20,466	145	515	660
Spain	—	—	—	—	—	—	—	578	578	—	19	19
Sweden	—	—	—	7	—	—	—	534	534	—	17	17
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,065	34	—	34
United Kingdom	9	—	20	—	—	—	—	2,122	3,512	45	68	113
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	160	0	37	0	33	1	0	2,949	4,648	54	96	152
<b>Total</b>	372	125	157	290	1,300	1,652	1	64,433	228,521	5,293	2,078	7,372
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	734	—	3,767	17,770	452	122	573

— = Not Applicable.

1 = No Data Reported.

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

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

4 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-October 2020**  
(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		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b>	<b>271,090</b>	<b>1,049</b>	<b>-</b>	<b>3,995</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>5,941</b>	<b>6,265</b>
Algeria	-	-	-	991	-	-	-	-	1,524	1,524
Angola	8,676	-	-	-	-	-	-	-	812	812
Congo (Brazzaville)	1,898	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	844	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	1,111	1,111
Iraq	58,816	-	-	-	-	-	-	-	-	-
Kuwait	6,826	-	-	717	-	-	-	-	-	-
Libya	3,115	-	-	3	-	-	-	-	-	-
Nigeria	19,187	-	-	615	-	-	-	-	886	886
Saudi Arabia	170,626	-	-	1,207	-	920	920	324	1,021	1,345
United Arab Emirates	1,946	205	-	462	-	-	-	-	587	587
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>1,535,519</b>	<b>39,740</b>	<b>4,632</b>	<b>166,472</b>	<b>-</b>	<b>32,996</b>	<b>32,996</b>	<b>50,832</b>	<b>88,278</b>	<b>139,110</b>
Argentina	12,048	-	-	98	-	138	138	-	312	312
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	248	248
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,221	-	1,261	1,261	1,778	2,162	3,940
Brazil	19,954	-	-	23	-	2,904	2,904	30	6,771	6,801
Brunei	5,429	-	-	-	-	-	-	-	-	-
Cameroon	6,470	-	-	-	-	-	-	-	-	-
Canada	1,086,324	38,510	4,472	1,410	-	5,086	5,086	29,684	10,444	40,128
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	80,304	-	-	2,766	-	108	108	-	1,149	1,149
Denmark	-	-	-	205	-	38	38	18	25	43
Ecuador	51,009	-	-	3,865	-	-	-	-	-	-
Egypt	1,019	-	-	4,875	-	250	250	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	221	-	14	14	63	3,882	3,945
France	-	-	-	-	-	3,330	3,330	1,968	35	2,003
Germany	-	-	-	639	-	67	67	73	643	716
Guatemala	1,113	-	-	-	-	-	-	-	-	-
India	-	-	-	413	-	333	333	60	18,475	18,535
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	2,445	-	105	105	278	4,726	5,004
Korea, South	-	-	-	-	-	1,579	1,579	591	2,563	3,154
Latvia	-	-	-	-	-	59	59	-	34	34
Lithuania	-	-	-	-	-	438	438	-	984	984
Malaysia	-	-	-	1,665	-	-	-	-	32	32
Mexico	203,349	-	160	11,643	-	-	-	506	1,110	1,616
Netherlands	-	-	-	1,356	-	3,744	3,744	6,673	7,389	14,062
Norway	3,673	794	-	1,116	-	375	375	331	2,282	2,613
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	425	-	5,199	5,199	980	1,154	2,134
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	24,529	-	-	120,102	-	1,940	1,940	507	7,533	8,040
Spain	-	-	-	1,111	-	2,970	2,970	217	4,435	4,652
Sweden	-	-	-	1,848	-	723	723	31	1,087	1,118
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	11,783	167	-	-	-	-	-	-	-	-
United Kingdom	7,541	234	-	2,763	-	1,077	1,077	7,044	5,267	12,311
Vietnam	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	19,007	35	0	4,262	-	1,258	1,258	0	5,536	5,536
<b>Total</b>	<b>1,806,609</b>	<b>40,789</b>	<b>4,632</b>	<b>170,467</b>	<b>-</b>	<b>33,916</b>	<b>33,916</b>	<b>51,156</b>	<b>94,219</b>	<b>145,375</b>
<b>Persian Gulf<sup>3</sup></b>	<b>238,214</b>	<b>205</b>	<b>-</b>	<b>2,386</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>2,719</b>	<b>3,043</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-October 2020**  
(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> .....	--	--	-	-	-	-	1,427	-	-	-	1,427
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	325	-	-	-	325
Saudi Arabia .....	--	--	-	-	-	-	327	-	-	-	327
United Arab Emirates .....	--	--	-	-	-	-	775	-	-	-	775
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	2,726	3,863	5,139	-	52,457	1,417	396	-	54,270
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	301	-	-	-	301
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	387	-	-	-	387
Brazil .....	--	--	2,726	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	2,316	-	-	37,490	328	133	-	37,951
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	308	-	-	308
Colombia .....	--	--	-	-	-	-	6,167	-	-	-	6,167
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	840	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	1,132	781	-	-	1,913
Indonesia .....	--	--	-	-	-	-	500	-	-	-	500
Italy .....	--	--	-	-	-	-	446	-	-	-	446
Korea, South .....	--	--	-	505	-	-	1,651	-	-	-	1,651
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	876	-	-	-	876
Mexico .....	--	--	-	-	-	-	2	-	-	-	2
Netherlands .....	--	--	-	-	-	-	393	-	263	-	656
Norway .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Portugal .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	936	-	-	-	936
Russia .....	--	--	-	-	-	-	1,262	-	-	-	1,262
Spain .....	--	--	-	199	-	-	640	-	-	-	640
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Syria .....	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Yemen .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	0	3	5,139	-	274	0	0	-	274
<b>Total</b> .....	--	--	2,726	3,863	5,139	-	53,884	1,417	396	-	55,697
<b>Persian Gulf<sup>3</sup></b> .....	--	--	-	-	-	-	2,038	-	-	-	2,038

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-October 2020**  
(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>	—	—	—	3,572	320	11	282	982	1,275
Algeria	—	—	—	295	—	11	226	15	252
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	1,692	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	—	52
Saudi Arabia	—	—	—	939	320	—	—	658	658
United Arab Emirates	—	—	—	604	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	343	218	—	42,541	3,861	2,006	12,860	36,132	50,998
Argentina	—	—	—	125	—	314	517	—	831
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	1,776	1,950
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	106	411	517
Brazil	—	—	—	—	385	35	1,160	754	1,949
Brunei	—	—	—	1,391	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	20	63	—	2,406	548	683	1,433	4,407	6,523
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	312	—	—	—	1	1
Colombia	—	—	—	336	—	6	50	611	667
Denmark	—	—	—	—	—	—	833	—	833
Ecuador	—	—	—	15	—	—	—	763	763
Egypt	—	—	—	—	—	—	—	2,547	2,547
Estonia	—	—	—	—	—	—	55	—	55
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	34	—	280	—	280
Germany	—	—	—	—	58	—	139	70	209
Guatemala	—	—	—	5	—	—	—	—	—
India	—	—	—	3,164	140	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	744	—	—	66	107	173
Korea, South	20	—	—	23,479	1,996	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	431	431
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	79	67	947	221	13,250	14,418
Netherlands	—	155	—	—	4	—	1,176	1,249	2,425
Norway	—	—	—	—	—	—	—	126	126
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	80	—	18	3,360	7,559	10,937
Spain	—	—	—	—	26	—	—	185	185
Sweden	—	—	—	—	—	—	1,114	—	1,114
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	607	29	—	692	94	786
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	303	0	—	8,706	574	3	840	1,715	2,558
<b>Total</b>	<b>343</b>	<b>218</b>	<b>—</b>	<b>46,113</b>	<b>4,181</b>	<b>2,017</b>	<b>13,142</b>	<b>37,114</b>	<b>52,273</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4,269</b>	<b>320</b>	<b>—</b>	<b>—</b>	<b>967</b>	<b>967</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-October 2020**  
(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>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>1,176</b>	<b>—</b>	<b>20,079</b>	<b>291,169</b>	<b>889</b>	<b>66</b>	<b>955</b>
Algeria	—	—	—	—	—	—	—	3,062	3,062	—	10	10
Angola	—	—	—	—	—	—	—	812	9,488	28	3	31
Congo (Brazzaville)	—	—	—	—	—	—	—	4	1,902	6	0	6
Equatorial Guinea	—	—	—	—	—	—	—	844	844	—	3	3
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	1,111	1,111	—	4	4
Iraq	—	—	—	—	—	—	—	42	58,858	193	0	193
Kuwait	—	—	—	—	—	—	—	2,409	9,235	22	8	30
Libya	—	—	—	—	—	—	—	3	3,118	10	0	10
Nigeria	—	—	—	—	—	—	—	1,878	21,065	63	6	69
Saudi Arabia	77	—	3	—	—	36	—	5,832	176,458	559	19	579
United Arab Emirates	—	—	—	—	—	1,140	—	4,082	6,028	6	13	20
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>4,862</b>	<b>1,036</b>	<b>1,431</b>	<b>3,005</b>	<b>13,916</b>	<b>9,757</b>	<b>10</b>	<b>580,999</b>	<b>2,116,518</b>	<b>5,034</b>	<b>1,905</b>	<b>6,939</b>
Argentina	—	113	—	1,455	—	13	—	3,085	15,133	40	10	50
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	2,499	3,506	3	8	11
Bahrain	—	—	—	—	—	362	—	362	362	—	1	1
Belgium	8	—	—	—	—	155	—	9,490	9,490	—	31	31
Brazil	—	26	—	598	—	—	—	15,447	35,401	65	51	116
Brunei	—	—	—	—	—	—	—	1,391	6,820	18	5	22
Cameroon	—	—	—	—	—	—	—	—	6,470	21	—	21
Canada	832	704	611	356	12,082	2,066	10	156,094	1,242,418	3,562	512	4,074
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	274	—	—	—	—	895	895	—	3	3
Colombia	—	—	—	—	330	—	—	11,523	91,827	263	38	301
Denmark	—	—	—	—	—	—	—	1,119	1,119	—	4	4
Ecuador	—	—	—	—	—	—	—	4,643	55,652	167	15	182
Egypt	—	—	20	—	—	—	—	7,692	8,711	3	25	29
Estonia	—	—	—	—	—	—	—	55	55	—	0	0
Finland	—	—	—	—	—	20	—	4,349	4,349	—	14	14
France	3	193	10	—	—	71	—	5,924	5,924	—	19	19
Germany	—	—	15	229	—	118	—	2,891	2,891	—	9	9
Guatemala	—	—	—	—	—	—	—	5	1,118	4	0	4
India	—	—	—	—	—	—	—	24,498	24,498	—	80	80
Indonesia	—	—	—	—	—	901	—	1,401	1,401	—	5	5
Italy	—	—	48	—	141	171	—	9,277	9,623	1	30	32
Korea, South	126	—	8	—	—	2,657	—	35,175	35,175	—	115	115
Latvia	—	—	—	—	—	—	—	169	169	—	1	1
Lithuania	—	—	—	—	—	—	—	1,853	1,853	—	6	6
Malaysia	—	—	39	—	—	1	—	2,613	2,613	—	9	9
Mexico	1,763	—	—	—	—	—	—	29,748	233,097	667	98	764
Netherlands	919	—	—	130	—	404	—	23,911	23,911	—	78	78
Norway	1	—	—	—	—	—	—	5,025	8,698	12	16	29
Oman	—	—	—	200	—	—	—	200	200	—	1	1
Portugal	—	—	—	—	—	41	—	8,294	8,294	—	27	27
Qatar	—	—	—	—	—	2,587	—	4,515	4,515	—	15	15
Russia	—	—	—	—	—	28	—	142,389	166,918	80	467	547
Spain	—	—	10	—	422	38	—	10,253	10,253	—	34	34
Sweden	—	—	—	26	—	5	—	4,834	4,834	—	16	16
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	267	12,050	39	1	40
United Kingdom	83	—	97	8	—	113	—	18,108	25,649	25	59	84
Vietnam	—	—	—	—	—	—	—	—	614	2	—	2
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,127	0	299	3	941	6	0	31,005	50,012	62	102	163
<b>Total</b>	<b>4,939</b>	<b>1,036</b>	<b>1,434</b>	<b>3,005</b>	<b>13,916</b>	<b>10,933</b>	<b>10</b>	<b>601,078</b>	<b>2,407,687</b>	<b>5,923</b>	<b>1,971</b>	<b>7,894</b>
<b>Persian Gulf<sup>3</sup></b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>4,125</b>	<b>—</b>	<b>18,353</b>	<b>256,567</b>	<b>781</b>	<b>60</b>	<b>841</b>

— = Not Applicable.

— = 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, October 2020**  
(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		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>1,266</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,363</b>	<b>1,363</b>
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	146	-	-	-	-	-	-	-	179	179
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	877	877
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	618	-	-	-	-	-	-	-	307	307
Saudi Arabia .....	502	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>11,093</b>	<b>797</b>	<b>268</b>	<b>1,979</b>	<b>-</b>	<b>2,214</b>	<b>2,214</b>	<b>6,077</b>	<b>5,970</b>	<b>12,047</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	148	-	148
Brazil .....	506	-	-	-	-	-	-	-	334	334
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	699	-	-	-	-	-	-	-	-	-
Canada .....	4,792	797	268	-	-	300	300	3,680	607	4,287
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	65	-	-	-	-	686	686
France .....	-	-	-	-	-	282	282	550	-	550
Germany .....	-	-	-	-	-	-	-	-	40	40
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	640	640
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	310	310
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	3	3	-	626	626
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	1,036	-	-	200	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	490	169	659
Norway .....	1,048	-	-	-	-	-	-	180	-	180
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	845	845	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	2,034	-	-	1,504	-	320	320	-	792	792
Spain .....	-	-	-	-	-	273	273	-	-	-
Sweden .....	-	-	-	210	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	325	-	-	-	-	-	-	1,029	668	1,697
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	653	0	0	0	-	191	191	0	1,098	1,098
<b>Total</b> .....	<b>12,359</b>	<b>797</b>	<b>268</b>	<b>1,979</b>	<b>-</b>	<b>2,214</b>	<b>2,214</b>	<b>6,077</b>	<b>7,333</b>	<b>13,410</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>502</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>877</b>	<b>877</b>

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2020**  
(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>	--	--	-	-	-	-	843	-	-	-	843
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	68	-	-	-	68
United Arab Emirates	--	--	-	-	-	-	775	-	-	-	775
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	177	-	-	6,969	3	-	-	6,972
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	387	-	-	-	387
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	41	-	-	3,362	3	-	-	3,365
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	1,322	-	-	-	1,322
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	136	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	143	-	-	-	143
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	767	-	-	-	767
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	393	-	-	-	393
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	117	-	-	-	117
Russia	--	--	-	-	-	-	478	-	-	-	478
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	-	-	0
<b>Total</b>	--	--	-	177	-	-	7,812	3	-	-	7,815
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	960	-	-	-	960

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	898	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	294	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	604	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	303	1	—	989	3	—	1,069	673	1,742
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	368	368
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	248	3	—	40	—	40
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	130	—	—	—	167	167
Denmark .....	—	—	—	—	—	—	362	—	362
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	55	—	55
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	70	70
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	288	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	59	59
Netherlands .....	—	—	—	—	—	—	295	—	295
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	8	8
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	317	—	317
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	323	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	303	0	—	0	0	—	0	1	1
<b>Total</b> .....	303	1	—	1,887	3	—	1,069	673	1,742
<b>Persian Gulf<sup>6</sup></b> .....	—	—	—	898	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2020**  
(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>	—	—	—	—	—	23	—	3,127	4,393	41	101	142
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	179	325	5	6	10
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	877	877	—	28	28
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	294	294	—	9	9
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	307	925	20	10	30
Saudi Arabia	—	—	—	—	—	—	—	68	570	16	2	18
United Arab Emirates	—	—	—	—	—	23	—	1,402	1,402	—	45	45
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	—	78	7	732	77	—	28,386	39,479	358	916	1,274
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	368	368	—	12	12
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	535	535	—	17	17
Brazil	—	—	—	—	—	—	—	334	840	16	11	27
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	699	23	—	23
Canada	—	—	51	—	699	54	—	10,154	14,946	155	328	482
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	4	—	—	—	—	4	4	—	0	0
Colombia	—	—	—	—	—	—	—	1,619	1,619	—	52	52
Denmark	—	—	—	—	—	—	—	362	362	—	12	12
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	20	—	—	—	—	20	20	—	1	1
Estonia	—	—	—	—	—	—	—	55	55	—	2	2
Finland	—	—	—	—	—	—	—	751	751	—	24	24
France	—	—	—	—	—	5	—	837	837	—	27	27
Germany	—	—	—	—	—	8	—	254	254	—	8	8
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	640	640	—	21	21
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	3	—	456	456	—	15	15
Korea, South	—	—	1	—	—	—	—	289	289	—	9	9
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	629	629	—	20	20
Malaysia	—	—	1	—	—	1	—	769	769	—	25	25
Mexico	—	—	—	—	—	—	—	259	1,295	33	8	42
Netherlands	—	—	—	—	—	—	—	1,347	1,347	—	43	43
Norway	—	—	—	—	—	—	—	180	1,228	34	6	40
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	845	845	—	27	27
Qatar	—	—	—	—	—	—	—	117	117	—	4	4
Russia	—	—	—	—	—	5	—	3,107	5,141	66	100	166
Spain	—	—	—	—	—	—	—	273	273	—	9	9
Sweden	—	—	—	7	—	—	—	534	534	—	17	17
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	2,020	2,345	10	65	76
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	1	0	33	1	—	1,628	2,281	21	53	73
<b>Total</b>	—	—	78	7	732	100	—	31,513	43,872	399	1,017	1,415
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	23	—	2,758	3,260	16	89	105

— = Not Applicable.

1 = No Data Reported.

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

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

4 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, October 2020**  
(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) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>68,685</b>	<b>2,059</b>	<b>205</b>	-	-	-	-	-	<b>14</b>	<b>14</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	68,685	2,059	205	-	-	-	-	-	14	14
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
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> .....	<b>68,685</b>	<b>2,059</b>	<b>205</b>	-	-	-	-	-	<b>14</b>	<b>14</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, October 2020**  
(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) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	-	91	-	-	182	-	32	-	214
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	-	-	-	-	-
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	-	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	91	-	-	182	-	32	-	214
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	-	-	-	-
Colombia .....	--	--	-	-	-	-	-	-	-	-	-
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	-	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Italy .....	--	--	-	-	-	-	-	-	-	-	-
Korea, South .....	--	--	-	-	-	-	-	-	-	-	-
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	-	-	-	-	-
Mexico .....	--	--	-	-	-	-	-	-	-	-	-
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
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> .....	--	--	-	91	-	-	182	-	32	-	214
<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, October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	4	-	-	6	-	23	18	41
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	4	-	-	6	-	23	18	41
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
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> .....	-	4	-	-	6	-	23	18	41
<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, October 2020**  
(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) .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	84	74	15	24	538	188	—	3,557	72,242	2,216	115	2,330
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	84	74	15	23	538	188	—	3,556	72,241	2,216	115	2,330
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	1	—	—	—	1	1	—	0	0
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
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	—	0	0	0	0	0
<b>Total</b> .....	84	74	15	24	538	188	—	3,557	72,242	2,216	115	2,330
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.

— = 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, October 2020**  
(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>6,270</b>	—	—	<b>80</b>	—	—	—	—	<b>234</b>	<b>234</b>
Algeria	—	—	—	80	—	—	—	—	—	—
Angola	950	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	234	234
Iraq	959	—	—	—	—	—	—	—	—	—
Kuwait	774	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	3,587	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>41,285</b>	—	<b>29</b>	<b>11,992</b>	—	<b>405</b>	<b>405</b>	—	<b>1,137</b>	<b>1,137</b>
Argentina	470	—	—	—	—	10	10	—	38	38
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—
Brazil	1,978	—	—	—	—	23	23	—	15	15
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	17,652	—	—	112	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	4,583	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	149	—	—	—	—	—	—
Ecuador	—	—	—	357	—	—	—	—	—	—
Egypt	—	—	—	334	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	40	40
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	336	336
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	12,335	—	29	781	—	—	—	—	271	271
Netherlands	—	—	—	—	—	54	54	—	—	—
Norway	—	—	—	516	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	29	29
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	1,757	—	—	9,563	—	—	—	—	161	161
Spain	—	—	—	—	—	305	305	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	1,065	—	—	—	—	—	—	—	—	—
United Kingdom	399	—	—	73	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1,046	—	0	107	—	13	13	—	247	247
<b>Total</b>	<b>47,555</b>	—	<b>29</b>	<b>12,072</b>	—	<b>405</b>	<b>405</b>	—	<b>1,371</b>	<b>1,371</b>
<b>Persian Gulf<sup>3</sup></b>	<b>5,320</b>	—	—	—	—	—	—	—	<b>234</b>	<b>234</b>

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2020**  
(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)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	-	-	-	9	-	-	-	9
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	9	-	-	-	9
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	-	-	-	0	-	-	-	0
<b>Total</b>	--	--	-	-	-	-	9	-	-	-	9
<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, October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	64	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	64	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	-	508	338	2,065	1,424	3,827
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	80	-	-	6	6
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	280	-	280
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	30	-	30
Korea, South .....	-	-	-	-	387	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	338	-	613	951
Netherlands .....	-	-	-	-	-	-	27	278	305
Norway .....	-	-	-	-	-	-	-	126	126
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	1,728	301	2,029
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	41	0	0	100	100
<b>Total</b> .....	-	-	-	-	572	338	2,065	1,424	3,827
<b>Persian Gulf<sup>6</sup></b> .....	-	-	-	-	64	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2020**  
(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>	—	—	—	—	—	119	—	497	6,767	202	16	218
Algeria	—	—	—	—	—	—	—	80	80	—	3	3
Angola	—	—	—	—	—	—	—	—	950	31	—	31
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	234	234	—	8	8
Iraq	—	—	—	—	—	—	—	—	959	31	—	31
Kuwait	—	—	—	—	—	—	—	—	774	25	—	25
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	64	3,651	116	2	118
United Arab Emirates	—	—	—	—	—	119	—	119	119	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	288	51	28	259	—	1,217	—	19,750	61,035	1,332	637	1,969
Argentina	—	15	—	102	—	1	—	166	636	15	5	21
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	75	—	75	75	—	2	2
Belgium	—	—	—	—	—	8	—	8	8	—	0	0
Brazil	—	—	—	157	—	—	—	195	2,173	64	6	70
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	6	—	213	17,865	569	7	576
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	4,583	148	—	148
Denmark	—	—	—	—	—	—	—	149	149	—	5	5
Ecuador	—	—	—	—	—	—	—	357	357	—	12	12
Egypt	—	—	—	—	—	—	—	334	334	—	11	11
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	36	—	—	—	2	—	318	318	—	10	10
Germany	—	—	—	—	—	7	—	47	47	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	171	—	171	171	—	6	6
Italy	—	—	—	—	—	5	—	371	371	—	12	12
Korea, South	—	—	—	—	—	383	—	770	770	—	25	25
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	8	—	—	—	—	8	8	—	0	0
Mexico	119	—	—	—	—	—	—	2,151	14,486	398	69	467
Netherlands	—	—	—	—	—	20	—	379	379	—	12	12
Norway	—	—	—	—	—	—	—	642	642	—	21	21
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	22	—	51	51	—	2	2
Qatar	—	—	—	—	—	517	—	517	517	—	17	17
Russia	—	—	—	—	—	—	—	11,753	13,510	57	379	436
Spain	—	—	—	—	—	—	—	305	305	—	10	10
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,065	34	—	34
United Kingdom	9	—	20	—	—	—	—	102	501	13	3	16
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	160	0	0	0	—	0	—	668	1,714	34	21	54
<b>Total</b>	288	51	28	259	—	1,336	—	20,247	67,802	1,534	653	2,187
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	711	—	1,009	6,329	172	33	204

— = Not Applicable.

