



# Petroleum Supply Annual, Volume 1 with data for 2022

August 2023

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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>4,347,377</b>	<b>153,315</b>	--	--	<b>2,292,673</b>	<b>130,913</b>	<b>-212,734</b>	<b>5,831,695</b>	<b>1,305,317</b>	<b>0</b>	<b>802,132</b>
<b>Hydrocarbon Gas Liquids</b>	<b>2,165,567</b>	<b>-113,819</b>	<b>-8,136</b>	<b>223,128</b>	<b>63,602</b>	--	<b>18,097</b>	<b>207,362</b>	<b>879,446</b>	<b>1,225,438</b>	<b>211,150</b>
Natural Gas Liquids	2,165,567	-113,819	-8,136	128,445	58,054	--	18,307	207,362	879,446	1,124,997	209,277
Ethane	878,012	--	--	2,274	--	--	-9,658	--	152,884	737,060	53,546
Propane	682,884	-284	--	103,236	41,899	--	12,803	--	510,681	304,251	76,642
Normal Butane	204,295	-5,539	--	28,182	13,423	--	8,207	63,122	151,253	17,779	41,765
Isobutane	156,311	-2,172	--	-5,247	2,679	--	2,519	81,118	2,027	65,907	12,193
Natural Gasoline	244,065	-105,824	-8,136	--	53	--	4,436	63,122	62,601	0	25,131
Refinery Olefins	--	--	--	94,683	5,548	--	-210	--	--	100,441	1,873
Ethylene	--	--	--	288	--	--	0	--	--	288	0
Propylene	--	--	--	96,111	4,611	--	-59	--	--	100,781	1,338
Normal Butylene	--	--	--	-1,969	937	--	-122	--	--	-910	519
Isobutylene	--	--	--	253	--	--	-29	--	--	282	16
<b>Other Liquids</b>	--	<b>-39,496</b>	<b>444,878</b>	--	<b>404,923</b>	<b>80,992</b>	<b>2,375</b>	<b>663,981</b>	<b>163,234</b>	<b>61,707</b>	<b>325,138</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	444,884	--	13,963	70,890	2,876	428,076	36,947	61,838	31,550
Hydrogen	--	--	--	--	--	80,919	--	80,919	--	0	--
Biofuels (including Fuel Ethanol)	--	--	444,884	--	13,963	-10,169	2,882	347,011	36,947	61,838	31,540
Fuel Ethanol <sup>5</sup>	--	--	365,731	--	1,645	-10,169	2,209	323,722	31,276	0	24,245
Biofuels (excluding Fuel Ethanol)	--	--	79,153	--	12,318	--	673	23,289	5,671	61,838	7,296
Biodiesel	--	--	38,620	--	5,950	--	-580	16,290	5,671	23,188	3,608
Renewable Diesel Fuel	--	--	35,692	--	6,254	--	1,053	4,529	NA	36,364	3,405
Other Biofuels <sup>6</sup>	--	--	4,841	--	114	--	200	2,470	NA	2,286	282
Other Hydrocarbons	--	--	--	--	--	140	-6	146	--	0	10
Unfinished Oils	--	-39,496	--	--	194,310	--	6,682	49,674	98,458	0	86,382
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	--	-5	--	196,650	10,103	-7,191	186,108	27,830	0	207,172
Reformulated	--	--	-1	--	57,590	77,818	415	134,954	38	0	47,772
Conventional	--	--	-4	--	139,060	-67,715	-7,606	51,154	27,792	0	159,400
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	8	123	--	-131	33
<b>Finished Petroleum Products</b>	--	--	<b>2,376</b>	<b>6,856,645</b>	<b>278,822</b>	<b>67</b>	<b>-5,411</b>	--	<b>1,126,741</b>	<b>6,016,579</b>	<b>256,203</b>
Finished Motor Gasoline	--	--	2,272	3,492,647	36,547	67	-577	--	316,497	3,215,613	17,238
Reformulated	--	--	--	1,077,117	--	-69,343	-2	--	--	1,007,776	20
Conventional	--	--	2,272	2,415,530	36,547	69,410	-575	--	316,497	2,207,837	17,218
Finished Aviation Gasoline	--	--	--	4,051	423	--	55	--	--	4,419	1,306
Kerosene-Type Jet Fuel	--	--	86	589,578	43,707	--	-759	--	64,835	569,294	35,039
Kerosene	--	--	0	4,397	118	--	-120	--	2,719	1,916	2,181
Distillate Fuel Oil <sup>5</sup>	--	--	19	1,828,961	68,628	--	-11,140	--	439,413	1,469,334	118,899
15 ppm sulfur and under	--	--	19	1,749,926	66,612	--	-11,452	--	368,941	1,459,068	108,743
Greater than 15 to 500 ppm sulfur	--	--	0	34,702	1,514	--	-286	--	33,458	3,044	2,499
Greater than 500 ppm sulfur	--	--	0	44,333	502	--	598	--	37,014	7,223	7,657
Residual Fuel Oil	--	--	--	91,764	73,643	--	4,969	--	40,205	120,233	30,739
Less than 0.31 percent sulfur	--	--	--	14,892	2,488	--	240	--	NA	NA	2,780
0.31 to 1.00 percent sulfur	--	--	--	40,777	12,098	--	-141	--	NA	NA	6,171
Greater than 1.00 percent sulfur	--	--	--	36,095	59,057	--	4,870	--	NA	NA	21,788
Petrochemical Feedstocks	--	--	--	80,875	5,739	--	-152	--	14,244	72,522	2,388
Naphtha for Petro. Feed. Use	--	--	--	45,932	4,562	--	-99	--	--	50,593	1,783
Other Oils for Petro. Feed. Use	--	--	--	34,943	1,177	--	-53	--	14,244	21,929	605
Special Naphthas	--	--	--	11,915	5,044	--	-29	--	--	16,988	1,019
Lubricants	--	--	--	57,670	17,853	--	374	--	34,765	40,384	13,385
Waxes	--	--	--	1,945	2,117	--	52	--	1,655	2,355	601
Petroleum Coke	--	--	--	294,585	3,469	--	54	--	205,537	92,463	6,874
Marketable	--	--	--	222,208	3,469	--	54	--	205,537	20,086	6,874
Catalyst	--	--	--	72,377	--	--	--	--	--	72,377	--
Asphalt and Road Oil	--	--	--	124,300	21,534	--	1,592	--	6,187	138,055	25,532
Still Gas	--	--	--	241,363	--	--	--	--	--	241,363	--
Miscellaneous Products	--	--	--	32,594	--	--	270	--	683	31,641	1,002
<b>Total</b>	<b>6,512,944</b>	<b>0</b>	<b>439,119</b>	<b>7,079,773</b>	<b>3,040,020</b>	<b>211,972</b>	<b>-197,672</b>	<b>6,703,038</b>	<b>3,474,738</b>	<b>7,303,725</b>	<b>1,594,622</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

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

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

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. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>11,911</b>	<b>420</b>	--	--	<b>6,281</b>	<b>359</b>	<b>-583</b>	<b>15,977</b>	<b>3,576</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>5,933</b>	<b>-312</b>	<b>-22</b>	<b>611</b>	<b>174</b>	--	<b>50</b>	<b>568</b>	<b>2,409</b>	<b>3,357</b>
Natural Gas Liquids	5,933	-312	-22	352	159	--	50	568	2,409	3,082
Ethane	2,406	--	--	6	--	--	-26	--	419	2,019
Propane	1,871	-1	--	283	115	--	35	--	1,399	834
Normal Butane	560	-15	--	77	37	--	22	173	414	49
Isobutane	428	-6	--	-14	7	--	7	222	6	181
Natural Gasoline	669	-290	-22	--	0	--	12	173	172	0
Refinery Olefins	--	--	--	259	15	--	-1	--	--	275
Ethylene	--	--	--	1	--	--	0	--	--	1
Propylene	--	--	--	263	13	--	0	--	--	276
Normal Butylene	--	--	--	-5	3	--	0	--	--	-2
Isobutylene	--	--	--	1	--	--	0	--	--	1
<b>Other Liquids</b>	--	<b>-108</b>	<b>1,219</b>	--	<b>1,109</b>	<b>222</b>	<b>7</b>	<b>1,819</b>	<b>447</b>	<b>169</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,219	--	38	194	8	1,173	101	169
Hydrogen	--	--	--	--	--	222	--	222	--	0
Biofuels (including Fuel Ethanol)	--	--	1,219	--	38	-28	8	951	101	169
Fuel Ethanol <sup>5</sup>	--	--	1,002	--	5	-28	6	887	86	0
Biofuels (excluding Fuel Ethanol)	--	--	217	--	34	--	2	64	16	169
Biodiesel	--	--	106	--	16	--	-2	45	16	64
Renewable Diesel Fuel	--	--	98	--	17	--	3	12	NA	100
Other Biofuels <sup>6</sup>	--	--	13	--	0	--	1	7	NA	6
Other Hydrocarbons	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	-108	--	--	532	--	18	136	270	0
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	--	0	--	539	28	-20	510	76	0
Reformulated	--	--	0	--	158	213	1	370	0	0
Conventional	--	--	0	--	381	-186	-21	140	76	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>7</b>	<b>18,785</b>	<b>764</b>	<b>0</b>	<b>-15</b>	--	<b>3,087</b>	<b>16,484</b>
Finished Motor Gasoline	--	--	6	9,569	100	0	-2	--	867	8,810
Reformulated	--	--	--	2,951	--	-190	0	--	--	2,761
Conventional	--	--	6	6,618	100	190	-2	--	867	6,049
Finished Aviation Gasoline	--	--	--	11	1	--	0	--	1	12
Kerosene-Type Jet Fuel	--	--	0	1,615	120	--	-2	--	178	1,560
Kerosene	--	--	0	12	0	--	0	--	7	5
Distillate Fuel Oil <sup>5</sup>	--	--	0	5,011	188	--	-31	--	1,204	4,026
15 ppm sulfur and under	--	--	0	4,794	182	--	-31	--	1,011	3,997
Greater than 15 to 500 ppm sulfur	--	--	0	95	4	--	-1	--	92	8
Greater than 500 ppm sulfur	--	--	0	121	1	--	2	--	101	20
Residual Fuel Oil	--	--	--	251	202	--	14	--	110	329
Less than 0.31 percent sulfur	--	--	--	41	7	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	112	33	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	99	162	--	13	--	NA	NA
Petrochemical Feedstocks	--	--	--	222	16	--	0	--	39	199
Naphtha for Petro. Feed. Use	--	--	--	126	12	--	0	--	--	139
Other Oils for Petro. Feed. Use	--	--	--	96	3	--	0	--	39	60
Special Naphthas	--	--	--	33	14	--	0	--	--	47
Lubricants	--	--	--	158	49	--	1	--	95	111
Waxes	--	--	--	5	6	--	0	--	5	6
Petroleum Coke	--	--	--	807	10	--	0	--	563	253
Marketable	--	--	--	609	10	--	0	--	563	55
Catalyst	--	--	--	198	--	--	--	--	--	198
Asphalt and Road Oil	--	--	--	341	59	--	4	--	17	378
Still Gas	--	--	--	661	--	--	--	--	--	661
Miscellaneous Products	--	--	--	89	--	--	1	--	2	87
<b>Total</b>	<b>17,844</b>	<b>0</b>	<b>1,203</b>	<b>19,397</b>	<b>8,329</b>	<b>581</b>	<b>-542</b>	<b>18,364</b>	<b>9,520</b>	<b>20,010</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

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

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>21,200</b>	<b>17,798</b>	--	--	<b>216,995</b>	<b>36,415</b>	<b>-4,209</b>	<b>217</b>	<b>272,360</b>	<b>15,621</b>	<b>0</b>	<b>7,612</b>
<b>Hydrocarbon Gas Liquids</b>	<b>231,111</b>	<b>-15,684</b>	<b>-106</b>	<b>7,727</b>	<b>14,585</b>	<b>27,003</b>	--	<b>-595</b>	<b>14,669</b>	<b>92,361</b>	<b>158,201</b>	<b>9,708</b>
Natural Gas Liquids	231,111	-15,684	-106	3,273	11,467	23,311	--	-489	14,669	92,361	146,831	9,555
Ethane	94,193	--	--	--	--	-62,158	--	176	--	25,872	5,987	860
Propane	79,686	--	--	5,006	10,769	74,622	--	-681	--	48,865	121,898	6,839
Normal Butane	24,167	--	--	-1,158	496	18,013	--	71	10,596	16,850	14,001	1,514
Isobutane	10,911	--	--	-575	202	-4,076	--	4	1,506	8	4,944	140
Natural Gasoline	22,154	-15,684	-106	--	--	-3,089	--	-59	2,567	766	0	202
Refinery Olefins	--	--	--	4,454	3,118	3,692	--	-106	--	--	11,370	153
Ethylene	--	--	--	186	--	--	--	--	--	--	186	--
Propylene	--	--	--	3,764	3,118	3,692	--	-9	--	--	10,583	137
Normal Butylene	--	--	--	0	--	--	--	-84	--	--	84	0
Isobutylene	--	--	--	504	--	--	--	-13	--	--	517	16
<b>Other Liquids</b>	--	<b>-2,114</b>	<b>5,837</b>	--	<b>179,278</b>	<b>723,402</b>	<b>117,549</b>	<b>-4,460</b>	<b>1,024,188</b>	<b>2,989</b>	<b>1,235</b>	<b>65,100</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	5,837	--	3,100	106,825	11,756	1,065	123,212	2,005	1,235	8,139
Hydrogen	--	--	--	--	--	--	1,120	--	--	--	0	--
Biofuels (including Fuel Ethanol)	--	--	5,837	--	3,100	106,825	10,636	1,065	122,092	2,005	1,235	8,139
Fuel Ethanol <sup>6</sup>	--	--	4,174	--	444	104,833	10,636	1,007	117,577	1,503	0	7,034
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	--	1,663	--	2,656	1,992	--	59	4,515	503	1,235	1,106
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-2,114	--	--	13,891	-51	--	-115	11,250	591	0	3,457
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	162,287	616,628	105,793	-5,410	889,726	392	0	53,504
Reformulated	--	--	--	--	55,558	96,847	25,303	-286	177,985	9	0	19,097
Conventional	--	--	--	--	106,729	519,781	80,490	-5,124	711,741	383	0	34,407
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>6</b>	<b>1,316,454</b>	<b>134,916</b>	<b>519,255</b>	<b>-116,429</b>	<b>-10,155</b>	--	<b>24,405</b>	<b>1,839,953</b>	<b>60,405</b>
Finished Motor Gasoline	--	--	--	1,153,142	27,657	27,830	-116,429	-22	--	845	1,091,377	2,894
Reformulated	--	--	--	424,520	--	--	-30,202	-1	--	--	394,319	5
Conventional	--	--	--	728,622	27,657	27,830	-86,227	-21	--	845	697,058	2,889
Finished Aviation Gasoline	--	--	--	--	247	884	--	-41	--	--	1,172	206
Kerosene-Type Jet Fuel	--	--	--	32,447	11,490	169,375	--	-200	--	790	212,722	8,957
Kerosene	--	--	--	788	100	283	--	-155	--	46	1,280	1,659
Distillate Fuel Oil <sup>6</sup>	--	--	6	79,472	55,187	297,201	--	-10,180	--	7,958	434,088	34,402
15 ppm sulfur and under	--	--	6	80,946	54,951	286,930	--	-9,127	--	6,083	425,877	32,015
Greater than 15 to 500 ppm sulfur	--	--	--	95	174	73	--	-444	--	1,422	-636	591
Greater than 500 ppm sulfur	--	--	--	-1,569	62	10,198	--	-609	--	453	8,847	1,796
Residual Fuel Oil	--	--	--	15,104	24,504	265	--	1,070	--	2,305	36,498	5,611
Less than 0.31 percent sulfur	--	--	--	-86	1,608	93	--	-14	--	NA	NA	293
0.31 to 1.00 percent sulfur	--	--	--	11,612	8,107	--	--	-451	--	NA	NA	842
Greater than 1.00 percent sulfur	--	--	--	3,578	14,789	172	--	1,535	--	NA	NA	4,476
Petrochemical Feedstocks	--	--	--	--	1,124	-31	--	--	--	882	211	--
Naphtha for Petro. Feed. Use	--	--	--	--	1,112	--	--	--	--	--	1,112	--
Other Oils for Petro. Feed. Use	--	--	--	--	12	-31	--	--	--	882	-901	--
Special Naphthas	--	--	--	118	121	25	--	33	--	--	231	61
Lubricants	--	--	--	4,512	1,525	5,945	--	45	--	2,742	9,195	1,540
Waxes	--	--	--	-124	1,144	--	--	-14	--	918	116	221
Petroleum Coke	--	--	--	8,182	12	4,108	--	--	--	6,609	5,693	--
Marketable	--	--	--	3,030	12	4,108	--	--	--	6,609	541	--
Catalyst	--	--	--	5,152	--	--	--	--	--	--	5,152	--
Asphalt and Road Oil	--	--	--	11,719	11,805	13,370	--	-690	--	1,094	36,490	4,788
Still Gas	--	--	--	10,006	--	--	--	--	--	--	10,006	--
Miscellaneous Products	--	--	--	1,088	--	--	--	-1	--	215	874	66
<b>Total</b>	<b>252,311</b>	<b>0</b>	<b>5,737</b>	<b>1,324,181</b>	<b>545,774</b>	<b>1,306,076</b>	<b>-3,089</b>	<b>-14,993</b>	<b>1,311,217</b>	<b>135,376</b>	<b>1,999,388</b>	<b>142,825</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 4. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>58</b>	<b>49</b>	--	--	<b>595</b>	<b>100</b>	<b>-12</b>	<b>1</b>	<b>746</b>	<b>43</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>633</b>	<b>-43</b>	<b>0</b>	<b>21</b>	<b>40</b>	<b>74</b>	--	<b>-2</b>	<b>40</b>	<b>253</b>	<b>433</b>
Natural Gas Liquids	633	-43	0	9	31	64	--	-1	40	253	402
Ethane	258	--	--	--	--	-170	--	0	--	71	16
Propane	218	--	--	14	30	204	--	-2	--	--	334
Normal Butane	66	--	--	-3	1	49	--	0	29	--	38
Isobutane	30	--	--	-2	1	-11	--	0	4	0	14
Natural Gasoline	61	-43	0	--	--	-8	--	0	7	2	0
Refinery Olefins	--	--	--	12	9	10	--	0	--	--	31
Ethylene	--	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	--	10	9	10	--	0	--	--	29
Normal Butylene	--	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	1	--	--	--	0	--	--	1
<b>Other Liquids</b>	--	<b>-6</b>	<b>16</b>	--	<b>491</b>	<b>1,982</b>	<b>322</b>	<b>-12</b>	<b>2,806</b>	<b>8</b>	<b>3</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	16	--	8	293	32	3	338	5	3
Hydrogen	--	--	--	--	--	--	3	--	3	--	0
Biofuels (including Fuel Ethanol)	--	--	16	--	8	293	29	3	334	5	3
Fuel Ethanol <sup>6</sup>	--	--	11	--	1	287	29	3	322	4	0
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	--	5	--	7	5	--	0	12	1	3
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-6	--	--	38	0	--	0	31	2	0
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>	--	--	--	--	445	1,689	290	-15	2,438	1	0
Reformulated	--	--	--	--	152	265	69	-1	488	0	0
Conventional	--	--	--	--	292	1,424	221	-14	1,950	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>0</b>	<b>3,607</b>	<b>370</b>	<b>1,423</b>	<b>-319</b>	<b>-28</b>	--	<b>67</b>	<b>5,041</b>
Finished Motor Gasoline	--	--	--	3,159	76	76	-319	0	--	2	2,990
Reformulated	--	--	--	1,163	--	--	-83	0	--	--	1,080
Conventional	--	--	--	1,996	76	76	-236	0	--	2	1,910
Finished Aviation Gasoline	--	--	--	--	1	2	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	--	89	31	464	--	-1	--	2	583
Kerosene	--	--	--	2	0	1	--	0	--	0	4
Distillate Fuel Oil <sup>6</sup>	--	--	0	218	151	814	--	-28	--	22	1,189
15 ppm sulfur and under	--	--	0	222	151	786	--	-25	--	17	1,167
Greater than 15 to 500 ppm sulfur	--	--	--	0	0	0	--	-1	--	4	-2
Greater than 500 ppm sulfur	--	--	--	-4	0	28	--	-2	--	1	24
Residual Fuel Oil	--	--	--	41	67	1	--	3	--	6	100
Less than 0.31 percent sulfur	--	--	--	0	4	0	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	32	22	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	10	41	0	--	4	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	3	0	--	--	--	2	1
Naphtha for Petro. Feed. Use	--	--	--	--	3	--	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	--	0	0	--	--	--	2	-2
Special Naphthas	--	--	--	0	0	0	--	0	--	--	1
Lubricants	--	--	--	12	4	16	--	0	--	8	25
Waxes	--	--	--	0	3	--	--	0	--	3	0
Petroleum Coke	--	--	--	22	0	11	--	--	--	18	16
Marketable	--	--	--	8	0	11	--	--	--	18	1
Catalyst	--	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	--	32	32	37	--	-2	--	3	100
Still Gas	--	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	--	3	--	--	--	0	--	1	2
<b>Total</b>	<b>691</b>	<b>0</b>	<b>16</b>	<b>3,628</b>	<b>1,495</b>	<b>3,578</b>	<b>-8</b>	<b>-41</b>	<b>3,592</b>	<b>371</b>	<b>5,478</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 5. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels)