7 = No Data Reported.

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

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

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

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

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



**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2020**  
(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
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	7,769	371	-	-	-	-	-	-	33	33
Canada .....	7,769	371	-	-	-	-	-	-	33	33
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	-	-	-	0	0
Total .....	7,769	371	-	-	-	-	-	-	33	33
	PAD District 5									
OPEC .....	10,082	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	951	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	1,900	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	2,778	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	4,455	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	948	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	17,638	1,386	-	1,901	-	299	299	-	300	300
Argentina .....	368	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	984	-	-	-	-	-	-	-	-	-
Canada .....	7,396	1,386	-	21	-	299	299	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,494	-	-	-	-	-	-	-	-	-
Ecuador .....	4,772	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	150	150
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	1,248	-	-	775	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	666	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	710	0	-	1,105	-	0	0	-	150	150
Total .....	27,720	1,415	-	1,901	-	299	299	-	300	300
Persian Gulf <sup>3</sup> .....	8,181	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2020**  
(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)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	75	-	-	87	-	1	-	88
Canada	--	--	-	75	-	-	87	-	1	-	88
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	0	-	0
<b>Total</b>	--	--	-	75	-	-	87	-	1	-	88
<b>PAD District 5</b>											
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	499	77	617	-	246	308	-	-	554
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	499	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	8	-	-	246	-	-	-	246
China	--	--	-	-	-	-	-	308	-	-	308
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	69	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	617	-	0	0	-	-	0
<b>Total</b>	--	--	499	77	617	-	246	308	-	-	554
<b>Persian Gulf<sup>3</sup></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, October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	1	-	-	-	-	-	-	-
Canada .....	-	1	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	-	-	-	-	-
Total .....	-	1	-	-	-	-	-	-	-
	PAD District 5								
OPEC .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	2	-	2,598	-	-	78	113	191
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Canada .....	-	2	-	23	-	-	78	113	191
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	2,575	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	-	-	0	0	0
Total .....	-	2	-	2,598	-	-	78	113	191
Persian Gulf <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, October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	18	-	1	587	8,356	251	19	270
Canada	-	-	-	-	18	-	1	587	8,356	251	19	270
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	18	-	1	587	8,356	251	19	270
	PAD District 5											
OPEC	-	-	-	-	-	-	-	29	10,111	325	1	326
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	951	31	-	31
Congo (Brazzaville)	-	-	-	-	-	-	-	-	1,900	62	-	62
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	2,778	90	-	90
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	4,455	144	-	144
United Arab Emirates	-	-	-	-	-	-	-	-	948	31	-	31
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	36	-	12	28	-	8,500	26,138	569	274	843
Argentina	-	-	-	-	-	-	-	-	368	12	-	12
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	499	499	-	16	16
Brunei	-	-	-	-	-	-	-	-	984	32	-	32
Canada	-	-	-	-	12	5	-	2,193	9,589	239	71	309
China	-	-	-	-	-	-	-	308	308	-	10	10
Colombia	-	-	-	-	-	-	-	-	1,494	48	-	48
Ecuador	-	-	-	-	-	-	-	-	4,772	154	-	154
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	28	-	-	-	-	28	28	-	1	1
Korea, South	-	-	-	-	-	23	-	2,817	2,817	-	91	91
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	775	2,023	40	25	65
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	617	617	-	20	20
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	8	-	-	-	-	8	8	-	0	0
United Kingdom	-	-	-	-	-	-	-	-	666	21	-	21
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	-	0	0	-	1,255	1,965	23	40	64
Total	-	-	36	-	12	28	-	8,529	36,249	894	275	1,169
Persian Gulf <sup>3</sup>	-	-	-	-	-	-	-	-	8,181	264	-	264

-- = Not Applicable.

- = 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-October 2020**  
(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		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>37,054</b>	<b>672</b>	<b>-</b>	<b>1,875</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>5,707</b>	<b>6,031</b>
Algeria .....	-	-	-	796	-	-	-	-	1,524	1,524
Angola .....	1,980	-	-	-	-	-	-	-	812	812
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	523	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	877	877
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	2	-	-	-	-	-	-
Nigeria .....	16,322	-	-	615	-	-	-	-	886	886
Saudi Arabia .....	18,752	-	-	-	-	920	920	324	1,021	1,345
United Arab Emirates .....	-	-	-	462	-	-	-	-	587	587
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>96,842</b>	<b>7,745</b>	<b>2,380</b>	<b>19,265</b>	<b>-</b>	<b>26,944</b>	<b>26,944</b>	<b>49,712</b>	<b>67,050</b>	<b>116,762</b>
Argentina .....	2,626	-	-	-	-	39	39	-	54	54
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	248	248
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	105	-	587	587	1,615	1,941	3,556
Brazil .....	506	-	-	-	-	2,824	2,824	30	4,148	4,178
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	5,848	-	-	-	-	-	-	-	-	-
Canada .....	47,260	6,717	2,380	130	-	3,717	3,717	29,684	7,442	37,126
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,497	-	-	336	-	108	108	-	1,149	1,149
Denmark .....	-	-	-	-	-	6	6	18	25	43
Ecuador .....	-	-	-	181	-	-	-	-	-	-
Egypt .....	1,019	-	-	-	-	250	250	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	169	-	-	-	63	3,090	3,153
France .....	-	-	-	-	-	3,306	3,306	1,968	35	2,003
Germany .....	-	-	-	282	-	67	67	73	548	621
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	60	-	333	333	60	13,993	14,053
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	284	-	105	105	278	3,130	3,408
Korea, South .....	-	-	-	-	-	-	-	273	350	623
Latvia .....	-	-	-	-	-	59	59	-	34	34
Lithuania .....	-	-	-	-	-	104	104	-	660	660
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	8,235	-	-	5,845	-	-	-	506	-	506
Netherlands .....	-	-	-	-	-	3,015	3,015	6,034	7,196	13,230
Norway .....	2,904	794	-	-	-	265	265	331	2,282	2,613
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	425	-	5,196	5,196	980	1,037	2,017
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	14,033	-	-	7,505	-	1,885	1,885	507	6,979	7,486
Spain .....	-	-	-	846	-	2,659	2,659	217	3,835	4,052
Sweden .....	-	-	-	1,062	-	658	658	31	832	863
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	1,516	-	-	-	-	-	-	-	-	-
United Kingdom .....	3,063	-	-	1,622	-	862	862	7,044	4,599	11,643
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	8,335	234	0	413	-	899	899	0	3,443	3,443
<b>Total</b> .....	<b>133,896</b>	<b>8,417</b>	<b>2,380</b>	<b>21,140</b>	<b>-</b>	<b>27,864</b>	<b>27,864</b>	<b>50,036</b>	<b>72,757</b>	<b>122,793</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>18,752</b>	<b>149</b>	<b>-</b>	<b>462</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>2,485</b>	<b>2,809</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-October 2020**  
(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>	--	--	-	-	-	-	1,427	-	-	-	1,427
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	325	-	-	-	325
Saudi Arabia	--	--	-	-	-	-	327	-	-	-	327
United Arab Emirates	--	--	-	-	-	-	775	-	-	-	775
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	1,634	-	-	44,111	1,109	263	-	45,483
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	301	-	-	-	301
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	387	-	-	-	387
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	844	-	-	30,053	328	-	-	30,381
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	6,167	-	-	-	6,167
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	769	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,132	781	-	-	1,913
Indonesia	--	--	-	-	-	-	500	-	-	-	500
Italy	--	--	-	-	-	-	446	-	-	-	446
Korea, South	--	--	-	21	-	-	1,018	-	-	-	1,018
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	876	-	-	-	876
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	393	-	263	-	656
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	936	-	-	-	936
Russia	--	--	-	-	-	-	1,262	-	-	-	1,262
Spain	--	--	-	-	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	0	-	0
<b>Total</b>	--	--	-	1,634	-	-	45,538	1,109	263	-	46,910
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	2,038	-	-	-	2,038

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-October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	3,473	—	11	266	—	277
Algeria .....	—	—	—	295	—	11	210	—	221
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	4	—	4
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	42	—	—	—	—	—
Kuwait .....	—	—	—	1,692	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	52	—	52
Saudi Arabia .....	—	—	—	840	—	—	—	—	—
United Arab Emirates .....	—	—	—	604	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	303	38	—	10,775	14	1,094	6,617	6,540	14,251
Argentina .....	—	—	—	—	—	314	294	—	608
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	174	459	633
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	104	—	104
Brazil .....	—	—	—	—	—	35	124	37	196
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	10	—	2,066	14	683	446	2,586	3,715
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	336	—	6	33	607	646
Denmark .....	—	—	—	—	—	—	833	—	833
Ecuador .....	—	—	—	15	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	55	—	55
Finland .....	—	—	—	—	—	—	149	—	149
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	139	70	209
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	2,699	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	529	—	—	36	—	36
Korea, South .....	—	—	—	2,767	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	83	83
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	79	—	35	215	1,420	1,670
Netherlands .....	—	28	—	—	—	—	1,149	773	1,922
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	495	—	495
Qatar .....	—	—	—	992	—	—	—	—	—
Russia .....	—	—	—	—	—	18	220	153	391
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	1,114	—	1,114
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	100	—	—	—	—	—
United Kingdom .....	—	—	—	607	—	—	692	—	692
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	303	0	—	585	0	3	345	352	700
<b>Total</b> .....	303	38	—	14,248	14	1,105	6,883	6,540	14,528
<b>Persian Gulf<sup>§</sup></b> .....	—	—	—	4,170	—	—	—	—	—

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-October 2020**  
(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>	—	—	—	—	—	145	—	14,820	51,874	121	49	170
Algeria	—	—	—	—	—	—	—	2,836	2,836	—	9	9
Angola	—	—	—	—	—	—	—	812	2,792	6	3	9
Congo (Brazzaville)	—	—	—	—	—	—	—	4	4	—	0	0
Equatorial Guinea	—	—	—	—	—	—	—	523	523	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	877	877	—	3	3
Iraq	—	—	—	—	—	—	—	42	42	—	0	0
Kuwait	—	—	—	—	—	—	—	1,692	1,692	—	6	6
Libya	—	—	—	—	—	—	—	2	2	—	0	0
Nigeria	—	—	—	—	—	—	—	1,878	18,200	54	6	60
Saudi Arabia	—	—	—	—	—	—	—	3,432	22,184	61	11	73
United Arab Emirates	—	—	—	—	—	145	—	2,722	2,722	—	9	9
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	870	7	717	29	8,527	1,090	—	256,834	353,676	318	842	1,160
Argentina	—	—	—	—	—	1	—	702	3,328	9	2	11
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,182	1,182	—	4	4
Bahrain	—	—	—	—	—	23	—	23	23	—	0	0
Belgium	8	—	—	—	—	80	—	4,827	4,827	—	16	16
Brazil	—	—	—	1	—	—	—	7,199	7,705	2	24	25
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	5,848	19	—	19
Canada	—	7	511	2	6,758	703	—	95,081	142,341	155	312	467
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	77	—	—	—	—	77	77	—	0	0
Colombia	—	—	—	—	330	—	—	9,072	10,569	5	30	35
Denmark	—	—	—	—	—	—	—	882	882	—	3	3
Ecuador	—	—	—	—	—	—	—	196	196	—	1	1
Egypt	—	—	20	—	—	—	—	270	1,289	3	1	4
Estonia	—	—	—	—	—	—	—	55	55	—	0	0
Finland	—	—	—	—	—	—	—	3,471	3,471	—	11	11
France	3	—	—	—	—	48	—	5,360	5,360	—	18	18
Germany	—	—	15	—	—	90	—	2,053	2,053	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	19,058	19,058	—	62	62
Indonesia	—	—	—	—	—	—	—	500	500	—	2	2
Italy	—	—	—	—	141	13	—	4,962	4,962	—	16	16
Korea, South	—	—	8	—	—	91	—	4,528	4,528	—	15	15
Latvia	—	—	—	—	—	—	—	93	93	—	0	0
Lithuania	—	—	—	—	—	—	—	847	847	—	3	3
Malaysia	—	—	1	—	—	1	—	878	878	—	3	3
Mexico	—	—	—	—	—	—	—	8,100	16,335	27	27	54
Netherlands	846	—	—	—	—	8	—	19,705	19,705	—	65	65
Norway	1	—	—	—	—	—	—	3,673	6,577	10	12	22
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	8,133	8,133	—	27	27
Qatar	—	—	—	—	—	—	—	1,928	1,928	—	6	6
Russia	—	—	—	—	—	28	—	18,557	32,590	46	61	107
Spain	—	—	10	—	422	—	—	8,629	8,629	—	28	28
Sweden	—	—	—	23	—	2	—	3,722	3,722	—	12	12
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	100	1,616	5	0	5
United Kingdom	12	—	—	—	—	—	—	15,672	18,735	10	51	61
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	75	3	876	2	—	7,299	15,634	27	23	51
<b>Total</b>	<b>870</b>	<b>7</b>	<b>717</b>	<b>29</b>	<b>8,527</b>	<b>1,235</b>	<b>—</b>	<b>271,654</b>	<b>405,550</b>	<b>439</b>	<b>891</b>	<b>1,330</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>168</b>	<b>—</b>	<b>10,716</b>	<b>29,468</b>	<b>61</b>	<b>35</b>	<b>97</b>

— = Not Applicable.

1 = No Data Reported.

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

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

4 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-October 2020**  
(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) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>728,969</b>	<b>16,232</b>	<b>2,031</b>	<b>168</b>	<b>-</b>	<b>37</b>	<b>37</b>	<b>-</b>	<b>2,110</b>	<b>2,110</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	727,992	16,232	2,031	168	-	37	37	-	2,110	2,110
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	500	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	477	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
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	-	0	0
<b>Total</b> .....	<b>728,969</b>	<b>16,232</b>	<b>2,031</b>	<b>168</b>	<b>-</b>	<b>37</b>	<b>37</b>	<b>-</b>	<b>2,110</b>	<b>2,110</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</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 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2020**  
(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)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	1,002	-	-	1,948	-	125	-	2,073
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	1,002	-	-	1,864	-	125	-	1,989
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	84	-	0	-	84
<b>Total</b>	--	--	-	1,002	-	-	1,948	-	125	-	2,073
<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-October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	36	-	-	63	-	402	439	841
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	36	-	-	63	-	402	439	841
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
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> .....	-	36	-	-	63	-	402	439	841
<b>Persian Gulf<sup>6</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-October 2020**  
(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)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>832</b>	<b>697</b>	<b>132</b>	<b>239</b>	<b>4,327</b>	<b>1,302</b>	<b>—</b>	<b>32,122</b>	<b>761,091</b>	<b>2,390</b>	<b>105</b>	<b>2,495</b>
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	2	—	2	2	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	832	697	100	235	4,327	1,282	—	31,982	759,974	2,387	105	2,492
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	18	—	—	—	—	18	18	—	0	0
Colombia	—	—	—	—	—	—	—	—	500	2	—	2
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	12	—	12	12	—	0	0
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	1	—	2	—	3	3	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	477	2	—	2
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	3	—	3	—	6	6	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	14	0	0	1	—	99	99	-1	0	-1
<b>Total</b>	<b>832</b>	<b>697</b>	<b>132</b>	<b>239</b>	<b>4,327</b>	<b>1,302</b>	<b>—</b>	<b>32,122</b>	<b>761,091</b>	<b>2,390</b>	<b>105</b>	<b>2,495</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

— = Not Applicable.

— = 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-October 2020**  
(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>123,982</b>	<b>-</b>	<b>-</b>	<b>2,106</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>234</b>	<b>234</b>
Algeria	-	-	-	182	-	-	-	-	-	-
Angola	950	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	234	234
Iraq	16,618	-	-	-	-	-	-	-	-	-
Kuwait	3,413	-	-	717	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	103,001	-	-	1,206	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>435,250</b>	<b>35</b>	<b>160</b>	<b>133,405</b>	<b>-</b>	<b>594</b>	<b>594</b>	<b>-</b>	<b>13,197</b>	<b>13,197</b>
Argentina	1,896	-	-	11	-	99	99	-	258	258
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,116	-	-	-	-	221	221
Brazil	12,554	-	-	23	-	23	23	-	2,564	2,564
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	622	-	-	-	-	-	-	-	-	-
Canada	145,173	-	-	907	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	63,055	-	-	1,500	-	-	-	-	-	-
Denmark	-	-	-	152	-	-	-	-	-	-
Ecuador	6,133	-	-	3,514	-	-	-	-	-	-
Egypt	-	-	-	4,875	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	52	-	14	14	-	792	792
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	302	-	-	-	-	95	95
Guatemala	1,113	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	2,978	2,978
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	1,778	-	-	-	-	1,596	1,596
Korea, South	-	-	-	-	-	-	-	-	309	309
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	324	324
Malaysia	-	-	-	996	-	-	-	-	-	-
Mexico	185,136	-	160	3,940	-	-	-	-	1,110	1,110
Netherlands	-	-	-	1,356	-	54	54	-	193	193
Norway	-	-	-	1,116	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	117	117
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	4,157	-	-	104,582	-	55	55	-	554	554
Spain	-	-	-	234	-	305	305	-	600	600
Sweden	-	-	-	786	-	-	-	-	255	255
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	7,028	-	-	-	-	-	-	-	-	-
United Kingdom	3,010	-	-	1,141	-	-	-	-	105	105
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	4,020	35	0	3,024	-	44	44	-	1,126	1,126
<b>Total</b>	<b>559,232</b>	<b>35</b>	<b>160</b>	<b>135,511</b>	<b>-</b>	<b>594</b>	<b>594</b>	<b>-</b>	<b>13,431</b>	<b>13,431</b>
<b>Persian Gulf<sup>3</sup></b>	<b>123,032</b>	<b>-</b>	<b>-</b>	<b>1,923</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>234</b>	<b>234</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-October 2020**  
(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) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	-	273	-	-	47	-	-	-	47
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	-	-	-	-	-
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	-	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	-	-	-	45	-	-	-	45
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	-	-	-	-
Colombia .....	--	--	-	-	-	-	-	-	-	-	-
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	71	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Italy .....	--	--	-	-	-	-	-	-	-	-	-
Korea, South .....	--	--	-	-	-	-	-	-	-	-	-
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	-	-	-	-	-
Mexico .....	--	--	-	-	-	-	2	-	-	-	2
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
Norway .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Portugal .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Russia .....	--	--	-	-	-	-	-	-	-	-	-
Spain .....	--	--	-	199	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Syria .....	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Yemen .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	-	3	-	-	0	-	-	-	0
<b>Total</b> .....	--	--	-	273	-	-	47	-	-	-	47
<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-October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	50	320	—	16	979	995
Algeria	—	—	—	—	—	—	16	15	31
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	50	320	—	—	655	655
United Arab Emirates	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	127	—	2,461	3,784	912	5,033	26,628	32,573
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	950
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	2	411	413
Brazil	—	—	—	—	385	—	1,036	717	1,753
Brunei	—	—	—	314	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	471	—	—	401	401
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	17	4	21
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	2,547	2,547
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	34	—	280	—	280
Germany	—	—	—	—	58	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	465	140	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	215	—	—	30	48	78
Korea, South	—	—	—	1,288	1,996	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	348	348
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	67	912	6	11,830	12,748
Netherlands	—	127	—	—	4	—	27	476	503
Norway	—	—	—	—	—	—	—	126	126
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	80	—	—	3,140	7,339	10,479
Spain	—	—	—	—	26	—	—	118	118
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	29	—	—	94	94
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	99	574	0	495	1,143	1,638
<b>Total</b>	—	127	—	2,511	4,104	912	5,049	27,607	33,568
<b>Persian Gulf<sup>6</sup></b>	—	—	—	50	320	—	—	964	964

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-October 2020**  
(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>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>1,031</b>	<b>—</b>	<b>4,816</b>	<b>128,798</b>	<b>406</b>	<b>16</b>	<b>422</b>
Algeria	—	—	—	—	—	—	—	213	213	—	1	1
Angola	—	—	—	—	—	—	—	—	950	3	—	3
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	234	234	—	1	1
Iraq	—	—	—	—	—	—	—	—	16,618	54	—	54
Kuwait	—	—	—	—	—	—	—	717	4,130	11	2	14
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	77	—	3	—	—	36	—	2,347	105,348	338	8	345
United Arab Emirates	—	—	—	—	—	995	—	1,304	1,304	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>2,918</b>	<b>332</b>	<b>298</b>	<b>2,618</b>	<b>122</b>	<b>7,170</b>	<b>—</b>	<b>200,187</b>	<b>635,437</b>	<b>1,427</b>	<b>656</b>	<b>2,083</b>
Argentina	—	113	—	1,455	—	12	—	1,948	3,844	6	6	13
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	1,957	3	3	6
Bahrain	—	—	—	—	—	339	—	339	339	—	1	1
Belgium	—	—	—	—	—	73	—	3,824	3,824	—	13	13
Brazil	—	26	—	597	—	—	—	5,406	17,960	41	18	59
Brunei	—	—	—	—	—	—	—	314	314	—	1	1
Cameroon	—	—	—	—	—	—	—	—	622	2	—	2
Canada	—	—	—	—	57	23	—	1,904	147,077	476	6	482
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	41	—	—	—	—	41	41	—	0	0
Colombia	—	—	—	—	—	—	—	1,521	64,576	207	5	212
Denmark	—	—	—	—	—	—	—	152	152	—	0	0
Ecuador	—	—	—	—	—	—	—	3,514	9,647	20	12	32
Egypt	—	—	—	—	—	—	—	7,422	7,422	—	24	24
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	8	—	866	866	—	3	3
France	—	193	10	—	—	23	—	540	540	—	2	2
Germany	—	—	—	228	—	26	—	780	780	—	3	3
Guatemala	—	—	—	—	—	—	—	—	1,113	4	—	4
India	—	—	—	—	—	—	—	3,583	3,583	—	12	12
Indonesia	—	—	—	—	—	901	—	901	901	—	3	3
Italy	—	—	48	—	—	158	—	3,873	4,219	1	13	14
Korea, South	126	—	—	—	—	2,475	—	6,194	6,194	—	20	20
Latvia	—	—	—	—	—	—	—	76	76	—	0	0
Lithuania	—	—	—	—	—	—	—	672	672	—	2	2
Malaysia	—	—	37	—	—	—	—	1,033	1,033	—	3	3
Mexico	1,763	—	—	—	—	—	—	19,790	204,926	607	65	672
Netherlands	—	—	—	130	—	396	—	2,819	2,819	—	9	9
Norway	—	—	—	—	—	—	—	1,242	1,242	—	4	4
Oman	—	—	—	200	—	—	—	200	200	—	1	1
Portugal	—	—	—	—	—	41	—	158	158	—	1	1
Qatar	—	—	—	—	—	2,541	—	2,541	2,541	—	8	8
Russia	—	—	—	—	—	—	—	115,750	119,907	14	380	393
Spain	—	—	—	—	—	38	—	1,520	1,520	—	5	5
Sweden	—	—	—	—	—	—	—	1,041	1,041	—	3	3
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	7,028	23	—	23
United Kingdom	71	—	97	8	—	113	—	1,658	4,668	10	5	15
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	958	0	65	0	65	3	—	7,615	11,635	13	25	38
<b>Total</b>	<b>2,995</b>	<b>332</b>	<b>301</b>	<b>2,618</b>	<b>122</b>	<b>8,201</b>	<b>—</b>	<b>205,003</b>	<b>764,235</b>	<b>1,834</b>	<b>672</b>	<b>2,506</b>
<b>Persian Gulf<sup>6</sup></b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>3,911</b>	<b>—</b>	<b>7,482</b>	<b>130,514</b>	<b>403</b>	<b>25</b>	<b>428</b>

— = Not Applicable.

— = 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-October 2020**  
(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		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	91,819	3,391	-	-	-	26	26	-	768	768
Canada .....	91,819	3,391	-	-	-	26	26	-	768	768
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	0	0	-	0	0
Total .....	91,819	3,391	-	-	-	26	26	-	768	768
	PAD District 5									
OPEC .....	110,054	-	-	14	-	-	-	-	-	-
Algeria .....	-	-	-	13	-	-	-	-	-	-
Angola .....	5,746	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	3,796	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	42,198	-	-	-	-	-	-	-	-	-
Kuwait .....	3,413	-	-	-	-	-	-	-	-	-
Libya .....	3,115	-	-	-	-	-	-	-	-	-
Nigeria .....	2,865	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	48,873	-	-	1	-	-	-	-	-	-
United Arab Emirates .....	1,946	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	182,639	12,337	61	13,634	-	5,395	5,395	1,120	5,153	6,273
Argentina .....	7,526	-	-	87	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	6,894	-	-	-	-	57	57	-	59	59
Brunei .....	5,429	-	-	-	-	-	-	-	-	-
Canada .....	74,080	12,170	61	205	-	1,306	1,306	-	124	124
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	15,252	-	-	930	-	-	-	-	-	-
Ecuador .....	44,876	-	-	170	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	55	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	286	-	-	-	-	604	604
Korea, South .....	-	-	-	-	-	1,579	1,579	318	1,904	2,222
Malaysia .....	-	-	-	669	-	-	-	-	32	32
Mexico .....	9,501	-	-	1,858	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	675	675	639	-	639
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	1,981	-	-	172	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	142	-	315	315	-	-	-
Sweden .....	-	-	-	-	-	65	65	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	363	363
United Kingdom .....	1,468	-	-	-	-	215	215	-	563	563
Vietnam .....	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	15,018	167	0	9,060	-	1,183	1,183	163	1,504	1,667
Total .....	292,693	12,714	61	13,648	-	5,395	5,395	1,120	5,153	6,273
Persian Gulf <sup>3</sup> .....	96,430	-	-	1	-	-	-	-	-	-

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-October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	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
	PAD District 4										
OPEC .....	--	--	-	-	-	-	-	-	-	-	-
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC .....	--	--	-	418	-	-	1,441	-	1	-	1,442
Canada .....	--	--	-	418	-	-	1,441	-	1	-	1,442
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	-	0	-	-	0	-	0	-	0
Total .....	--	--	-	418	-	-	1,441	-	1	-	1,442
	PAD District 5										
OPEC .....	--	--	-	-	-	-	-	-	-	-	-
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC .....	--	--	2,726	536	5,139	-	4,910	308	7	-	5,225
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	2,726	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	52	-	-	4,087	-	7	-	4,094
China .....	--	--	-	-	-	-	-	308	-	-	308
Colombia .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Japan .....	--	--	-	-	-	-	190	-	-	-	190
Korea, South .....	--	--	-	484	-	-	633	-	-	-	633
Malaysia .....	--	--	-	-	-	-	-	-	-	-	-
Mexico .....	--	--	-	-	-	-	-	-	-	-	-
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Peru .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Singapore .....	--	--	-	-	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Taiwan .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	0	0	5,139	-	0	0	0	-	0
Total .....	--	--	2,726	536	5,139	-	4,910	308	7	-	5,225
Persian Gulf <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-October 2020**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	-	-	-	49	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	3	-	115	-	-	-	-	-
Canada .....	-	3	-	110	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	5	-	-	-	-	-
Total .....	-	3	-	164	-	-	-	-	-
	PAD District 5								
OPEC .....	-	-	-	-	-	-	-	3	3
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	3	3
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	40	14	-	29,190	-	-	808	2,525	3,333
Argentina .....	-	-	-	125	-	-	223	-	223
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	1,077	-	-	-	-	-
Canada .....	20	14	-	230	-	-	585	981	1,566
China .....	-	-	-	312	-	-	-	1	1
Colombia .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	763	763
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	5,015	-	-	-	-	-
Korea, South .....	20	-	-	19,424	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	1,624	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	1,383	-	-	0	780	780
Total .....	40	14	-	29,190	-	-	808	2,528	3,336
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	-	-	3	3

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Waxes	Petroleum Coke	Asphalt and Road Oil
	PAD District 4											
OPEC .....	—	—	—	—	—	—	—	49	49	—	0	0
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	273	—	10	6,446	98,265	301	21	322
Canada .....	—	—	—	—	273	—	10	6,441	98,260	301	21	322
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	0	—	0	5	5	0	0	0
Total .....	—	—	—	—	273	—	10	6,495	98,314	301	21	322
	PAD District 5											
OPEC .....	—	—	—	—	—	—	—	394	110,448	361	1	362
Algeria .....	—	—	—	—	—	—	—	13	13	—	0	0
Angola .....	—	—	—	—	—	—	—	—	5,746	19	—	19
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	3,796	12	—	12
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	42,198	138	—	138
Kuwait .....	—	—	—	—	—	—	—	—	3,413	11	—	11
Libya .....	—	—	—	—	—	—	—	—	3,115	10	—	10
Nigeria .....	—	—	—	—	—	—	—	—	2,865	9	—	9
Saudi Arabia .....	—	—	—	—	—	—	—	4	48,877	160	0	160
United Arab Emirates .....	—	—	—	—	—	—	—	56	2,002	6	0	7
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	242	—	284	119	667	195	—	85,410	268,049	599	280	879
Argentina .....	—	—	—	—	—	—	—	435	7,961	25	1	26
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	2,842	9,736	23	9	32
Brunei .....	—	—	—	—	—	—	—	1,077	6,506	18	4	21
Canada .....	—	—	—	119	667	58	—	20,686	94,766	243	68	311
China .....	—	—	138	—	—	—	—	759	759	—	2	2
Colombia .....	—	—	—	—	—	—	—	930	16,182	50	3	53
Ecuador .....	—	—	—	—	—	—	—	933	45,809	147	3	150
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	55	55	—	0	0
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	52	—	—	—	—	6,147	6,147	—	20	20
Korea, South .....	—	—	—	—	—	91	—	24,453	24,453	—	80	80
Malaysia .....	—	—	1	—	—	—	—	702	702	—	2	2
Mexico .....	—	—	—	—	—	—	—	1,858	11,359	31	6	37
Netherlands .....	73	—	—	—	—	—	—	1,387	1,387	—	5	5
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	172	2,153	6	1	7
Qatar .....	—	—	—	—	—	46	—	46	46	—	0	0
Singapore .....	—	—	—	—	—	—	—	7,220	7,220	—	24	24
Sweden .....	—	—	—	—	—	—	—	65	65	—	0	0
Taiwan .....	169	—	93	—	—	—	—	625	625	—	2	2
United Kingdom .....	—	—	—	—	—	—	—	778	2,246	5	3	7
Vietnam .....	—	—	—	—	—	—	—	—	614	2	—	2
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	0	0	0	0	—	14,240	29,258	49	47	98
Total .....	242	—	284	119	667	195	—	85,804	378,497	960	281	1,241
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	46	—	106	96,536	316	0	317

-- = Not Applicable.

- = 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, October 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	—	4,888	83,970	—	2,112	90,970	2,935
<b>Hydrocarbon Gas Liquids</b> .....	9,393	7,793	51,751	81	1,821	70,838	2,285
Natural Gas Liquids .....	9,393	7,793	51,751	81	1,821	70,838	2,285
Ethane .....	2,208	2,783	4,786	0	0	9,778	315
Propane .....	6,472	117	34,951	1	1,094	42,635	1,375
Normal Butane .....	689	152	11,429	6	717	12,993	419
Isobutane .....	1	2	504	—	1	507	16
Natural Gasoline .....	24	4,739	82	73	8	4,925	159
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Normal Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	138	1,355	12,313	45	329	14,180	457
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	104	794	1,967	45	227	3,137	101
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
Other Oxygenates .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	104	794	1,967	45	227	3,137	101
Fuel Ethanol .....	103	725	1,944	45	209	3,024	98
Biodiesel .....	2	70	23	—	18	113	4
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	32	508	8,701	0	3	9,244	298
Naphthas and Lighter .....	11	506	8,458	0	1	8,975	290
Kerosene and Light Gas Oils .....	21	3	243	0	2	269	9
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	2	53	1,645	—	99	1,799	58
Reformulated .....	1	—	2	—	1	4	0
Conventional .....	2	53	1,643	—	98	1,795	58
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	2,892	1,554	71,835	69	6,693	83,043	2,679
Finished Motor Gasoline .....	304	268	23,578	0	1,398	25,548	824
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	304	268	23,578	0	1,398	25,548	824
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	4	17	1,027	—	179	1,227	40
Kerosene .....	120	1	331	—	57	508	16
Distillate Fuel Oil .....	14	232	31,254	—	1,919	33,419	1,078
15 ppm sulfur and under .....	13	0	28,511	—	1,052	29,577	954
Greater than 15 ppm to 500 ppm sulfur .....	1	11	948	—	332	1,292	42
Greater than 500 ppm sulfur .....	—	221	1,795	—	535	2,551	82
Residual Fuel Oil .....	746	122	1,943	54	245	3,109	100
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	170	205	2,618	9	368	3,370	109
Waxes .....	74	29	31	0	4	138	4
Petroleum Coke .....	1,328	402	10,275	—	2,498	14,504	468
Asphalt and Road Oil .....	119	274	759	5	26	1,184	38
Miscellaneous Products .....	13	2	20	—	0	35	1
<b>Total</b> .....	12,423	15,589	219,870	194	10,955	259,031	8,356

— = Not Applicable.

— = 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-October 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>8,864</b>	<b>49,109</b>	<b>903,082</b>	<b>214</b>	<b>14,610</b>	<b>975,879</b>	<b>3,200</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>80,983</b>	<b>92,125</b>	<b>442,879</b>	<b>959</b>	<b>15,852</b>	<b>632,798</b>	<b>2,075</b>
Natural Gas Liquids .....	80,983	92,125	442,879	959	15,852	632,798	2,075
Ethane .....	17,113	28,683	40,849	0	1	86,646	284
Propane .....	46,377	1,847	316,503	4	10,041	373,699	1,225
Normal Butane .....	16,551	2,048	84,872	434	5,728	109,275	358
Isobutane .....	7	10	1,315	—	6	1,334	4
Natural Gasoline .....	988	59,551	654	522	128	61,844	203
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Normal Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>2,187</b>	<b>21,494</b>	<b>100,078</b>	<b>346</b>	<b>6,191</b>	<b>130,297</b>	<b>427</b>
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	1,293	7,412	18,518	344	2,254	29,821	98
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
Other Oxygenates .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	1,293	7,412	18,518	344	2,254	29,821	98
Fuel Ethanol .....	1,105	5,468	18,071	264	1,671	26,579	87
Biodiesel .....	188	1,945	447	80	583	3,242	11
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	354	12,974	66,171	2	2,040	81,541	267
Naphthas and Lighter .....	175	12,931	64,387	0	1,903	79,396	260
Kerosene and Light Gas Oils .....	179	42	1,785	2	137	2,145	7
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	540	1,108	15,389	0	1,898	18,935	62
Reformulated .....	14	1	539	—	18	572	2
Conventional .....	527	1,107	14,850	0	1,879	18,363	60
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>27,296</b>	<b>11,380</b>	<b>739,440</b>	<b>248</b>	<b>85,085</b>	<b>863,450</b>	<b>2,831</b>
Finished Motor Gasoline .....	1,933	2,153	193,432	8	15,435	212,961	698
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	1,933	2,153	193,432	8	15,435	212,961	698
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	1,788	819	23,018	—	4,067	29,693	97
Kerosene .....	274	9	911	—	275	1,469	5
Distillate Fuel Oil .....	9,175	1,447	334,764	0	27,108	372,494	1,221
15 ppm sulfur and under .....	5,835	8	285,610	0	21,384	312,838	1,026
Greater than 15 ppm to 500 ppm sulfur .....	2,661	149	26,436	—	2,017	31,263	103
Greater than 500 ppm sulfur .....	679	1,290	22,718	—	3,706	28,393	93
Residual Fuel Oil .....	3,567	1,701	34,211	108	5,833	45,421	149
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	1,776	1,822	21,893	93	3,453	29,037	95
Waxes .....	655	270	352	2	47	1,327	4
Petroleum Coke .....	7,270	2,081	125,174	1	28,467	162,992	534
Asphalt and Road Oil .....	715	1,046	5,453	35	399	7,648	25
Miscellaneous Products .....	142	31	231	1	2	408	1
<b>Total</b> .....	<b>119,331</b>	<b>174,109</b>	<b>2,185,479</b>	<b>1,767</b>	<b>121,738</b>	<b>2,602,424</b>	<b>8,533</b>

— = Not Applicable.

— = 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, October 2020**  
(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 .....	—	—	—	12	—	28	28	—	—	—
Australia .....	—	556	—	6	—	—	—	—	0	0
Bahamas .....	—	30	—	—	—	235	235	0	0	0
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	541	—	1	—	—	—	—	—	—
Belize .....	—	0	—	—	—	35	35	—	—	—
Brazil .....	1,530	2,946	—	2,041	—	1,864	1,864	—	—	—
Canada .....	12,618	7,990	—	520	—	674	674	—	1,024	1,024
Cayman Islands .....	—	0	—	—	—	—	—	0	—	0
Chile .....	1,434	1,091	—	116	—	1	1	—	—	—
China .....	21,061	6,421	—	3	—	—	—	—	—	—
Colombia .....	570	0	—	873	—	1,640	1,640	—	—	—
Costa Rica .....	—	187	—	8	—	317	317	—	—	—
Denmark .....	697	—	—	60	—	—	—	—	—	—
Dominican Republic .....	—	873	—	1	—	350	350	—	—	—
Ecuador .....	—	1,593	—	293	—	120	120	—	—	—
Egypt .....	—	240	—	—	—	—	—	—	—	—
El Salvador .....	—	235	—	2	—	427	427	—	—	—
Finland .....	—	616	—	—	—	—	—	—	—	—
France .....	2,159	1,268	—	—	—	—	—	—	—	—
Germany .....	3,627	—	—	8	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	109	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	552	—	10	—	2,130	2,130	—	—	—
Honduras .....	—	309	—	2	—	526	526	—	—	—
Hong Kong .....	—	—	—	0	—	—	—	—	—	—
India .....	7,584	4,808	—	39	—	—	—	—	—	—
Indonesia .....	—	3,797	—	1	—	—	—	—	—	—
Ireland .....	1,197	—	—	—	—	—	—	—	—	—
Israel .....	—	0	—	0	—	—	—	—	—	—
Italy .....	4,404	548	—	8	—	—	—	—	—	—
Jamaica .....	—	38	—	1	—	8	8	—	—	—
Japan .....	946	11,581	—	2	—	320	320	—	—	—
Korea, South .....	5,744	3,536	—	3,436	—	1	1	1	0	1
Lebanon .....	—	530	—	—	—	0	0	—	—	—
Mexico .....	—	6,871	—	104	—	14,789	14,789	2	770	772
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	1,180	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	7,993	1,116	—	1,006	—	1	1	—	—	—
New Zealand .....	—	0	—	0	—	0	0	—	—	—
Nicaragua .....	—	—	—	—	—	35	35	—	—	—
Nigeria .....	—	0	—	0	—	0	0	—	—	—
Norway .....	—	1,050	—	—	—	—	—	—	0	0
Pakistan .....	—	—	—	—	—	1	1	—	—	—
Panama .....	478	66	—	0	—	415	415	—	0	0
Peru .....	693	0	—	156	—	822	822	—	—	—
Philippines .....	—	—	—	0	—	—	—	—	—	—
Portugal .....	1,427	1,410	—	—	—	—	—	—	—	—
Puerto Rico .....	—	45	—	3	—	1	1	0	0	0
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	0	—	2	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	671	1	—	14	—	—	—	—	—	—
South Africa .....	—	253	—	—	—	0	0	—	—	—
Spain .....	2,207	852	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	0	—	—	—	—	—	—
Taiwan .....	4,168	0	—	514	—	0	0	—	—	—
Thailand .....	—	0	—	0	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	0	—	—	—	—	—	—
Turkey .....	—	1,619	—	—	—	—	—	—	—	—
United Arab Emirates .....	777	0	—	0	—	—	—	—	—	—
United Kingdom .....	7,227	2,738	—	0	—	0	0	—	—	—
Venezuela .....	—	0	—	—	—	1	1	—	—	—
Other .....	1,758	3,242	—	2	—	807	807	1	1	2
<b>Total .....</b>	<b>90,970</b>	<b>70,838</b>	<b>—</b>	<b>9,244</b>	<b>—</b>	<b>25,548</b>	<b>25,548</b>	<b>4</b>	<b>1,795</b>	<b>1,799</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, October 2020**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	---	---	0	—	—	—	453	—	—	—	453
Australia .....	---	---	0	—	—	—	0	—	—	—	0
Bahamas .....	---	---	0	—	—	—	506	—	—	—	506
Bahrain .....	---	---	—	—	—	—	—	—	—	—	—
Belgium .....	---	---	1	—	—	—	305	—	—	—	305
Belize .....	---	---	—	—	—	—	332	—	—	—	332
Brazil .....	---	---	0	—	—	—	5,091	—	315	—	5,406
Canada .....	---	---	848	88	—	—	2	64	234	—	299
Cayman Islands .....	---	---	0	—	—	—	256	—	—	—	256
Chile .....	---	---	1	—	—	—	3,004	—	—	—	3,004
China .....	---	---	0	—	—	—	1	—	0	—	2
Colombia .....	---	---	264	—	—	—	330	—	—	—	330
Costa Rica .....	---	---	0	—	—	—	502	—	—	—	502
Denmark .....	---	---	—	—	—	—	—	—	—	—	—
Dominican Republic .....	---	---	2	—	—	—	716	0	—	—	717
Ecuador .....	---	---	0	—	—	—	1,140	278	—	—	1,418
Egypt .....	---	---	1	—	—	—	—	—	—	—	—
El Salvador .....	---	---	—	—	—	—	0	—	127	—	127
Finland .....	---	---	91	—	—	—	—	—	—	—	—
France .....	---	---	—	—	—	—	938	—	—	—	938
Germany .....	---	---	—	1	—	—	—	—	—	—	—
Ghana .....	---	---	—	—	—	—	—	—	—	—	—
Gibraltar .....	---	---	—	—	—	—	448	—	—	—	448
Greece .....	---	---	—	—	—	—	—	—	—	—	—
Guatemala .....	---	---	0	—	—	—	258	254	401	—	913
Honduras .....	---	---	—	—	—	—	542	260	—	—	802
Hong Kong .....	---	---	0	—	—	—	—	—	—	—	—
India .....	---	---	277	—	—	—	0	—	—	—	0
Indonesia .....	---	---	0	—	—	—	—	—	—	—	—
Ireland .....	---	---	0	—	—	—	—	—	—	—	—
Israel .....	---	---	2	—	—	—	—	—	—	—	—
Italy .....	---	---	2	—	—	—	—	—	—	—	—
Jamaica .....	---	---	73	—	—	—	316	—	—	—	316
Japan .....	---	---	1	—	—	—	—	—	—	—	—
Korea, South .....	---	---	356	—	—	—	2	—	—	—	2
Lebanon .....	---	---	—	—	—	—	—	—	—	—	—
Mexico .....	---	---	86	0	—	—	6,989	63	2	—	7,053
Montenegro .....	---	---	—	—	—	—	—	—	—	—	—
Morocco .....	---	---	—	—	—	—	—	—	—	—	—
Mozambique .....	---	---	—	—	—	—	—	—	—	—	—
Netherlands .....	---	---	577	—	—	—	527	—	—	—	527
New Zealand .....	---	---	0	—	—	—	—	—	—	—	—
Nicaragua .....	---	---	—	—	—	—	1	—	106	—	107
Nigeria .....	---	---	90	—	—	—	0	—	—	—	0
Norway .....	---	---	157	—	—	—	4	—	—	—	4
Pakistan .....	---	---	—	—	—	—	—	—	—	—	—
Panama .....	---	---	0	—	—	—	1,384	10	187	—	1,580
Peru .....	---	---	84	23	—	—	3,090	—	—	—	3,090
Philippines .....	---	---	56	—	—	—	0	—	—	—	0
Portugal .....	---	---	—	—	—	—	—	—	—	—	—
Puerto Rico .....	---	---	5	—	—	—	1	1	—	—	2
Romania .....	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	---	---	0	—	—	—	437	—	—	—	437
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore .....	---	---	24	0	—	—	—	—	—	—	—
South Africa .....	---	---	—	—	—	—	0	—	—	—	0
Spain .....	---	---	—	—	—	—	302	—	—	—	302
Switzerland .....	---	---	23	—	—	—	0	—	—	—	0
Taiwan .....	---	---	0	—	—	—	0	—	—	—	0
Thailand .....	---	---	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	---	---	0	—	—	—	275	—	1,180	—	1,455
Turkey .....	---	---	0	—	—	—	—	—	—	—	—
United Arab Emirates .....	---	---	—	—	—	—	—	—	—	—	—
United Kingdom .....	---	---	0	0	—	—	351	120	—	—	471
Venezuela .....	---	---	—	—	—	—	0	—	—	—	0
Other .....	---	---	3	1	—	—	1,074	242	0	—	1,315
<b>Total .....</b>	<b>---</b>	<b>---</b>	<b>3,024</b>	<b>113</b>	<b>—</b>	<b>—</b>	<b>29,577</b>	<b>1,292</b>	<b>2,551</b>	<b>—</b>	<b>33,419</b>