Commodity	Supply							Disposition					Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>606,283</b>	<b>1,433</b>	--	--	<b>1,035,155</b>	<b>-214,644</b>	<b>-16,146</b>	<b>-10,513</b>	<b>1,397,836</b>	<b>24,759</b>	<b>0</b>	<b>107,006</b>	
<b>Hydrocarbon Gas Liquids</b>	<b>402,760</b>	<b>-26,838</b>	<b>-7,668</b>	<b>41,291</b>	<b>27,030</b>	<b>-176,531</b>	--	<b>2,532</b>	<b>38,568</b>	<b>88,457</b>	<b>130,486</b>	<b>52,444</b>	
Natural Gas Liquids	402,760	-26,838	-7,668	26,220	24,651	-166,784	--	2,709	38,568	88,457	122,606	52,061	
Ethane	147,326	--	--	--	--	-74,927	--	-738	--	25,484	47,653	6,195	
Propane	138,293	--	--	27,693	16,300	-113,914	--	1,677	--	1,679	65,016	23,115	
Normal Butane	46,796	--	--	1,470	5,962	-42,833	--	1,248	7,545	1,494	1,108	10,101	
Isobutane	23,599	--	--	-2,943	2,339	7,388	--	-331	21,856	30	8,828	2,021	
Natural Gasoline	46,746	-26,838	-7,668	--	50	57,501	--	853	9,167	59,770	0	10,629	
Refinery Olefins	--	--	--	15,071	2,379	-9,747	--	-177	--	--	7,880	383	
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--	
Propylene	--	--	--	14,437	1,493	-9,747	--	-81	--	--	6,264	372	
Normal Butylene	--	--	--	634	886	--	--	-96	--	--	1,616	11	
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0	
<b>Other Liquids</b>	--	<b>25,405</b>	<b>379,369</b>	--	<b>6,329</b>	<b>-168,657</b>	<b>-24,962</b>	<b>-2,226</b>	<b>161,397</b>	<b>39,480</b>	<b>18,833</b>	<b>68,013</b>	
Hydrogen/Biofuels/Other Hydrocarbons	--	--	379,374	--	1,060	-226,993	-15,639	435	106,776	11,758	18,833	11,065	
Hydrogen	--	--	--	--	--	--	13,807	--	13,807	--	0	--	
Biofuels (including Fuel Ethanol)	--	--	379,374	--	1,060	-226,993	-29,586	441	92,823	11,758	18,833	11,055	
Fuel Ethanol	--	--	345,383	--	--	-217,960	-29,586	445	88,011	9,382	0	9,826	
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	--	33,991	--	1,060	-9,034	--	-4	4,812	2,376	18,833	1,230	
Other Hydrocarbons	--	--	--	--	--	--	140	-6	146	--	0	10	
Unfinished Oils	--	25,405	--	--	--	-7,962	--	303	-9,188	26,328	0	13,573	
Motor Gasoline Blend.Comp. (MGBC)	--	--	-5	--	5,269	66,298	-9,322	-2,964	63,809	1,395	0	43,375	
Reformulated	--	--	0	--	--	13,574	8,457	-314	22,345	--	0	4,335	
Conventional	--	--	-4	--	5,269	52,724	-17,779	-2,650	41,464	1,395	0	39,039	
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Finished Petroleum Products</b>	--	--	<b>1,577</b>	<b>1,636,270</b>	<b>17,826</b>	<b>9,588</b>	<b>38,909</b>	<b>988</b>	--	<b>13,267</b>	<b>1,689,915</b>	<b>55,369</b>	
Finished Motor Gasoline	--	--	1,609	897,095	--	7,969	38,909	-1,165	--	4,250	942,497	3,237	
Reformulated	--	--	--	120,763	--	--	-6,887	--	--	--	113,876	--	
Conventional	--	--	1,609	776,332	--	7,969	45,795	-1,165	--	4,250	828,620	3,237	
Finished Aviation Gasoline	--	--	--	233	48	262	--	31	--	--	512	203	
Kerosene-Type Jet Fuel	--	--	--	95,447	34	9,235	--	-19	--	232	104,503	6,802	
Kerosene	--	--	0	1,422	--	26	--	-39	--	10	1,477	98	
Distillate Fuel Oil	--	--	-32	428,878	3,534	25,465	--	-156	--	1,821	456,181	28,940	
15 ppm sulfur and under	--	--	-32	428,776	3,343	23,972	--	-367	--	8	456,418	28,138	
Greater than 15 to 500 ppm sulfur	--	--	0	1,364	55	1,444	--	161	--	437	2,265	397	
Greater than 500 ppm sulfur	--	--	0	-1,262	136	49	--	50	--	1,375	-2,502	405	
Residual Fuel Oil	--	--	--	13,473	1,460	-10,428	--	231	--	11	4,263	1,188	
Less than 0.31 percent sulfur	--	--	--	934	--	-1,013	--	168	--	NA	--	219	
0.31 to 1.00 percent sulfur	--	--	--	5,441	109	-3,829	--	48	--	NA	--	244	
Greater than 1.00 percent sulfur	--	--	--	7,098	1,351	-5,586	--	15	--	NA	--	725	
Petrochemical Feedstocks	--	--	--	10,398	1,773	-922	--	-4	--	22	11,231	528	
Naphtha for Petro. Feed. Use	--	--	--	6,065	1,041	-757	--	-19	--	--	6,368	393	
Other Oils for Petro. Feed. Use	--	--	--	4,333	732	-165	--	15	--	22	4,863	135	
Special Naphthas	--	--	--	-314	85	99	--	8	--	--	-138	160	
Lubricants	--	--	--	2,454	2,571	2,175	--	39	--	2,285	4,876	760	
Waxes	--	--	--	426	155	--	--	7	--	428	146	47	
Petroleum Coke	--	--	--	67,321	261	-11,769	--	1,117	--	3,381	51,315	2,619	
Marketable	--	--	--	50,192	261	-11,769	--	1,117	--	3,381	34,186	2,619	
Catalyst	--	--	--	17,129	--	--	--	--	--	--	17,129	--	
Asphalt and Road Oil	--	--	--	62,419	7,905	-12,614	--	823	--	813	56,074	10,548	
Still Gas	--	--	--	51,261	--	--	--	--	--	--	51,261	--	
Miscellaneous Products	--	--	--	5,757	--	90	--	115	--	14	5,718	239	
<b>Total</b>	<b>1,009,043</b>	<b>0</b>	<b>373,278</b>	<b>1,677,561</b>	<b>1,086,340</b>	<b>-550,244</b>	<b>-2,199</b>	<b>-9,219</b>	<b>1,597,801</b>	<b>165,962</b>	<b>1,839,234</b>	<b>282,831</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels 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 biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels 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> .....	1,661	4	--	--	2,836	-588	-44	-29	3,830	68	0
<b>Hydrocarbon Gas Liquids</b> .....	1,103	-74	-21	113	74	-484	--	7	106	242	357
Natural Gas Liquids .....	1,103	-74	-21	72	68	-457	--	7	106	242	336
Ethane .....	404	--	--	--	--	-205	--	-2	--	70	131
Propane .....	379	--	--	76	45	-312	--	5	--	5	178
Normal Butane .....	128	--	--	4	16	-117	--	3	21	4	3
Isobutane .....	65	--	--	-8	6	20	--	-1	60	0	24
Natural Gasoline .....	128	-74	-21	--	0	158	--	2	25	164	0
Refinery Olefins .....	--	--	--	41	7	-27	--	0	--	--	22
Ethylene .....	--	--	--	--	--	--	--	--	--	--	--
Propylene .....	--	--	--	40	4	-27	--	0	--	--	17
Normal Butylene .....	--	--	--	2	2	--	--	0	--	--	4
Isobutylene .....	--	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b> .....	--	70	1,039	--	17	-462	-68	-6	442	108	52
Hydrogen/Biofuels/Other Hydrocarbons .....	--	--	1,039	--	3	-622	-43	1	293	32	52
Hydrogen .....	--	--	--	--	--	--	38	--	38	--	0
Biofuels (including Fuel Ethanol) .....	--	--	1,039	--	3	-622	-81	1	254	32	52
Fuel Ethanol .....	--	--	946	--	--	-597	-81	1	241	26	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup> .....	--	--	93	--	3	-25	--	0	13	7	52
Other Hydrocarbons .....	--	--	--	--	--	--	0	0	0	--	0
Unfinished Oils .....	--	70	--	--	--	-22	--	1	-25	72	0
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	0	--	14	182	-26	-8	175	4	0
Reformulated .....	--	--	0	--	--	37	23	-1	61	--	0
Conventional .....	--	--	0	--	14	144	-49	-7	114	4	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	4	4,483	49	26	107	3	--	36	4,630
Finished Motor Gasoline .....	--	--	4	2,458	--	22	107	-3	--	12	2,582
Reformulated .....	--	--	--	331	--	--	-19	--	--	--	312
Conventional .....	--	--	4	2,127	--	22	125	-3	--	12	2,270
Finished Aviation Gasoline .....	--	--	--	1	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel .....	--	--	--	261	0	25	--	0	--	1	286
Kerosene .....	--	--	0	4	--	0	--	0	--	0	4
Distillate Fuel Oil .....	--	--	0	1,175	10	70	--	0	--	5	1,250
15 ppm sulfur and under .....	--	--	0	1,175	9	66	--	-1	--	0	1,250
Greater than 15 to 500 ppm sulfur ....	--	--	0	4	0	4	--	0	--	1	6
Greater than 500 ppm sulfur .....	--	--	0	-3	0	0	--	0	--	4	-7
Residual Fuel Oil .....	--	--	--	37	4	-29	--	1	--	0	12
Less than 0.31 percent sulfur .....	--	--	--	3	--	-3	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	--	15	0	-10	--	0	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	--	19	4	-15	--	0	--	NA	NA
Petrochemical Feedstocks .....	--	--	--	28	5	-3	--	0	--	0	31
Naphtha for Petro. Feed. Use .....	--	--	--	17	3	-2	--	0	--	--	17
Other Oils for Petro. Feed. Use .....	--	--	--	12	2	0	--	0	--	0	13
Special Naphthas .....	--	--	--	-1	0	0	--	0	--	--	0
Lubricants .....	--	--	--	7	7	6	--	0	--	6	13
Waxes .....	--	--	--	1	0	--	--	0	--	1	0
Petroleum Coke .....	--	--	--	184	1	-32	--	3	--	9	141
Marketable .....	--	--	--	138	1	-32	--	3	--	9	94
Catalyst .....	--	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil .....	--	--	--	171	22	-35	--	2	--	2	154
Still Gas .....	--	--	--	140	--	--	--	--	--	--	140
Miscellaneous Products .....	--	--	--	16	--	0	--	0	--	0	16
<b>Total</b> .....	<b>2,765</b>	<b>0</b>	<b>1,023</b>	<b>4,596</b>	<b>2,976</b>	<b>-1,508</b>	<b>-6</b>	<b>-25</b>	<b>4,378</b>	<b>455</b>	<b>5,039</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels 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 biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>3,115,721</b>	<b>103,620</b>	--	--	<b>459,923</b>	<b>384,807</b>	<b>149,460</b>	<b>-203,785</b>	<b>3,154,907</b>	<b>1,262,409</b>	<b>0</b>	<b>615,091</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,312,686</b>	<b>-49,194</b>	<b>-174</b>	<b>154,876</b>	<b>99</b>	<b>316,959</b>	--	<b>16,983</b>	<b>138,202</b>	<b>678,351</b>	<b>901,716</b>	<b>139,033</b>
Natural Gas Liquids	1,312,686	-49,194	-174	82,786	48	310,904	--	16,879	138,202	678,351	823,624	137,791
Ethane	575,387	--	--	2,274	--	200,537	--	-8,833	--	101,520	685,511	45,455
Propane	394,780	--	--	56,676	16	93,172	--	12,435	--	449,970	82,239	42,813
Normal Butane	99,585	--	--	26,300	30	42,371	--	6,778	38,819	123,533	-844	26,706
Isobutane	107,111	--	--	-2,464	--	7,012	--	2,897	50,080	1,963	56,719	9,311
Natural Gasoline	135,823	-49,194	-174	--	2	-32,188	--	3,602	49,303	1,364	0	13,506
Refinery Olefins	--	--	--	72,090	51	6,055	--	104	--	--	78,092	1,242
Ethylene	--	--	--	102	--	--	--	0	--	--	102	0
Propylene	--	--	--	75,518	--	6,055	--	26	--	--	81,547	805
Normal Butylene	--	--	--	-3,279	51	--	--	94	--	--	-3,322	437
Isobutylene	--	--	--	-251	--	--	--	-16	--	--	-235	0
<b>Other Liquids</b>	--	<b>-54,426</b>	<b>38,824</b>	--	<b>175,383</b>	<b>-680,281</b>	<b>-13,816</b>	<b>5,664</b>	<b>-677,053</b>	<b>114,307</b>	<b>22,766</b>	<b>127,364</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	38,824	--	1,161	56,300	51,330	487	104,696	19,535	22,897	6,045
Hydrogen	--	--	--	--	--	--	46,998	--	46,998	--	0	--
Biofuels (including Fuel Ethanol)	--	--	38,824	--	1,161	56,300	4,332	487	57,698	19,535	22,897	6,045
Fuel Ethanol	--	--	8,431	--	--	59,253	4,332	579	53,697	17,740	0	4,470
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	--	30,393	--	1,161	-2,954	--	-92	4,001	1,795	22,897	1,575
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-54,426	--	--	158,093	7,737	--	6,497	34,366	70,541	0	47,644
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	16,129	-744,318	-65,146	-1,328	-816,238	24,231	0	73,642
Reformulated	--	--	--	--	417	-133,403	42,128	-507	-90,363	12	0	8,986
Conventional	--	--	--	--	15,712	-610,915	-107,274	-821	-725,875	24,219	0	64,656
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	8	123	--	-131	33
<b>Finished Petroleum Products</b>	--	--	<b>68</b>	<b>2,675,307</b>	<b>69,113</b>	<b>-550,316</b>	<b>60,814</b>	<b>1,976</b>	--	<b>997,079</b>	<b>1,255,931</b>	<b>97,961</b>
Finished Motor Gasoline	--	--	0	792,645	179	-32,653	60,814	999	--	300,242	519,744	7,768
Reformulated	--	--	--	166,072	--	--	-33,238	--	--	--	132,834	--
Conventional	--	--	0	626,573	179	-32,653	94,052	999	--	300,242	386,911	7,768
Finished Aviation Gasoline	--	--	--	3,383	98	-1,146	--	44	--	--	2,291	551
Kerosene-Type Jet Fuel	--	--	--	301,683	124	-189,484	--	-1,467	--	56,229	57,561	9,595
Kerosene	--	--	--	2,107	--	-309	--	95	--	2,455	-752	409
Distillate Fuel Oil	--	--	68	1,071,783	328	-338,588	--	-854	--	405,117	329,328	38,554
15 ppm sulfur and under	--	--	68	1,001,400	193	-326,824	--	-1,920	--	345,053	331,704	32,707
Greater than 15 to 500 ppm sulfur	--	--	0	28,826	25	-1,517	--	47	--	29,738	-2,451	1,131
Greater than 500 ppm sulfur	--	--	--	41,557	110	-10,247	--	1,019	--	30,326	75	4,716
Residual Fuel Oil	--	--	--	29,967	44,261	10,163	--	2,930	--	30,892	50,569	18,640
Less than 0.31 percent sulfur	--	--	--	11,489	880	920	--	470	--	NA	NA	1,541
0.31 to 1.00 percent sulfur	--	--	--	15,344	2,021	3,829	--	-157	--	NA	NA	4,227
Greater than 1.00 percent sulfur	--	--	--	3,134	41,360	5,414	--	2,617	--	NA	NA	12,872
Petrochemical Feedstocks	--	--	--	70,477	2,493	953	--	-146	--	12,795	61,274	1,860
Naphtha for Petro. Feed. Use	--	--	--	39,867	2,060	757	--	-78	--	--	42,762	1,390
Other Oils for Petro. Feed. Use	--	--	--	30,610	433	196	--	-68	--	12,795	18,512	470
Special Naphthas	--	--	--	11,760	4,502	-124	--	-84	--	--	16,222	766
Lubricants	--	--	--	46,568	13,406	-7,908	--	212	--	27,215	24,639	10,058
Waxes	--	--	--	1,643	467	--	--	59	--	257	1,794	333
Petroleum Coke	--	--	--	165,507	3,196	10,121	--	-952	--	157,499	22,277	2,894
Marketable	--	--	--	128,594	3,196	10,121	--	-952	--	157,499	-14,636	2,894
Catalyst	--	--	--	36,913	--	--	--	--	--	--	36,913	--
Asphalt and Road Oil	--	--	--	28,279	59	-1,252	--	974	--	3,930	22,182	5,930
Still Gas	--	--	--	129,841	--	--	--	--	--	--	129,841	--
Miscellaneous Products	--	--	--	19,664	--	-90	--	166	--	447	18,961	603
<b>Total</b>	<b>4,428,407</b>	<b>0</b>	<b>38,718</b>	<b>2,830,183</b>	<b>704,518</b>	<b>-528,832</b>	<b>196,458</b>	<b>-179,163</b>	<b>2,616,056</b>	<b>3,052,146</b>	<b>2,180,412</b>	<b>979,449</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>8,536</b>	<b>284</b>	--	--	<b>1,260</b>	<b>1,054</b>	<b>409</b>	<b>-558</b>	<b>8,644</b>	<b>3,459</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>3,596</b>	<b>-135</b>	<b>0</b>	<b>424</b>	<b>0</b>	<b>868</b>	--	<b>47</b>	<b>379</b>	<b>1,858</b>	<b>2,470</b>
Natural Gas Liquids	3,596	-135	0	227	0	852	--	46	379	1,858	2,257
Ethane	1,576	--	--	6	--	549	--	-24	--	278	1,878
Propane	1,082	--	--	155	0	255	--	34	--	1,233	225
Normal Butane	273	--	--	72	0	116	--	19	106	338	-2
Isobutane	293	--	--	-7	--	19	--	8	137	5	155
Natural Gasoline	372	-135	0	--	0	-88	--	10	135	4	0
Refinery Olefins	--	--	--	198	0	17	--	0	--	--	214
Ethylene	--	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	--	207	--	17	--	0	--	--	223
Normal Butylene	--	--	--	-9	0	--	--	0	--	--	-9
Isobutylene	--	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	--	<b>-149</b>	<b>106</b>	--	<b>481</b>	<b>-1,864</b>	<b>-38</b>	<b>16</b>	<b>-1,855</b>	<b>313</b>	<b>62</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	106	--	3	154	141	1	287	54	63
Hydrogen	--	--	--	--	--	--	129	--	129	--	0
Biofuels (including Fuel Ethanol)	--	--	106	--	3	154	12	1	158	54	63
Fuel Ethanol	--	--	23	--	--	162	12	2	147	49	0
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	--	83	--	3	-8	--	0	11	5	63
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-149	--	--	433	21	--	18	94	193	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	44	-2,039	-178	-4	-2,236	66	0
Reformulated	--	--	--	--	1	-365	115	-1	-248	0	0
Conventional	--	--	--	--	43	-1,674	-294	-2	-1,989	66	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>0</b>	<b>7,330</b>	<b>189</b>	<b>-1,508</b>	<b>167</b>	<b>5</b>	--	<b>2,732</b>	<b>3,441</b>
Finished Motor Gasoline	--	--	0	2,172	0	-89	167	3	--	823	1,424
Reformulated	--	--	--	455	--	--	-91	--	--	--	364
Conventional	--	--	0	1,717	0	-89	258	3	--	823	1,060
Finished Aviation Gasoline	--	--	--	9	0	-3	--	0	--	--	6
Kerosene-Type Jet Fuel	--	--	--	827	0	-519	--	-4	--	154	158
Kerosene	--	--	--	6	--	-1	--	0	--	7	-2
Distillate Fuel Oil	--	--	0	2,936	1	-928	--	-2	--	1,110	902
15 ppm sulfur and under	--	--	0	2,744	1	-895	--	-5	--	945	909
Greater than 15 to 500 ppm sulfur	--	--	0	79	0	-4	--	0	--	81	-7
Greater than 500 ppm sulfur	--	--	--	114	0	-28	--	3	--	83	0
Residual Fuel Oil	--	--	--	82	121	28	--	8	--	85	139
Less than 0.31 percent sulfur	--	--	--	31	2	3	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	42	6	10	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	9	113	15	--	7	--	NA	NA
Petrochemical Feedstocks	--	--	--	193	7	3	--	0	--	35	168
Naphtha for Petro. Feed. Use	--	--	--	109	6	2	--	0	--	--	117
Other Oils for Petro. Feed. Use	--	--	--	84	1	1	--	0	--	35	51
Special Naphthas	--	--	--	32	12	0	--	0	--	--	44
Lubricants	--	--	--	128	37	-22	--	1	--	75	68
Waxes	--	--	--	5	1	--	--	--	--	1	5
Petroleum Coke	--	--	--	453	9	28	--	-3	--	432	61
Marketable	--	--	--	352	9	28	--	-3	--	432	-40
Catalyst	--	--	--	101	--	--	--	--	--	--	101
Asphalt and Road Oil	--	--	--	77	0	-3	--	3	--	11	61
Still Gas	--	--	--	356	--	--	--	--	--	--	356
Miscellaneous Products	--	--	--	54	--	0	--	0	--	1	52
<b>Total</b>	<b>12,133</b>	<b>0</b>	<b>106</b>	<b>7,754</b>	<b>1,930</b>	<b>-1,449</b>	<b>538</b>	<b>-491</b>	<b>7,167</b>	<b>8,362</b>	<b>5,974</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>316,928</b>	<b>3,983</b>	--	--	<b>143,415</b>	<b>-236,810</b>	<b>-15,873</b>	<b>93</b>	<b>211,549</b>	<b>0</b>	<b>0</b>	<b>24,421</b>
<b>Hydrocarbon Gas Liquids</b>	<b>193,705</b>	<b>-2,297</b>	<b>-121</b>	<b>4,016</b>	<b>5,133</b>	<b>-180,519</b>	--	<b>-1,064</b>	<b>6,254</b>	<b>405</b>	<b>14,322</b>	<b>6,117</b>
Natural Gas Liquids	193,705	-2,297	-121	2,620	5,133	-180,519	--	-1,066	6,254	405	12,928	6,039
Ethane	61,098	--	--	--	--	-63,452	--	-263	--	1	-2,092	1,036
Propane	67,242	--	--	2,512	4,848	-58,986	--	-438	--	10	16,044	2,395
Normal Butane	26,790	--	--	143	262	-23,787	--	-410	2,419	26	1,373	1,411
Isobutane	11,647	--	--	-35	22	-12,070	--	-13	1,974	--	-2,397	425
Natural Gasoline	26,928	-2,297	-121	--	1	-22,224	--	58	1,861	368	0	772
Refinery Olefins	--	--	--	1,396	--	--	--	2	--	--	1,394	78
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	463	--	--	--	7	--	--	456	10
Normal Butylene	--	--	--	933	--	--	--	-5	--	--	938	68
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>-1,687</b>	<b>8,715</b>	--	<b>760</b>	<b>11,147</b>	<b>3,263</b>	<b>134</b>	<b>19,088</b>	<b>142</b>	<b>2,835</b>	<b>9,897</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	8,715	--	112	4,438	4,002	202	14,112	118	2,835	622
Hydrogen	--	--	--	--	--	--	2,448	--	2,448	--	0	--
Biofuels (including Fuel Ethanol)	--	--	8,715	--	112	4,438	1,554	202	11,664	118	2,835	622
Fuel Ethanol	--	--	5,171	--	7	4,121	1,554	5	10,846	2	0	384
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	--	3,544	--	105	318	--	198	818	116	2,835	238
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-1,687	--	--	83	--	--	217	-1,823	2	0	2,995
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	565	6,709	-739	-285	6,799	21	0	6,280
Reformulated	--	--	--	--	--	40	-40	--	--	--	--	--
Conventional	--	--	--	--	565	6,669	-699	-285	6,799	21	0	6,280
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>-5</b>	<b>242,911</b>	<b>3,004</b>	<b>-2,537</b>	<b>-815</b>	<b>-933</b>	--	<b>183</b>	<b>243,307</b>	<b>7,802</b>
Finished Motor Gasoline	--	--	--	125,878	20	-4,217	-815	-445	--	9	121,302	1,137
Reformulated	--	--	--	--	--	--	44	0	--	--	44	--
Conventional	--	--	--	125,878	20	-4,217	-860	-445	--	9	121,257	1,137
Finished Aviation Gasoline	--	--	--	49	6	--	--	0	--	--	55	9
Kerosene-Type Jet Fuel	--	--	--	12,527	311	7,598	--	63	--	1	20,372	755
Kerosene	--	--	--	4	--	--	--	1	--	--	3	2
Distillate Fuel Oil	--	--	-5	71,716	1,624	1,420	--	-821	--	1	75,574	3,705
15 ppm sulfur and under	--	--	-5	71,031	1,621	1,420	--	-788	--	0	74,854	3,509
Greater than 15 to 500 ppm sulfur	--	--	--	703	--	--	--	-15	--	1	717	148
Greater than 500 ppm sulfur	--	--	--	-18	3	--	--	-18	--	--	3	48
Residual Fuel Oil	--	--	--	3,927	90	--	--	-2	--	--	4,019	210
Less than 0.31 percent sulfur	--	--	--	2,009	--	--	--	4	--	NA	NA	26
0.31 to 1.00 percent sulfur	--	--	--	425	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	--	1,493	90	--	--	-6	--	NA	NA	180
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	3	--	--	--	--	--	3	--
Lubricants	--	--	--	--	--	--	--	--	--	149	-149	--
Waxes	--	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	--	7,453	--	-1,945	--	-40	--	0	5,548	97
Marketable	--	--	--	4,936	--	-1,945	--	-40	--	0	3,031	97
Catalyst	--	--	--	2,517	--	--	--	--	--	--	2,517	--
Asphalt and Road Oil	--	--	--	12,183	950	-5,393	--	312	--	22	7,405	1,871
Still Gas	--	--	--	7,716	--	--	--	--	--	--	7,716	--
Miscellaneous Products	--	--	--	1,458	--	--	--	-1	--	0	1,459	16
<b>Total</b>	<b>510,633</b>	<b>0</b>	<b>8,589</b>	<b>246,927</b>	<b>152,312</b>	<b>-408,719</b>	<b>-13,425</b>	<b>-1,769</b>	<b>236,891</b>	<b>730</b>	<b>260,464</b>	<b>48,238</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels 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 biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>868</b>	<b>11</b>	<b>--</b>	<b>--</b>	<b>393</b>	<b>-649</b>	<b>-43</b>	<b>0</b>	<b>580</b>	<b>0</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>531</b>	<b>-6</b>	<b>0</b>	<b>11</b>	<b>14</b>	<b>-495</b>	<b>--</b>	<b>-3</b>	<b>17</b>	<b>1</b>	<b>39</b>
Natural Gas Liquids	531	-6	0	7	14	-495	--	-3	17	1	35
Ethane	167	--	--	--	--	-174	--	-1	--	0	-6
Propane	184	--	--	7	13	-162	--	-1	--	0	44
Normal Butane	73	--	--	0	1	-65	--	-1	7	0	4
Isobutane	32	--	--	0	0	-33	--	0	5	--	-7
Natural Gasoline	74	-6	0	--	0	-61	--	0	5	1	0
Refinery Olefins	--	--	--	4	--	--	--	0	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	--	3	--	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>-5</b>	<b>24</b>	<b>--</b>	<b>2</b>	<b>31</b>	<b>9</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>8</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	24	--	0	12	11	1	39	0	8
Hydrogen	--	--	--	--	--	--	7	--	7	--	0
Biofuels (including Fuel Ethanol)	--	--	24	--	0	12	4	1	32	0	8
Fuel Ethanol	--	--	14	--	0	11	4	0	30	0	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	--	10	--	0	1	--	1	2	0	8
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-5	--	--	0	--	--	1	-5	0	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	2	18	-2	-1	19	0	0
Reformulated	--	--	--	--	--	0	0	--	--	--	--
Conventional	--	--	--	--	2	18	-2	-1	19	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>0</b>	<b>666</b>	<b>8</b>	<b>-7</b>	<b>-2</b>	<b>-3</b>	<b>--</b>	<b>1</b>	<b>667</b>
Finished Motor Gasoline	--	--	--	345	0	-12	-2	-1	--	0	332
Reformulated	--	--	--	--	--	--	0	0	--	--	0
Conventional	--	--	--	345	0	-12	-2	-1	--	0	332
Finished Aviation Gasoline	--	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	--	34	1	21	--	0	--	0	56
Kerosene	--	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	0	196	4	4	--	-2	--	0	207
15 ppm sulfur and under	--	--	0	195	4	4	--	-2	--	0	205
Greater than 15 to 500 ppm sulfur	--	--	--	2	--	--	--	0	--	0	2
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	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	0	--	--	--	--	--	0
Lubricants	--	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	--	20	--	-5	--	0	--	0	15
Marketable	--	--	--	14	--	-5	--	0	--	0	8
Catalyst	--	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	--	33	3	-15	--	1	--	0	20
Still Gas	--	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	--	4	--	--	--	0	--	0	4
<b>Total</b>	<b>1,399</b>	<b>0</b>	<b>24</b>	<b>677</b>	<b>417</b>	<b>-1,120</b>	<b>-37</b>	<b>-5</b>	<b>649</b>	<b>2</b>	<b>714</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels 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 biodiesel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>287,245</b>	<b>26,480</b>	--	--	<b>437,185</b>	<b>30,232</b>	<b>17,682</b>	<b>1,254</b>	<b>795,043</b>	<b>2,528</b>	<b>0</b>	<b>48,002</b>
<b>Hydrocarbon Gas Liquids</b>	<b>25,305</b>	<b>-19,806</b>	<b>-66</b>	<b>15,218</b>	<b>16,755</b>	<b>13,088</b>	--	<b>240</b>	<b>9,669</b>	<b>19,871</b>	<b>20,714</b>	<b>3,848</b>
Natural Gas Liquids	25,305	-19,806	-66	13,546	16,755	13,088	--	273	9,669	19,871	19,009	3,831
Ethane	8	--	--	--	--	--	--	--	--	7	1	--
Propane	2,883	-284	--	11,349	9,966	5,106	--	-190	--	10,157	19,053	1,480
Normal Butane	6,957	-5,539	--	1,427	6,673	6,236	--	520	3,743	9,350	2,141	2,033
Isobutane	3,043	-2,172	--	770	116	1,746	--	-38	5,702	25	-2,186	296
Natural Gasoline	12,414	-11,811	-66	--	--	--	--	-19	224	332	0	22
Refinery Olefins	--	--	--	1,672	--	--	--	-33	--	--	1,705	17
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1,929	--	--	--	-2	--	--	1,931	14
Normal Butylene	--	--	--	-257	--	--	--	-31	--	--	-226	3
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>-6,675</b>	<b>12,133</b>	--	<b>43,173</b>	<b>114,389</b>	<b>-1,042</b>	<b>3,263</b>	<b>136,361</b>	<b>6,316</b>	<b>16,039</b>	<b>54,763</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	12,134	--	8,530	59,430	19,441	687	79,280	3,530	16,039	5,679
Hydrogen	--	--	--	--	--	--	16,546	--	16,546	--	0	--
Biofuels (including Fuel Ethanol)	--	--	12,134	--	8,530	59,430	2,895	687	62,734	3,530	16,039	5,679
Fuel Ethanol	--	--	2,572	--	1,194	49,753	2,895	174	53,591	2,649	0	2,532
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	--	9,561	--	7,336	9,677	--	512	9,143	881	16,039	3,147
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-6,675	--	--	22,243	276	--	-220	15,069	995	0	18,713
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	12,400	54,683	-20,483	2,796	42,012	1,791	0	30,371
Reformulated	--	--	0	--	1,615	22,942	1,970	1,522	24,987	17	0	15,353
Conventional	--	--	--	--	10,785	31,741	-22,453	1,274	17,025	1,774	0	15,018
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>730</b>	<b>985,703</b>	<b>53,963</b>	<b>24,010</b>	<b>17,588</b>	<b>2,713</b>	--	<b>91,808</b>	<b>987,474</b>	<b>34,666</b>
Finished Motor Gasoline	--	--	663	523,887	8,691	1,071	17,588	56	--	11,151	540,693	2,202
Reformulated	--	--	--	365,762	--	--	938	-1	--	--	366,701	15
Conventional	--	--	663	158,125	8,691	1,071	16,650	57	--	11,151	173,991	2,187
Finished Aviation Gasoline	--	--	--	386	24	--	--	21	--	--	389	337
Kerosene-Type Jet Fuel	--	--	86	147,474	31,748	3,276	--	864	--	7,583	174,137	8,930
Kerosene	--	--	--	76	18	--	--	-22	--	208	-92	13
Distillate Fuel Oil	--	--	-19	177,112	7,955	14,502	--	871	--	24,516	174,164	13,298
15 ppm sulfur and under	--	--	-19	167,773	6,504	14,502	--	750	--	17,796	170,214	12,374
Greater than 15 to 500 ppm sulfur	--	--	--	3,714	1,260	--	--	-35	--	1,860	3,149	232
Greater than 500 ppm sulfur	--	--	--	5,625	191	--	--	156	--	4,860	800	692
Residual Fuel Oil	--	--	--	29,293	3,328	--	--	740	--	6,997	24,884	5,090
Less than 0.31 percent sulfur	--	--	--	546	--	--	--	-388	--	NA	NA	701
0.31 to 1.00 percent sulfur	--	--	--	7,955	1,861	--	--	419	--	NA	NA	854
Greater than 1.00 percent sulfur	--	--	--	20,792	1,467	--	--	709	--	NA	NA	3,535
Petrochemical Feedstocks	--	--	--	--	349	--	--	-2	--	545	-194	--
Naphtha for Petro. Feed. Use	--	--	--	--	349	--	--	-2	--	--	351	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	545	-545	--
Special Naphthas	--	--	--	351	333	--	--	14	--	--	670	32
Lubricants	--	--	--	4,136	351	-212	--	78	--	2,375	1,822	1,027
Waxes	--	--	--	--	351	--	--	--	--	51	300	--
Petroleum Coke	--	--	--	46,122	--	-515	--	-71	--	38,047	7,631	1,264
Marketable	--	--	--	35,456	--	-515	--	-71	--	38,047	-3,035	1,264
Catalyst	--	--	--	10,666	--	--	--	--	--	--	10,666	--
Asphalt and Road Oil	--	--	--	9,700	815	5,889	--	173	--	328	15,903	2,395
Still Gas	--	--	--	42,539	--	--	--	--	--	--	42,539	--
Miscellaneous Products	--	--	--	4,627	--	--	--	-9	--	7	4,629	78
<b>Total</b>	<b>312,550</b>	<b>0</b>	<b>12,797</b>	<b>1,000,921</b>	<b>551,076</b>	<b>181,720</b>	<b>34,228</b>	<b>7,470</b>	<b>941,073</b>	<b>120,523</b>	<b>1,024,226</b>	<b>141,279</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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels 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 biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2022**  
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels 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>787</b>	<b>73</b>	--	--	<b>1,198</b>	<b>83</b>	<b>48</b>	<b>3</b>	<b>2,178</b>	<b>7</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>69</b>	<b>-54</b>	<b>0</b>	<b>42</b>	<b>46</b>	<b>36</b>	--	<b>1</b>	<b>26</b>	<b>54</b>	<b>57</b>
Natural Gas Liquids .....	69	-54	0	37	46	36	--	1	26	54	52
Ethane .....	0	--	--	--	--	--	--	--	--	0	0
Propane .....	8	-1	--	31	27	14	--	-1	--	28	52
Normal Butane .....	19	-15	--	4	18	17	--	1	10	26	6
Isobutane .....	8	-6	--	2	0	5	--	0	16	0	-6
Natural Gasoline .....	34	-32	0	--	--	--	--	0	1	1	0
Refinery Olefins .....	--	--	--	5	--	--	--	0	--	--	5
Ethylene .....	--	--	--	--	--	--	--	--	--	--	--
Propylene .....	--	--	--	5	--	--	--	0	--	--	5
Normal Butylene .....	--	--	--	-1	--	--	--	0	--	--	-1
Isobutylene .....	--	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b> .....	<b>--</b>	<b>-18</b>	<b>33</b>	<b>--</b>	<b>118</b>	<b>313</b>	<b>-3</b>	<b>9</b>	<b>374</b>	<b>17</b>	<b>44</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	--	--	33	--	23	163	53	2	217	10	44
Hydrogen .....	--	--	--	--	--	--	45	--	45	--	0
Biofuels (including Fuel Ethanol) .....	--	--	33	--	23	163	8	2	172	10	44
Fuel Ethanol .....	--	--	7	--	3	136	8	0	147	7	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup> .....	--	--	26	--	20	27	--	1	25	2	44
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	-18	--	--	61	1	--	-1	41	3	0
Motor Gasoline Blend.Comp. (MGBC) .....	--	--	0	--	34	150	-56	8	115	5	0
Reformulated .....	--	--	0	--	4	63	5	4	68	0	0
Conventional .....	--	--	--	--	30	87	-62	3	47	5	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>2</b>	<b>2,701</b>	<b>148</b>	<b>66</b>	<b>48</b>	<b>7</b>	<b>--</b>	<b>252</b>	<b>2,705</b>
Finished Motor Gasoline .....	--	--	2	1,435	24	3	48	0	--	31	1,481
Reformulated .....	--	--	--	1,002	--	--	3	0	--	--	1,005
Conventional .....	--	--	2	433	24	3	46	0	--	31	477
Finished Aviation Gasoline .....	--	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel .....	--	--	0	404	87	9	--	2	--	21	477
Kerosene .....	--	--	--	0	0	--	--	0	--	1	0
Distillate Fuel Oil .....	--	--	0	485	22	40	--	2	--	67	477
15 ppm sulfur and under .....	--	--	0	460	18	40	--	2	--	49	466
Greater than 15 to 500 ppm sulfur ....	--	--	--	10	3	--	--	0	--	5	9
Greater than 500 ppm sulfur .....	--	--	--	15	1	--	--	0	--	13	2
Residual Fuel Oil .....	--	--	--	80	9	--	--	2	--	19	68
Less than 0.31 percent sulfur .....	--	--	--	1	--	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	--	22	5	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	--	57	4	--	--	2	--	NA	NA
Petrochemical Feedstocks .....	--	--	--	--	1	--	--	0	--	1	-1
Naphtha for Petro. Feed. Use .....	--	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	1	-1
Special Naphthas .....	--	--	--	1	1	--	--	0	--	--	2
Lubricants .....	--	--	--	11	1	-1	--	0	--	7	5
Waxes .....	--	--	--	--	1	--	--	--	--	0	1
Petroleum Coke .....	--	--	--	126	--	-1	--	0	--	104	21
Marketable .....	--	--	--	97	--	-1	--	0	--	104	-8
Catalyst .....	--	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil .....	--	--	--	27	2	16	--	0	--	1	44
Still Gas .....	--	--	--	117	--	--	--	--	--	--	117
Miscellaneous Products .....	--	--	--	13	--	--	--	0	--	0	13
<b>Total</b> .....	<b>856</b>	<b>0</b>	<b>35</b>	<b>2,742</b>	<b>1,510</b>	<b>498</b>	<b>94</b>	<b>20</b>	<b>2,578</b>	<b>330</b>	<b>2,806</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, ethane, 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 hydrogen, motor gasoline blending components, and fuel ethanol. 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 biofuels 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 biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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-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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." 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. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, 2022**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	21,200	606,283	3,115,721	316,928	287,245	4,347,377	11,911
Alaskan .....	--	--	--	--	--	159,611	437
Lower 48 States .....	--	--	--	--	--	4,187,766	11,473
Transfers to Crude Oil Supply .....	17,798	1,433	103,620	3,983	26,480	153,315	420
Imports (PAD District of Entry) .....	216,995	1,035,155	459,923	143,415	437,185	2,292,673	6,281
Commercial .....	216,995	1,035,155	459,923	143,415	437,185	2,292,673	6,281
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	36,415	-214,644	384,807	-236,810	30,232	--	--
Adjustments <sup>1</sup> .....	-4,209	-16,146	149,460	-15,873	17,682	130,913	359
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	217	-10,513	-203,785	93	1,254	-212,734	-583
Commercial .....	217	-10,513	17,867	93	1,254	8,918	24
SPR .....	--	--	-221,652	--	--	-221,652	-607
Refinery Inputs .....	272,360	1,397,836	3,154,907	211,549	795,043	5,831,695	15,977
Exports .....	15,621	24,759	1,262,409	0	2,528	1,305,317	3,576
<b>Ending Stocks</b>							
Total .....	7,612	107,006	615,091	24,421	48,002	802,132	--
Commercial .....	7,612	107,006	243,061	24,421	48,002	430,102	--
Refinery .....	5,642	13,680	45,341	2,449	20,535	87,647	--
Tank Farms and Pipelines .....	1,970	93,326	197,720	21,972	24,611	339,599	--
Cushing, Oklahoma .....	--	26,095	--	--	--	26,095	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	2,856	2,856	--
SPR .....	--	--	372,030	--	--	372,030	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	46.4	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	23.3	--
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 .....	216,995	1,035,155	459,923	143,415	437,185	2,292,673	6,281
PAD District of Processing .....	224,776	927,832	597,650	101,395	441,020	2,292,673	6,281