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, October 2020**  
(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 .....	—	—	—	30	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	27	—	482	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—
Canada .....	278	—	—	126	—	475	—	—
Cayman Islands .....	0	—	—	—	—	—	—	—
Chile .....	—	—	—	—	—	—	—	—
China .....	0	—	—	—	—	0	—	—
Colombia .....	0	—	—	—	—	—	—	—
Costa Rica .....	0	—	—	103	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	0	—	—	—	—	0	—	—
Ecuador .....	—	—	—	—	—	—	—	—
Egypt .....	0	—	—	—	—	—	—	—
El Salvador .....	0	—	—	—	—	0	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	0	—	—	17	—	—	—	—
Honduras .....	0	—	—	48	—	—	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	—	—	180	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	—	—	—	—	—	35	—	—
Japan .....	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—
Lebanon .....	—	—	—	—	—	349	—	—
Mexico .....	227	—	—	624	—	406	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	0	—	252	—	—
New Zealand .....	—	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	69	—	414	—	—
Peru .....	—	—	—	0	—	—	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	0	—	—	0	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	—	—	692	—	—
South Africa .....	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	1	—	—
Thailand .....	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	0	—	—	0	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	0	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—
Other .....	3	—	—	3	—	3	—	—
<b>Total .....</b>	<b>508</b>	<b>—</b>	<b>—</b>	<b>1,227</b>	<b>—</b>	<b>3,109</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, October 2020**  
(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	25	0	549	549	—	18	18
Australia .....	1	154	291	5	—	1,012	1,012	—	33	33
Bahamas .....	—	—	0	1	—	1,281	1,281	—	41	41
Bahrain .....	—	—	—	0	—	0	0	—	0	0
Belgium .....	—	2	0	510	1	1,361	1,361	—	44	44
Belize .....	—	—	—	1	—	368	368	—	12	12
Brazil .....	1	1,769	—	495	1	14,523	16,053	49	468	518
Canada .....	95	681	334	285	6	13,725	26,343	407	443	850
Cayman Islands .....	—	—	1	1	—	258	258	—	8	8
Chile .....	0	0	71	52	—	4,336	5,770	46	140	186
China .....	1	2,250	1	12	1	8,690	29,751	679	280	960
Colombia .....	0	—	0	88	0	3,195	3,765	18	103	121
Costa Rica .....	0	—	51	21	0	1,189	1,189	—	38	38
Denmark .....	—	107	—	0	—	167	864	22	5	28
Dominican Republic .....	0	—	—	24	0	1,968	1,968	—	63	63
Ecuador .....	0	175	—	22	—	3,622	3,622	—	117	117
Egypt .....	—	279	—	0	—	520	520	—	17	17
El Salvador .....	—	—	0	36	—	827	827	—	27	27
Finland .....	—	—	—	1	—	709	709	—	23	23
France .....	0	—	—	1	0	2,207	4,366	70	71	141
Germany .....	4	0	3	4	—	20	3,647	117	1	118
Ghana .....	—	—	—	1	—	1	1	—	0	0
Gibraltar .....	—	—	—	—	—	557	557	—	18	18
Greece .....	—	66	—	0	—	66	66	—	2	2
Guatemala .....	0	269	—	21	—	3,912	3,912	—	126	126
Honduras .....	0	—	—	15	—	1,702	1,702	—	55	55
Hong Kong .....	—	—	—	1	—	1	1	—	0	0
India .....	3	2,049	—	21	0	7,199	14,782	245	232	477
Indonesia .....	—	—	1	1	—	3,799	3,799	—	123	123
Ireland .....	—	198	—	0	—	198	1,395	39	6	45
Israel .....	0	—	—	155	—	337	337	—	11	11
Italy .....	0	480	—	0	—	1,038	5,442	142	33	176
Jamaica .....	—	—	—	5	—	477	477	—	15	15
Japan .....	0	1,334	0	5	4	13,248	14,194	31	427	458
Korea, South .....	0	0	1	5	0	7,339	13,083	185	237	422
Lebanon .....	—	—	—	1	—	880	880	—	28	28
Mexico .....	27	1,254	248	973	20	33,453	33,453	—	1,079	1,079
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	763	—	1	—	1,944	1,944	—	63	63
Mozambique .....	—	41	—	0	—	41	41	—	1	1
Netherlands .....	3	116	0	24	0	3,622	11,615	258	117	375
New Zealand .....	0	—	51	1	—	52	52	—	2	2
Nicaragua .....	—	—	—	4	—	146	146	—	5	5
Nigeria .....	—	—	—	1	—	92	92	—	3	3
Norway .....	0	234	—	0	—	1,445	1,445	—	47	47
Pakistan .....	—	—	0	0	—	1	1	—	0	0
Panama .....	—	—	22	12	0	2,578	3,056	15	83	99
Peru .....	0	—	0	54	0	4,230	4,924	22	136	159
Philippines .....	—	—	—	1	0	58	58	—	2	2
Portugal .....	—	—	—	4	—	1,414	2,841	46	46	92
Puerto Rico .....	—	—	1	11	—	68	68	—	2	2
Romania .....	—	—	—	0	—	0	0	—	0	0
Saudi Arabia .....	—	1	—	3	—	443	443	—	14	14
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	179	—	909	1,580	22	29	51
South Africa .....	—	42	—	109	—	404	404	—	13	13
Spain .....	1	582	—	1	0	1,739	3,946	71	56	127
Switzerland .....	—	—	0	0	—	24	24	—	1	1
Taiwan .....	0	—	0	3	0	518	4,686	134	17	151
Thailand .....	0	—	0	2	0	3	3	—	0	0
Trinidad and Tobago .....	—	—	—	5	—	1,461	1,461	—	47	47
Turkey .....	—	651	—	34	—	2,304	2,304	—	74	74
United Arab Emirates .....	0	83	—	50	—	134	911	25	4	29
United Kingdom .....	1	308	—	1	0	3,520	10,747	233	114	347
Venezuela .....	—	—	—	4	—	5	5	—	0	0
Other .....	1	616	108	78	2	6,172	7,930	59	201	254
<b>Total .....</b>	<b>138</b>	<b>14,504</b>	<b>1,184</b>	<b>3,370</b>	<b>35</b>	<b>168,061</b>	<b>259,031</b>	<b>2,935</b>	<b>5,421</b>	<b>8,356</b>

— = Not Applicable.

— = 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-October 2020**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina .....	—	0	--	1,168	—	822	822	—	—	—
Australia .....	9,974	4,021	--	24	—	1	1	1	0	1
Bahamas .....	4,761	1,221	--	0	—	1,323	1,323	1	488	489
Bahrain .....	—	—	--	0	—	5	5	0	—	0
Belgium .....	1,715	4,846	--	901	—	324	324	—	—	—
Belize .....	—	120	--	—	—	291	291	—	—	—
Brazil .....	8,948	16,977	--	12,269	—	18,364	18,364	—	690	690
Canada .....	122,427	95,366	--	13,125	—	7,029	7,029	—	7,525	7,525
Cayman Islands .....	—	0	--	0	—	57	57	3	44	47
Chile .....	8,601	10,241	--	363	—	2,671	2,671	—	114	114
China .....	143,690	45,369	--	997	—	8	8	—	—	—
Colombia .....	4,453	329	--	10,788	—	5,986	5,986	—	647	647
Costa Rica .....	—	1,392	--	26	—	4,560	4,560	—	—	—
Denmark .....	11,869	—	--	120	—	—	—	—	0	0
Dominican Republic .....	3,012	9,756	--	4	—	2,638	2,638	0	156	156
Ecuador .....	—	10,736	--	332	—	2,517	2,517	0	1,372	1,372
Egypt .....	—	2,050	--	—	—	—	—	—	—	—
El Salvador .....	—	2,510	--	8	—	3,324	3,324	—	0	0
Finland .....	—	2,421	--	1	—	0	0	0	—	0
France .....	23,697	8,054	--	802	—	0	0	—	—	—
Germany .....	35,215	222	--	65	—	3	3	—	0	0
Ghana .....	—	374	--	0	—	0	0	—	—	—
Gibraltar .....	680	2,726	--	—	—	—	—	—	—	—
Greece .....	3,284	0	--	0	—	0	0	—	—	—
Guatemala .....	—	3,276	--	56	—	10,699	10,699	0	0	0
Honduras .....	—	4,013	--	7	—	3,559	3,559	1	0	1
Hong Kong .....	—	4	--	520	—	—	—	—	0	0
India .....	71,321	33,137	--	112	—	0	0	0	—	0
Indonesia .....	4,729	25,202	--	16	—	1,348	1,348	—	—	—
Ireland .....	13,298	—	--	0	—	—	—	—	—	—
Israel .....	3,847	4	--	72	—	9	9	—	0	0
Italy .....	45,472	1,165	--	76	—	0	0	—	—	—
Jamaica .....	—	501	--	75	—	1,072	1,072	—	53	53
Japan .....	4,989	130,950	--	11,569	—	634	634	6	—	6
Korea, South .....	83,902	38,795	--	11,678	—	10	10	11	57	67
Lebanon .....	—	530	--	1	—	0	0	—	—	—
Mexico .....	—	51,214	--	3,506	—	122,107	122,107	536	5,392	5,929
Montenegro .....	—	—	--	—	—	—	—	—	—	—
Morocco .....	—	7,677	--	—	—	—	—	—	—	—
Mozambique .....	—	—	--	—	—	—	—	—	—	—
Netherlands .....	86,182	19,867	--	4,895	—	561	561	—	289	289
New Zealand .....	735	3	--	0	—	0	0	0	0	0
Nicaragua .....	2,907	0	--	304	—	171	171	—	—	—
Nigeria .....	—	3,697	--	0	—	637	637	—	—	—
Norway .....	1,301	8,672	--	393	—	—	—	—	0	0
Pakistan .....	—	—	--	—	—	1	1	—	—	—
Panama .....	4,202	885	--	101	—	7,395	7,395	—	11	11
Peru .....	6,111	1,249	--	456	—	5,493	5,493	—	476	476
Philippines .....	—	0	--	1	—	290	290	—	—	—
Portugal .....	5,374	5,863	--	—	—	1	1	—	—	—
Puerto Rico .....	—	225	--	20	—	592	592	2	4	5
Romania .....	—	—	--	0	—	—	—	—	—	—
Saudi Arabia .....	—	0	--	9	—	4	4	—	0	0
Serbia (Excludes Kosovo) ..	—	—	--	—	—	—	—	—	—	—
Singapore .....	33,363	3,833	--	2,139	—	3,243	3,243	0	488	488
South Africa .....	5,179	3,349	--	0	—	636	636	0	—	0
Spain .....	21,484	8,917	--	105	—	—	—	—	—	—
Switzerland .....	750	1,708	--	1	—	—	—	—	0	0
Taiwan .....	53,630	6,127	--	3,219	—	3	3	0	0	0
Thailand .....	22,250	0	--	7	—	—	—	—	0	0
Trinidad and Tobago .....	—	0	--	0	—	1,110	1,110	—	—	—
Turkey .....	—	8,905	--	0	—	1	1	—	—	—
United Arab Emirates .....	7,584	0	--	528	—	26	26	—	0	0
United Kingdom .....	75,241	21,397	--	1	—	62	62	0	273	273
Venezuela .....	—	2	--	1	—	12	12	7	0	8
Other .....	39,702	22,900	--	680	—	3,362	3,362	4	284	288
<b>Total .....</b>	<b>975,879</b>	<b>632,798</b>	<b>--</b>	<b>81,541</b>	<b>—</b>	<b>212,961</b>	<b>212,961</b>	<b>572</b>	<b>18,363</b>	<b>18,935</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-October 2020**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	---	---	0	—	—	—	5,264	—	—	—	5,264
Australia .....	---	---	68	—	—	—	1,268	—	—	—	1,268
Bahamas .....	---	---	1	—	—	—	5,944	595	2,244	—	8,782
Bahrain .....	---	---	0	—	—	—	—	—	—	—	—
Belgium .....	---	---	4	0	—	—	1,296	396	—	—	1,692
Belize .....	---	---	0	—	—	—	653	655	—	—	1,308
Brazil .....	---	---	4,260	—	—	—	49,257	3,764	2,628	—	55,649
Canada .....	---	---	6,395	2,927	—	—	10	3,334	1,551	—	4,895
Cayman Islands .....	---	---	0	—	—	—	915	—	—	—	915
Chile .....	---	---	9	—	—	—	30,930	299	593	—	31,821
China .....	---	---	2	88	—	—	333	—	1	—	335
Colombia .....	---	---	1,269	—	—	—	6,801	0	—	—	6,801
Costa Rica .....	---	---	2	—	—	—	6,011	121	—	—	6,131
Denmark .....	---	---	0	0	—	—	295	—	—	—	295
Dominican Republic .....	---	---	6	—	—	—	2,796	102	1,164	—	4,062
Ecuador .....	---	---	0	—	—	—	9,746	1,125	2,702	—	13,573
Egypt .....	---	---	2	—	—	—	0	—	—	—	0
El Salvador .....	---	---	—	—	—	—	799	1,557	384	—	2,740
Finland .....	---	---	469	—	—	—	204	—	—	—	204
France .....	---	---	108	—	—	—	11,431	—	0	—	11,431
Germany .....	---	---	0	8	—	—	498	0	—	—	498
Ghana .....	---	---	0	—	—	—	—	—	—	—	—
Gibraltar .....	---	---	—	—	—	—	5,491	1,283	2,496	—	9,270
Greece .....	---	---	0	—	—	—	291	—	—	—	291
Guatemala .....	---	---	0	0	—	—	3,339	5,241	1,676	—	10,256
Honduras .....	---	---	0	—	—	—	3,680	1,509	1,084	—	6,273
Hong Kong .....	---	---	0	—	—	—	0	—	—	—	0
India .....	---	---	4,112	—	—	—	6	—	—	—	6
Indonesia .....	---	---	0	—	—	—	1,205	—	—	—	1,205
Ireland .....	---	---	0	—	—	—	—	—	—	—	—
Israel .....	---	---	19	—	—	—	2	—	—	—	2
Italy .....	---	---	5	—	—	—	695	—	—	—	695
Jamaica .....	---	---	412	—	—	—	1,927	1	408	—	2,336
Japan .....	---	---	88	—	—	—	3	1	—	—	4
Korea, South .....	---	---	2,049	5	—	—	23	—	—	—	23
Lebanon .....	---	---	—	—	—	—	150	—	—	—	150
Mexico .....	---	---	1,435	6	—	—	74,187	533	872	—	75,592
Montenegro .....	---	---	—	—	—	—	—	—	—	—	—
Morocco .....	---	---	0	—	—	—	4,164	—	299	—	4,463
Mozambique .....	---	---	—	—	—	—	—	—	—	—	—
Netherlands .....	---	---	1,709	99	—	—	11,734	1,433	1,357	—	14,524
New Zealand .....	---	---	0	—	—	—	0	—	—	—	0
Nicaragua .....	---	---	0	—	—	—	197	262	338	—	797
Nigeria .....	---	---	745	—	—	—	1	—	—	—	1
Norway .....	---	---	304	25	—	—	373	—	—	—	373
Pakistan .....	---	---	—	—	—	—	—	—	—	—	—
Panama .....	---	---	1	—	—	—	16,480	3,646	1,877	—	22,003
Peru .....	---	---	800	84	—	—	18,053	—	100	—	18,153
Philippines .....	---	---	856	—	—	—	1	—	—	—	1
Portugal .....	---	---	0	—	—	—	—	—	—	—	—
Puerto Rico .....	---	---	32	0	—	—	4	3	—	—	8
Romania .....	---	---	—	—	—	—	268	—	—	—	268
Saudi Arabia .....	---	---	220	—	—	—	1,446	—	—	—	1,446
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore .....	---	---	29	1	—	—	8,016	589	560	—	9,165
South Africa .....	---	---	0	—	—	—	1	—	—	—	1
Spain .....	---	---	16	—	—	—	3,388	297	317	—	4,002
Switzerland .....	---	---	234	—	—	—	445	—	—	—	445
Taiwan .....	---	---	11	—	—	—	1	—	—	—	1
Thailand .....	---	---	0	—	—	—	0	—	—	—	0
Trinidad and Tobago .....	---	---	0	—	—	—	1,223	2,199	2,173	—	5,594
Turkey .....	---	---	160	—	—	—	355	—	—	—	355
United Arab Emirates .....	---	---	43	—	—	—	0	—	—	—	0
United Kingdom .....	---	---	453	0	—	—	10,529	120	550	—	11,199
Venezuela .....	---	---	—	—	—	—	17	0	—	—	17
Other .....	---	---	251	0	—	—	10,692	2,198	3,019	—	15,911
<b>Total .....</b>	<b>---</b>	<b>---</b>	<b>26,579</b>	<b>3,242</b>	<b>—</b>	<b>—</b>	<b>312,838</b>	<b>31,263</b>	<b>28,393</b>	<b>—</b>	<b>372,494</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-October 2020**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	0	—	—	93	—	—	—	—
Australia .....	0	—	—	0	—	0	—	—
Bahamas .....	0	—	—	942	—	5,168	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	26	—	—	—	—
Brazil .....	0	—	—	641	—	922	—	—
Canada .....	721	—	—	6,215	—	6,231	—	—
Cayman Islands .....	1	—	—	65	—	0	—	—
Chile .....	0	—	—	386	—	907	—	—
China .....	0	—	—	2	—	11	—	—
Colombia .....	0	—	—	191	—	0	—	—
Costa Rica .....	0	—	—	761	—	475	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	1	—	—	830	—	1,217	—	—
Ecuador .....	1	—	—	8	—	214	—	—
Egypt .....	0	—	—	—	—	0	—	—
El Salvador .....	0	—	—	94	—	0	—	—
Finland .....	0	—	—	300	—	0	—	—
France .....	—	—	—	—	—	0	—	—
Germany .....	—	—	—	—	—	1	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	132	—	—
Guatemala .....	0	—	—	324	—	13	—	—
Honduras .....	0	—	—	263	—	704	—	—
Hong Kong .....	—	—	—	0	—	—	—	—
India .....	0	—	—	—	—	1	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	0	—	—	—	—	—	—	—
Israel .....	1	—	—	1,180	—	0	—	—
Italy .....	—	—	—	908	—	—	—	—
Jamaica .....	0	—	—	260	—	1,649	—	—
Japan .....	0	—	—	0	—	0	—	—
Korea, South .....	—	—	—	0	—	0	—	—
Lebanon .....	—	—	—	—	—	2,810	—	—
Mexico .....	710	—	—	9,196	—	7,570	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	433	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	632	—	2,852	—	—
New Zealand .....	0	—	—	—	—	0	—	—
Nicaragua .....	0	—	—	540	—	—	—	—
Nigeria .....	—	—	—	0	—	0	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	1,444	—	5,379	—	—
Peru .....	0	—	—	659	—	0	—	—
Philippines .....	—	—	—	0	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	1	—	—	1	—	6	—	—
Romania .....	—	—	—	—	—	0	—	—
Saudi Arabia .....	—	—	—	—	—	580	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	1	—	—	207	—	6,013	—	—
South Africa .....	—	—	—	—	—	0	—	—
Spain .....	—	—	—	4	—	370	—	—
Switzerland .....	—	—	—	110	—	—	—	—
Taiwan .....	—	—	—	1	—	8	—	—
Thailand .....	—	—	—	0	—	0	—	—
Trinidad and Tobago .....	0	—	—	861	—	—	—	—
Turkey .....	0	—	—	—	—	0	—	—
United Arab Emirates .....	3	—	—	1	—	1	—	—
United Kingdom .....	0	—	—	972	—	421	—	—
Venezuela .....	—	—	—	—	—	0	—	—
Other .....	29	—	—	1,576	—	1,333	—	—
<b>Total .....</b>	<b>1,469</b>	<b>—</b>	<b>—</b>	<b>29,693</b>	<b>—</b>	<b>45,421</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-October 2020**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	1	156	0	836	0	8,341	8,341	—	27	27
Australia .....	10	2,165	521	55	1	8,135	18,110	33	27	59
Bahamas .....	—	—	12	21	0	17,961	22,721	16	59	74
Bahrain .....	0	—	—	3	—	8	8	—	0	0
Belgium .....	0	714	173	3,697	9	12,361	14,076	6	41	46
Belize .....	—	—	—	9	—	1,754	1,754	—	6	6
Brazil .....	8	12,251	0	3,297	7	125,335	134,283	29	411	440
Canada .....	854	7,014	1,728	2,522	75	162,622	285,049	401	533	935
Cayman Islands .....	—	—	29	10	—	1,125	1,125	—	4	4
Chile .....	4	2	372	583	4	47,478	56,079	28	156	184
China .....	14	17,913	9	164	7	64,920	208,610	471	213	684
Colombia .....	2	1	46	764	3	26,827	31,280	15	88	103
Costa Rica .....	1	479	379	131	0	14,336	14,336	—	47	47
Denmark .....	0	549	—	0	—	964	12,834	39	3	42
Dominican Republic .....	1	1,081	597	151	1	20,502	23,513	10	67	77
Ecuador .....	1	1,470	0	297	0	30,520	30,520	—	100	100
Egypt .....	0	2,183	3	6	—	4,245	4,245	—	14	14
El Salvador .....	1	281	0	201	0	9,160	9,160	—	30	30
Finland .....	0	—	—	4	—	3,400	3,400	—	11	11
France .....	3	1,438	—	71	0	21,908	45,605	78	72	150
Germany .....	44	602	15	23	2	1,483	36,698	115	5	120
Ghana .....	—	—	—	5	—	379	379	—	1	1
Gibraltar .....	—	—	—	—	—	11,996	12,676	2	39	42
Greece .....	—	1,873	—	3	—	2,299	5,583	11	8	18
Guatemala .....	1	2,563	0	147	—	27,339	27,339	—	90	90
Honduras .....	1	2,426	149	81	0	17,477	17,477	—	57	57
Hong Kong .....	0	—	0	11	1	538	538	—	2	2
India .....	19	28,036	1	984	3	66,412	137,733	234	218	452
Indonesia .....	0	0	6	14	0	27,792	32,521	16	91	107
Ireland .....	—	346	—	1	0	348	13,646	44	1	45
Israel .....	0	1,339	—	612	0	3,239	7,086	13	11	23
Italy .....	28	4,554	0	2	0	7,435	52,907	149	24	173
Jamaica .....	0	78	207	87	1	6,730	6,730	—	22	22
Japan .....	6	15,782	5	111	38	159,192	164,181	16	522	538
Korea, South .....	2	1,340	6	69	3	54,048	137,950	275	177	452
Lebanon .....	—	121	—	3	—	3,614	3,614	—	12	12
Mexico .....	180	15,342	2,680	8,911	229	304,607	304,607	—	999	999
Montenegro .....	—	—	0	—	—	0	0	—	0	0
Morocco .....	—	4,253	—	1	—	16,827	16,827	—	55	55
Mozambique .....	—	695	—	0	—	695	695	—	2	2
Netherlands .....	97	2,675	8	346	3	48,555	134,737	283	159	442
New Zealand .....	0	352	51	6	—	412	1,147	2	1	4
Nicaragua .....	0	0	0	36	—	1,848	4,756	10	6	16
Nigeria .....	—	532	0	645	—	6,258	6,258	—	21	21
Norway .....	0	1,003	—	2	0	10,773	12,074	4	35	40
Pakistan .....	0	2,874	0	16	0	2,892	2,892	—	9	9
Panama .....	0	265	125	719	0	38,328	42,530	14	126	139
Peru .....	1	0	0	437	3	27,813	33,925	20	91	111
Philippines .....	1	552	—	12	1	1,714	1,714	—	6	6
Portugal .....	0	691	—	7	—	6,561	11,935	18	22	39
Puerto Rico .....	0	—	101	102	—	1,094	1,094	—	4	4
Romania .....	—	1,160	—	1	—	1,429	1,429	—	5	5
Saudi Arabia .....	1	284	175	121	0	2,840	2,840	—	9	9
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	63	810	0	25,990	59,354	109	85	195
South Africa .....	1	730	1	478	—	5,196	10,375	17	17	34
Spain .....	10	3,873	0	12	0	17,309	38,793	70	57	127
Switzerland .....	0	1,306	36	1	—	3,840	4,590	2	13	15
Taiwan .....	21	0	2	52	2	9,446	63,077	176	31	207
Thailand .....	1	749	2	28	2	787	23,037	73	3	76
Trinidad and Tobago .....	0	1	0	80	0	7,648	7,648	—	25	25
Turkey .....	0	11,023	0	135	—	20,579	20,579	—	67	67
United Arab Emirates .....	0	1,107	5	484	—	2,198	9,783	25	7	32
United Kingdom .....	7	1,389	1	14	1	36,190	111,431	247	119	365
Venezuela .....	—	—	—	40	0	81	81	—	0	0
Other .....	6	5,379	140	566	12	52,412	92,109	129	170	302
<b>Total .....</b>	<b>1,327</b>	<b>162,992</b>	<b>7,648</b>	<b>29,037</b>	<b>408</b>	<b>1,626,545</b>	<b>2,602,424</b>	<b>3,200</b>	<b>5,333</b>	<b>8,533</b>

-- = Not Applicable.

- = 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, October 2020**  
(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>543</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>52</b>	<b>52</b>
Algeria	-	-	-	3	-	-	-	-	-	-
Angola	66	-	-	-	-	-	-	-	6	6
Congo (Brazzaville)	31	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	1	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	36	36
Iraq	121	-	-	-	-	-	-	-	-	-
Kuwait	25	-	-	-	-	0	0	-	-	-
Libya	-	-	-	-	-	0	0	-	-	-
Nigeria	20	0	-	0	-	0	0	-	10	10
Saudi Arabia	276	0	-	0	-	-	-	-	-	-
United Arab Emirates	6	0	-	0	-	-	-	-	-	-
Venezuela	-	0	-	-	-	0	0	-	-	-
<b>Non-OPEC</b>	<b>1,815</b>	<b>-2,136</b>	<b>16</b>	<b>214</b>	<b>-</b>	<b>-730</b>	<b>-730</b>	<b>196</b>	<b>183</b>	<b>378</b>
Argentina	27	-	-	0	-	-1	-1	-	1	1
Aruba	-	0	-	-	-	-	-	-	-	-
Australia	-	-18	-	0	-	-	-	-	0	0
Bahamas	-	-1	-	-	-	-8	-8	0	0	0
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-17	-	0	-	-	-	5	-	5
Brazil	31	-95	-	-66	-	-59	-59	-	11	11
Brunei	32	-	-	-	-	-	-	-	-	-
Cameroon	23	-	-	-	-	-	-	-	-	-
Canada	3,022	-109	15	-12	-	-2	-2	119	-12	107
Chad	-	-	-	-	-	-	-	-	-	-
China	-679	-207	-	0	-	-	-	-	-	-
Colombia	178	0	-	-28	-	-53	-53	-	-	-
Denmark	-22	-	-	3	-	-	-	-	-	-
Dominican Republic	-	-28	-	0	-	-11	-11	-	-	-
Ecuador	154	-51	-	2	-	-4	-4	-	-	-
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-	-20	-	2	-	-	-	-	22	22
France	-70	-41	-	-	-	9	9	18	-	18
Germany	-117	-	-	0	-	-	-	-	3	3
Guatemala	-	-18	-	0	-	-69	-69	-	-	-
Honduras	-	-10	-	0	-	-17	-17	-	-	-
India	-245	-155	-	-1	-	-	-	-	25	25
Indonesia	-	-122	-	0	-	-	-	-	-	-
Italy	-142	-18	-	0	-	-	-	-	21	21
Japan	-31	-374	-	0	-	-10	-10	-	-	-
Korea, South	-185	-114	-	-111	-	0	0	0	5	5
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	0	0	-	20	20
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	472	-222	1	53	-	-477	-477	0	-16	-16
Netherlands	-258	-36	-	-32	-	2	2	16	5	21
Norway	34	-34	-	17	-	-	-	6	0	6
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-15	-2	-	0	-	-13	-13	-	0	0
Portugal	-46	-45	-	-	-	27	27	-	1	1
Puerto Rico	-	-1	-	0	-	0	0	0	0	0
Qatar	-	0	-	-	-	-	-	-	-	-
Russia	145	-	-	393	-	10	10	-	31	31
Spain	-71	-27	-	-	-	19	19	-	-	-
Sweden	-	-18	-	7	-	-	-	-	-	-
Trinidad and Tobago	34	-	-	0	-	-	-	-	-	-
United Kingdom	-188	-88	-	2	-	0	0	33	22	55
Vietnam	-34	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-23	-2	-	-	-	0	0	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-211	-263	0	-15	-	-73	-73	-1	44	42
<b>Total</b>	<b>2,359</b>	<b>-2,135</b>	<b>16</b>	<b>216</b>	<b>-</b>	<b>-730</b>	<b>-730</b>	<b>196</b>	<b>234</b>	<b>430</b>
<b>Persian Gulf<sup>2</sup></b>	<b>427</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>36</b>	<b>36</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, October 2020**  
(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>	--	--	-3	-	-	-	13	-	-	-	13
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	0	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-3	-	-	-	0	-	-	-	0
Saudi Arabia	--	--	0	-	-	-	-12	-	-	-	-12
United Arab Emirates	--	--	-	-	-	-	25	-	-	-	25
Venezuela	--	--	-	-	-	-	0	-	-	-	0
<b>Non-OPEC</b>	--	--	-79	10	20	-	-698	-32	-81	-	-811
Argentina	--	--	0	-	-	-	-15	-	-	-	-15
Aruba	--	--	-	-	-	-	0	-	-	-	0
Australia	--	--	0	-	-	-	0	-	-	-	0
Bahamas	--	--	0	-	-	-	-16	-	-	-	-16
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	0	-	-	-	3	-	-	-	3
Brazil	--	--	16	-	-	-	-164	-	-10	-	-174
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-27	4	-	-	125	-2	-6	-	117
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	-	-	-	0	10	0	-	10
Colombia	--	--	-9	-	-	-	32	-	-	-	32
Denmark	--	--	-	-	-	-	-	-	-	-	-
Dominican Republic	--	--	0	-	-	-	-23	0	-	-	-23
Ecuador	--	--	0	-	-	-	-37	-9	-	-	-46
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-3	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-30	-	-	-	-30
Germany	--	--	-	4	-	-	-	-	-	-	-
Guatemala	--	--	0	-	-	-	-8	-8	-13	-	-29
Honduras	--	--	-	-	-	-	-17	-8	-	-	-26
India	--	--	-9	-	-	-	0	-	-	-	0
Indonesia	--	--	0	-	-	-	-	-	-	-	-
Italy	--	--	0	-	-	-	5	-	-	-	5
Japan	--	--	0	-	-	-	-	-	-	-	-
Korea, South	--	--	-11	2	-	-	0	-	-	-	0
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	25	-	-	-	25
Mexico	--	--	-3	0	-	-	-225	-2	0	-	-228
Netherlands	--	--	-19	-	-	-	-4	-	-	-	-4
Norway	--	--	-5	-	-	-	0	-	-	-	0
Oman	--	--	-	-	-	-	0	-	-	-	0
Panama	--	--	0	-	-	-	-45	0	-6	-	-51
Portugal	--	--	-	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	-	-	-	0	0	-	-	0
Qatar	--	--	-	-	-	-	4	-	-	-	4
Russia	--	--	-	-	-	-	15	-	-	-	15
Spain	--	--	-	-	-	-	-10	-	-	-	-10
Sweden	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	0	-	-	-	-9	-	-38	-	-47
United Kingdom	--	--	0	0	-	-	-11	-4	-	-	-15
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	0	-	-	-	-2	-8	-	-	-10
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-9	0	20	-	-291	-1	-8	-	-298
<b>Total</b>	--	--	-81	10	20	-	-685	-32	-81	-	-798
<b>Persian Gulf<sup>2</sup></b>	--	--	0	-	-	-	17	-	-	-	17

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, October 2020**  
(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>-</b>	<b>-</b>	<b>29</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>
Algeria	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	-	-	-	-	-
Kuwait	-	-	-	9	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	2	-	-	-
United Arab Emirates	0	-	-	19	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>-7</b>	<b>0</b>	<b>-</b>	<b>76</b>	<b>17</b>	<b>87</b>	<b>12</b>	<b>4</b>
Argentina	-	-	-	-1	-	-	-	0
Aruba	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	-4	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-9	0	-	5	3	-6	3	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	-	-	0	-	-
Colombia	0	-	-	4	-	5	-	-
Denmark	-	-	-	-	-	12	-	-
Dominican Republic	0	-	-	-	-	0	-	-
Ecuador	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	2	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-	-	9	-	1
Germany	-	-	-	-	-	2	-	-
Guatemala	0	-	-	-1	-	-	-	-
Honduras	0	-	-	-2	-	-	-	-
India	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	1	-	-
Japan	10	-	-	-	1	-	5	-
Korea, South	-	-	-	92	12	-	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	0	-	-
Mexico	-7	-	-	-20	-	19	4	-
Netherlands	-	-	-	0	-	11	-	-
Norway	-	-	-	-	-	4	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-2	-	-13	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	0	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	66	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	10	-	-
Trinidad and Tobago	0	-	-	0	-	-	-	-
United Kingdom	-	-	-	10	-	-	0	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	0	-	-	0	-	0	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-1	0	-	-8	1	-31	0	1
<b>Total</b>	<b>-7</b>	<b>0</b>	<b>-</b>	<b>105</b>	<b>19</b>	<b>87</b>	<b>12</b>	<b>4</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>29</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, October 2020**  
(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>-3</b>	<b>-2</b>	<b>2</b>	<b>-</b>	<b>94</b>	<b>637</b>
Algeria	-	-	-	0	-	3	3
Angola	-	-	-	0	-	6	72
Congo (Brazzaville)	-	-	-	-	-	-	978
Equatorial Guinea	-	-	-	0	-	1	1
Gabon	-	-	-	-	-	-	-
Iran	-	-	-	-	-	36	36
Iraq	-	-	-	0	-	0	120
Kuwait	-	-	0	0	-	9	34
Libya	-	-	-	0	-	0	0
Nigeria	-	-	-	0	-	7	27
Saudi Arabia	-	0	-	0	-	-10	266
United Arab Emirates	0	-3	-	3	-	45	50
Venezuela	-	-	-	0	-	0	0
<b>Non-OPEC</b>	<b>1</b>	<b>-456</b>	<b>6</b>	<b>-58</b>	<b>-1</b>	<b>-3,436</b>	<b>-1,621</b>
Argentina	-	3	0	-1	0	-12	15
Aruba	-	-	0	0	-	0	0
Australia	0	-5	-9	0	-	-33	-33
Bahamas	-	-	0	0	-	-29	-29
Bahrain	-	-	-	2	-	2	2
Belgium	-	0	0	-16	0	-26	-26
Brazil	0	-52	-	-16	0	-435	-405
Brunei	-	-	-	0	-	0	32
Cameroon	-	-	-	-	-	-	23
Canada	-1	-21	30	-1	0	96	3,118
Chad	-	-	-	-	-	-	-
China	0	-73	0	0	0	-270	-950
Colombia	0	-	0	-3	0	-51	127
Denmark	-	-3	-	0	-	11	-11
Dominican Republic	0	-	-	-1	0	-63	-63
Ecuador	0	-6	-	-1	-	-105	49
Estonia	-	-	-	0	-	2	2
Finland	-	-	-	0	-	1	1
France	0	-	-	0	0	-34	-104
Germany	0	0	0	0	-	9	-108
Guatemala	0	-9	-	-1	-	-126	-126
Honduras	0	-	-	0	-	-55	-55
India	0	-66	-	-1	0	-207	-451
Indonesia	-	-	0	5	-	-117	-117
Italy	0	-15	-	0	-	-7	-149
Japan	1	-43	0	0	0	-410	-441
Korea, South	0	0	0	13	0	-112	-297
Latvia	-	-	-	0	-	0	0
Lithuania	-	-	-	0	0	20	20
Malaysia	0	-	-	0	0	25	25
Mexico	-1	-40	-8	-31	-1	-976	-505
Netherlands	0	-4	0	0	0	-61	-319
Norway	0	-8	-	0	-	-20	14
Oman	-	-2	-	0	-	-2	-2
Panama	-	-	-1	0	0	-83	-99
Portugal	-	-	-	1	-	-17	-63
Puerto Rico	-	-	0	0	-	-2	-2
Qatar	-	-	-	17	-	20	20
Russia	0	-	-	0	-	515	660
Spain	0	-19	-	0	0	-37	-109
Sweden	0	-1	-	0	-	-2	-2
Trinidad and Tobago	-	-	-	0	-	-47	-13
United Kingdom	1	-10	-	0	0	-45	-233
Vietnam	0	-	0	0	0	0	-34
Virgin Islands, U.S.	-	-	0	0	-	-12	-35
Yemen	-	-	-	0	-	0	0
Other	1	-82	-6	-24	0	-741	-948
<b>Total</b>	<b>1</b>	<b>-459</b>	<b>4</b>	<b>-55</b>	<b>-1</b>	<b>-3,343</b>	<b>-984</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-3</b>	<b>0</b>	<b>22</b>	<b>-</b>	<b>103</b>	<b>529</b>

-- = Not Applicable.

- = 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-October 2020**  
(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>864</b>	<b>-9</b>	<b>-</b>	<b>11</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>19</b>	<b>21</b>
Algeria	-	-	-	3	-	-	-	-	5	5
Angola	28	-	-	0	-	-	-	-	3	3
Congo (Brazzaville)	1,904	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	3	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	4	4
Iraq	193	-	-	0	-	0	0	0	-	0
Kuwait	22	-	-	2	-	0	0	0	-	0
Libya	10	-	-	0	-	0	0	-	-	-
Nigeria	63	-12	-	2	-	-2	-2	-	3	3
Saudi Arabia	559	0	-	4	-	3	3	1	3	4
United Arab Emirates	-18	1	-	0	-	0	0	-	2	2
Venezuela	-	0	-	0	-	0	0	0	0	0
<b>Non-OPEC</b>	<b>1,860</b>	<b>-1,932</b>	<b>15</b>	<b>280</b>	<b>-</b>	<b>-588</b>	<b>-588</b>	<b>165</b>	<b>229</b>	<b>394</b>
Argentina	40	0	-	-4	-	-2	-2	-	1	1
Aruba	-	0	-	0	-	-1	-1	-	0	0
Australia	-33	-13	-	0	-	0	0	0	0	0
Bahamas	-12	-4	-	0	-	-4	-4	0	-1	-1
Bahrain	-	-	-	0	-	0	0	0	-	0
Belgium	-6	-16	-	8	-	3	3	6	7	13
Brazil	36	-56	-	-40	-	-51	-51	0	20	20
Brunei	18	-	-	-	-	-	-	-	-	-
Cameroon	21	0	-	-	-	-	-	-	-	-
Canada	3,160	-186	15	-38	-	-6	-6	97	10	107
Chad	-	0	-	-	-	-	-	-	-	-
China	-471	-149	-	-3	-	0	0	-	-	-
Colombia	249	-1	-	-26	-	-19	-19	-	2	2
Denmark	-39	-	-	0	-	0	0	0	0	0
Dominican Republic	-10	-32	-	0	-	-9	-9	0	-1	-1
Ecuador	167	-35	-	12	-	-8	-8	0	-4	-4
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-	-8	-	1	-	0	0	0	13	13
France	-78	-26	-	-3	-	11	11	6	0	7
Germany	-115	-1	-	2	-	0	0	0	2	2
Guatemala	4	-11	-	0	-	-35	-35	0	0	0
Honduras	-	-13	-	0	-	-12	-12	0	0	0
India	-234	-109	-	1	-	1	1	0	61	61
Indonesia	-16	-83	-	0	-	-4	-4	-	-	-
Italy	-148	-4	-	8	-	0	0	1	15	16
Japan	-16	-429	-	-37	-	-2	-2	0	2	2
Korea, South	-275	-127	-	-38	-	5	5	2	8	10
Latvia	-	-	-	-	-	0	0	-	0	0
Lithuania	-2	-	-	-	-	1	1	-	3	3
Malaysia	-20	0	-	5	-	0	0	-	0	0
Mexico	667	-168	1	27	-	-400	-400	0	-14	-14
Netherlands	-283	-65	-	-12	-	10	10	22	23	45
Norway	8	-26	-	2	-	1	1	1	7	9
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-12	-3	-	0	-	-24	-24	-	0	0
Portugal	-18	-19	-	1	-	17	17	3	4	7
Puerto Rico	-	-1	-	0	-	-2	-2	0	0	0
Qatar	-	0	-	0	-	0	0	0	-	0
Russia	80	0	-	394	-	6	6	2	25	26
Spain	-70	-29	-	3	-	10	10	1	15	15
Sweden	-40	-14	-	6	-	2	2	0	4	4
Trinidad and Tobago	39	1	-	0	-	-4	-4	-	-	-
United Kingdom	-222	-69	-	9	-	3	3	23	16	39
Vietnam	-13	-6	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-9	-4	-	-2	-	-2	-2	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-487	-226	-1	4	-	-73	-73	1	11	12
<b>Total</b>	<b>2,724</b>	<b>-1,941</b>	<b>15</b>	<b>292</b>	<b>-</b>	<b>-587</b>	<b>-587</b>	<b>166</b>	<b>249</b>	<b>415</b>
<b>Persian Gulf<sup>2</sup></b>	<b>756</b>	<b>1</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>10</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-October 2020**  
(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>	--	--	-3	0	-	-	0	0	-	-	0
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	0	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	0	0	-	-	0	-	-	-	0
Libya	--	--	-	-	-	-	0	-	-	-	0
Nigeria	--	--	-2	-	-	-	1	-	-	-	1
Saudi Arabia	--	--	-1	-	-	-	-4	-	-	-	-4
United Arab Emirates	--	--	0	-	-	-	3	-	-	-	3
Venezuela	--	--	-	-	-	-	0	0	-	-	0
<b>Non-OPEC</b>	--	--	-75	2	17	-	-849	-98	-92	-	-1,039
Argentina	--	--	0	-	-	-	-17	-	-	-	-17
Aruba	--	--	0	-	-	-	-1	-	-	-	-1
Australia	--	--	0	-	-	-	-4	-	-	-	-4
Bahamas	--	--	0	-	-	-	-19	-2	-7	-	-28
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	0	0	-	-	-3	-1	-	-	-4
Brazil	--	--	-5	-	-	-	-161	-12	-9	-	-182
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	0	-	-	-	0
Canada	--	--	-21	-2	-	-	123	-10	-5	-	108
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	0	-	-	-1	1	0	-	0
Colombia	--	--	-4	-	-	-	-2	0	-	-	-2
Denmark	--	--	0	0	-	-	-1	-	-	-	-1
Dominican Republic	--	--	0	-	-	-	-9	0	-4	-	-13
Ecuador	--	--	0	-	-	-	-32	-4	-9	-	-45
Estonia	--	--	-	-	-	-	-1	-	-	-	-1
Finland	--	--	-2	-	-	-	-1	-	-	-	-1
France	--	--	0	-	-	-	-37	-	0	-	-37
Germany	--	--	0	3	-	-	-2	0	-	-	-2
Guatemala	--	--	0	0	-	-	-11	-17	-5	-	-34
Honduras	--	--	0	-	-	-	-12	-5	-4	-	-21
India	--	--	-13	-	-	-	4	3	-	-	6
Indonesia	--	--	0	-	-	-	-2	-	-	-	-2
Italy	--	--	0	-	-	-	-1	-	-	-	-1
Japan	--	--	0	0	-	-	1	0	-	-	1
Korea, South	--	--	-7	2	-	-	5	-	-	-	5
Latvia	--	--	-	-	-	-	0	-	-	-	0
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	2	-	-	-	2
Mexico	--	--	-5	0	-	-	-243	-2	-3	-	-248
Netherlands	--	--	-6	0	-	-	-37	-5	-4	-	-45
Norway	--	--	-1	0	-	-	-1	-	-	-	-1
Oman	--	--	0	-	-	-	0	-	-	-	0
Panama	--	--	0	-	-	-	-54	-12	-6	-	-72
Portugal	--	--	0	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	0	-	-	0	0	-	-	0
Qatar	--	--	0	-	-	-	3	-	-	-	3
Russia	--	--	0	-	-	-	4	0	-	-	4
Spain	--	--	0	1	-	-	-9	-1	-1	-	-11
Sweden	--	--	0	-	-	-	-2	-	-	-	-2
Trinidad and Tobago	--	--	0	-	-	-	-4	-7	-7	-	-18
United Kingdom	--	--	-1	0	-	-	-35	0	-2	-	-37
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	0	-	-	-	-8	-4	-1	-	-12
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-10	-2	17	-	-281	-20	-25	-	-326
<b>Total</b>	--	--	-78	2	17	-	-849	-98	-92	-	-1,039
<b>Persian Gulf<sup>2</sup></b>	--	--	-1	0	-	-	2	-	-	-	2