-- = 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 14. Production of Crude Oil by PAD District and State, 2022**  
(Thousand Barrels)

PAD District and State	2022	
	Total	Daily Average
<b>PAD District 1</b> .....	<b>21,200</b>	<b>58</b>
Florida .....	1,214	3
New York .....	266	1
Pennsylvania .....	4,509	12
Virginia .....	7	0
West Virginia .....	15,204	42
<b>PAD District 2</b> .....	<b>606,283</b>	<b>1,661</b>
Illinois .....	6,925	19
Indiana .....	1,689	5
Kansas .....	28,161	77
Kentucky .....	2,252	6
Michigan .....	4,570	13
Missouri .....	69	0
Nebraska .....	1,489	4
North Dakota .....	386,203	1,058
Ohio .....	22,280	61
Oklahoma .....	151,537	415
South Dakota .....	961	3
Tennessee .....	146	0
<b>PAD District 3</b> .....	<b>3,115,721</b>	<b>8,536</b>
Alabama .....	3,820	10
Arkansas .....	4,445	12
Louisiana .....	36,493	100
Mississippi .....	12,667	35
New Mexico .....	579,837	1,589
Texas .....	1,846,806	5,060
Federal Offshore PAD District 3 .....	631,653	1,731
<b>PAD District 4</b> .....	<b>316,928</b>	<b>868</b>
Colorado .....	160,149	439
Idaho .....	37	0
Montana .....	20,585	56
Utah .....	45,251	124
Wyoming .....	90,906	249
<b>PAD District 5</b> .....	<b>287,245</b>	<b>787</b>
Alaska .....	159,611	437
South Alaska .....	3,443	9
North Slope .....	156,169	428
Arizona .....	6	0
California .....	124,727	342
Nevada .....	219	1
Federal Offshore PAD District 5 .....	2,682	7
<b>U.S. Total</b> .....	<b>4,347,377</b>	<b>11,911</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 15. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, 2022**  
(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>108</b>	<b>231,003</b>	<b>231,111</b>	<b>60,369</b>	<b>146,103</b>	<b>196,288</b>	<b>402,760</b>
Natural Gas Liquids	108	231,003	231,111	60,369	146,103	196,288	402,760
Ethane	-	94,193	94,193	21,915	44,127	81,284	147,326
Propane	36	79,650	79,686	24,800	52,151	61,342	138,293
Normal Butane	72	24,095	24,167	4,700	22,372	19,724	46,796
Isobutane	-	10,911	10,911	5,310	6,928	11,361	23,599
Natural Gasoline	-	22,154	22,154	3,644	20,525	22,577	46,746

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>1,057,377</b>	<b>58,271</b>	<b>61,479</b>	<b>5,144</b>	<b>130,415</b>	<b>1,312,686</b>	<b>193,705</b>	<b>25,305</b>	<b>2,165,567</b>
Natural Gas Liquids	1,057,377	58,271	61,479	5,144	130,415	1,312,686	193,705	25,305	2,165,567
Ethane	469,199	29,558	24,246	966	51,418	575,387	61,098	8	878,012
Propane	316,672	15,279	20,201	1,529	41,099	394,780	67,242	2,883	682,884
Normal Butane	114,293	-37,740	7,071	678	15,283	99,585	26,790	6,957	204,295
Isobutane	49,334	46,395	3,817	553	7,012	107,111	11,647	3,043	156,311
Natural Gasoline	107,879	4,779	6,144	1,418	15,603	135,823	26,928	12,414	244,065

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>4</b>	<b>258</b>	<b>262</b>	<b>911</b>	<b>112</b>	<b>567</b>	<b>1,590</b>
Natural Gas Liquids	4	258	262	911	112	567	1,590
Ethane	-	-	-	33	2	125	160
Propane	1	127	128	523	39	175	737
Normal Butane	3	46	49	130	22	102	254
Isobutane	-	14	14	85	5	52	142
Natural Gasoline	-	71	71	140	44	113	297

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>243</b>	<b>277</b>	<b>1,093</b>	<b>5</b>	<b>1</b>	<b>1,619</b>	<b>153</b>	<b>361</b>	<b>3,985</b>
Natural Gas Liquids	243	277	1,093	5	1	1,619	153	361	3,985
Ethane	10	20	-	-	-	30	4	-	194
Propane	76	44	23	3	-	146	63	37	1,111
Normal Butane	26	35	298	1	-	360	27	285	975
Isobutane	93	16	445	-	-	554	14	22	746
Natural Gasoline	38	162	327	1	1	529	45	17	959

- = 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 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(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>241,001</b>	<b>31,359</b>	<b>272,360</b>	<b>893,196</b>	<b>181,829</b>	<b>322,811</b>	<b>1,397,836</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>14,669</b>	<b>-</b>	<b>14,669</b>	<b>24,352</b>	<b>1,343</b>	<b>12,873</b>	<b>38,568</b>
Natural Gas Liquids .....	14,669	-	14,669	24,352	1,343	12,873	38,568
Normal Butane .....	10,596	-	10,596	4,324	590	2,631	7,545
Isobutane .....	1,506	-	1,506	15,469	651	5,736	21,856
Natural Gasoline .....	2,567	-	2,567	4,559	102	4,506	9,167
<b>Other Liquids</b> .....	<b>955,117</b>	<b>69,071</b>	<b>1,024,188</b>	<b>98,456</b>	<b>38,114</b>	<b>24,827</b>	<b>161,397</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	114,193	9,019	123,212	65,708	18,115	22,953	106,776
Hydrogen .....	1,099	21	1,120	8,119	3,406	2,282	13,807
Biofuels (Including Fuel Ethanol) .....	113,094	8,998	122,092	57,443	14,709	20,671	92,823
Fuel Ethanol .....	109,533	8,044	117,577	55,594	13,074	19,343	88,011
Biodiesel .....	3,561	954	4,515	1,849	1,635	866	4,350
Renewable Diesel Fuel .....	-	-	-	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	462	462
Other Hydrocarbons .....	-	-	-	146	-	-	146
Unfinished Oils (net) .....	12,512	-1,262	11,250	-8,844	703	-1,047	-9,188
Naphthas and Lighter .....	2,241	-593	1,648	1,672	18	265	1,955
Kerosene and Light Gas Oils .....	1,640	-	1,640	-4,221	80	-207	-4,348
Heavy Gas Oils .....	4,753	-659	4,094	-2,798	605	-483	-2,676
Residuum .....	3,878	-10	3,868	-3,497	-	-622	-4,119
Motor Gasoline Blend.Comp. (MGBC)(net) .....	828,412	61,314	889,726	41,592	19,296	2,921	63,809
Reformulated - RBOB .....	177,985	-	177,985	-1,633	13,302	10,676	22,345
Conventional .....	650,427	61,314	711,741	43,225	5,994	-7,755	41,464
CBOB .....	531,939	61,326	593,265	48,642	6,212	-7,964	46,890
GTAB .....	36,893	-	36,893	-	-	-	-
Other .....	81,595	-12	81,583	-5,417	-218	209	-5,426
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>1,210,787</b>	<b>100,430</b>	<b>1,311,217</b>	<b>1,016,004</b>	<b>221,286</b>	<b>360,511</b>	<b>1,597,801</b>

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(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>241,080</b>	<b>1,700,418</b>	<b>1,090,685</b>	<b>91,280</b>	<b>31,444</b>	<b>3,154,907</b>	<b>211,549</b>	<b>795,043</b>	<b>5,831,695</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>7,362</b>	<b>85,932</b>	<b>42,408</b>	<b>1,073</b>	<b>1,427</b>	<b>138,202</b>	<b>6,254</b>	<b>9,669</b>	<b>207,362</b>
Natural Gas Liquids .....	7,362	85,932	42,408	1,073	1,427	138,202	6,254	9,669	207,362
Normal Butane .....	3,455	21,363	13,524	477	—	38,819	2,419	3,743	63,122
Isobutane .....	3,404	28,163	16,530	556	1,427	50,080	1,974	5,702	81,118
Natural Gasoline .....	503	36,406	12,354	40	—	49,303	1,861	224	63,122
<b>Other Liquids</b> .....	<b>111,772</b>	<b>-543,576</b>	<b>-327,344</b>	<b>82,059</b>	<b>36</b>	<b>-677,053</b>	<b>19,088</b>	<b>136,361</b>	<b>663,981</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	26,077	37,985	25,474	12,803	2,357	104,696	14,112	79,280	428,076
Hydrogen .....	1,270	26,833	17,666	753	476	46,998	2,448	16,546	80,919
Biofuels (Including Fuel Ethanol) .....	24,807	11,152	7,808	12,050	1,881	57,698	11,664	62,734	347,011
Fuel Ethanol .....	24,361	10,080	5,878	11,687	1,691	53,697	10,846	53,591	323,722
Biodiesel .....	446	875	508	363	173	2,365	455	4,605	16,290
Renewable Diesel Fuel .....	—	9	21	—	—	30	—	4,499	4,529
Other Biofuels <sup>1</sup> .....	—	188	1,401	—	17	1,606	363	39	2,470
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	146
Unfinished Oils (net) .....	-1,857	-45,513	83,241	-755	-750	34,366	-1,823	15,069	49,674
Naphthas and Lighter .....	-474	-76,264	1,285	-25	-375	-75,853	-625	-2,252	-75,127
Kerosene and Light Gas Oils .....	-82	-15,062	-934	-189	-335	-16,602	-271	-3,777	-23,358
Heavy Gas Oils .....	-753	13,712	59,069	431	-40	72,419	-13	19,835	93,659
Residuum .....	-548	32,101	23,821	-972	—	54,402	-914	1,263	54,500
Motor Gasoline Blend.Comp. (MGBC)(net) .....	87,468	-536,048	-436,098	70,011	-1,571	-816,238	6,799	42,012	186,108
Reformulated - RBOB .....	68,795	-106,666	-45,865	99	-6,726	-90,363	—	24,987	134,954
Conventional .....	18,673	-429,382	-390,233	69,912	5,155	-725,875	6,799	17,025	51,154
CBOB .....	19,078	-385,959	-371,656	70,103	4,746	-663,688	5,958	13,369	-4,206
GTAB .....	—	—	—	—	—	—	—	—	36,893
Other .....	-405	-43,423	-18,577	-191	409	-62,187	841	3,656	18,467
Aviation Gasoline Blend. Comp. (net) .....	84	—	39	—	—	123	—	—	123
<b>Total Input</b> .....	<b>360,214</b>	<b>1,242,774</b>	<b>805,749</b>	<b>174,412</b>	<b>32,907</b>	<b>2,616,056</b>	<b>236,891</b>	<b>941,073</b>	<b>6,703,038</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, 2022**  
(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 .....	7,393	334	7,727	31,659	2,177	7,455	41,291
Natural Gas Liquids .....	2,939	334	3,273	20,999	714	4,507	26,220
Ethane .....	-	-	-	-	-	-	-
Propane .....	4,742	264	5,006	18,740	3,231	5,722	27,693
Normal Butane .....	-1,369	211	-1,158	4,388	-1,994	-924	1,470
Isobutane .....	-434	-141	-575	-2,129	-523	-291	-2,943
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	4,454	-	4,454	10,660	1,463	2,948	15,071
Ethylene .....	186	-	186	-	-	-	-
Propylene .....	3,764	-	3,764	9,983	1,507	2,947	14,437
Butylene .....	0	-	0	677	-44	1	634
Isobutylene .....	504	-	504	-	-	-	-
Finished Motor Gasoline .....	1,072,823	80,319	1,153,142	576,241	125,771	195,083	897,095
Reformulated .....	423,956	564	424,520	91,871	17,022	11,870	120,763
Reformulated Blended with Fuel Ethanol .....	423,928	564	424,492	91,871	17,004	11,870	120,745
Reformulated Other .....	28	-	28	-	18	-	18
Conventional .....	648,867	79,755	728,622	484,370	108,749	183,213	776,332
Conventional Blended with Fuel Ethanol .....	657,395	79,834	737,229	455,991	108,610	168,581	733,182
Ed55 and Lower .....	656,567	79,834	736,401	455,685	108,043	166,823	730,551
Greater than Ed55 .....	828	-	828	306	567	1,758	2,631
Conventional Other .....	-8,528	-79	-8,607	28,379	139	14,632	43,150
Finished Aviation Gasoline .....	-	-	-	-	233	-	233
Kerosene-Type Jet Fuel .....	32,447	-	32,447	74,513	9,588	11,346	95,447
Kerosene .....	761	27	788	1,007	-	415	1,422
Distillate Fuel Oil .....	70,722	8,750	79,472	239,032	62,595	127,251	428,878
15 ppm sulfur and under .....	72,394	8,552	80,946	239,080	62,536	127,160	428,776
Greater than 15 ppm to 500 ppm sulfur .....	188	-93	95	-	-	1,364	1,364
Greater than 500 ppm sulfur .....	-1,860	291	-1,569	-48	59	-1,273	-1,262
Residual Fuel Oil .....	15,060	44	15,104	9,745	1,909	1,819	13,473
Less than 0.31 percent sulfur .....	-124	38	-86	934	-	-	934
0.31 to 1.00 percent sulfur .....	11,606	6	11,612	4,063	978	400	5,441
Greater than 1.00 percent sulfur .....	3,578	-	3,578	4,748	931	1,419	7,098
Petrochemical Feedstocks .....	-	-	-	10,269	-	129	10,398
Naphtha for Petro. Feed. Use .....	-	-	-	6,065	-	-	6,065
Other Oils for Petro. Feed. Use .....	-	-	-	4,204	-	129	4,333
Special Naphthas .....	-	118	118	-457	-	143	-314
Lubricants .....	2,246	2,266	4,512	-	-	2,454	2,454
Waxes .....	-	-124	-124	-	-	426	426
Petroleum Coke .....	7,989	193	8,182	45,086	11,034	11,201	67,321
Marketable .....	3,030	-	3,030	32,888	9,118	8,186	50,192
Catalyst .....	4,959	193	5,152	12,198	1,916	3,015	17,129
Asphalt and Road Oil .....	4,601	7,118	11,719	44,102	14,017	4,300	62,419
Still Gas .....	9,567	439	10,006	30,836	7,314	13,111	51,261
Miscellaneous Products .....	611	477	1,088	3,763	1,340	654	5,757
<b>Total .....</b>	<b>1,224,220</b>	<b>99,961</b>	<b>1,324,181</b>	<b>1,065,796</b>	<b>235,978</b>	<b>375,787</b>	<b>1,677,561</b>
Processing Gain(-) or Loss(+) .....	-13,433	469	-12,964	-49,792	-14,692	-15,276	-79,760

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, 2022**  
(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 .....	8,723	88,499	57,045	338	271	154,876	4,016	15,218	223,128
Natural Gas Liquids .....	4,308	46,710	31,371	126	271	82,786	2,620	13,546	128,445
Ethane .....	73	1,725	476	—	—	2,274	—	—	2,274
Propane .....	3,349	29,136	23,621	230	340	56,676	2,512	11,349	103,236
Normal Butane .....	900	19,750	5,823	-104	-69	26,300	143	1,427	28,182
Isobutane .....	-14	-3,901	1,451	—	—	-2,464	-35	770	-5,247
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	4,415	41,789	25,674	212	—	72,090	1,396	1,672	94,683
Ethylene .....	—	102	—	—	—	102	—	—	288
Propylene .....	4,308	43,662	27,336	212	—	75,518	463	1,929	96,111
Butylene .....	107	-1,724	-1,662	—	—	-3,279	933	-257	-1,969
Isobutylene .....	—	-251	—	—	—	-251	—	—	253
Finished Motor Gasoline .....	244,415	293,674	126,752	109,901	17,903	792,645	125,878	523,887	3,492,647
Reformulated .....	86,458	79,614	—	—	—	166,072	—	365,762	1,077,117
Reformulated Blended with Fuel Ethanol .....	86,438	79,601	—	—	—	166,039	—	365,762	1,077,038
Reformulated Other .....	20	13	—	—	—	33	—	—	79
Conventional .....	157,957	214,060	126,752	109,901	17,903	626,573	125,878	158,125	2,415,530
Conventional Blended with Fuel Ethanol .....	154,928	19,494	58,842	115,092	17,129	365,485	106,822	164,571	2,107,289
Ed55 and Lower .....	154,770	19,486	58,842	114,824	17,118	365,040	106,518	164,493	2,103,003
Greater than Ed55 .....	158	8	—	268	11	445	304	78	4,286
Conventional Other .....	3,029	194,566	67,910	-5,191	774	261,088	19,056	-6,446	308,241
Finished Aviation Gasoline .....	994	1,227	1,162	—	—	3,383	49	386	4,051
Kerosene-Type Jet Fuel .....	17,261	164,646	118,487	1,292	-3	301,683	12,527	147,474	589,578
Kerosene .....	-6	1,932	-2	183	—	2,107	4	76	4,397
Distillate Fuel Oil .....	75,335	542,082	408,759	33,500	12,107	1,071,783	71,716	177,112	1,828,961
15 ppm sulfur and under .....	75,343	522,825	358,468	32,657	12,107	1,001,400	71,031	167,773	1,749,926
Greater than 15 ppm to 500 ppm sulfur .....	-8	3,129	24,819	886	—	28,826	703	3,714	34,702
Greater than 500 ppm sulfur .....	—	16,128	25,472	-43	—	41,557	-18	5,625	44,333
Residual Fuel Oil .....	3,643	16,585	9,445	-75	369	29,967	3,927	29,293	91,764
Less than 0.31 percent sulfur .....	3,139	—	8,350	—	—	11,489	2,009	546	14,892
0.31 to 1.00 percent sulfur .....	7	10,494	4,918	-75	—	15,344	425	7,955	40,777
Greater than 1.00 percent sulfur .....	497	6,091	-3,823	—	369	3,134	1,493	20,792	36,095
Petrochemical Feedstocks .....	1,122	42,519	26,836	—	—	70,477	—	—	80,875
Naphtha for Petro. Feed. Use .....	1,053	24,805	14,009	—	—	39,867	—	—	45,932
Other Oils for Petro. Feed. Use .....	69	17,714	12,827	—	—	30,610	—	—	34,943
Special Naphthas .....	687	8,594	—	2,479	—	11,760	—	351	11,915
Lubricants .....	153	17,943	18,291	10,181	—	46,568	—	4,136	57,670
Waxes .....	—	622	722	299	—	1,643	—	—	1,945
Petroleum Coke .....	5,236	95,863	62,342	1,820	246	165,507	7,453	46,122	294,585
Marketable .....	2,440	74,303	50,223	1,628	—	128,594	4,936	35,456	222,208
Catalyst .....	2,796	21,560	12,119	192	246	36,913	2,517	10,666	72,377
Asphalt and Road Oil .....	2,221	3,710	7,837	13,867	644	28,279	12,183	9,700	124,300
Still Gas .....	9,257	74,339	42,130	3,286	829	129,841	7,716	42,539	241,363
Miscellaneous Products .....	1,639	11,867	5,426	206	526	19,664	1,458	4,627	32,594
<b>Total .....</b>	<b>370,680</b>	<b>1,364,102</b>	<b>885,232</b>	<b>177,277</b>	<b>32,892</b>	<b>2,830,183</b>	<b>246,927</b>	<b>1,000,921</b>	<b>7,079,773</b>
Processing Gain(-) or Loss(+) .....	-10,466	-121,328	-79,483	-2,865	15	-214,127	-10,036	-59,848	-376,735

— = No Data Reported.

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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(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>241,001</b>	<b>31,359</b>	<b>272,360</b>	<b>893,196</b>	<b>181,829</b>	<b>322,811</b>	<b>1,397,836</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,208</b>	<b>-</b>	<b>3,208</b>	<b>23,892</b>	<b>651</b>	<b>9,783</b>	<b>34,326</b>
Natural Gas Liquids .....	3,208	-	3,208	23,892	651	9,783	34,326
Normal Butane .....	1,702	-	1,702	3,887	-	232	4,119
Isobutane .....	1,506	-	1,506	15,468	651	5,736	21,855
Natural Gasoline .....	-	-	-	4,537	-	3,815	8,352
<b>Other Liquids</b> .....	<b>-101,611</b>	<b>387</b>	<b>-101,224</b>	<b>-421,921</b>	<b>-65,004</b>	<b>-134,488</b>	<b>-621,413</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	1,923	1,552	3,475	10,928	5,855	4,752	21,535
Hydrogen .....	1,099	21	1,120	8,119	3,406	2,282	13,807
Biofuels (Including Fuel Ethanol) .....	824	1,531	2,355	2,663	2,449	2,470	7,582
Fuel Ethanol .....	824	1,226	2,050	2,131	1,971	1,759	5,861
Biodiesel .....	-	305	305	532	478	249	1,259
Renewable Diesel Fuel .....	-	-	-	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	462	462
Other Hydrocarbons .....	-	-	-	146	-	-	146
Unfinished Oils (net) .....	12,512	-1,262	11,250	-8,858	703	-1,047	-9,202
Naphthas and Lighter .....	2,241	-593	1,648	1,672	18	265	1,955
Kerosene and Light Gas Oils .....	1,640	-	1,640	-4,221	80	-207	-4,348
Heavy Gas Oils .....	4,753	-659	4,094	-2,812	605	-483	-2,690
Residuum .....	3,878	-10	3,868	-3,497	-	-622	-4,119
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-116,046	97	-115,949	-423,991	-71,562	-138,193	-633,746
Reformulated - RBOB .....	-80,028	-	-80,028	-80,336	-	-	-80,336
Conventional .....	-36,018	97	-35,921	-343,655	-71,562	-138,193	-553,410
CBOB .....	-31,821	109	-31,712	-338,040	-70,732	-138,402	-547,174
GTAB .....	-	-	-	-	-	-	-
Other .....	-4,197	-12	-4,209	-5,615	-830	209	-6,236
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>142,598</b>	<b>31,746</b>	<b>174,344</b>	<b>495,167</b>	<b>117,476</b>	<b>198,106</b>	<b>810,749</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	686	86	772	2,438	515	887	3,840
Operable Capacity (daily average) .....	740	98	838	2,721	548	928	4,197
Operable Utilization Rate (percent) <sup>2</sup> .....	92.7	87.5	92.1	89.6	94.0	95.6	91.5
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	110	13	124	447	64	164	675
Catalytic Cracking .....	236	13	249	713	134	210	1,056
Catalytic Hydrocracking .....	40	-	40	175	62	49	286
Delayed and Fluid Coking .....	37	-	37	319	71	86	476
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.87	1.62	0.95	1.59	1.79	0.66	1.40
API Gravity, Weighted Average (degrees) .....	35.42	32.34	35.06	32.96	27.80	39.13	33.64
<b>Operable Capacity (daily average)</b> .....	<b>740</b>	<b>98</b>	<b>838</b>	<b>2,721</b>	<b>548</b>	<b>928</b>	<b>4,197</b>
Operating .....	740	98	838	2,673	510	925	4,108
Idle .....	-	-	-	48	38	3	89
<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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(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>241,080</b>	<b>1,700,418</b>	<b>1,090,685</b>	<b>91,280</b>	<b>31,444</b>	<b>3,154,907</b>	<b>211,549</b>	<b>795,043</b>	<b>5,831,695</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>6,817</b>	<b>53,960</b>	<b>40,553</b>	<b>764</b>	<b>1,427</b>	<b>103,521</b>	<b>5,597</b>	<b>9,227</b>	<b>155,879</b>
Natural Gas Liquids .....	6,817	53,960	40,553	764	1,427	103,521	5,597	9,227	155,879
Normal Butane .....	2,965	15,280	11,669	169	—	30,083	1,922	3,301	41,127
Isobutane .....	3,404	28,163	16,530	556	1,427	50,080	1,945	5,702	81,088
Natural Gasoline .....	448	10,517	12,354	39	—	23,358	1,730	224	33,664
<b>Other Liquids</b> .....	<b>-102,952</b>	<b>-642,203</b>	<b>-361,529</b>	<b>-21,524</b>	<b>-15,812</b>	<b>-1,144,020</b>	<b>-51,030</b>	<b>-364,190</b>	<b>-2,281,877</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	3,833	27,699	21,866	1,319	618	55,335	6,249	21,623	108,217
Hydrogen .....	1,270	26,833	17,666	753	476	46,998	2,448	16,546	80,919
Biofuels (Including Fuel Ethanol) .....	2,563	866	4,200	566	142	8,337	3,801	5,077	27,152
Fuel Ethanol .....	2,337	531	2,270	494	68	5,700	3,192	1,529	18,332
Biodiesel .....	226	245	508	72	57	1,108	246	181	3,099
Renewable Diesel Fuel .....	—	—	21	—	—	21	—	3,328	3,349
Other Biofuels <sup>1</sup> .....	—	90	1,401	—	17	1,508	363	39	2,372
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	146
Unfinished Oils (net) .....	-1,856	-45,513	83,282	-755	-750	34,408	-1,823	15,069	49,702
Naphthas and Lighter .....	-473	-76,264	1,173	-25	-375	-75,964	-625	-2,252	-75,238
Kerosene and Light Gas Oils .....	-82	-15,062	-1,111	-189	-335	-16,779	-271	-3,777	-23,535
Heavy Gas Oils .....	-753	13,712	59,542	431	-40	72,892	-13	19,835	94,118
Residuum .....	-548	32,101	23,678	-972	—	54,259	-914	1,263	54,357
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-105,013	-624,389	-466,716	-22,088	-15,680	-1,233,886	-55,456	-400,882	-2,439,919
Reformulated - RBOB .....	-9,740	-175,658	-45,816	—	-6,726	-237,940	—	-295,052	-693,356
Conventional .....	-95,273	-448,731	-420,900	-22,088	-8,954	-995,946	-55,456	-105,830	-1,746,563
CBOB .....	-94,868	-349,412	-390,078	-21,897	-8,997	-865,252	-56,285	-106,962	-1,607,385
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	-405	-99,319	-30,822	-191	43	-130,694	829	1,132	-139,178
Aviation Gasoline Blend. Comp. (net) .....	84	—	39	—	—	123	—	—	123
<b>Total Input to Refineries</b> .....	<b>144,945</b>	<b>1,112,175</b>	<b>769,709</b>	<b>70,520</b>	<b>17,059</b>	<b>2,114,408</b>	<b>166,116</b>	<b>440,080</b>	<b>3,705,697</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	666	4,827	3,193	226	86	8,998	576	2,299	16,485
Operable Capacity (daily average) .....	746	5,213	3,288	260	110	9,617	661	2,650	17,963
Operable Utilization Rate (percent) <sup>2</sup> .....	89.3	92.6	97.1	86.8	78.3	93.6	87.2	86.7	91.8
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	145	754	550	38	18	1,505	94	371	2,769
Catalytic Cracking .....	168	1,280	814	17	23	2,303	159	599	4,367
Catalytic Hydrocracking .....	43	543	441	18	13	1,057	22	441	1,846
Delayed and Fluid Coking .....	26	753	499	30	—	1,308	47	395	2,264
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.60	1.44	1.21	1.33	0.84	1.27	1.28	1.32	1.29
API Gravity, Weighted Average (degrees) .....	39.98	33.90	31.92	31.90	38.66	33.80	32.99	28.88	33.11
<b>Operable Capacity (daily average)</b> .....	<b>746</b>	<b>5,213</b>	<b>3,288</b>	<b>260</b>	<b>110</b>	<b>9,617</b>	<b>661</b>	<b>2,650</b>	<b>17,963</b>
Operating .....	746	5,191	3,278	260	110	9,585	641	2,634	17,806
Idle .....	—	22	10	—	—	32	20	16	157
<b>Alaskan Crude Oil Receipts</b> .....	—	—	—	—	—	—	—	<b>173,336</b>	<b>173,336</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>2</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 19. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, 2022**  
(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 .....	7,393	334	7,727	31,659	2,177	7,455	41,291
Natural Gas Liquids .....	2,939	334	3,273	20,999	714	4,507	26,220
Ethane .....	-	-	-	-	-	-	-
Propane .....	4,742	264	5,006	18,740	3,231	5,722	27,693
Normal Butane .....	-1,369	211	-1,158	4,388	-1,994	-924	1,470
Isobutane .....	-434	-141	-575	-2,129	-523	-291	-2,943
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	4,454	-	4,454	10,660	1,463	2,948	15,071
Ethylene .....	186	-	186	-	-	-	-
Propylene .....	3,764	-	3,764	9,983	1,507	2,947	14,437
Butylene .....	0	-	0	677	-44	1	634
Isobutylene .....	504	-	504	-	-	-	-
Finished Motor Gasoline .....	8,182	12,246	20,428	56,484	23,123	33,300	112,907
Reformulated .....	8,182	-	8,182	-	-	9	9
Reformulated Blended with Fuel Ethanol .....	8,182	-	8,182	-	-	9	9
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	12,246	12,246	56,484	23,123	33,291	112,898
Conventional Blended with Fuel Ethanol .....	-	12,305	12,305	21,709	18,822	17,931	58,462
Ed55 and Lower .....	-	12,305	12,305	21,709	18,822	17,931	58,462
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	-59	-59	34,775	4,301	15,360	54,436
Finished Aviation Gasoline .....	-	-	-	-	233	-	233
Kerosene-Type Jet Fuel .....	32,497	-	32,497	74,770	9,614	11,353	95,737
Kerosene .....	884	31	915	1,034	-	415	1,449
Distillate Fuel Oil .....	66,887	8,137	75,024	237,700	61,426	126,666	425,792
15 ppm sulfur and under .....	68,557	7,939	76,496	237,748	61,367	126,564	425,679
Greater than 15 ppm to 500 ppm sulfur .....	-6	-93	-99	-	-	54	54
Greater than 500 ppm sulfur .....	-1,664	291	-1,373	-48	59	48	59
Residual Fuel Oil .....	15,216	44	15,260	9,782	1,909	1,822	13,513
Less than 0.31 percent sulfur .....	-	38	38	934	-	-	934
0.31 to 1.00 percent sulfur .....	11,610	6	11,616	4,063	978	403	5,444
Greater than 1.00 percent sulfur .....	3,606	-	3,606	4,785	931	1,419	7,135
Petrochemical Feedstocks .....	-	-	-	10,269	-	129	10,398
Naphtha for Petro. Feed. Use .....	-	-	-	6,065	-	-	6,065
Other Oils for Petro. Feed. Use .....	-	-	-	4,204	-	129	4,333
Special Naphthas .....	-	118	118	-457	-	143	-314
Lubricants .....	2,246	2,266	4,512	-	-	2,454	2,454
Waxes .....	-	-124	-124	-	-	426	426
Petroleum Coke .....	7,989	193	8,182	45,086	11,034	11,201	67,321
Marketable .....	3,030	-	3,030	32,888	9,118	8,186	50,192
Catalyst .....	4,959	193	5,152	12,198	1,916	3,015	17,129
Asphalt and Road Oil .....	4,541	7,118	11,659	44,051	14,008	4,256	62,315
Still Gas .....	9,567	439	10,006	30,836	7,314	13,111	51,261
Miscellaneous Products .....	611	477	1,088	3,763	1,340	654	5,757
<b>Total .....</b>	<b>156,013</b>	<b>31,279</b>	<b>187,292</b>	<b>544,977</b>	<b>132,178</b>	<b>213,385</b>	<b>890,540</b>
Processing Gain(-) or Loss(+) .....	-13,415	467	-12,948	-49,810	-14,702	-15,279	-79,791