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-October 2020**  
(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>-</b>	<b>-</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>-</b>
Algeria	-	-	-	1	-	1	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	6	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	0	-	0	-	-
Saudi Arabia	-	-	-	3	1	0	0	-
United Arab Emirates	0	-	-	2	-	1	-	-
Venezuela	-	-	-	-	-	0	-	-
<b>Non-OPEC</b>	<b>-4</b>	<b>1</b>	<b>-</b>	<b>42</b>	<b>13</b>	<b>20</b>	<b>16</b>	<b>3</b>
Argentina	0	-	-	0	-	3	-	0
Aruba	0	-	-	0	-	-	-	-
Australia	0	-	-	0	-	0	-	-
Bahamas	0	-	-	-3	-	-11	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	2	0	-
Brazil	0	-	-	-2	1	3	-	0
Brunei	-	-	-	5	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-2	0	-	-12	2	1	3	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	1	-	0	-	-
Colombia	0	-	-	0	-	2	-	-
Denmark	-	-	-	-	-	3	-	-
Dominican Republic	0	-	-	-3	-	-4	-	-
Ecuador	0	-	-	0	-	2	-	-
Estonia	-	-	-	-	-	0	-	-
Finland	0	-	-	-1	-	0	-	-
France	-	-	-	-	0	1	0	1
Germany	-	-	-	-	0	1	-	-
Guatemala	0	-	-	-1	-	0	-	-
Honduras	0	-	-	-1	-	-2	-	-
India	0	-	-	10	0	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-1	-	1	-	-
Japan	1	-	-	17	2	0	3	-
Korea, South	0	-	-	77	7	0	0	-
Latvia	-	-	-	0	-	0	-	-
Lithuania	-	-	-	-	-	1	-	-
Malaysia	0	-	-	0	-	-2	-	-
Mexico	-2	-	-	-30	0	22	6	-
Netherlands	-	1	-	-2	0	-1	3	-
Norway	-	-	-	-	-	0	0	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-4	-	-16	-	-
Portugal	-	-	-	-	-	2	-	-
Puerto Rico	0	-	-	0	-	0	-	-
Qatar	0	-	-	3	-	-	-	-
Russia	0	-	-	0	-	36	-	-
Spain	-	-	-	0	0	-1	-	-
Sweden	-	-	-	-	-	4	-	-
Trinidad and Tobago	0	-	-	-2	-	-	-	-
United Kingdom	0	-	-	-1	0	1	0	-
Vietnam	-	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-1	-	-1	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-1	0	-	-7	1	-27	1	0
<b>Total</b>	<b>-4</b>	<b>1</b>	<b>-</b>	<b>54</b>	<b>14</b>	<b>22</b>	<b>16</b>	<b>3</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>-</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-October 2020**  
(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>-6</b>	<b>-1</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>892</b>
Algeria	-	-	-	0	-	10	10
Angola	-	-	-	0	-	3	31
Congo (Brazzaville)	-	-	-	-	-	-	1,910
Equatorial Guinea	-	-	-	0	-	3	3
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	4	4
Iraq	0	-	-	0	-	0	193
Kuwait	-	-	0	0	-	8	30
Libya	-	-	-	0	-	0	10
Nigeria	-	-2	0	-2	-	-14	49
Saudi Arabia	0	-1	-1	0	0	10	569
United Arab Emirates	0	-4	0	2	-	6	-12
Venezuela	-	-	-	0	0	0	0
<b>Non-OPEC</b>	<b>0</b>	<b>-518</b>	<b>21</b>	<b>-59</b>	<b>-1</b>	<b>-3,390</b>	<b>-1,531</b>
Argentina	0	4	0	-3	0	-17	22
Aruba	-	-	0	0	-	-2	-2
Australia	0	-7	-2	0	0	-27	-59
Bahamas	-	-	0	0	0	-51	-63
Bahrain	0	-	-	1	-	1	1
Belgium	0	-2	-1	-12	0	-9	-15
Brazil	0	-38	0	-11	0	-360	-324
Brunei	-	-	-	0	-	5	22
Cameroon	0	-	-	0	-	0	21
Canada	-1	-22	34	-1	0	-21	3,139
Chad	-	-	-	-	-	0	0
China	1	-59	0	-1	0	-210	-681
Colombia	0	0	1	-3	0	-50	199
Denmark	0	-2	0	0	-	1	-38
Dominican Republic	0	-4	-2	0	0	-67	-77
Ecuador	0	-5	0	-1	0	-85	82
Estonia	-	-	-	0	-	-1	-1
Finland	0	-	-	0	-	3	3
France	0	-5	-	0	0	-52	-130
Germany	0	-1	0	0	0	5	-111
Guatemala	0	-8	0	0	-	-90	-86
Honduras	0	-8	0	0	0	-57	-57
India	0	-92	0	-3	0	-137	-371
Indonesia	0	0	0	3	0	-87	-102
Italy	0	-15	0	1	0	6	-142
Japan	0	-52	0	0	0	-496	-512
Korea, South	0	-4	0	8	0	-62	-337
Latvia	-	-	-	0	-	1	1
Lithuania	0	-	-	0	0	6	4
Malaysia	0	-2	0	0	0	4	-17
Mexico	-1	-50	-9	-29	-1	-901	-234
Netherlands	0	-8	0	0	0	-81	-363
Norway	0	-3	-	0	0	-19	-11
Oman	0	0	0	0	-	0	0
Panama	0	-1	0	-2	0	-123	-135
Portugal	0	-2	-	0	-	6	-12
Puerto Rico	0	-	0	0	-	-4	-4
Qatar	-	-1	-	8	-	14	14
Russia	0	0	0	0	-	467	547
Spain	0	-13	1	0	0	-23	-94
Sweden	0	0	-	0	0	-2	-41
Trinidad and Tobago	0	0	0	0	0	-24	14
United Kingdom	0	-5	0	0	0	-59	-281
Vietnam	0	-3	0	0	0	-9	-23
Virgin Islands, U.S.	-	-	0	0	-	-23	-32
Yemen	-	-	-	0	-	0	0
Other	1	-110	-1	-14	0	-760	-1,245
<b>Total</b>	<b>0</b>	<b>-525</b>	<b>21</b>	<b>-59</b>	<b>-1</b>	<b>-3,362</b>	<b>-638</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-6</b>	<b>-1</b>	<b>11</b>	<b>0</b>	<b>42</b>	<b>799</b>

-- = Not Applicable.

- = 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, October 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>10,510</b>	<b>146,411</b>	<b>899,986</b>	<b>24,056</b>	<b>51,186</b>	<b>1,132,149</b>
Refinery .....	5,865	12,987	44,501	2,533	21,480	87,366
Tank Farms and Pipelines (Includes Cushing, OK) ....	4,645	133,424	216,929	21,523	26,506	403,027
Cushing, Oklahoma .....	--	60,436	--	--	--	60,436
Leases .....	--	--	--	--	--	--
Strategic Petroleum Reserve <sup>1</sup> .....	--	--	638,556	--	--	638,556
Alaskan In Transit .....	--	--	--	--	3,200	3,200
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> .....	<b>174,517</b>	<b>177,839</b>	<b>429,902</b>	<b>23,998</b>	<b>85,849</b>	<b>892,105</b>
Refinery .....	11,022	46,107	118,507	9,716	43,491	228,843
Bulk Terminal .....	135,925	94,419	254,190	7,666	37,107	529,307
Pipeline .....	27,330	35,950	55,580	6,428	4,648	129,936
Natural Gas Processing Plant .....	240	1,363	1,625	188	603	4,019
<b>Natural Gas Liquids</b> .....	<b>11,882</b>	<b>61,855</b>	<b>194,820</b>	<b>7,993</b>	<b>6,323</b>	<b>282,873</b>
Refinery .....	512	4,801	7,777	519	1,543	15,152
Bulk Terminal .....	9,167	38,559	163,398	2,856	4,177	218,157
Pipeline .....	1,963	17,132	22,020	4,430	--	45,545
Natural Gas Processing Plant .....	240	1,363	1,625	188	603	4,019
<b>Ethane</b> .....	<b>859</b>	<b>6,096</b>	<b>70,022</b>	<b>1,180</b>	<b>--</b>	<b>78,157</b>
Refinery .....	--	--	122	--	--	122
Bulk Terminal .....	407	2,594	61,635	--	--	64,636
Pipeline .....	452	3,310	7,955	1,173	--	12,890
Natural Gas Processing Plant .....	--	192	310	7	--	509
<b>Propane</b> .....	<b>8,301</b>	<b>26,041</b>	<b>54,539</b>	<b>3,171</b>	<b>3,031</b>	<b>95,083</b>
Refinery .....	72	1,706	1,078	33	85	2,974
Bulk Terminal .....	6,914	20,236	46,604	1,413	2,788	77,955
Pipeline .....	1,199	3,491	6,594	1,653	--	12,937
Natural Gas Processing Plant .....	116	608	263	72	158	1,217
<b>Normal Butane</b> .....	<b>2,249</b>	<b>16,289</b>	<b>34,753</b>	<b>2,500</b>	<b>2,826</b>	<b>58,617</b>
Refinery .....	253	2,327	4,396	373	1,079	8,428
Bulk Terminal .....	1,719	12,154	27,524	1,438	1,384	44,219
Pipeline .....	225	1,677	2,617	646	--	5,165
Natural Gas Processing Plant .....	52	131	216	43	363	805
<b>Isobutane</b> .....	<b>242</b>	<b>2,147</b>	<b>10,310</b>	<b>424</b>	<b>406</b>	<b>13,529</b>
Refinery .....	187	502	1,511	96	376	2,672
Bulk Terminal .....	--	731	7,484	--	3	8,218
Pipeline .....	44	727	1,217	312	--	2,300
Natural Gas Processing Plant .....	11	187	98	16	27	339
<b>Natural Gasoline</b> .....	<b>231</b>	<b>11,282</b>	<b>25,196</b>	<b>718</b>	<b>60</b>	<b>37,487</b>
Refinery .....	--	266	670	17	3	956
Bulk Terminal .....	127	2,844	20,151	5	2	23,129
Pipeline .....	43	7,927	3,637	646	--	12,253
Natural Gas Processing Plant .....	61	245	738	50	55	1,149
<b>Refinery Olefins</b> .....	<b>262</b>	<b>641</b>	<b>3,137</b>	<b>19</b>	<b>66</b>	<b>4,125</b>
Refinery .....	262	641	3,137	19	66	4,125
Bulk Terminal .....	--	--	--	--	--	--
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>121</b>	<b>416</b>	<b>820</b>	<b>1</b>	<b>9</b>	<b>1,367</b>
Refinery .....	121	416	820	1	9	1,367
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Normal Butylene</b> .....	<b>107</b>	<b>225</b>	<b>2,317</b>	<b>18</b>	<b>57</b>	<b>2,724</b>
Refinery .....	107	225	2,317	18	57	2,724
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Isobutylene</b> .....	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>
Refinery .....	34	0	0	0	0	34
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Other Hydrocarbons</b> .....	<b>--</b>	<b>26</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>26</b>
Refinery .....	--	26	--	--	--	26
<b>Oxygenates (excluding Fuel Ethanol)</b> .....	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, October 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>MTBE</b> .....	--	--	--	--	--	--
Refinery .....	--	--	--	--	--	--
Bulk Terminal <sup>3</sup> .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
<b>Other Oxygenates<sup>4</sup></b> .....	--	--	--	--	--	--
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
<b>Renewable Fuels (including Fuel Ethanol)</b> .....	<b>8,021</b>	<b>8,888</b>	<b>5,363</b>	<b>455</b>	<b>4,297</b>	<b>27,024</b>
Refinery .....	227	135	413	197	354	1,326
Bulk Terminal .....	7,750	8,753	4,950	253	3,943	25,649
Pipeline .....	44	--	--	5	--	49
<b>Fuel Ethanol<sup>2</sup></b> .....	<b>6,823</b>	<b>7,917</b>	<b>3,407</b>	<b>383</b>	<b>2,892</b>	<b>21,422</b>
Refinery .....	219	91	182	129	51	672
Bulk Terminal .....	6,560	7,826	3,225	249	2,841	20,701
Pipeline .....	44	--	--	5	--	49
<b>Renewable Diesel Fuel<sup>5</sup></b> .....	<b>1,198</b>	<b>971</b>	<b>1,946</b>	<b>72</b>	<b>1,385</b>	<b>5,572</b>
Refinery .....	8	44	231	68	303	654
Bulk Terminal .....	1,190	927	1,715	4	1,082	4,918
Pipeline .....	--	--	--	--	--	--
<b>Other Renewable Fuels</b> .....	<b>--</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>20</b>	<b>30</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	10	--	20	30
Pipeline .....	--	--	--	--	--	--
<b>Unfinished Oils</b> .....	<b>4,018</b>	<b>12,319</b>	<b>44,276</b>	<b>2,758</b>	<b>16,922</b>	<b>80,293</b>
<b>Naphthas and Lighter</b> .....	<b>943</b>	<b>3,442</b>	<b>10,446</b>	<b>634</b>	<b>3,116</b>	<b>18,581</b>
Refinery .....	858	3,410	9,358	634	2,813	17,073
Bulk Terminal .....	85	32	1,088	--	303	1,508
<b>Kerosene and Light Gas Oils</b> .....	<b>535</b>	<b>2,181</b>	<b>8,172</b>	<b>603</b>	<b>2,707</b>	<b>14,198</b>
Refinery .....	526	2,181	6,086	603	2,497	11,893
Bulk Terminal .....	9	--	2,086	--	210	2,305
<b>Heavy Gas Oils</b> .....	<b>1,828</b>	<b>4,443</b>	<b>19,218</b>	<b>1,135</b>	<b>8,222</b>	<b>34,846</b>
Refinery .....	1,540	4,299	17,430	1,135	7,881	32,285
Bulk Terminal .....	288	144	1,788	--	341	2,561
<b>Residuum</b> .....	<b>712</b>	<b>2,253</b>	<b>6,440</b>	<b>386</b>	<b>2,877</b>	<b>12,668</b>
Refinery .....	712	2,253	6,032	386	2,872	12,255
Bulk Terminal .....	--	--	408	--	5	413
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	<b>57,833</b>	<b>40,377</b>	<b>72,034</b>	<b>5,734</b>	<b>26,092</b>	<b>202,070</b>
Refinery .....	3,265	12,167	27,538	3,023	12,457	58,450
Bulk Terminal .....	42,231	21,015	29,033	1,805	11,278	105,362
Pipeline .....	12,337	7,195	15,463	906	2,357	38,258
<b>Reformulated - RBOB</b> .....	<b>20,434</b>	<b>4,764</b>	<b>10,336</b>	<b>--</b>	<b>13,042</b>	<b>48,576</b>
Refinery .....	1,105	918	1,579	--	4,578	8,180
Bulk Terminal .....	15,219	3,000	4,820	--	6,999	30,038
Pipeline .....	4,110	846	3,937	--	1,465	10,358
<b>Conventional</b> .....	<b>37,399</b>	<b>35,613</b>	<b>61,698</b>	<b>5,734</b>	<b>13,050</b>	<b>153,494</b>
Refinery .....	2,160	11,249	25,959	3,023	7,879	50,270
Bulk Terminal .....	27,012	18,015	24,213	1,805	4,279	75,324
Pipeline .....	8,227	6,349	11,526	906	892	27,900
<b>CBOB</b> .....	<b>27,034</b>	<b>29,307</b>	<b>32,308</b>	<b>4,424</b>	<b>6,877</b>	<b>99,950</b>
Refinery .....	264	5,380	10,863	1,716	2,162	20,385
Bulk Terminal .....	18,543	17,630	10,168	1,802	3,826	51,969
Pipeline .....	8,227	6,297	11,277	906	889	27,596
<b>GTAB</b> .....	<b>1,047</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1,047</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	1,047	--	--	--	--	1,047
Pipeline .....	--	--	--	--	--	--
<b>Other</b> .....	<b>9,318</b>	<b>6,306</b>	<b>29,390</b>	<b>1,310</b>	<b>6,173</b>	<b>52,497</b>
Refinery .....	1,896	5,869	15,096	1,307	5,717	29,885
Bulk Terminal .....	7,422	385	14,045	3	453	22,308
Pipeline .....	--	52	249	--	3	304
<b>Aviation Gasoline Blending Components</b> .....	<b>--</b>	<b>--</b>	<b>28</b>	<b>--</b>	<b>--</b>	<b>28</b>
Refinery .....	--	--	28	--	--	28
Bulk Terminal .....	--	--	--	--	--	--
<b>Finished Motor Gasoline</b> .....	<b>3,519</b>	<b>7,251</b>	<b>9,606</b>	<b>1,854</b>	<b>2,975</b>	<b>25,205</b>
Refinery .....	46	1,678	4,361	746	748	7,579
Bulk Terminal .....	1,525	2,733	3,843	776	2,023	10,900
Pipeline .....	1,948	2,840	1,402	332	204	6,726
<b>Reformulated</b> .....	<b>34</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>18</b>	<b>52</b>
Refinery .....	--	--	--	--	18	18
Bulk Terminal .....	34	--	--	--	--	34
Pipeline .....	--	--	--	--	--	--
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>34</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>18</b>	<b>52</b>
Refinery .....	--	--	--	--	18	18
Bulk Terminal .....	34	--	--	--	--	34
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, October 2020**  
(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>3,485</b>	<b>7,251</b>	<b>9,606</b>	<b>1,854</b>	<b>2,957</b>	<b>25,153</b>
Refinery .....	46	1,678	4,361	746	730	7,561
Bulk Terminal .....	1,491	2,733	3,843	776	2,023	10,866
Pipeline .....	1,948	2,840	1,402	332	204	6,726
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>—</b>	<b>113</b>	<b>—</b>	<b>79</b>	<b>12</b>	<b>204</b>
Refinery .....	—	—	—	77	—	77
Bulk Terminal .....	—	113	—	2	12	127
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>—</b>	<b>113</b>	<b>—</b>	<b>79</b>	<b>—</b>	<b>192</b>
Refinery .....	—	—	—	77	—	77
Bulk Terminal .....	—	113	—	2	—	115
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	12	12
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>3,485</b>	<b>7,138</b>	<b>9,606</b>	<b>1,775</b>	<b>2,945</b>	<b>24,949</b>
Refinery .....	46	1,678	4,361	669	730	7,484
Bulk Terminal .....	1,491	2,620	3,843	774	2,011	10,739
Pipeline .....	1,948	2,840	1,402	332	204	6,726
<b>Finished Aviation Gasoline</b> .....	<b>209</b>	<b>135</b>	<b>485</b>	<b>6</b>	<b>282</b>	<b>1,117</b>
Refinery .....	—	58	331	6	163	558
Bulk Terminal .....	209	77	154	—	119	559
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>8,842</b>	<b>6,916</b>	<b>12,516</b>	<b>676</b>	<b>8,686</b>	<b>37,636</b>
Refinery .....	229	1,794	4,762	282	2,982	10,049
Bulk Terminal .....	5,909	3,180	4,425	313	4,814	18,641
Pipeline .....	2,704	1,942	3,329	81	890	8,946
<b>Kerosene</b> .....	<b>2,097</b>	<b>189</b>	<b>212</b>	<b>1</b>	<b>9</b>	<b>2,508</b>
Refinery .....	81	91	102	1	1	276
Bulk Terminal .....	1,927	98	10	—	8	2,043
Pipeline .....	89	—	100	—	—	189
<b>Distillate Fuel Oil<sup>2</sup></b> .....	<b>62,662</b>	<b>27,159</b>	<b>50,943</b>	<b>2,958</b>	<b>11,611</b>	<b>155,333</b>
Refinery .....	1,270	5,679	13,268	1,215	4,799	26,231
Bulk Terminal .....	53,147	14,639	24,409	1,069	5,615	98,879
Pipeline .....	8,245	6,841	13,266	674	1,197	30,223
<b>15 ppm sulfur and Under</b> .....	<b>57,987</b>	<b>26,552</b>	<b>45,314</b>	<b>2,787</b>	<b>10,570</b>	<b>143,210</b>
Refinery .....	993	5,271	11,380	1,073	4,200	22,917
Bulk Terminal .....	49,388	14,605	21,325	1,042	5,281	91,641
Pipeline .....	7,606	6,676	12,609	672	1,089	28,652
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>1,495</b>	<b>196</b>	<b>1,127</b>	<b>145</b>	<b>332</b>	<b>3,295</b>
Refinery .....	63	30	570	116	238	1,017
Bulk Terminal .....	1,432	24	433	27	14	1,930
Pipeline .....	—	142	124	2	80	348
<b>Greater than 500 ppm sulfur</b> .....	<b>3,180</b>	<b>411</b>	<b>4,502</b>	<b>26</b>	<b>709</b>	<b>8,828</b>
Refinery .....	214	378	1,318	26	361	2,297
Bulk Terminal .....	2,327	10	2,651	—	320	5,308
Pipeline .....	639	23	533	—	28	1,223
<b>Residual Fuel Oil</b> .....	<b>8,643</b>	<b>1,219</b>	<b>16,498</b>	<b>181</b>	<b>4,697</b>	<b>31,238</b>
Refinery .....	344	868	3,212	181	1,820	6,425
Bulk Terminal .....	8,299	351	13,286	—	2,877	24,813
Pipeline .....	—	—	—	—	—	—
<b>Less than 0.31% Sulfur</b> .....	<b>1,029</b>	<b>53</b>	<b>1,233</b>	<b>29</b>	<b>815</b>	<b>3,159</b>
Refinery .....	18	51	28	29	23	149
Bulk Terminal .....	1,011	2	1,205	—	792	3,010
<b>0.31% to 1.00% Sulfur</b> .....	<b>2,469</b>	<b>285</b>	<b>3,931</b>	<b>3</b>	<b>422</b>	<b>7,110</b>
Refinery .....	127	169	534	3	122	955
Bulk Terminal .....	2,342	116	3,397	—	300	6,155
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>5,145</b>	<b>881</b>	<b>11,334</b>	<b>149</b>	<b>3,460</b>	<b>20,969</b>
Refinery .....	199	648	2,650	149	1,675	5,321
Bulk Terminal .....	4,946	233	8,684	—	1,785	15,648
<b>Petrochemical Feedstocks</b> .....	<b>—</b>	<b>453</b>	<b>2,052</b>	<b>—</b>	<b>2</b>	<b>2,507</b>
Refinery .....	—	453	2,052	—	2	2,507
Naphtha for Petrochemical Feedstock Use .....	—	347	1,450	—	2	1,799
Other Oils for Petrochemical Feedstock Use .....	—	106	602	—	—	708
<b>Special Naphthas</b> .....	<b>36</b>	<b>148</b>	<b>826</b>	<b>—</b>	<b>46</b>	<b>1,056</b>
Refinery .....	20	94	817	—	46	977
Bulk Terminal .....	16	54	9	—	—	79
<b>Lubricants</b> .....	<b>932</b>	<b>579</b>	<b>7,169</b>	<b>—</b>	<b>741</b>	<b>9,421</b>
Refinery .....	481	142	4,331	—	582	5,536
Bulk Terminal .....	451	437	2,838	—	159	3,885
<b>Waxes</b> .....	<b>248</b>	<b>60</b>	<b>218</b>	<b>—</b>	<b>—</b>	<b>526</b>
Refinery .....	248	60	218	—	—	526
<b>Petroleum Coke</b> .....	<b>—</b>	<b>2,015</b>	<b>4,723</b>	<b>150</b>	<b>1,246</b>	<b>8,134</b>
Refinery .....	—	2,015	4,723	150	1,246	8,134
<b>Asphalt and Road Oil</b> .....	<b>5,259</b>	<b>7,510</b>	<b>4,692</b>	<b>1,200</b>	<b>1,758</b>	<b>20,419</b>
Refinery .....	349	3,163	2,227	606	523	6,868
Bulk Terminal .....	4,910	4,347	2,465	594	1,235	13,551