See footnotes at end of table.

**Table 19. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, 2022**  
(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 .....	8,723	88,499	57,045	338	271	154,876	4,016	15,218	223,128
Natural Gas Liquids .....	4,308	46,710	31,371	126	271	82,786	2,620	13,546	128,445
Ethane .....	73	1,725	476	—	—	2,274	—	—	2,274
Propane .....	3,349	29,136	23,621	230	340	56,676	2,512	11,349	103,236
Normal Butane .....	900	19,750	5,823	-104	-69	26,300	143	1,427	28,182
Isobutane .....	-14	-3,901	1,451	—	—	-2,464	-35	770	-5,247
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	4,415	41,789	25,674	212	—	72,090	1,396	1,672	94,683
Ethylene .....	—	102	—	—	—	102	—	—	288
Propylene .....	4,308	43,662	27,336	212	—	75,518	463	1,929	96,111
Butylene .....	107	-1,724	-1,662	—	—	-3,279	933	-257	-1,969
Isobutylene .....	—	-251	—	—	—	-251	—	—	253
Finished Motor Gasoline .....	29,365	163,687	90,560	6,285	2,170	292,067	55,317	28,445	509,164
Reformulated .....	—	—	—	—	—	—	—	7,465	15,656
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	7,465	15,656
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	29,365	163,687	90,560	6,285	2,170	292,067	55,317	20,980	493,508
Conventional Blended with Fuel Ethanol .....	24,089	5,297	22,862	5,103	748	58,099	32,205	7,870	168,941
Ed55 and Lower .....	24,089	5,297	22,862	5,103	748	58,099	32,205	7,870	168,941
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	5,276	158,390	67,698	1,182	1,422	233,968	23,112	13,110	324,567
Finished Aviation Gasoline .....	994	1,227	1,162	—	—	3,383	49	386	4,051
Kerosene-Type Jet Fuel .....	17,261	164,348	118,390	1,292	—	301,291	11,770	147,517	588,812
Kerosene .....	-6	2,236	-8	183	—	2,405	4	10	4,783
Distillate Fuel Oil .....	75,116	541,331	409,020	33,207	11,988	1,070,662	72,269	171,655	1,815,402
15 ppm sulfur and under .....	75,124	522,074	358,566	32,364	11,988	1,000,116	71,584	162,377	1,736,252
Greater than 15 ppm to 500 ppm sulfur .....	-8	3,129	24,873	886	—	28,880	703	3,714	33,252
Greater than 500 ppm sulfur .....	—	16,128	25,581	-43	—	41,666	-18	5,564	45,898
Residual Fuel Oil .....	3,643	16,718	9,570	-75	369	30,225	3,927	29,267	92,192
Less than 0.31 percent sulfur .....	3,139	—	8,338	—	—	11,477	2,009	529	14,987
0.31 to 1.00 percent sulfur .....	7	10,494	4,918	-75	—	15,344	425	8,064	40,893
Greater than 1.00 percent sulfur .....	497	6,224	-3,686	—	369	3,404	1,493	20,674	36,312
Petrochemical Feedstocks .....	1,122	42,519	26,836	—	—	70,477	—	—	80,875
Naphtha for Petro. Feed. Use .....	1,053	24,805	14,009	—	—	39,867	—	—	45,932
Other Oils for Petro. Feed. Use .....	69	17,714	12,827	—	—	30,610	—	—	34,943
Special Naphthas .....	687	8,594	—	2,479	—	11,760	—	351	11,915
Lubricants .....	153	17,943	18,291	10,181	—	46,568	—	4,136	57,670
Waxes .....	—	622	722	299	—	1,643	—	—	1,945
Petroleum Coke .....	5,236	95,863	62,342	1,820	246	165,507	7,453	46,122	294,585
Marketable .....	2,440	74,303	50,223	1,628	—	128,594	4,936	35,456	222,208
Catalyst .....	2,796	21,560	12,119	192	246	36,913	2,517	10,666	72,377
Asphalt and Road Oil .....	2,221	3,710	7,703	13,867	644	28,145	12,183	9,700	124,002
Still Gas .....	9,257	74,339	42,130	3,286	829	129,841	7,716	42,539	241,363
Miscellaneous Products .....	1,639	11,867	5,426	206	526	19,664	1,458	4,627	32,594
<b>Total .....</b>	<b>155,411</b>	<b>1,233,503</b>	<b>849,189</b>	<b>73,368</b>	<b>17,043</b>	<b>2,328,514</b>	<b>176,162</b>	<b>499,973</b>	<b>4,082,481</b>
Processing Gain(-) or Loss(+) .....	-10,466	-121,328	-79,480	-2,848	16	-214,106	-10,046	-59,893	-376,784

— = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

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

**Table 20. Blender Net Inputs of Petroleum Products by PAD Districts, 2022**  
(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>11,461</b>	–	<b>11,461</b>	<b>460</b>	<b>692</b>	<b>3,090</b>	<b>4,242</b>
Natural Gas Liquids .....	11,461	–	11,461	460	692	3,090	4,242
Normal Butane .....	8,894	–	8,894	437	590	2,399	3,426
Isobutane .....	–	–	–	1	–	–	1
Natural Gasoline .....	2,567	–	2,567	22	102	691	815
<b>Other Liquids</b> .....	<b>1,056,728</b>	<b>68,684</b>	<b>1,125,412</b>	<b>520,377</b>	<b>103,118</b>	<b>159,315</b>	<b>782,810</b>
Oxygenates/Renewables .....	112,270	7,467	119,737	54,780	12,260	18,201	85,241
Biofuels (including Fuel Ethanol) .....	112,270	7,467	119,737	54,780	12,260	18,201	85,241
Fuel Ethanol .....	108,709	6,818	115,527	53,463	11,103	17,584	82,150
Biodiesel .....	3,561	649	4,210	1,317	1,157	617	3,091
Renewable Diesel Fuel .....	–	–	–	–	–	–	–
Other Biofuels <sup>1</sup> .....	–	–	–	–	–	–	–
Unfinished Oils (net) .....	–	–	–	14	–	–	14
Naphthas and Lighter .....	–	–	–	–	–	–	–
Kerosene and Light Gas Oils .....	–	–	–	–	–	–	–
Heavy Gas Oils .....	–	–	–	14	–	–	14
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net) .....	944,458	61,217	1,005,675	465,583	90,858	141,114	697,555
Reformulated - RBOB .....	258,013	–	258,013	78,703	13,302	10,676	102,681
Conventional .....	686,445	61,217	747,662	386,880	77,556	130,438	594,874
CBOB .....	563,760	61,217	624,977	386,682	76,944	130,438	594,064
GTAB .....	36,893	–	36,893	–	–	–	–
Other .....	85,792	–	85,792	198	612	–	810
Aviation Gasoline Blend. Comp. (net) .....	–	–	–	–	–	–	–
<b>Total Input</b> .....	<b>1,068,189</b>	<b>68,684</b>	<b>1,136,873</b>	<b>520,837</b>	<b>103,810</b>	<b>162,405</b>	<b>787,052</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>545</b>	<b>31,972</b>	<b>1,855</b>	<b>309</b>	–	<b>34,681</b>	<b>657</b>	<b>442</b>	<b>51,483</b>
Natural Gas Liquids .....	545	31,972	1,855	309	–	34,681	657	442	51,483
Normal Butane .....	490	6,083	1,855	308	–	8,736	497	442	21,995
Isobutane .....	–	–	–	–	–	–	29	–	30
Natural Gasoline .....	55	25,889	–	1	–	25,945	131	–	29,458
<b>Other Liquids</b> .....	<b>214,724</b>	<b>98,627</b>	<b>34,185</b>	<b>103,583</b>	<b>15,848</b>	<b>466,967</b>	<b>70,118</b>	<b>500,551</b>	<b>2,945,858</b>
Oxygenates/Renewables .....	22,244	10,286	3,608	11,484	1,739	49,361	7,863	57,657	319,859
Biofuels (including Fuel Ethanol) .....	22,244	10,286	3,608	11,484	1,739	49,361	7,863	57,657	319,859
Fuel Ethanol .....	22,024	9,549	3,608	11,193	1,623	47,997	7,654	52,062	305,390
Biodiesel .....	220	630	–	291	116	1,257	209	4,424	13,191
Renewable Diesel Fuel .....	–	9	–	–	–	9	–	1,171	1,180
Other Biofuels <sup>1</sup> .....	–	98	–	–	–	98	–	–	98
Unfinished Oils (net) .....	-1	–	-41	–	–	-42	–	–	-28
Naphthas and Lighter .....	-1	–	112	–	–	111	–	–	111
Kerosene and Light Gas Oils .....	–	–	177	–	–	177	–	–	177
Heavy Gas Oils .....	–	–	-473	–	–	-473	–	–	-459
Residuum .....	–	–	143	–	–	143	–	–	143
Motor Gasoline Blend.Comp. (MGBC)(net) .....	192,481	88,341	30,618	92,099	14,109	417,648	62,255	442,894	2,626,027
Reformulated - RBOB .....	78,535	68,992	-49	99	–	147,577	–	320,039	828,310
Conventional .....	113,946	19,349	30,667	92,000	14,109	270,071	62,255	122,855	1,797,717
CBOB .....	113,946	-36,547	18,422	92,000	13,743	201,564	62,243	120,331	1,603,179
GTAB .....	–	–	–	–	–	–	–	–	36,893
Other .....	–	55,896	12,245	–	366	68,507	12	2,524	157,645
Aviation Gasoline Blend. Comp. (net) .....	–	–	–	–	–	–	–	–	–
<b>Total Input</b> .....	<b>215,269</b>	<b>130,599</b>	<b>36,040</b>	<b>103,892</b>	<b>15,848</b>	<b>501,648</b>	<b>70,775</b>	<b>500,993</b>	<b>2,997,341</b>

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

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

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

**Table 21. Blender Net Production of Petroleum Products by PAD Districts, 2022**  
(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 .....	1,064,641	68,073	1,132,714	519,757	102,648	161,783	784,188
Reformulated .....	415,774	564	416,338	91,871	17,022	11,861	120,754
Reformulated Blended with Fuel Ethanol .....	415,746	564	416,310	91,871	17,004	11,861	120,736
Reformulated Other .....	28	-	28	-	18	-	18
Conventional .....	648,867	67,509	716,376	427,886	85,626	149,922	663,434
Conventional Blended with Fuel Ethanol .....	657,395	67,529	724,924	434,282	89,788	150,650	674,720
Ed55 and Lower .....	656,567	67,529	724,096	433,976	89,221	148,892	672,089
Greater than Ed55 .....	828	-	828	306	567	1,758	2,631
Conventional Other .....	-8,528	-20	-8,548	-6,396	-4,162	-728	-11,286
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	-50	-	-50	-257	-26	-7	-290
Kerosene .....	-123	-4	-127	-27	-	-	-27
Distillate Fuel Oil .....	3,835	613	4,448	1,332	1,169	585	3,086
15 ppm sulfur and under .....	3,837	613	4,450	1,332	1,169	596	3,097
Greater than 15 ppm to 500 ppm sulfur .....	194	-	194	-	-	1,310	1,310
Greater than 500 ppm sulfur .....	-196	-	-196	-	-	-1,321	-1,321
Residual Fuel Oil .....	-156	-	-156	-37	-	-3	-40
Less than 0.31 percent sulfur .....	-124	-	-124	-	-	-	-
0.31 to 1.00 percent sulfur .....	-4	-	-4	-	-	-3	-3
Greater than 1.00 percent sulfur .....	-28	-	-28	-37	-	-	-37
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	60	-	60	51	9	44	104
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>1,068,207</b>	<b>68,682</b>	<b>1,136,889</b>	<b>520,819</b>	<b>103,800</b>	<b>162,402</b>	<b>787,021</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-18	2	-16	18	10	3	31

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 .....	215,050	129,987	36,192	103,616	15,733	500,578	70,561	495,442	2,983,483
Reformulated .....	86,458	79,614	-	-	-	166,072	-	358,297	1,061,461
Reformulated Blended with Fuel Ethanol .....	86,438	79,601	-	-	-	166,039	-	358,297	1,061,382
Reformulated Other .....	20	13	-	-	-	33	-	-	79
Conventional .....	128,592	50,373	36,192	103,616	15,733	334,506	70,561	137,145	1,922,022
Conventional Blended with Fuel Ethanol .....	130,839	14,197	35,980	109,989	16,381	307,386	74,617	156,701	1,938,348
Ed55 and Lower .....	130,681	14,189	35,980	109,721	16,370	306,941	74,313	156,623	1,934,062
Greater than Ed55 .....	158	8	-	268	11	445	304	78	4,286
Conventional Other .....	-2,247	36,176	212	-6,373	-648	27,120	-4,056	-19,556	-16,326
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	298	97	-	-3	392	757	-43	766
Kerosene .....	-	-304	6	-	-	-298	-	66	-386
Distillate Fuel Oil .....	219	751	-261	293	119	1,121	-553	5,457	13,559
15 ppm sulfur and under .....	219	751	-98	293	119	1,284	-553	5,396	13,674
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-54	-	-	-54	-	-	1,450
Greater than 500 ppm sulfur .....	-	-	-109	-	-	-109	-	61	-1,565
Residual Fuel Oil .....	-	-133	-125	-	-	-258	-	26	-428
Less than 0.31 percent sulfur .....	-	-	12	-	-	12	-	17	-95
0.31 to 1.00 percent sulfur .....	-	-	-	-	-	-	-	-109	-116
Greater than 1.00 percent sulfur .....	-	-133	-137	-	-	-270	-	118	-217
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	134	-	-	134	-	-	298
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>215,269</b>	<b>130,599</b>	<b>36,043</b>	<b>103,909</b>	<b>15,849</b>	<b>501,669</b>	<b>70,765</b>	<b>500,948</b>	<b>2,997,292</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	0	0	-3	-17	-1	-21	10	45	49

- = No Data Reported.  
 Note: Refer to Appendix A for Refining District descriptions.  
 Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."  
<sup>1</sup> Represents the arithmetic difference between input and production.

**Table 22. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(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>4,886</b>	<b>756</b>	<b>5,642</b>	<b>9,555</b>	<b>2,260</b>	<b>1,865</b>	<b>13,680</b>
<b>Petroleum Products</b> .....	<b>9,613</b>	<b>2,130</b>	<b>11,743</b>	<b>28,126</b>	<b>7,511</b>	<b>11,246</b>	<b>46,883</b>
Hydrocarbon Gas Liquids .....	576	42	618	2,153	399	1,345	3,897
Natural Gas Liquids .....	423	42	465	1,816	370	1,328	3,514
Ethane .....	—	—	—	—	—	—	—
Propane .....	103	2	105	484	48	724	1,256
Normal Butane .....	252	26	278	945	284	148	1,377
Isobutane .....	68	14	82	233	38	223	494
Natural Gasoline .....	—	—	—	154	—	233	387
Refinery Olefins .....	153	0	153	337	29	17	383
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	137	0	137	336	29	7	372
Normal Butylene .....	0	0	0	1	0	10	11
Isobutylene .....	16	0	16	0	0	0	0
Biofuels/Other Hydrocarbons .....	101	87	188	40	56	27	123
Biofuels (including Fuel Ethanol) .....	101	87	188	30	56	27	113
Fuel Ethanol .....	101	78	179	24	47	23	94
Biodiesel .....	—	9	9	6	9	4	19
Renewable Diesel Fuel .....	—	—	—	—	—	—	—
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	10	—	—	10
Unfinished Oils .....	3,092	341	3,433	8,538	714	3,936	13,188
Naphthas and Lighter .....	665	190	855	1,740	154	1,041	2,935
Kerosene and Light Gas Oils .....	431	—	431	2,117	341	348	2,806
Heavy Gas Oils .....	1,400	144	1,544	3,279	219	1,756	5,254
Residuum .....	596	7	603	1,402	—	791	2,193
Motor Gasoline Blending Components (MGBC) .....	2,992	242	3,234	7,690	1,935	2,954	12,579
Reformulated - RBOB .....	1,281	—	1,281	777	—	—	777
Conventional .....	1,711	242	1,953	6,913	1,935	2,954	11,802
CBOB .....	43	186	229	2,824	1,072	2,033	5,929
GTAB .....	—	—	—	—	—	—	—
Other .....	1,668	56	1,724	4,089	863	921	5,873
Aviation Gasoline Blending Components .....	—	—	—	—	—	—	—
Finished Motor Gasoline .....	—	19	19	258	82	150	490
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	—	19	19	258	82	150	490
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	—	19	19	258	82	150	490
Finished Aviation Gasoline .....	—	—	—	—	62	—	62
Kerosene-Type Jet Fuel .....	508	—	508	1,190	216	225	1,631
Kerosene .....	78	6	84	62	—	32	94
Distillate Fuel Oil .....	1,101	279	1,380	3,153	909	1,706	5,768
15 ppm sulfur and under .....	867	171	1,038	3,031	783	1,492	5,306
Greater than 15 ppm to 500 ppm sulfur .....	35	91	126	—	—	103	103
Greater than 500 ppm sulfur .....	199	17	216	122	126	111	359
Residual Fuel Oil .....	347	20	367	779	204	82	1,065
Less than 0.31 percent sulfur .....	—	18	18	216	—	—	216
0.31 to 1.00 percent sulfur .....	100	2	102	140	75	27	242
Greater than 1.00 percent sulfur .....	247	—	247	423	129	55	607
Petrochemical Feedstocks .....	—	—	—	528	—	—	528
Naphtha for Petro. Feed. Use .....	—	—	—	393	—	—	393
Other Oils for Petro. Feed. Use .....	—	—	—	135	—	—	135
Special Naphthas .....	—	34	34	65	—	10	75
Lubricants .....	665	305	970	—	—	227	227
Waxes .....	—	221	221	—	—	47	47
Petroleum Coke .....	—	—	—	864	1,530	225	2,619
Marketable .....	—	—	—	864	1,530	225	2,619
Catalyst .....	—	—	—	—	—	—	—
Asphalt and Road Oil .....	137	484	621	2,718	1,370	270	4,358
Miscellaneous Products .....	16	50	66	88	34	10	132
<b>Total Stocks, All Oils</b> .....	<b>14,499</b>	<b>2,886</b>	<b>17,385</b>	<b>37,681</b>	<b>9,771</b>	<b>13,111</b>	<b>60,563</b>

See footnotes at end of table.