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, October 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Miscellaneous Products</b> .....	<b>54</b>	<b>99</b>	<b>304</b>	<b>13</b>	<b>96</b>	<b>566</b>
Refinery .....	52	99	304	13	96	564
Bulk Terminal .....	2	—	—	—	—	2
Pipeline .....	—	—	—	—	—	—
<b>Total Stocks, All Oils</b> .....	<b>185,027</b>	<b>324,250</b>	<b>1,329,888</b>	<b>48,054</b>	<b>137,035</b>	<b>2,024,254</b>

— = Not Applicable.

— = 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.

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 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, October 2020**  
(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>34</b>	<b>1,537</b>	<b>1,571</b>	<b>16,324</b>	<b>29,172</b>	<b>45,496</b>	<b>2,008</b>
Connecticut	—	—	—	1,226	22	1,248	107
Delaware	—	—	—	815	227	1,042	48
District of Columbia	—	—	—	—	—	—	—
Florida	—	636	636	—	5,587	5,587	—
Georgia	—	317	317	—	2,725	2,725	—
Maine	—	—	—	317	312	629	210
Maryland	—	—	—	1,604	101	1,705	124
Massachusetts	5	—	5	1,542	—	1,542	53
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	38	38	6,629	8,807	15,436	453
New York	29	11	40	878	2,629	3,507	622
North Carolina	—	278	278	—	2,545	2,545	187
Pennsylvania	—	20	20	688	3,507	4,195	128
Rhode Island	—	—	—	1,004	—	1,004	—
South Carolina	—	150	150	—	1,227	1,227	13
Vermont	—	—	—	—	52	52	5
Virginia	—	34	34	1,621	1,295	2,916	58
West Virginia	—	53	53	—	136	136	—
<b>PAD District 2</b>	<b>—</b>	<b>4,411</b>	<b>4,411</b>	<b>3,918</b>	<b>29,264</b>	<b>33,182</b>	<b>189</b>
Illinois	—	531	531	1,988	4,025	6,013	79
Indiana	—	200	200	690	3,117	3,807	10
Iowa	—	255	255	—	1,875	1,875	—
Kansas	—	382	382	—	3,228	3,228	20
Kentucky	—	158	158	462	1,139	1,601	—
Michigan	—	150	150	48	2,922	2,970	—
Minnesota	—	453	453	1	2,219	2,220	—
Missouri	—	237	237	231	575	806	—
Nebraska	—	86	86	—	647	647	—
North Dakota	—	104	104	—	778	778	—
Ohio	—	909	909	1	3,500	3,501	26
Oklahoma	—	589	589	—	2,019	2,019	—
South Dakota	—	61	61	—	229	229	—
Tennessee	—	199	199	—	1,871	1,871	—
Wisconsin	—	97	97	497	1,120	1,617	54
<b>PAD District 3</b>	<b>—</b>	<b>8,204</b>	<b>8,204</b>	<b>6,399</b>	<b>50,172</b>	<b>56,571</b>	<b>112</b>
Alabama	—	134	134	14	1,350	1,364	2
Arkansas	—	163	163	—	785	785	—
Louisiana	—	1,987	1,987	145	12,518	12,663	78
Mississippi	—	1,012	1,012	21	2,133	2,154	—
New Mexico	—	24	24	—	514	514	—
Texas	—	4,884	4,884	6,219	32,872	39,091	32
<b>PAD District 4</b>	<b>—</b>	<b>1,522</b>	<b>1,522</b>	<b>—</b>	<b>4,828</b>	<b>4,828</b>	<b>1</b>
Colorado	—	313	313	—	1,178	1,178	—
Idaho	—	307	307	—	156	156	—
Montana	—	391	391	—	1,280	1,280	—
Utah	—	108	108	—	1,328	1,328	1
Wyoming	—	403	403	—	886	886	—
<b>PAD District 5</b>	<b>18</b>	<b>2,753</b>	<b>2,771</b>	<b>11,577</b>	<b>12,158</b>	<b>23,735</b>	<b>9</b>
Alaska	—	746	746	—	—	—	8
Arizona	—	87	87	650	394	1,044	—
California	18	198	216	10,469	5,833	16,302	1
Hawaii	—	650	650	—	727	727	—
Nevada	—	212	212	14	312	326	—
Oregon	—	80	80	—	1,349	1,349	—
Washington	—	780	780	444	3,543	3,987	—
<b>U.S. Total</b>	<b>52</b>	<b>18,427</b>	<b>18,479</b>	<b>38,218</b>	<b>125,594</b>	<b>163,812</b>	<b>2,319</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, October 2020**  
(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>50,381</b>	<b>1,495</b>	<b>2,541</b>	<b>54,417</b>	<b>8,643</b>	<b>7,102</b>
Connecticut	5,688	—	—	5,688	18	—
Delaware	569	27	82	678	696	8
District of Columbia	—	—	—	—	—	—
Florida	2,689	228	—	2,917	1,498	532
Georgia	1,548	—	—	1,548	174	13
Maine	2,507	5	26	2,538	64	—
Maryland	4,205	—	—	4,205	670	1
Massachusetts	2,354	55	341	2,750	162	—
New Hampshire	757	—	—	757	42	447
New Jersey	13,136	800	1,310	15,246	3,025	48
New York	6,622	58	90	6,770	1,582	2,179
North Carolina	1,151	—	5	1,156	—	475
Pennsylvania	4,718	3	144	4,865	286	1,975
Rhode Island	1,469	—	—	1,469	—	—
South Carolina	715	—	—	715	88	951
Vermont	107	—	—	107	—	—
Virginia	2,013	286	543	2,842	338	2
West Virginia	133	33	—	166	—	82
<b>PAD District 2</b>	<b>19,876</b>	<b>54</b>	<b>388</b>	<b>20,318</b>	<b>1,219</b>	<b>22,550</b>
Illinois	2,804	—	—	2,804	587	964
Indiana	2,100	—	120	2,220	63	327
Iowa	1,561	1	—	1,562	1	585
Kansas	2,059	—	—	2,059	27	12,090
Kentucky	920	3	—	923	—	274
Michigan	1,397	—	—	1,397	140	6,751
Minnesota	1,458	—	21	1,479	140	391
Missouri	526	20	5	551	—	212
Nebraska	553	—	—	553	—	379
North Dakota	898	1	—	899	26	51
Ohio	1,947	—	39	1,986	122	403
Oklahoma	1,531	21	90	1,642	48	57
South Dakota	321	—	—	321	—	20
Tennessee	865	—	—	865	62	2
Wisconsin	936	8	113	1,057	3	44
<b>PAD District 3</b>	<b>32,705</b>	<b>1,003</b>	<b>3,969</b>	<b>37,677</b>	<b>16,498</b>	<b>47,945</b>
Alabama	1,442	6	28	1,476	619	18
Arkansas	717	—	—	717	—	31
Louisiana	4,685	513	1,045	6,243	8,009	2,893
Mississippi	987	170	146	1,303	129	3,870
New Mexico	290	—	—	290	52	2
Texas	24,584	314	2,750	27,648	7,689	41,131
<b>PAD District 4</b>	<b>2,115</b>	<b>143</b>	<b>26</b>	<b>2,284</b>	<b>181</b>	<b>1,518</b>
Colorado	235	—	—	235	3	17
Idaho	225	—	—	225	—	—
Montana	905	101	—	1,006	66	15
Utah	398	11	26	435	56	1,418
Wyoming	352	31	—	383	56	68
<b>PAD District 5</b>	<b>9,481</b>	<b>252</b>	<b>681</b>	<b>10,414</b>	<b>4,697</b>	<b>3,031</b>
Alaska	912	—	73	985	24	4
Arizona	585	—	—	585	—	2,094
California	4,799	238	286	5,323	3,446	727
Hawaii	319	1	319	639	385	65
Nevada	357	—	3	360	—	—
Oregon	675	—	—	675	164	—
Washington	1,834	13	—	1,847	678	141
<b>U.S. Total</b>	<b>114,558</b>	<b>2,947</b>	<b>7,605</b>	<b>125,110</b>	<b>31,238</b>	<b>82,146</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 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, October 2020**  
(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>755</b>	<b>46</b>	<b>0</b>	<b>1,943</b>	<b>40,282</b>	<b>6,685</b>	<b>4,394</b>	<b>2,673</b>	<b>16,217</b>
<b>Petroleum Products</b> .....	<b>17,567</b>	<b>558</b>	<b>0</b>	<b>20,227</b>	<b>39,175</b>	<b>10,425</b>	<b>4,984</b>	<b>100,078</b>	<b>15,548</b>
Natural Gas Liquids .....	7,589	78	0	6,913	27,631	7,038	528	1,560	7,475
Ethane .....	5,309	0	—	0	11,400	953	—	0	588
Propane .....	1,261	0	0	4,898	8,721	3,187	175	1,531	1,746
Normal Butane .....	219	14	0	1,832	3,333	1,340	204	29	184
Isobutane .....	443	64	0	183	1,211	478	149	0	737
Natural Gasoline .....	357	0	—	0	2,966	1,080	—	0	4,220
Refinery Olefins .....	0	0	—	598	523	—	—	0	0
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	0	0	—	598	523	—	—	0	0
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	81	0	—	0	164	—	—	0	316
Motor Gasoline Blending Components .....	6,603	0	0	1,086	1,529	1,619	0	60,404	3,296
Reformulated - RBOB .....	0	0	0	0	165	—	0	7,582	1,029
Conventional .....	6,603	0	0	1,086	1,364	1,619	0	52,822	2,267
CBOB .....	6,603	0	0	1,086	1,259	1,619	0	52,604	2,219
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	105	—	—	218	48
Renewable Fuels .....	0	52	0	8,466	6,810	493	4,093	266	0
Fuel Ethanol .....	0	0	0	8,129	6,283	472	3,664	266	0
Renewable Diesel Fuel <sup>2</sup> .....	0	52	0	337	527	22	430	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	98	0	0	726	267	267	0	3,278	300
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	98	0	0	726	267	267	0	3,278	300
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	98	0	0	726	267	267	0	3,278	300
Finished Aviation Gasoline .....	0	0	—	0	0	—	—	99	28
Kerosene-Type Jet Fuel .....	308	0	0	32	52	338	0	6,921	1,574
Kerosene .....	—	0	—	0	0	—	—	39	—
Distillate Fuel Oil .....	2,888	0	0	1,250	914	645	0	26,354	2,128
15 ppm sulfur and under .....	2,888	0	0	1,250	914	645	0	25,578	2,055
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	—	0	—	—	—	73
Greater than 500 ppm sulfur .....	—	0	—	0	0	—	—	776	—
Residual Fuel Oil .....	0	404	—	0	395	—	—	143	0
Petrochemical Feedstocks .....	0	0	—	0	124	—	—	100	24
Naphtha for Petrochemical Feedstock Use .....	0	0	—	0	95	—	—	100	0
Other Oils for Petrochemical Feedstock Use .....	0	0	—	—	29	—	—	—	24
Special Naphthas .....	0	0	—	—	0	—	—	—	22
Lubricants .....	0	0	—	10	0	—	—	493	210
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	25	0	692	461	24	137	0	52
Asphalt and Road Oil .....	0	0	0	412	305	0	225	421	117
Miscellaneous Products .....	0	0	—	43	0	—	—	0	6
<b>Total</b> .....	<b>18,322</b>	<b>604</b>	<b>0</b>	<b>22,171</b>	<b>79,457</b>	<b>17,110</b>	<b>9,377</b>	<b>102,751</b>	<b>31,765</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, October 2020**  
(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> .....	<b>0</b>	<b>135</b>	<b>0</b>	<b>23,227</b>	<b>273</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>5,201</b>	<b>0</b>	<b>19,217</b>	<b>3,764</b>	<b>2,240</b>	<b>0</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	20	0	18,004	3,597	91	0	0	0
Ethane .....	0	—	0	4,466	1,624	—	0	0	0
Propane .....	0	0	0	7,030	881	85	0	0	0
Normal Butane .....	0	10	0	2,896	300	3	0	0	0
Isobutane .....	0	10	0	1,149	258	3	0	0	0
Natural Gasoline .....	0	—	0	2,463	534	—	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	3,630	0	104	0	980	0	0	0
Reformulated - RBOB .....	—	1,987	0	0	0	0	0	0	—
Conventional .....	0	1,643	0	104	0	980	0	0	0
CBOB .....	0	1,643	0	104	0	980	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	0	—	0	0	—
Renewable Fuels .....	0	425	0	0	0	83	0	0	0
Fuel Ethanol .....	0	0	0	0	0	83	0	0	0
Renewable Diesel Fuel <sup>2</sup> .....	0	425	0	0	0	0	0	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	463	0	374	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	463	0	374	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	463	0	374	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	234	0	0	0	27	0	0	0
Kerosene .....	—	—	0	—	0	—	0	0	—
Distillate Fuel Oil .....	0	813	0	344	0	321	0	0	0
15 ppm sulfur and under .....	0	813	0	344	0	321	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	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	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	0	0	—	—	0	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	—	0	0	0	—	0	0	—
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	0	0	0	109	177	0	0	0
Asphalt and Road Oil .....	0	79	0	302	57	187	0	0	0
Miscellaneous Products .....	—	—	0	0	0	—	0	0	—
<b>Total</b> .....	<b>0</b>	<b>5,336</b>	<b>0</b>	<b>42,444</b>	<b>4,037</b>	<b>2,240</b>	<b>0</b>	<b>0</b>	<b>0</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.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 2020**  
(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>188</b>	<b>46</b>	<b>153</b>	<b>39,739</b>	<b>6,685</b>	<b>132</b>	<b>16,217</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>17,168</b>	<b>0</b>	<b>8,260</b>	<b>29,346</b>	<b>9,907</b>	<b>76,958</b>	<b>13,258</b>	<b>0</b>	<b>4,677</b>
Natural Gas Liquids .....	7,449	0	5,721	26,928	7,038	1,398	6,966	0	-
Ethane .....	5,309	0	0	11,400	953	0	588	0	-
Propane .....	1,232	0	4,240	8,071	3,187	1,398	1,372	0	-
Normal Butane .....	163	0	1,481	3,308	1,340	0	184	0	-
Isobutane .....	388	0	0	1,183	478	0	602	0	-
Natural Gasoline .....	357	0	0	2,966	1,080	0	4,220	0	-
Motor Gasoline Blending Components .....	6,603	0	755	1,349	1,619	46,781	3,248	0	3,630
Reformulated - RBOB .....	0	0	0	165	-	7,582	1,029	-	1,987
Conventional .....	6,603	0	755	1,184	1,619	39,199	2,219	0	1,643
CBOB .....	6,603	0	755	1,184	1,619	39,199	2,219	0	1,643
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	-	-	-	-	-
Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	98	0	647	128	267	1,137	286	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	98	0	647	128	267	1,137	286	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	98	0	647	128	267	1,137	286	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	192	0	32	52	338	5,731	969	0	234
Kerosene .....	-	0	0	0	-	39	-	-	-
Distillate Fuel Oil .....	2,826	0	1,062	889	645	21,872	1,789	0	813
15 ppm sulfur and under .....	2,826	0	1,062	889	645	21,096	1,716	0	813
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	-	-	73	-	-
Greater than 500 ppm sulfur .....	-	0	0	0	-	776	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	0	-	43	-	-	0	0	-	-
<b>Total</b> .....	<b>17,356</b>	<b>46</b>	<b>8,413</b>	<b>69,085</b>	<b>16,592</b>	<b>77,090</b>	<b>29,475</b>	<b>0</b>	<b>4,677</b>

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 2020**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>23,227</b>	<b>273</b>	<b>—</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>18,915</b>	<b>3,597</b>	<b>1,702</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	18,004	3,597	—	0	0
Ethane .....	0	4,466	1,624	—	0	0
Propane .....	0	7,030	881	—	0	0
Normal Butane .....	0	2,896	300	—	0	0
Isobutane .....	0	1,149	258	—	0	0
Natural Gasoline .....	0	2,463	534	—	0	0
Motor Gasoline Blending Components .....	0	104	0	980	0	0
Reformulated - RBOB .....	0	0	0	0	0	—
Conventional .....	0	104	0	980	0	0
CBOB .....	0	104	0	980	0	0
GTAB .....	—	—	—	—	—	—
Other .....	—	—	—	—	—	—
Renewable Fuels .....	—	—	—	—	—	—
Fuel Ethanol .....	—	—	—	—	—	—
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	463	0	374	0	0
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	463	0	374	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	463	0	374	0	0
Finished Aviation Gasoline .....	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	0	0	0	27	0	0
Kerosene .....	0	—	0	—	0	—
Distillate Fuel Oil .....	0	344	0	321	0	0
15 ppm sulfur and under .....	0	344	0	321	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	0	0	—	0	—
Greater than 500 ppm sulfur .....	0	—	0	—	0	—
Residual Fuel Oil .....	—	—	—	—	—	—
Miscellaneous Products .....	0	0	—	—	—	—
<b>Total</b> .....	<b>0</b>	<b>42,142</b>	<b>3,870</b>	<b>1,702</b>	<b>0</b>	<b>0</b>

— = Not Applicable.