**Table 22. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, 2022**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>1,907</b>	<b>27,699</b>	<b>14,311</b>	<b>1,154</b>	<b>270</b>	<b>45,341</b>	<b>2,449</b>	<b>20,535</b>	<b>87,647</b>
<b>Petroleum Products</b>	<b>10,602</b>	<b>56,946</b>	<b>41,556</b>	<b>3,883</b>	<b>1,129</b>	<b>114,116</b>	<b>10,451</b>	<b>49,914</b>	<b>233,107</b>
Hydrocarbon Gas Liquids	2,888	1,893	1,352	13	59	6,205	408	1,321	12,449
Natural Gas Liquids	2,167	1,533	1,192	12	59	4,963	330	1,304	10,576
Ethane	17	1	—	—	—	18	—	—	18
Propane	450	400	72	3	3	928	41	130	2,460
Normal Butane	1,397	897	485	6	55	2,840	210	898	5,603
Isobutane	240	209	342	3	1	795	74	274	1,719
Natural Gasoline	63	26	293	—	—	382	5	2	776
Refinery Olefins	721	360	160	1	0	1,242	78	17	1,873
Ethylene	0	0	—	—	—	0	—	—	0
Propylene	704	45	56	0	0	805	10	14	1,338
Normal Butylene	17	315	104	1	0	437	68	3	519
Isobutylene	0	0	0	0	0	0	0	0	16
Biofuels/Other Hydrocarbons	48	1,075	142	27	8	1,300	104	1,277	2,992
Biofuels (including Fuel Ethanol)	48	1,075	142	27	8	1,300	104	1,277	2,982
Fuel Ethanol	30	1,055	96	20	4	1,205	94	173	1,745
Biodiesel	18	20	46	7	4	95	10	7	140
Renewable Diesel Fuel	—	—	—	—	—	—	—	1,097	1,097
Other Biofuels <sup>1</sup>	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	10
Unfinished Oils	2,802	23,743	13,620	1,114	574	41,853	2,995	17,816	79,285
Naphthas and Lighter	1,201	6,475	1,644	256	152	9,728	640	2,517	16,675
Kerosene and Light Gas Oils	541	3,759	1,621	187	247	6,355	709	3,004	13,305
Heavy Gas Oils	605	10,440	7,694	557	175	19,471	943	8,907	36,119
Residuum	455	3,069	2,661	114	—	6,299	703	3,388	13,186
Motor Gasoline Blending Components (MGBC)	2,645	11,195	10,706	208	177	24,931	3,041	13,958	57,743
Reformulated - RBOB	159	832	161	—	6	1,158	—	5,443	8,659
Conventional	2,486	10,363	10,545	208	171	23,773	3,041	8,515	49,084
CBOB	1,327	3,297	5,645	143	23	10,435	1,685	2,428	20,706
GTAB	—	—	—	—	—	—	—	—	—
Other	1,159	7,066	4,900	65	148	13,338	1,356	6,087	28,378
Aviation Gasoline Blending Components	20	—	13	—	—	33	—	—	33
Finished Motor Gasoline	77	1,979	1,458	38	6	3,558	778	743	5,588
Reformulated	—	—	—	—	—	—	—	15	15
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	15	15
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	77	1,979	1,458	38	6	3,558	778	728	5,573
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	58	—	58
Ed55 and Lower	—	—	—	—	—	—	58	—	58
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	77	1,979	1,458	38	6	3,558	720	728	5,515
Finished Aviation Gasoline	48	199	147	—	—	394	9	205	670
Kerosene-Type Jet Fuel	262	2,041	1,816	29	—	4,148	372	3,506	10,165
Kerosene	28	22	1	3	—	54	2	2	236
Distillate Fuel Oil	866	6,120	5,354	335	15	12,690	1,650	5,346	26,834
15 ppm sulfur and under	849	4,974	4,303	209	15	10,350	1,509	4,779	22,982
Greater than 15 ppm to 500 ppm sulfur	17	115	372	30	—	534	93	199	1,055
Greater than 500 ppm sulfur	—	1,031	679	96	—	1,806	48	368	2,797
Residual Fuel Oil	219	2,455	1,889	12	113	4,688	210	2,610	8,940
Less than 0.31 percent sulfur	24	—	36	—	—	60	26	36	356
0.31 to 1.00 percent sulfur	61	599	298	12	—	970	4	430	1,748
Greater than 1.00 percent sulfur	134	1,856	1,555	—	113	3,658	180	2,144	6,836
Petrochemical Feedstocks	57	1,295	504	4	—	1,860	—	—	2,388
Naphtha for Petro. Feed. Use	55	865	466	4	—	1,390	—	—	1,783
Other Oils for Petro. Feed. Use	2	430	38	—	—	470	—	—	605
Special Naphthas	73	499	—	183	—	755	—	32	896
Lubricants	45	2,331	2,617	921	—	5,914	—	794	7,905
Waxes	—	107	129	97	—	333	—	—	601
Petroleum Coke	40	1,570	1,284	—	—	2,894	97	1,264	6,874
Marketable	40	1,570	1,284	—	—	2,894	97	1,264	6,874
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	316	179	412	898	150	1,955	769	962	8,665
Miscellaneous Products	168	243	112	1	27	551	16	78	843
<b>Total Stocks, All Oils</b>	<b>12,509</b>	<b>84,645</b>	<b>55,867</b>	<b>5,037</b>	<b>1,399</b>	<b>159,457</b>	<b>12,900</b>	<b>70,449</b>	<b>320,754</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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 23. Percent Yield of Petroleum Products by PAD and Refining Districts, 2022**

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 .....	2.9	1.1	2.7	3.6	1.2	2.3	2.9
Finished Motor Gasoline <sup>1</sup> .....	47.2	36.3	46.1	50.9	49.5	49.4	50.4
Finished Aviation Gasoline <sup>2</sup> .....	-	-	-	-	0.1	-	0.0
Kerosene-Type Jet Fuel .....	12.8	-	11.4	8.4	5.2	3.5	6.8
Kerosene .....	0.4	0.1	0.3	0.1	-	0.1	0.1
Distillate Fuel Oil <sup>3</sup> .....	26.3	26.0	26.2	26.6	32.8	38.9	30.2
Residual Fuel Oil .....	6.0	0.2	5.4	1.1	1.0	0.6	1.0
Naphtha for Petro. Feed. Use .....	-	-	-	0.7	-	-	0.4
Other Oils for Petro. Feed. Use .....	-	-	-	0.5	-	0.0	0.3
Special Naphthas .....	-	0.4	0.0	-0.1	-	0.0	0.0
Lubricants .....	0.9	7.5	1.6	-	-	0.8	0.2
Waxes .....	-	-0.4	0.0	-	-	0.1	0.0
Petroleum Coke .....	3.1	0.6	2.9	5.1	5.9	3.5	4.8
Asphalt and Road Oil .....	1.8	23.6	4.1	4.9	7.5	1.3	4.4
Still Gas .....	3.8	1.5	3.5	3.5	3.9	4.1	3.7
Miscellaneous Products .....	0.2	1.6	0.4	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-5.3	1.6	-4.6	-5.6	-7.9	-4.7	-5.7

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	3.6	5.3	4.8	0.4	0.9	4.8	1.9	1.8	3.7
Finished Motor Gasoline <sup>1</sup> .....	52.1	43.6	43.2	29.7	52.5	43.8	48.1	50.6	46.5
Finished Aviation Gasoline <sup>2</sup> .....	0.4	0.1	0.1	-	-	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel .....	7.2	9.8	9.9	1.4	-	9.3	5.6	17.8	9.9
Kerosene .....	0.0	0.1	0.0	0.2	-	0.1	0.0	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	31.1	32.2	34.2	36.3	38.2	33.0	33.8	20.3	30.3
Residual Fuel Oil .....	1.5	1.0	0.8	-0.1	1.2	0.9	1.9	3.5	1.6
Naphtha for Petro. Feed. Use .....	0.4	1.5	1.2	-	-	1.2	-	-	0.8
Other Oils for Petro. Feed. Use .....	0.0	1.1	1.1	-	-	1.0	-	-	0.6
Special Naphthas .....	0.3	0.5	-	2.7	-	0.4	-	0.0	0.2
Lubricants .....	0.1	1.1	1.5	11.2	-	1.4	-	0.5	1.0
Waxes .....	-	0.0	0.1	0.3	-	0.1	-	-	0.0
Petroleum Coke .....	2.2	5.7	5.2	2.0	0.8	5.1	3.5	5.6	4.9
Asphalt and Road Oil .....	0.9	0.2	0.7	15.2	2.1	0.9	5.7	1.2	2.1
Still Gas .....	3.9	4.4	3.5	3.6	2.7	4.0	3.6	5.2	4.1
Miscellaneous Products .....	0.7	0.7	0.5	0.2	1.7	0.6	0.7	0.6	0.6
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.4	-7.2	-6.7	-3.1	0.1	-6.6	-4.7	-7.2	-6.3

- = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas liquids, fuel ethanol, 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, renewable diesel fuel, and other biofuels.

<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 18 and 19.

**Table 24. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, 2022**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>PAD District 1</b> .....	<b>1,608</b>	<b>8,107</b>	<b>14,789</b>	<b>24,504</b>
Connecticut .....	-	-	-	-
Delaware .....	-	331	-	331
Florida .....	-	1,419	4,926	6,345
Georgia .....	-	260	548	808
Maine .....	-	-	-	-
Maryland .....	-	-	50	50
Massachusetts .....	-	-	-	-
New Hampshire .....	-	-	-	-
New Jersey .....	433	5,600	9,162	15,195
New York .....	17	192	-	209
North Carolina .....	-	-	-	-
Pennsylvania .....	1,158	303	50	1,511
Rhode Island .....	-	-	-	-
South Carolina .....	-	-	53	53
Vermont .....	-	2	-	2
Virginia .....	-	-	-	-
West Virginia .....	-	-	-	-
<b>PAD District 2</b> .....	<b>-</b>	<b>109</b>	<b>1,351</b>	<b>1,460</b>
Illinois .....	-	-	-	-
Indiana .....	-	-	-	-
Michigan .....	-	6	659	665
Minnesota .....	-	46	162	208
North Dakota .....	-	57	530	587
Ohio .....	-	-	-	-
Wisconsin .....	-	-	-	-
<b>PAD District 3</b> .....	<b>880</b>	<b>2,021</b>	<b>41,360</b>	<b>44,261</b>
Alabama .....	-	-	-	-
Louisiana .....	880	412	4,649	5,941
Mississippi .....	-	-	10,784	10,784
New Mexico .....	-	-	-	-
Texas .....	-	1,609	25,927	27,536
<b>PAD District 4</b> .....	<b>-</b>	<b>-</b>	<b>90</b>	<b>90</b>
Idaho .....	-	-	75	75
Montana .....	-	-	15	15
<b>PAD District 5</b> .....	<b>-</b>	<b>1,861</b>	<b>1,467</b>	<b>3,328</b>
Alaska .....	-	-	-	-
California .....	-	599	1,131	1,730
Hawaii .....	-	-	-	-
Oregon .....	-	-	38	38
Washington .....	-	1,262	298	1,560
<b>U.S. Total</b> .....	<b>2,488</b>	<b>12,098</b>	<b>59,057</b>	<b>73,643</b>

- = No Data Reported.

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

**Table 25. Imports of Crude Oil and Petroleum Products by PAD District, 2022**  
(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>224,776</b>	<b>927,832</b>	<b>597,650</b>	<b>101,395</b>	<b>441,020</b>	<b>2,292,673</b>	<b>6,281</b>
<b>Hydrocarbon Gas Liquids</b>	<b>14,585</b>	<b>27,030</b>	<b>99</b>	<b>5,133</b>	<b>16,755</b>	<b>63,602</b>	<b>174</b>
Natural Gas Liquids	11,467	24,651	48	5,133	16,755	58,054	159
Ethane	—	—	—	—	—	—	—
Propane	10,769	16,300	16	4,848	9,966	41,899	115
Normal Butane	496	5,962	30	262	6,673	13,423	37
Isobutane	202	2,339	—	22	116	2,679	7
Natural Gasoline	—	50	2	1	—	53	0
Refinery Olefins	3,118	2,379	51	—	—	5,548	15
Ethylene	—	—	—	—	—	—	—
Propylene	3,118	1,493	—	—	—	4,611	13
Normal Butylene	—	886	51	—	—	937	3
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>179,278</b>	<b>6,329</b>	<b>175,121</b>	<b>1,022</b>	<b>43,173</b>	<b>404,923</b>	<b>1,109</b>
Hydrogen/Biofuels/Other Hydrocarbons	3,100	1,060	1,161	112	8,530	13,963	38
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	3,100	1,060	1,161	112	8,530	13,963	38
Fuel Ethanol	444	—	—	7	1,194	1,645	5
Biodiesel	2,656	1,060	1,059	105	1,070	5,950	16
Renewable Diesel Fuel	—	—	—	—	6,254	6,254	17
Other Biofuels <sup>3</sup>	—	—	102	—	12	114	0
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils <sup>1</sup>	13,891	—	157,831	345	22,243	194,310	532
Naphthas and Lighter	4,230	—	90	—	199	4,519	12
Kerosene and Lighter Gas Oils	—	—	—	46	—	46	0
Heavy Gas Oils	9,661	—	80,137	299	21,842	111,939	307
Residuum	—	—	77,604	—	202	77,806	213
Motor Gasoline Blend.Comp. (MGBC)	162,287	5,269	16,129	565	12,400	196,650	539
Reformulated - RBOB	55,558	—	417	—	1,615	57,590	158
Conventional	106,729	5,269	15,712	565	10,785	139,060	381
CBOB	16,311	1,605	—	—	1,057	18,973	52
GTAB	28,693	—	341	—	300	29,334	80
Other	61,725	3,664	15,371	565	9,428	90,753	249
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>134,916</b>	<b>17,826</b>	<b>69,113</b>	<b>3,004</b>	<b>53,963</b>	<b>278,822</b>	<b>764</b>
Finished Motor Gasoline	27,657	—	179	20	8,691	36,547	100
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	27,657	—	179	20	8,691	36,547	100
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	27,657	—	179	20	8,691	36,547	100
Finished Aviation Gasoline	247	48	98	6	24	423	1
Kerosene-Type Jet Fuel	11,490	34	124	311	31,748	43,707	120
Bonded Aircraft Fuel	1,423	—	—	—	5,817	7,240	20
Other	10,067	34	124	311	25,931	36,467	100
Kerosene	100	—	—	—	18	118	0
Distillate Fuel Oil	55,187	3,534	328	1,624	7,955	68,628	188
15 ppm sulfur and under	54,951	3,343	193	1,621	6,504	66,612	182
Bonded	—	—	—	—	—	—	—
Other	54,951	3,343	193	1,621	6,504	66,612	182
Greater than 15 ppm to 500 ppm sulfur	174	55	25	—	1,260	1,514	4
Bonded	—	—	—	—	—	—	—
Other	174	55	25	—	1,260	1,514	4
Greater than 500 ppm to 2000 ppm sulfur	62	136	110	3	1	312	1
Bonded	—	—	—	—	—	—	—
Other	62	136	110	3	1	312	1
Greater than 2000 ppm	—	—	—	—	190	190	1
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	190	190	1
Residual Fuel Oil	24,504	1,460	44,261	90	3,328	73,643	202
Less than 0.31 percent sulfur	1,608	—	880	—	—	2,488	7
0.31 to 1.00 percent sulfur	8,107	109	2,021	—	1,861	12,098	33
Greater than 1.00 percent sulfur	14,789	1,351	41,360	90	1,467	59,057	162
Petrochemical Feedstocks	1,124	1,773	2,493	—	349	5,739	16
Naphtha for Petro. Feed. Use	1,112	1,041	2,060	—	349	4,562	12
Other Oils for Petro. Feed. Use	12	732	433	—	—	1,177	3
Special Naphthas	121	85	4,502	3	333	5,044	14
Lubricants	1,525	2,571	13,406	—	351	17,853	49
Waxes	1,144	155	467	—	351	2,117	6
Petroleum Coke (Marketable)	12	261	3,196	—	—	3,469	10
Asphalt and Road Oil	11,805	7,905	59	950	815	21,534	59
Miscellaneous Products	—	—	—	—	—	—	—
<b>Total</b>	<b>553,555</b>	<b>979,017</b>	<b>841,983</b>	<b>110,554</b>	<b>554,911</b>	<b>3,040,020</b>	<b>8,329</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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

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

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2022**  
(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>357,261</b>	<b>1,682</b>	<b>-</b>	<b>69,966</b>	<b>-</b>	<b>722</b>	<b>722</b>	<b>1,380</b>	<b>12,605</b>	<b>13,985</b>
Algeria .....	5,838	506	-	13,526	-	-	-	18	295	313
Angola .....	15,612	16	-	250	-	18	18	-	1,235	1,235
Congo (Brazzaville) .....	1,897	237	-	7	-	-	-	-	-	-
Equatorial Guinea .....	-	813	-	-	-	-	-	-	-	-
Gabon .....	708	-	-	-	-	-	-	-	-	-
Iran .....	507	-	-	-	-	-	-	-	-	-
Iraq .....	89,152	-	-	24,239	-	-	-	-	-	-
Kuwait .....	9,701	-	-	2,311	-	-	-	17	-	17
Libya .....	28,706	-	-	46	-	-	-	-	-	-
Nigeria .....	34,448	110	-	717	-	-	-	-	2,499	2,499
Saudi Arabia .....	166,304	-	-	22,407	-	704	704	1,063	8,355	9,418
United Arab Emirates .....	4,388	-	-	6,463	-	-	-	282	221	503
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>1,935,412</b>	<b>56,372</b>	<b>5,548</b>	<b>124,344</b>	<b>-</b>	<b>35,825</b>	<b>35,825</b>	<b>56,210</b>	<b>126,455</b>	<b>182,665</b>
Argentina .....	22,792	55	-	235	-	30	30	-	2,584	2,584
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	700	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	4,755	4,755	817	4,781	5,598
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	1,837	-	3,207	3,207	727	1,787	2,514
Brazil .....	53,074	-	-	5,065	-	-	-	-	2,482	2,482
Brunei .....	-	-	-	-	-	-	-	-	287	287
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	1,386,375	55,702	5,497	8,244	-	5,268	5,268	24,123	18,246	42,369
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	81,440	-	-	727	-	-	-	-	14	14
Denmark .....	-	-	-	258	-	1	1	13	281	294
Ecuador .....	51,974	-	-	8,201	-	-	-	-	-	-
Egypt .....	-	-	-	1,366	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	100	-	41	41	-	6,044	6,044
France .....	-	-	-	1,855	-	2,513	2,513	1,179	3,635	4,814
Germany .....	-	2	-	278	-	390	390	17	791	808
Guatemala .....	868	-	-	-	-	-	-	-	-	-
India .....	-	-	-	1,444	-	400	400	677	19,507	20,184
Indonesia .....	1,184	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	2,721	-	1,869	1,869	325	8,019	8,344
Korea, South .....	-	7	-	50	-	4,882	4,882	-	4,804	4,804
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	113	-	1,578	1,578	53	752	805
Malaysia .....	-	-	-	7,300	-	-	-	-	621	621
Mexico .....	232,426	-	25	32,233	-	-	-	-	1,572	1,572
Netherlands .....	-	-	-	3,123	-	3,411	3,411	10,471	6,285	16,756
Norway .....	6,857	196	-	-	-	1,938	1,938	2,147	3,402	5,549
Oman .....	-	-	-	581	-	-	-	-	308	308
Portugal .....	-	-	-	-	-	348	348	3	7,630	7,633
Qatar .....	-	-	-	566	-	8	8	8	12	20
Russia .....	7,390	-	-	35,999	-	331	331	-	2,302	2,302
Spain .....	-	-	-	1,276	-	1,451	1,451	420	10,118	10,538
Sweden .....	-	-	-	88	-	250	250	11	2,513	2,524
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	16,033	213	-	-	-	39	39	-	-	-
United Kingdom .....	14,211	-	-	1,659	-	2,091	2,091	14,622	5,086	19,708
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	58,191	-40	26	9,018	-	1,024	1,024	597	12,592	13,189
<b>Total</b> .....	<b>2,292,673</b>	<b>58,054</b>	<b>5,548</b>	<b>194,310</b>	<b>-</b>	<b>36,547</b>	<b>36,547</b>	<b>57,590</b>	<b>139,060</b>	<b>196,650</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>270,052</b>	<b>-</b>	<b>-</b>	<b>55,986</b>	<b>-</b>	<b>712</b>	<b>712</b>	<b>1,370</b>	<b>8,588</b>	<b>9,958</b>

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b>	—	—	10	—	3,132	—	—	—	3,132	100	81
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	22	—	—	—	22	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	645	—	—	—	645	—	—
Saudi Arabia	—	—	—	—	2,417	—	—	—	2,417	—	—
United Arab Emirates	—	—	10	—	48	—	—	—	48	100	81
Venezuela	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	1,645	5,950	6,244	114	63,480	1,514	312	190	65,496	18	342
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	99	—	—	805	—	62	—	867	—	—
Brazil	1,638	—	—	—	57	25	—	—	82	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	7	2,937	—	—	47,671	129	140	—	47,940	—	65
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	717	—	—	—	717	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	190	190	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	49
Finland	—	—	—	102	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	1,830	—	—	20	—	—	—	20	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	857	100	—	—	957	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	296	—	—	—	—	—	—	—	—	—
Korea, South	—	298	—	—	2,053	1,260	—	—	3,313	18	13
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	1	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	94	—	3,770	—	—	—	3,770	—	215
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	494	—	—	—	494	—	—
Portugal	—	—	—	—	256	—	—	—	256	—	—
Qatar	—	—	—	—	3,889	—	—	—	3,889	—	—
Russia	—	—	—	—	2,157	—	110	—	2,267	—	—
Spain	—	490	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	6,150	11	734	0	0	0	734	0	0
<b>Total</b>	1,645	5,950	6,254	114	66,612	1,514	312	190	68,628	118	423
<b>Persian Gulf<sup>4</sup></b>	—	—	10	—	6,376	—	—	—	6,376	100	81

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b>	—	4,079	28	1,229	62	2,740	4,031	70	—
Algeria	—	121	—	1,229	—	5	1,234	—	—
Angola	—	—	—	—	—	—	—	70	—
Congo (Brazzaville)	—	—	—	—	62	30	92	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	277	277	—	—
Kuwait	—	3,287	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	396	28	—	—	2,424	2,424	—	—
United Arab Emirates	—	275	—	—	—	4	4	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	39,628	5,016	1,259	12,036	56,317	69,612	4,492	1,177
Argentina	—	—	—	—	668	1	669	—	113
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	32	1,179	1,211	—	—
Bahrain	—	—	—	—	—	282	282	—	—
Belgium	—	14	—	—	983	684	1,667	—	—
Brazil	—	—	—	—	92	6,598	6,690	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3,635	1,531	371	1,386	5,122	6,879	1,117	846
Chad	—	—	—	—	—	—	—	—	—
China	—	1,777	—	—	—	—	—	—	—
Colombia	—	—	—	—	225	4,893	5,118	—	—
Denmark	—	—	—	—	384	—	384	—	—
Ecuador	—	—	—	—	100	1,152	1,252	—	—
Egypt	—	—	—	—	27	—	27	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	102	102	69	121
Germany	—	1	51	145	804	53	1,002	52	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	1,513	—	—	—	—	—	467	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	450	450	74	—
Korea, South	—	23,202	2,898	—	—	—	—	322	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,119	1,119	—	—
Malaysia	—	—	—	—	—	677	677	—	—
Mexico	—	10	37	—	616	26,869	27,485	1,008	87
Netherlands	—	—	201	—	533	1,234	1,767	8	—
Norway	—	—	—	—	361	—	361	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	565	—	—	—	—	—	9	—
Russia	—	—	—	—	1,097	4,388	5,485	—	—
Spain	—	—	38	—	683	8	691	25	—
Sweden	—	—	—	—	396	32	428	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	4	—	419	315	734	101	10
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	8,911	256	743	3,168	1,129	5,040	1,240	0
<b>Total</b>	—	<b>43,707</b>	<b>5,044</b>	<b>2,488</b>	<b>12,098</b>	<b>59,057</b>	<b>73,643</b>	<b>4,562</b>	<b>1,177</b>
<b>Persian Gulf<sup>4</sup></b>	—	<b>4,523</b>	<b>28</b>	—	—	<b>2,987</b>	<b>2,987</b>	<b>9</b>	—

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b>	—	155	—	2,270	—	100,311	457,572	979	275	1,254
Algeria	—	—	—	—	—	15,700	21,538	16	43	59
Angola	—	—	—	—	—	1,589	17,201	43	4	47
Congo (Brazzaville)	—	—	—	—	—	336	2,233	5	1	6
Equatorial Guinea	—	—	—	—	—	813	813	—	2	2
Gabon	—	—	—	—	—	—	708	2	—	2
Iran	—	—	—	—	—	—	507	1	—	1
Iraq	—	—	—	—	—	24,516	113,668	244	67	311
Kuwait	—	155	—	—	—	5,792	15,493	27	16	42
Libya	—	—	—	—	—	46	28,752	79	0	79
Nigeria	—	—	—	—	—	3,971	38,419	94	11	105
Saudi Arabia	—	—	—	64	—	37,858	204,162	456	104	559
United Arab Emirates	—	—	—	2,206	—	9,690	14,078	12	27	39
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	2,117	3,314	21,534	15,583	—	647,036	2,582,448	5,302	1,773	7,075
Argentina	—	1,034	—	54	—	4,774	27,566	62	13	76
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	700	2	—	2
Bahamas	—	—	—	—	—	11,564	11,564	—	32	32
Bahrain	—	—	—	678	—	960	960	—	3	3
Belgium	—	—	—	35	—	10,240	10,240	—	28	28
Brazil	—	1,340	—	—	—	17,299	70,373	145	47	193
Brunei	—	—	—	—	—	287	287	—	1	1
Cameroon	—	—	—	—	—	1	1	—	0	0
Canada	1,122	256	19,998	3,462	—	206,875	1,593,250	3,798	567	4,365
Chad	—	—	—	—	—	—	—	—	—	—
China	301	—	—	—	—	2,108	2,108	—	6	6
Colombia	—	112	230	—	—	6,918	88,358	223	19	242
Denmark	—	—	—	23	—	960	960	—	3	3
Ecuador	—	—	—	—	—	9,643	61,617	142	26	169
Egypt	22	—	—	—	—	1,415	1,415	—	4	4
Estonia	—	—	—	—	—	49	49	—	0	0
Finland	—	—	—	—	—	6,287	6,287	—	17	17
France	—	—	—	128	—	9,602	9,602	—	26	26
Germany	—	139	—	146	—	4,719	4,719	—	13	13
Guatemala	—	—	—	—	—	—	868	2	—	2
India	—	—	—	9	—	24,974	24,974	—	68	68
Indonesia	—	—	—	1,246	—	1,246	2,430	3	3	7
Italy	—	—	98	173	—	14,025	14,025	—	38	38
Korea, South	7	—	—	4,337	—	44,151	44,151	—	121	121
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	3,615	3,615	—	10	10
Malaysia	226	—	—	—	—	8,825	8,825	—	24	24
Mexico	—	—	—	—	—	62,457	294,883	637	171	808
Netherlands	—	—	117	815	—	30,277	30,277	—	83	83
Norway	—	—	—	—	—	8,044	14,901	19	22	41
Oman	—	133	—	65	—	1,581	1,581	—	4	4
Portugal	—	—	—	—	—	8,237	8,237	—	23	23
Qatar	—	—	—	4,125	—	9,182	9,182	—	25	25
Russia	—	—	—	5	—	46,389	53,779	20	127	147
Spain	13	202	591	—	—	15,315	15,315	—	42	42
Sweden	—	5	—	7	—	3,302	3,302	—	9	9
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	252	16,285	44	1	45
United Kingdom	85	35	—	52	—	24,479	38,690	39	67	106
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	341	58	500	223	—	46,648	104,839	161	129	286
<b>Total</b>	<b>2,117</b>	<b>3,469</b>	<b>21,534</b>	<b>17,853</b>	<b>—</b>	<b>747,347</b>	<b>3,040,020</b>	<b>6,281</b>	<b>2,048</b>	<b>8,329</b>
<b>Persian Gulf<sup>4</sup></b>	<b>—</b>	<b>155</b>	<b>—</b>	<b>7,073</b>	<b>—</b>	<b>87,998</b>	<b>358,050</b>	<b>740</b>	<b>241</b>	<b>981</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</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 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(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>108,018</b>	<b>1,252</b>	<b>—</b>	<b>1,799</b>	<b>—</b>	<b>344</b>	<b>344</b>	<b>829</b>	<b>11,781</b>	<b>12,610</b>
Algeria	5,838	506	—	—	—	—	—	18	295	313
Angola	12,855	—	—	250	—	18	18	—	1,235	1,235
Congo (Brazzaville)	932	237	—	7	—	—	—	—	—	—
Equatorial Guinea	—	509	—	—	—	—	—	—	—	—
Gabon	708	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	346	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	15	—	15
Libya	20,271	—	—	—	—	—	—	—	—	—
Nigeria	34,448	—	—	717	—	—	—	—	2,499	2,499
Saudi Arabia	32,966	—	—	479	—	326	326	514	7,531	8,045
United Arab Emirates	—	—	—	—	—	—	—	282	221	503
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>116,758</b>	<b>10,215</b>	<b>3,118</b>	<b>12,092</b>	<b>—</b>	<b>27,313</b>	<b>27,313</b>	<b>54,729</b>	<b>94,948</b>	<b>149,677</b>
Argentina	2,936	—	—	235	—	30	30	—	1,833	1,833
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	4,312	4,312	817	4,436	5,253
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	194	—	3,207	3,207	727	1,588	2,315
Brazil	—	—	—	—	—	—	—	—	1,973	1,973
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	47,070	10,016	3,118	—	—	3,723	3,723	24,123	12,000	36,123
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	1,493	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	1	1	13	181	194
Ecuador	—	—	—	697	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	100	—	41	41	—	5,667	5,667
France	—	—	—	612	—	2,377	2,377	1,177	3,403	4,580
Germany	—	—	—	4	—	390	390	17	561	578
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	333	—	—	—	623	12,872	13,495
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	203	—	1,869	1,869	233	7,139	7,372
Korea, South	—	—	—	50	—	—	—	—	361	361
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,578	1,578	53	734	787
Malaysia	—	—	—	—	—	—	—	—	437	437
Mexico	21,843	—	—	3,354	—	—	—	—	1,341	1,341
Netherlands	—	—	—	302	—	3,411	3,411	9,471	5,921	15,392
Norway	6,857	196	—	—	—	1,938	1,938	2,147	3,334	5,481
Oman	—	—	—	—	—	—	—	—	308	308
Portugal	—	—	—	—	—	348	348	3	7,350	7,353
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	3,098	—	—	2,793	—	—	—	—	2,153	2,153
Spain	—	—	—	775	—	1,451	1,451	420	9,542	9,962
Sweden	—	—	—	—	—	250	250	11	2,247	2,258
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	3,323	—	—	—	—	39	39	—	—	—
United Kingdom	5,089	—	—	882	—	2,006	2,006	14,622	3,696	18,318
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	24,341	3	0	1,558	—	342	342	272	5,871	6,143
<b>Total</b>	<b>224,776</b>	<b>11,467</b>	<b>3,118</b>	<b>13,891</b>	<b>—</b>	<b>27,657</b>	<b>27,657</b>	<b>55,558</b>	<b>106,729</b>	<b>162,287</b>
<b>Persian Gulf<sup>4</sup></b>	<b>32,966</b>	<b>—</b>	<b>—</b>	<b>825</b>	<b>—</b>	<b>326</b>	<b>326</b>	<b>811</b>	<b>7,752</b>	<b>8,563</b>

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	—	—	—	—	3,132	—	—	—	3,132	100	81
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	22	—	—	—	22	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	645	—	—	—	645	—	—
Saudi Arabia .....	—	—	—	—	2,417	—	—	—	2,417	—	—
United Arab Emirates .....	—	—	—	—	48	—	—	—	48	100	81
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	444	2,656	—	—	51,819	174	62	—	52,055	—	166
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	99	—	—	805	—	62	—	867	—	—
Brazil .....	444	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	787	—	—	37,727	74	—	—	37,801	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	717	—	—	—	717	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	1,391	—	—	20	—	—	—	20	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	857	100	—	—	957	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	79	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	928	—	—	—	928	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	3,770	—	—	—	3,770	—	166
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	494	—	—	—	494	—	—
Portugal .....	—	—	—	—	256	—	—	—	256	—	—
Qatar .....	—	—	—	—	3,889	—	—	—	3,889	—	—
Russia .....	—	—	—	—	2,021	—	—	—	2,021	—	—
Spain .....	—	300	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	—	335	0	0	—	335	0	0
<b>Total</b> .....	444	2,656	—	—	54,951	174	62	—	55,187	100	247
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	—	6,376	—	—	—	6,376	100	81

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b>	—	4,079	—	349	62	1,091	1,502	70	—
Algeria	—	121	—	349	—	5	354	—	—
Angola	—	—	—	—	—	—	—	70	—
Congo (Brazzaville)	—	—	—	—	62	30	92	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	144	144	—	—
Kuwait	—	3,287	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	396	—	—	—	908	908	—	—
United Arab Emirates	—	275	—	—	—	4	4	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	7,411	121	1,259	8,045	13,698	23,002	1,042	12
Argentina	—	—	—	—	668	1	669	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	32	324	356	—	—
Bahrain	—	—	—	—	—	282	282	—	—
Belgium	—	—	—	—	983	134	1,117	—	—
Brazil	—	—	—	—	4	415	419	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	2,862	121	371	392	1,470	2,233	65	12
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	225	4,012	4,237	—	—
Denmark	—	—	—	—	384	—	384	—	—
Ecuador	—	—	—	—	100	953	1,053	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	102	102	69	—
Germany	—	—	—	145	804	14	963	38	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	1,513	—	—	—	—	—	467	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	74	—
Korea, South	—	1,987	—	—	—	—	—	63	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	10	—	—	616	3,747	4,363	—	—
Netherlands	—	—	—	—	533	456	989	—	—
Norway	—	—	—	—	361	—	361	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	442	—	—	—	—	—	—	—
Russia	—	—	—	—	—	882	882	—	—
Spain	—	—	—	—	683	8	691	—	—
Sweden	—	—	—	—	396	—	396	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	29	311	340	4	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	597	0	743	1,835	587	3,165	262	0
<b>Total</b>	—	<b>11,490</b>	<b>121</b>	<b>1,608</b>	<b>8,107</b>	<b>14,789</b>	<b>24,504</b>	<b>1,112</b>	<b>12</b>
<b>Persian Gulf<sup>4</sup></b>	—	<b>4,400</b>	—	—	—	<b>1,338</b>	<b>1,338</b>	—	—

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	111	—	25,080	133,098	296	69	365
Algeria	—	—	—	—	—	1,294	7,132	16	4	20
Angola	—	—	—	—	—	1,573	14,428	35	4	40
Congo (Brazzaville)	—	—	—	—	—	336	1,268	3	1	3
Equatorial Guinea	—	—	—	—	—	509	509	—	1	1
Gabon	—	—	—	—	—	—	708	2	—	2
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	490	490	—	1	1
Kuwait	—	—	—	—	—	3,324	3,324	—	9	9
Libya	—	—	—	—	—	—	20,271	56	—	56
Nigeria	—	—	—	—	—	3,861	38,309	94	11	105
Saudi Arabia	—	—	—	—	—	12,571	45,537	90	34	125
United Arab Emirates	—	—	—	111	—	1,122	1,122	—	3	3
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	1,144	12	11,805	1,414	—	303,699	420,457	320	832	1,152
Argentina	—	—	—	—	—	2,767	5,703	8	8	16
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	9,921	9,921	—	27	27
Bahrain	—	—	—	19	—	301	301	—	1	1
Belgium	—	—	—	2	—	7,801	7,801	—	21	21
Brazil	—	3	—	—	—	2,841	2,841	—	8	8
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	1	1	—	0	0
Canada	972	—	10,541	842	—	109,216	156,286	129	299	428
Chad	—	—	—	—	—	—	—	—	—	—
China	131	—	—	—	—	131	131	—	0	0
Colombia	—	—	230	—	—	5,184	6,677	4	14	18
Denmark	—	—	—	23	—	602	602	—	2	2
Ecuador	—	—	—	—	—	1,750	1,750	—	5	5
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	5,808	5,808	—	16	16
France	—	—	—	92	—	7,832	7,832	—	21	21
Germany	—	—	—	100	—	3,484	3,484	—	10	10
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	16,765	16,765	—	46	46
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	98	40	—	9,735	9,735	—	27	27
Korea, South	7	—	—	143	—	3,539	3,539	—	10	10
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	2,365	2,365	—	6	6
Malaysia	6	—	—	—	—	443	443	—	1	1
Mexico	—	—	—	—	—	9,068	30,911	60	25	85
Netherlands	—	—	59	124	—	24,213	24,213	—	66	66
Norway	—	—	—	—	—	7,976	14,833	19	22	41
Oman	—	—	—	—	—	802	802	—	2	2
Portugal	—	—	—	—	—	7,957	7,957	—	22	22
Qatar	—	—	—	—	—	4,331	4,331	—	12	12
Russia	—	—	—	5	—	7,854	10,952	8	22	30
Spain	10	—	377	—	—	13,566	13,566	—	37	37
Sweden	—	—	—	6	—	2,910	2,910	—	8	8
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	39	3,362	9	0	9
United Kingdom	—	2	—	—	—	21,552	26,641	14	59	73
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	18	7	500	18	—	12,945	37,286	67	35	102
<b>Total</b>	<b>1,144</b>	<b>12</b>	<b>11,805</b>	<b>1,525</b>	<b>—</b>	<b>328,779</b>	<b>553,555</b>	<b>616</b>	<b>901</b>	<b>1,517</b>
<b>Persian Gulf<sup>4</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>130</b>	<b>—</b>	<b>22,139</b>	<b>55,105</b>	<b>90</b>	<b>61</b>	<b>151</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</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 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(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>927,832</b>	<b>24,651</b>	<b>2,379</b>	-	-	-	-	-	<b>5,269</b>	<b>5,269</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	927,832	24,644	2,379	-	-	-	-	-	5,269	5,269
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	7	0	-	-	-	-	-	0	0
<b>Total</b> .....	<b>927,832</b>	<b>24,651</b>	<b>2,379</b>	-	-	-	-	-	<b>5,269</b>	<b>5,269</b>
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	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> .....	-	1,060	-	-	3,343	55	136	-	3,534	-	48
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	1,060	-	-	3,343	55	136	-	3,534	-	48
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	-	0
<b>Total</b> .....	-	1,060	-	-	3,343	55	136	-	3,534	-	48
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<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> .....	-	34	85	-	109	1,351	1,460	1,041	732
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	34	85	-	109	1,351	1,460	1,041	732
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	0	0
<b>Total</b> .....	-	34	85	-	109	1,351	1,460	1,041	732
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								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> .....	155	261	7,905	2,571	--	51,185	979,017	2,542	140	2,682
Argentina .....	--	--	--	8	--	8	8	--	0	0
Aruba .....	--	--	--	--	--	--	--	--	--	--
Australia .....	--	--	--	--	--	--	--	--	--	--
Bahamas .....	--	--	--	--	--	--	--	--	--	--
Bahrain .....	--	--	--	--	--	--	--	--	--	--
Belgium .....	--	--	--	1	--	1	1	--	0	0
Brazil .....	--	--	--	--	--	--	--	--	--	--
Brunei .....	--	--	--	--	--	--	--	--	--	--
Cameroon .....	--	--	--	--	--	--	--	--	--	--
Canada .....	150	256	7,905	2,557	--	51,154	978,986	2,542	140	2,682
Chad .....	--	--	--	--	--	--	--	--	--	--
China .....	--	--	--	--	--	--	--	--	--	--
Colombia .....	--	--	--	--	--	--	--	--	--	--
Denmark .....	--	--	--	--	--	--	--	--	--	--
Ecuador .....	--	--	--	--	--	--	--	--	--	--
Egypt .....	--	--	--	--	--	--	--	--	--	--
Estonia .....	--	--	--	--	--	--	--	--	--	--
Finland .....	--	--	--	--	--	--	--	--	--	--
France .....	--	--	--	1	--	1	1	--	0	0
Germany .....	--	--	--	4	--	4	4	--	0	0
Guatemala .....	--	--	--	--	--	--	--	--	--	--
India .....	--	--	--	--	--	--	--	--	--	--
Indonesia .....	--	--	--	--	--	--	--	--	--	--
Italy .....	--	--	--	--	--	--	--	--	--	--
Korea, South .....	--	--	--	--	--	7	7	--	0	0
Latvia .....	--	--	--	--	--	--	--	--	--	--
Lithuania .....	--	--	--	--	--	--	--	--	--	--
Malaysia .....	--	--	--	--	--	--	--	--	--	--
Mexico .....	--	--	--	--	--	--	--	--	--	--
Netherlands .....	--	--	--	--	--	--	--	--	--	--
Norway .....	--	--	--	--	--	--	--	--	--	--
Oman .....	--	--	--	--	--	--	--	--	--	--
Portugal .....	--	--	--	--	--	--	--	--	--	--
Qatar .....	--	--	--	--	--	--	--	--	--	--
Russia .....	--	--	--	--	--	--	--	--	--	--
Spain .....	--	--	--	--	--	--	--	--	--	--
Sweden .....	--	5	--	--	--	5	5	--	0	0
Syria .....	--	--	--	--	--	--	--	--	--	--
Trinidad and Tobago .....	--	--	--	--	--	--	--	--	--	--
United Kingdom .....	--	--	--	--	--	--	--	--	--	--
Vietnam .....	--	--	--	--	--	--	--	--	--	--
Virgin Islands, U.S. ....	--	--	--	--	--	--	--	--	--	--
Yemen .....	--	--	--	--	--	--	--	--	--	--
Other .....	5	0	0	0	--	5	5	0	0	0
<b>Total</b> .....	155	261	7,905	2,571	--	51,185	979,017	2,542	140	2,682
<b>Persian Gulf<sup>4</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</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 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(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>103,617</b>	<b>16</b>	<b>-</b>	<b>56,083</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38</b>	<b>38</b>
Algeria	-	-	-	3,217	-	-	-	-	-	-
Angola	949	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	16	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	507	-	-	-	-	-	-	-	-	-
Iraq	19,994	-	-	23,893	-	-	-	-	-	-
Kuwait	6,716	-	-	2,311	-	-	-	-	-	-
Libya	-	-	-	46	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	75,451	-	-	20,153	-	-	-	-	38	38
United Arab Emirates	-	-	-	6,463	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>494,033</b>	<b>32</b>	<b>51</b>	<b>101,748</b>	<b>-</b>	<b>179</b>	<b>179</b>	<b>417</b>	<b>15,674</b>	<b>16,091</b>
Argentina	-	-	-	-	-	-	-	-	751	751
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	46	46
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	1,084	-	-	-	-	179	179
Brazil	3,982	-	-	5,065	-	-	-	-	509	509
Brunei	-	-	-	-	-	-	-	-	287	287
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	214,870	-	-	7,364	-	-	-	-	26	26
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	58,435	-	-	528	-	-	-	-	14	14
Denmark	-	-	-	-	-	-	-	-	100	100
Ecuador	-	-	-	6,577	-	-	-	-	-	-
Egypt	-	-	-	1,366	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	377	377
France	-	-	-	1,243	-	48	48	-	231	231
Germany	-	-	-	214	-	-	-	-	202	202
Guatemala	868	-	-	-	-	-	-	-	-	-
India	-	-	-	764	-	-	-	-	3,778	3,778
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	2,313	-	-	-	92	441	533
Korea, South	-	-	-	-	-	-	-	-	2,345	2,345
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	113	-	-	-	-	18	18
Malaysia	-	-	-	6,950	-	-	-	-	184	184
Mexico	194,883	-	25	25,077	-	-	-	-	231	231
Netherlands	-	-	-	2,821	-	-	-	-	227	227
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	581	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	280	280
Qatar	-	-	-	566	-	-	-	-	-	-
Russia	-	-	-	31,716	-	46	46	-	149	149
Spain	-	-	-	501	-	-	-	-	442	442
Sweden	-	-	-	88	-	-	-	-	94	94
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	9,076	-	-	-	-	-	-	-	-	-
United Kingdom	8,623	-	-	550	-	85	85	-	392	392
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	3,296	32	26	6,267	-	0	0	325	4,371	4,696
<b>Total</b>	<b>597,650</b>	<b>48</b>	<b>51</b>	<b>157,831</b>	<b>-</b>	<b>179</b>	<b>179</b>	<b>417</b>	<b>15,712</b>	<b>16,129</b>
<b>Persian Gulf<sup>4</sup></b>	<b>102,668</b>	<b>-</b>	<b>-</b>	<b>53,386</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38</b>	<b>38</b>