— = 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, October 2020**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>567</b>	<b>0</b>	<b>-</b>	<b>343</b>	<b>543</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>259</b>	<b>404</b>	<b>0</b>	<b>887</b>	<b>1,532</b>	<b>0</b>
Natural Gas Liquids .....	-	0	-	0	0	-
Ethane .....	-	-	-	-	-	-
Propane .....	-	0	-	0	0	-
Normal Butane .....	-	-	-	-	-	-
Isobutane .....	-	-	-	-	-	-
Natural Gasoline .....	-	-	-	-	-	-
Unfinished Oils .....	81	0	-	0	164	-
Motor Gasoline Blending Components .....	0	0	-	331	180	-
Reformulated - RBOB .....	-	-	-	-	-	-
Conventional .....	0	0	-	331	180	-
CBOB .....	0	0	-	331	75	-
GTAB .....	-	-	-	-	-	-
Other .....	0	0	-	0	105	-
Renewable Fuels .....	0	0	0	279	505	0
Fuel Ethanol .....	0	0	-	279	475	-
Renewable Diesel Fuel <sup>1</sup> .....	0	0	0	-	30	0
Other Renewable Fuels .....	-	-	-	-	-	-
Finished Motor Gasoline .....	0	0	-	79	139	-
Reformulated .....	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	0	0	-	79	139	-
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-
Conventional Other .....	0	0	-	79	139	-
Finished Aviation Gasoline .....	0	0	-	0	0	-
Kerosene-Type Jet Fuel .....	116	0	-	0	0	-
Kerosene .....	-	-	-	-	-	-
Distillate Fuel Oil .....	62	0	-	188	25	-
15 ppm sulfur and under .....	62	0	-	188	25	-
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-
Greater than 500 ppm sulfur .....	-	-	-	-	-	-
Residual Fuel Oil .....	0	404	-	0	395	-
Less than 0.31 percent sulfur .....	-	-	-	-	-	-
0.31 to 1.00 percent sulfur .....	0	404	-	0	281	-
Greater than 1.00 percent sulfur .....	0	0	-	-	114	-
Petrochemical Feedstocks .....	0	0	-	0	124	-
Naphtha for Petrochemical Feedstock Use .....	0	0	-	0	95	-
Other Oils for Petrochemical Feedstock Use .....	0	0	-	-	29	-
Special Naphthas .....	0	0	-	-	0	-
Lubricants .....	0	0	-	10	0	-
Waxes .....	-	-	-	-	-	-
Marketable Petroleum Coke .....	-	-	-	-	-	-
Asphalt and Road Oil .....	0	0	-	0	0	-
Miscellaneous Products .....	0	0	-	-	0	-
<b>Total</b> .....	<b>826</b>	<b>404</b>	<b>0</b>	<b>1,230</b>	<b>2,075</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, October 2020**  
(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>2,541</b>	—	<b>2,541</b>	—	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b>	<b>22,842</b>	—	<b>1,133</b>	<b>21,709</b>	<b>1,729</b>	<b>315</b>	<b>0</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids	23	—	—	23	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	23	—	—	23	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	0	—	—	—	316	—	0	0	0
Motor Gasoline Blending Components	13,623	—	218	13,405	48	—	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	13,623	—	218	13,405	48	—	0	0	0
CBOB	13,405	—	—	13,405	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	218	—	218	—	48	—	0	0	0
Renewable Fuels	266	—	—	266	0	315	0	0	0
Fuel Ethanol	266	—	—	266	0	—	0	0	0
Renewable Diesel Fuel <sup>1</sup>	—	—	—	—	0	315	—	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	2,141	—	—	2,141	14	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,141	—	—	2,141	14	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	2,141	—	—	2,141	14	—	0	0	0
Finished Aviation Gasoline	99	—	30	69	28	—	0	0	0
Kerosene-Type Jet Fuel	1,190	—	—	1,190	605	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	4,482	—	326	4,156	339	—	0	0	0
15 ppm sulfur and under	4,482	—	326	4,156	339	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	143	—	143	—	0	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	143	—	143	—	0	—	0	0	0
Greater than 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks	100	—	100	—	24	—	0	0	0
Naphtha for Petrochemical Feedstock Use	100	—	100	—	0	—	0	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	24	—	—	0	0
Special Naphthas	—	—	—	—	22	—	—	0	0
Lubricants	493	—	316	177	210	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	282	—	—	282	117	—	0	0	0
Miscellaneous Products	—	—	—	—	6	—	—	0	0
<b>Total</b>	<b>25,383</b>	—	<b>3,674</b>	<b>21,709</b>	<b>1,729</b>	<b>315</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, October 2020**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	–	0	1,447	0	–	4,394
Propane .....	29	0	0	0	658	650	0	175
Propylene .....	0	0	–	–	598	523	–	–
Normal Butane .....	56	14	0	0	351	25	0	204
Isobutane .....	55	64	0	0	183	28	0	149
Fuel Ethanol .....	0	0	0	0	7,850	5,808	472	3,664
Biodiesel .....	0	52	0	0	337	497	22	430
Marketable Petroleum Coke .....	0	25	0	0	692	461	24	137
Asphalt and Road Oil .....	0	0	0	0	412	305	0	225

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	–	135	0	0	0	0
Propane .....	110	374	0	0	0	0	0	85
Propylene .....	0	0	–	–	0	0	0	–
Normal Butane .....	29	0	0	10	0	0	0	3
Isobutane .....	0	135	0	10	0	0	0	3
Fuel Ethanol .....	0	0	0	0	0	0	0	83
Biodiesel .....	0	0	0	110	0	0	0	0
Marketable Petroleum Coke .....	0	52	0	0	0	0	109	177
Asphalt and Road Oil .....	139	0	0	79	0	302	57	187

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	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	0	0	0
Asphalt and Road Oil .....	0	0	0	0

– = No Data Reported.  
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, October 2020**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	188	567	0	755
3 .....	46	0	0	46
4 .....	0	—	—	0
5 .....	—	—	0	0
<b>From 2 to</b>				
1 .....	153	343	1,447	1,943
3 .....	39,739	543	0	40,282
4 .....	6,685	—	—	6,685
5 .....	—	—	4,394	4,394
<b>From 3 to</b>				
1 .....	132	2,541	0	2,673
2 .....	16,217	0	0	16,217
4 .....	0	—	—	0
5 .....	—	—	135	135
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	23,227	0	0	23,227
3 .....	273	0	0	273
5 .....	—	—	0	0
<b>From 5 to</b>				
1 .....	0	0	0	0
2 .....	0	0	0	0
3 .....	0	0	0	0
4 .....	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, October 2020**  
(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>4,616</b>	<b>801</b>	<b>3,815</b>	<b>40,199</b>	<b>53,304</b>	<b>-13,105</b>	<b>40,601</b>	<b>19,025</b>	<b>21,576</b>
<b>Petroleum Products</b>	<b>120,305</b>	<b>18,125</b>	<b>102,179</b>	<b>52,332</b>	<b>74,810</b>	<b>-22,478</b>	<b>43,497</b>	<b>120,828</b>	<b>-77,331</b>
Natural Gas Liquids	8,473	7,667	806	33,068	42,110	-9,042	31,306	9,055	22,251
Ethane	0	5,309	-5,309	10,363	12,353	-1,990	13,024	588	12,436
Propane	6,429	1,261	5,168	10,037	16,981	-6,944	9,602	3,277	6,325
Normal Butane	1,861	233	1,628	3,299	6,709	-3,410	3,647	223	3,424
Isobutane	183	507	-324	2,329	2,021	308	1,533	747	786
Natural Gasoline	0	357	-357	7,040	4,046	2,994	3,500	4,220	-720
Refinery Olefins	598	0	598	0	1,121	-1,121	523	0	523
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	598	0	598	0	1,121	-1,121	523	0	523
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	81	-81	397	164	233	164	316	-152
Motor Gasoline Blending Components	61,490	6,603	54,887	10,003	4,234	5,769	1,529	67,330	-65,801
Reformulated - RBOB	7,582	0	7,582	1,029	165	864	165	10,598	-10,433
Conventional	53,908	6,603	47,305	8,974	4,069	4,905	1,364	56,732	-55,368
CBOB	53,690	6,603	47,087	8,926	3,964	4,962	1,259	56,466	-55,207
GTAB	0	0	-	-	-	-	-	-	-
Other	218	0	218	48	105	-57	105	266	-161
Renewable Fuels	8,732	52	8,680	0	19,862	-19,862	6,861	691	6,170
Fuel Ethanol	8,395	0	8,395	0	18,547	-18,547	6,283	266	6,017
Renewable Diesel Fuel <sup>2</sup>	337	52	285	0	1,315	-1,315	578	425	153
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	4,004	98	3,906	861	1,260	-399	267	3,578	-3,311
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	4,004	98	3,906	861	1,260	-399	267	3,578	-3,311
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	4,004	98	3,906	861	1,260	-399	267	3,578	-3,311
Finished Aviation Gasoline	99	0	99	28	0	28	0	127	-127
Kerosene-Type Jet Fuel	6,953	308	6,645	1,882	422	1,460	52	8,729	-8,677
Kerosene	39	0	39	0	0	-	0	39	-39
Distillate Fuel Oil	27,604	2,888	24,716	5,360	2,809	2,551	914	29,295	-28,381
15 ppm sulfur and under	26,828	2,888	23,940	5,287	2,809	2,478	914	28,446	-27,532
Greater than 15 ppm to 500 ppm sulfur	0	0	-	73	0	73	0	73	-73
Greater than 500 ppm sulfur	776	0	776	0	0	-	0	776	-776
Residual Fuel Oil	143	404	-261	0	395	-395	799	143	656
Petrochemical Feedstocks	100	0	100	24	124	-100	124	124	0
Naphtha for Petrochemical Feedstock Use	100	0	100	0	95	-95	95	100	-5
Other Oils for Petrochemical Feedstock Use	-	-	-	24	29	-5	29	24	5
Special Naphthas	0	0	-	22	0	22	0	22	-22
Lubricants	503	0	503	210	10	200	0	703	-703
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	692	25	667	52	1,314	-1,262	595	52	543
Asphalt and Road Oil	833	0	833	419	942	-523	362	617	-255
Miscellaneous Products	43	0	43	6	43	-37	0	6	-6
<b>Total</b>	<b>124,921</b>	<b>18,926</b>	<b>105,995</b>	<b>92,531</b>	<b>128,114</b>	<b>-35,583</b>	<b>84,098</b>	<b>139,853</b>	<b>-55,755</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, October 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>6,685</b>	<b>23,500</b>	<b>-16,815</b>	<b>4,528</b>	<b>0</b>	<b>4,528</b>
<b>Petroleum Products</b> .....	<b>10,425</b>	<b>25,220</b>	<b>-14,796</b>	<b>12,425</b>	<b>0</b>	<b>12,425</b>
Natural Gas Liquids .....	7,038	21,692	-14,654	639	0	639
Ethane .....	953	6,090	-5,137	0	0	—
Propane .....	3,187	7,996	-4,809	260	0	260
Normal Butane .....	1,340	3,199	-1,859	217	0	217
Isobutane .....	478	1,410	-932	162	0	162
Natural Gasoline .....	1,080	2,997	-1,917	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 .....	1,619	1,084	535	4,610	0	4,610
Reformulated - RBOB .....	—	—	—	1,987	0	1,987
Conventional .....	1,619	1,084	535	2,623	0	2,623
CBOB .....	1,619	1,084	535	2,623	0	2,623
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	0	0	—
Renewable Fuels .....	493	83	410	4,601	0	4,601
Fuel Ethanol .....	472	83	389	3,746	0	3,746
Renewable Diesel Fuel <sup>2</sup> .....	22	0	22	855	0	855
Other Renewable Fuels .....	0	0	—	0	0	—
Finished Motor Gasoline .....	267	837	-570	374	0	374
Reformulated .....	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	0	0	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	267	837	-570	374	0	374
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 .....	267	837	-570	374	0	374
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	338	27	311	261	0	261
Kerosene .....	0	0	—	0	0	—
Distillate Fuel Oil .....	645	665	-20	1,134	0	1,134
15 ppm sulfur and under .....	645	665	-20	1,134	0	1,134
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 .....	24	286	-262	315	0	315
Asphalt and Road Oil .....	0	546	-546	492	0	492
Miscellaneous Products .....	0	0	—	0	0	—
<b>Total</b> .....	<b>17,110</b>	<b>48,720</b>	<b>-31,611</b>	<b>16,954</b>	<b>0</b>	<b>16,954</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.

## 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.

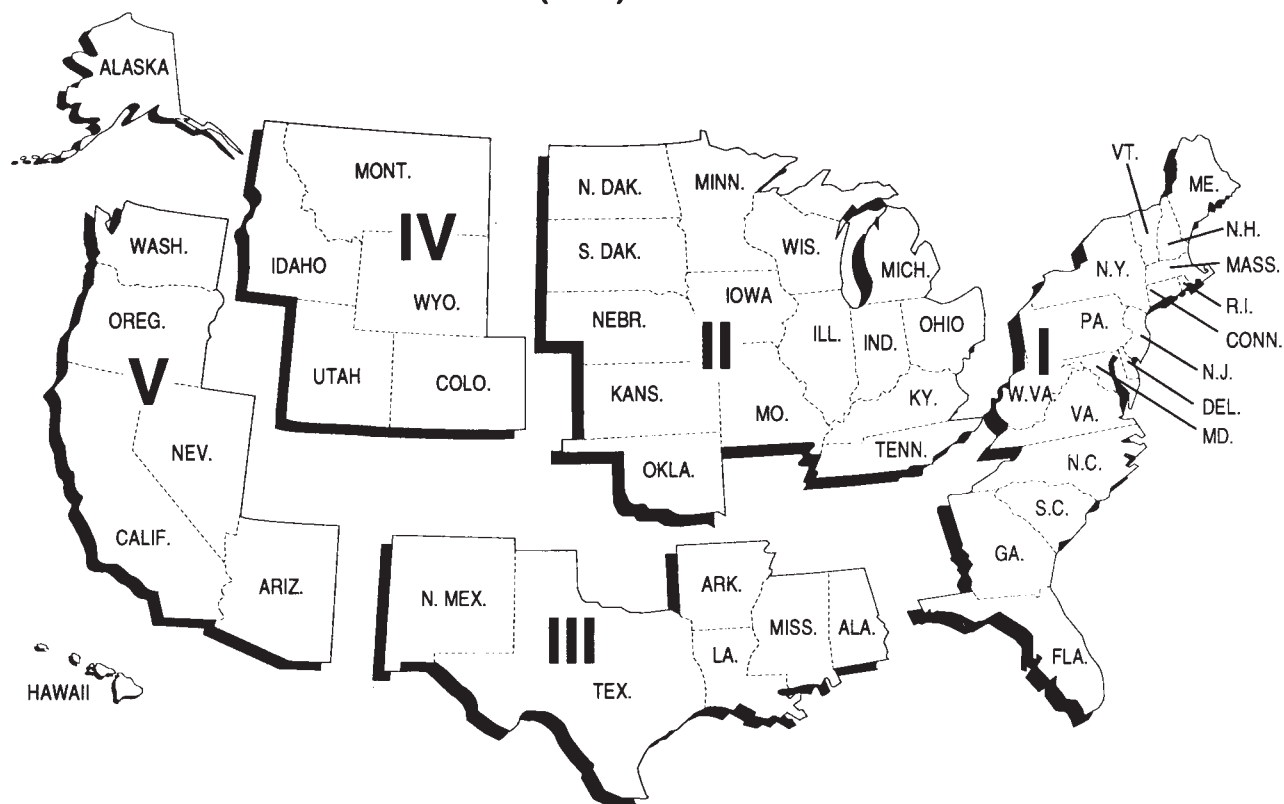
### PAD District IV

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

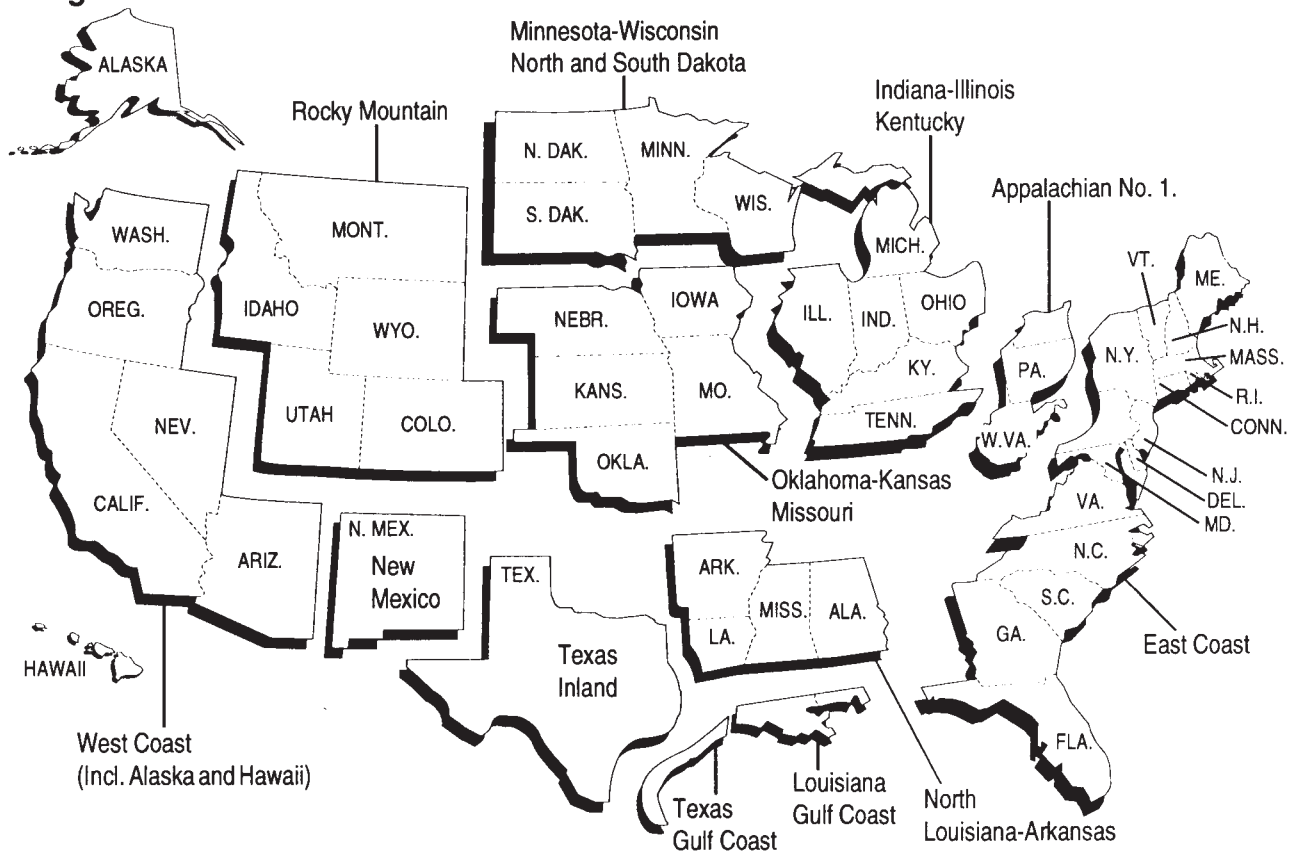
### PAD District V

**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) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels. The reports are produced by the Office of Petroleum and Biofuel Statistics of the U.S. Energy Information Administration (EIA).

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.

## Appendix B. Explanatory Notes

### 1. Overview

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

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to 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 and PSA are used for calculation 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 product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, renewable fuels and oxygenate production plants, imports, exports, , and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, renewable fuels and oxygenate plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but 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, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually

consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

#### 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, the Mineral Management Service of the U.S. Department of the Interior and Form EIA-914 “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. 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 fuel ethanol, Ethyl Tertiary Butyl Ether (ETBE), Methyl Tertiary Butyl Ether (MTBE), other fuel oxygenates, and biodiesel. This supply category also includes natural gasoline, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants and blended at fuel ethanol plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month. Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA- 815. Refinery and Blender Net Production equals refinery

and blenders production minus refinery and blender 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 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 62.

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. EIA calculated adjustment quantities to balance supply and disposition for selected products or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items 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, hydrocarbon gas liquids, hydrogen, renewable fuels, and other hydrocarbons) 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).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender 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 values indicate 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, EIA assumed product supplied for crude oil 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 midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at

refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, 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 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 crude oil 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 on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbb1\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbb1_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\\_mbb1\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbb1_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 collected on Form EIA-914 as well as production data 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 hydrocarbon 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 six 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 and Fractionator 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 Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey,"
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."

13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Oxygenate Report"
16. 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: <https://www.eia.gov/survey/>

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 an 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.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

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 and unfinished oils only.

The Form EIA-815, "Monthly Bulk Terminal 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 an 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.

## (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 Bulk Terminal 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 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. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 97 percent calculated as total reports received divided by total reports expected.

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 in HTML format on eia.gov. 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 data 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/](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 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 and select products by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt 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-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no

STB data are available.

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 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 data html 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 natural gasoline 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. 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. 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. 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. 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 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). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

## 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 petroleum data tables (<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 petroleum data tables.

## 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. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810

through 813, 815 through 817, 819, 820, and 22M 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

aggregated and published from these 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.

## 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	86
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 August 2020)

**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, reformat, 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 ( $C_4H_{10}$ ).** 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 ( $C_4H_{10}$ ).** 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 ( $C_4H_{10}$ ).** 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 ( $C_4H_8$ ).** 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 ( $C_4H_{10}$ ).** 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 ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane ( $C_6H_{14}$ ).** 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 ( $C_4$ ), an alkylation process feedstock, and normal pentane and hexane into isopentane ( $C_5$ ) and isohexane ( $C_6$ ), 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 ( $CH_3OH$ ).** 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 and former members (with years of membership) include Algeria (1969-present), Angola (2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (1973-1992 and 2007-2019), Equatorial Guinea (2017-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 (1961-2018), 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 raw materials. Includes coal tar derivatives and gilsonite. Included hydrogen in data prior to January 2009 and excluded hydrogen thereafter. Excludes natural gas used for fuel or hydrogen feedstock.

**Other Oils Equal To or Greater Than 401° F.** See *Petrochemical Feedstocks*.

**Other Oxygenates.** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

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

**Oxygenates.** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**Fuel Ethanol.** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

**Methanol.** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

**MTBE (Methyl tertiary butyl ether).** Blends up to 15.0

percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

**Pentanes Plus.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Persian Gulf.** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

**Petrochemical Feedstocks.** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

**Naphtha Less Than 401° F.** A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

**Other Oils Equal To or Greater Than 401° F.** Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

**Petroleum Administration for Defense (PAD) Districts.** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

**Petroleum Coke.** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Catalyst Coke.** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

**Marketable Coke.** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including

interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane ( $C_3H_8$ ).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene ( $C_3H_6$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene ( $C_3H_6$ ) (nonfuel use).** Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Refinery-Grade Butane.** See *Butane*.

**Refinery Input, Crude Oil.** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

**Refinery Input, Total.** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

**Refinery Production.** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

**Refinery Yield.** Represents the percent of finished product produced from input of crude oil, hydrogen, and other hydrocarbons, and net input of unfinished oils. Except for finished motor gasoline, finished aviation gasoline, and distillate fuel oil, EIA calculates refinery yield equal to net production of a finished petroleum product divided by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished motor gasoline, subtract input of natural gas liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components from net production of finished motor gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished aviation gasoline, subtract net input of aviation gasoline blending components from net production of finished aviation gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of distillate fuel oil, subtract input of renewable fuels except fuel ethanol (including input of biodiesel, renewable diesel fuel, and other renewable fuels) from distillate fuel oil net production and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. Prior to data for January 2009, EIA calculated refinery yields (except for finished motor gasoline) equal to finished product net production divided by the sum of input of crude oil and net input of unfinished oils. EIA calculated refinery yield of finished motor gasoline equal to net production of finished motor gasoline minus the sum of input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components divided by the sum of input of crude oil and net input of unfinished oils.

**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.