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	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> .....	-	1,059	-	102	193	25	110	-	328	-	98
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	57	25	-	-	82	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	213	-	-	-	-	-	-	-	-	-
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	49
Finland .....	-	-	-	102	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	439	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	217	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	49
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	136	-	110	-	246	-	-
Spain .....	-	190	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	0	0	0	-	0	-	0
<b>Total</b> .....	-	1,059	-	102	193	25	110	-	328	-	98
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b>	—	—	28	880	—	1,614	2,494	—	—
Algeria	—	—	—	880	—	—	880	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	98	98	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	28	—	—	1,516	1,516	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	124	4,474	—	2,021	39,746	41,767	2,060	433
Argentina	—	—	—	—	—	—	—	—	113
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	855	855	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	550	550	—	—
Brazil	—	—	—	—	88	6,183	6,271	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	989	—	282	1,062	1,344	11	102
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	881	881	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	199	199	—	—
Egypt	—	—	—	—	27	—	27	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	121
Germany	—	1	51	—	—	39	39	14	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	450	450	—	—
Korea, South	—	—	2,898	—	—	—	—	246	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,119	1,119	—	—
Malaysia	—	—	—	—	—	677	677	—	—
Mexico	—	—	37	—	—	23,029	23,029	1,008	87
Netherlands	—	—	201	—	—	778	778	8	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	123	—	—	—	—	—	9	—
Russia	—	—	—	—	400	3,506	3,906	—	—
Spain	—	—	38	—	—	—	—	25	—
Sweden	—	—	—	—	—	32	32	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	4	—	390	4	394	97	10
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	256	0	834	382	1,216	642	0
<b>Total</b>	—	124	4,502	880	2,021	41,360	44,261	2,060	433
<b>Persian Gulf<sup>4</sup></b>	—	123	28	—	—	1,614	1,614	9	—

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b>	—	155	—	2,159	—	60,973	164,590	284	167	451
Algeria	—	—	—	—	—	4,097	4,097	—	11	11
Angola	—	—	—	—	—	—	949	3	—	3
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	16	16	—	0	0
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	507	1	—	1
Iraq	—	—	—	—	—	23,991	43,985	55	66	121
Kuwait	—	155	—	—	—	2,466	9,182	18	7	25
Libya	—	—	—	—	—	46	46	—	0	0
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	64	—	21,799	97,250	207	60	266
United Arab Emirates	—	—	—	2,095	—	8,558	8,558	—	23	23
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	467	3,041	59	11,247	—	183,360	677,393	1,354	502	1,856
Argentina	—	1,034	—	46	—	1,944	1,944	—	5	5
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	901	901	—	2	2
Bahrain	—	—	—	659	—	659	659	—	2	2
Belgium	—	—	—	32	—	1,845	1,845	—	5	5
Brazil	—	1,337	—	—	—	13,264	17,246	11	36	47
Brunei	—	—	—	—	—	287	287	—	1	1
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	—	—	1	14	—	10,064	224,934	589	28	616
Chad	—	—	—	—	—	—	—	—	—	—
China	28	—	—	—	—	58	58	—	0	0
Colombia	—	112	—	—	—	1,535	59,970	160	4	164
Denmark	—	—	—	—	—	100	100	—	0	0
Ecuador	—	—	—	—	—	6,776	6,776	—	19	19
Egypt	22	—	—	—	—	1,415	1,415	—	4	4
Estonia	—	—	—	—	—	49	49	—	0	0
Finland	—	—	—	—	—	479	479	—	1	1
France	—	—	—	35	—	1,678	1,678	—	5	5
Germany	—	139	—	42	—	1,143	1,143	—	3	3
Guatemala	—	—	—	—	—	—	868	2	—	2
India	—	—	—	9	—	4,551	4,551	—	12	12
Indonesia	—	—	—	1,246	—	1,246	1,246	—	3	3
Italy	—	—	—	133	—	3,646	3,646	—	10	10
Korea, South	—	—	—	4,110	—	9,599	9,599	—	26	26
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,250	1,250	—	3	3
Malaysia	219	—	—	—	—	8,030	8,030	—	22	22
Mexico	—	—	—	—	—	49,494	244,377	534	136	670
Netherlands	—	—	58	691	—	4,833	4,833	—	13	13
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	133	—	65	—	779	779	—	2	2
Portugal	—	—	—	—	—	280	280	—	1	1
Qatar	—	—	—	3,908	—	4,606	4,606	—	13	13
Russia	—	—	—	—	—	36,063	36,063	—	99	99
Spain	3	202	—	—	—	1,401	1,401	—	4	4
Sweden	—	—	—	1	—	215	215	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	9,076	25	—	25
United Kingdom	85	33	—	52	—	1,702	10,325	24	5	28
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	110	51	0	204	—	13,468	16,764	9	37	48
<b>Total</b>	<b>467</b>	<b>3,196</b>	<b>59</b>	<b>13,406</b>	<b>—</b>	<b>244,333</b>	<b>841,983</b>	<b>1,637</b>	<b>669</b>	<b>2,307</b>
<b>Persian Gulf<sup>4</sup></b>	<b>—</b>	<b>155</b>	<b>—</b>	<b>6,726</b>	<b>—</b>	<b>62,079</b>	<b>164,747</b>	<b>281</b>	<b>170</b>	<b>451</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</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 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>PAD District 4</b>										
<b>OPEC</b>	-	-	-	262	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	262	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>101,395</b>	<b>5,133</b>	-	<b>83</b>	-	<b>20</b>	<b>20</b>	-	<b>565</b>	<b>565</b>
Canada	101,395	5,133	-	83	-	15	15	-	565	565
Ecuador	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	5	5	-	0	0
<b>Total</b>	<b>101,395</b>	<b>5,133</b>	-	<b>345</b>	-	<b>20</b>	<b>20</b>	-	<b>565</b>	<b>565</b>
<b>PAD District 5</b>										
<b>OPEC</b>	<b>145,626</b>	<b>414</b>	-	<b>11,822</b>	-	<b>378</b>	<b>378</b>	<b>551</b>	<b>786</b>	<b>1,337</b>
Algeria	-	-	-	10,309	-	-	-	-	-	-
Angola	1,808	16	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	288	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	69,158	-	-	-	-	-	-	-	-	-
Kuwait	2,985	-	-	-	-	-	-	2	-	2
Libya	8,435	-	-	-	-	-	-	-	-	-
Nigeria	-	110	-	-	-	-	-	-	-	-
Saudi Arabia	57,887	-	-	1,513	-	378	378	549	786	1,335
United Arab Emirates	4,388	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>295,394</b>	<b>16,341</b>	-	<b>10,421</b>	-	<b>8,313</b>	<b>8,313</b>	<b>1,064</b>	<b>9,999</b>	<b>11,063</b>
Argentina	19,856	55	-	-	-	-	-	-	-	-
Australia	700	-	-	-	-	-	-	-	-	-
Brazil	49,092	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	95,208	15,909	-	797	-	1,530	1,530	-	386	386
China	-	-	-	-	-	-	-	-	-	-
Colombia	21,512	-	-	199	-	-	-	-	-	-
Ecuador	51,974	-	-	927	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	60	-	-	-	-	28	28
Indonesia	1,184	-	-	-	-	-	-	-	-	-
Japan	-	-	-	640	-	474	474	-	1,492	1,492
Korea, South	-	-	-	-	-	4,882	4,882	-	2,098	2,098
Malaysia	-	-	-	350	-	-	-	-	-	-
Mexico	15,700	-	-	3,802	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	1,000	137	1,137
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	1,390	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	70	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	172	172
Taiwan	-	-	-	-	-	208	208	-	849	849
United Kingdom	499	-	-	227	-	-	-	-	998	998
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	38,279	377	-	3,349	-	1,219	1,219	64	3,839	3,903
<b>Total</b>	<b>441,020</b>	<b>16,755</b>	-	<b>22,243</b>	-	<b>8,691</b>	<b>8,691</b>	<b>1,615</b>	<b>10,785</b>	<b>12,400</b>
<b>Persian Gulf<sup>4</sup></b>	<b>134,418</b>	-	-	<b>1,513</b>	-	<b>386</b>	<b>386</b>	<b>559</b>	<b>798</b>	<b>1,357</b>

See footnotes at end of table.

**Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	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) .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	7	105	—	—	1,621	—	3	—	1,624	—	6
Canada .....	7	105	—	—	1,621	—	3	—	1,624	—	6
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	—	0	—	0	—	0	—	0
<b>Total</b> .....	7	105	—	—	1,621	—	3	—	1,624	—	6
<b>PAD District 5</b>											
<b>OPEC</b> .....	—	—	10	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	10	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	1,194	1,070	6,244	12	6,504	1,260	1	190	7,955	18	24
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	1,194	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	772	—	—	4,980	—	1	—	4,981	—	11
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	190	190	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	10	399	—	—	—	399	—	—
Korea, South .....	—	298	—	—	1,125	1,260	—	—	2,385	18	13
Malaysia .....	—	—	—	1	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	94	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	6,150	1	0	0	0	0	0	0	0
<b>Total</b> .....	1,194	1,070	6,254	12	6,504	1,260	1	190	7,955	18	24
<b>Persian Gulf<sup>4</sup></b> .....	—	—	10	—	—	—	—	—	—	—	—

See footnotes at end of table.



**Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>PAD District 4</b>									
<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>	-	311	3	-	-	90	90	-	-
Canada	-	311	3	-	-	90	90	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Other	-	0	0	-	-	0	0	-	-
<b>Total</b>	-	311	3	-	-	90	90	-	-
<b>PAD District 5</b>									
<b>OPEC</b>	-	-	-	-	-	35	35	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	35	35	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	-	31,748	333	-	1,861	1,432	3,293	349	-
Argentina	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	428	333	-	603	1,149	1,752	-	-
China	-	1,777	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	5,507	-	-	-	-	-	-	-
Korea, South	-	21,215	-	-	-	-	-	13	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	93	93	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Singapore	-	287	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	975	-	-	-	-	-	336	-
United Kingdom	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	1,559	0	-	1,258	190	1,448	0	-
<b>Total</b>	-	31,748	333	-	1,861	1,467	3,328	349	-
<b>Persian Gulf<sup>4</sup></b>	-	-	-	-	-	35	35	-	-

See footnotes at end of table.

**Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>PAD District 4</b>										
<b>OPEC</b>	—	—	—	—	—	262	262	—	1	1
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	262	262	—	1	1
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	—	950	—	—	8,897	110,292	278	24	302
Canada	—	—	950	—	—	8,892	110,287	278	24	302
Ecuador	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	—	—	5	5	0	0	0
<b>Total</b>	—	—	950	—	—	9,159	110,554	278	25	303
<b>PAD District 5</b>										
<b>OPEC</b>	—	—	—	—	—	13,996	159,622	399	38	437
Algeria	—	—	—	—	—	10,309	10,309	—	28	28
Angola	—	—	—	—	—	16	1,824	5	0	5
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	288	288	—	1	1
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	35	69,193	189	0	190
Kuwait	—	—	—	—	—	2	2,987	8	0	8
Libya	—	—	—	—	—	—	8,435	23	—	23
Nigeria	—	—	—	—	—	110	110	—	0	0
Saudi Arabia	—	—	—	—	—	3,226	61,113	159	9	167
United Arab Emirates	—	—	—	—	—	10	4,398	12	0	12
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	351	—	815	351	—	99,895	395,289	809	274	1,083
Argentina	—	—	—	—	—	55	19,911	54	0	55
Australia	—	—	—	—	—	—	700	2	—	2
Brazil	—	—	—	—	—	1,194	50,286	134	3	138
Brunei	—	—	—	—	—	—	—	—	—	—
Canada	—	—	601	49	—	27,549	122,757	261	75	336
China	142	—	—	—	—	1,919	1,919	—	5	5
Colombia	—	—	—	—	—	199	21,711	59	1	59
Ecuador	—	—	—	—	—	1,117	53,091	142	3	145
Finland	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	88	88	—	0	0
Indonesia	—	—	—	—	—	—	1,184	3	—	3
Japan	56	—	—	1	—	8,579	8,579	—	24	24
Korea, South	—	—	—	84	—	31,006	31,006	—	85	85
Malaysia	1	—	—	—	—	352	352	—	1	1
Mexico	—	—	—	—	—	3,895	19,595	43	11	54
Netherlands	—	—	—	—	—	1,231	1,231	—	3	3
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	1,390	4	—	4
Singapore	—	—	—	—	—	6,508	6,508	—	18	18
Sweden	—	—	—	—	—	172	172	—	0	0
Taiwan	152	—	—	—	—	2,520	2,520	—	7	7
United Kingdom	—	—	—	—	—	1,225	1,724	1	3	5
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Other	0	—	214	217	—	12,286	50,565	106	35	139
<b>Total</b>	351	—	815	351	—	113,891	554,911	1,208	312	1,520
<b>Persian Gulf<sup>4</sup></b>	—	—	—	217	—	3,518	137,936	368	10	378

-- = Not Applicable.

- = 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 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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 31. Exports of Crude Oil and Petroleum Products by PAD District, 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>15,621</b>	<b>24,759</b>	<b>1,262,409</b>	<b>0</b>	<b>2,528</b>	<b>1,305,317</b>	<b>3,576</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>92,361</b>	<b>88,457</b>	<b>678,351</b>	<b>405</b>	<b>19,871</b>	<b>879,446</b>	<b>2,409</b>
Natural Gas Liquids .....	92,361	88,457	678,351	405	19,871	879,446	2,409
Ethane .....	25,872	25,484	101,520	1	7	152,884	419
Propane .....	48,865	1,679	449,970	10	10,157	510,681	1,399
Normal Butane .....	16,850	1,494	123,533	26	9,350	151,253	414
Isobutane .....	8	30	1,963	-	25	2,027	6
Natural Gasoline .....	766	59,770	1,364	368	332	62,601	172
<b>Other Liquids</b> .....	<b>2,989</b>	<b>39,480</b>	<b>114,307</b>	<b>142</b>	<b>6,316</b>	<b>163,234</b>	<b>447</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	2,005	11,758	19,535	118	3,530	36,947	101
Hydrogen .....	--	--	--	--	--	--	--
Biofuels .....	2,005	11,758	19,535	118	3,530	36,947	101
Fuel Ethanol .....	1,503	9,382	17,740	2	2,649	31,276	86
Biodiesel .....	503	2,376	1,795	116	881	5,671	16
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	-	-	-	-	-	-	-
Unfinished Oils .....	591	26,328	70,541	2	995	98,458	270
Naphthas and Lighter .....	442	26,182	66,548	1	825	93,998	258
Kerosene and Light Gas Oils .....	149	146	3,993	1	170	4,459	12
Heavy Gas Oils .....	-	-	-	-	-	-	-
Residuum .....	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC) .....	392	1,395	24,231	21	1,791	27,830	76
Reformulated .....	9	-	12	-	17	38	0
Conventional .....	383	1,395	24,219	21	1,774	27,792	76
Aviation Gasoline Blend. Comp. ....	-	-	-	-	-	-	-
<b>Finished Petroleum Products</b> .....	<b>24,405</b>	<b>13,267</b>	<b>997,079</b>	<b>183</b>	<b>91,808</b>	<b>1,126,741</b>	<b>3,087</b>
Finished Motor Gasoline .....	845	4,250	300,242	9	11,151	316,497	867
Reformulated .....	-	-	-	-	-	-	-
Conventional .....	845	4,250	300,242	9	11,151	316,497	867
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	790	232	56,229	1	7,583	64,835	178
Kerosene .....	46	10	2,455	-	208	2,719	7
Distillate Fuel Oil .....	7,958	1,821	405,117	1	24,516	439,413	1,204
15 ppm sulfur and under .....	6,083	8	345,053	0	17,796	368,941	1,011
Greater than 15 ppm to 500 ppm sulfur .....	1,422	437	29,738	1	1,860	33,458	92
Greater than 500 ppm sulfur .....	453	1,375	30,326	-	4,860	37,014	101
Residual Fuel Oil .....	2,305	11	30,892	-	6,997	40,205	110
Naphtha for Petro. Feed. Use .....	-	-	-	-	-	-	-
Other Oils for Petro. Feed. Use .....	882	22	12,795	-	545	14,244	39
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	2,742	2,285	27,215	149	2,375	34,765	95
Waxes .....	918	428	257	1	51	1,655	5
Petroleum Coke .....	6,609	3,381	157,499	0	38,047	205,537	563
Asphalt and Road Oil .....	1,094	813	3,930	22	328	6,187	17
Miscellaneous Products .....	215	14	447	0	7	683	2
<b>Total</b> .....	<b>135,376</b>	<b>165,962</b>	<b>3,052,146</b>	<b>730</b>	<b>120,523</b>	<b>3,474,738</b>	<b>9,520</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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

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

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2022**  
(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 .....	–	266	–	1,620	–	1,162	1,162	–	0	0
Australia .....	8,607	4,036	–	27	–	0	0	4	0	4
Bahamas .....	732	462	–	219	–	4,804	4,804	0	3,691	3,692
Bahrain .....	–	0	–	0	–	1	1	0	–	0
Belgium .....	844	21,625	–	2,413	–	0	0	–	0	0
Belize .....	–	238	–	–	–	294	294	–	–	–
Brazil .....	22,561	15,708	–	14,215	–	13,734	13,734	0	–	0
Canada .....	121,425	90,215	–	26,420	–	7,628	7,628	–	10,325	10,325
Cayman Islands .....	–	35	–	0	–	258	258	0	1	1
Chile .....	–	13,692	–	942	–	16,707	16,707	1	121	121
China .....	79,102	116,127	–	49	–	1	1	0	0	0
Colombia .....	9,342	1,107	–	13,668	–	15,140	15,140	–	0	0
Costa Rica .....	–	2,243	–	146	–	7,822	7,822	0	0	0
Denmark .....	17,802	–	–	184	–	0	0	0	–	0
Dominican Republic .....	8,008	15,009	–	58	–	6,015	6,015	1	1	2
Ecuador .....	–	13,670	–	2,379	–	7,225	7,225	–	914	914
Egypt .....	–	14,877	–	0	–	–	–	–	–	–
El Salvador .....	–	4,114	–	2	–	6,572	6,572	–	–	–
Finland .....	3,244	6,814	–	121	–	–	–	–	–	–
France .....	61,602	8,797	–	1,162	–	701	701	–	0	0
Germany .....	39,570	216	–	38	–	0	0	0	–	0
Ghana .....	–	1,702	–	0	–	–	–	–	–	–
Gibraltar .....	–	1,499	–	118	–	–	–	–	–	–
Greece .....	698	441	–	–	–	1	1	–	0	0
Guatemala .....	–	3,336	–	38	–	15,709	15,709	0	108	108
Honduras .....	–	6,289	–	38	–	5,727	5,727	–	1	1
Hong Kong .....	–	–	–	0	–	0	0	–	–	–
India .....	113,497	30,702	–	91	–	0	0	0	1	1
Indonesia .....	1,716	30,356	–	4	–	–	–	–	–	–
Ireland .....	9,453	–	–	–	–	1	1	–	–	–
Israel .....	–	106	–	1	–	0	0	–	0	0
Italy .....	64,331	1,710	–	32	–	–	–	–	–	–
Jamaica .....	–	536	–	0	–	1,637	1,637	0	1	1
Japan .....	9,753	148,903	–	5,402	–	4	4	11	–	11
Korea, South .....	134,793	55,750	–	2,253	–	5	5	4	5	9
Lebanon .....	–	–	–	–	–	–	–	–	–	–
Mexico .....	–	72,360	–	5,781	–	173,324	173,324	8	10,716	10,725
Montenegro .....	–	–	–	–	–	–	–	–	–	–
Morocco .....	–	23,080	–	–	–	–	–	–	–	–
Mozambique .....	–	–	–	–	–	–	–	–	–	–
Netherlands .....	131,045	28,655	–	12,210	–	329	329	–	–	–
New Zealand .....	–	2	–	0	–	0	0	–	–	–
Nicaragua .....	3,817	50	–	–	–	581	581	–	–	–
Nigeria .....	–	4,290	–	1	–	2,550	2,550	–	–	–
Norway .....	11,326	13,297	–	1,143	–	–	–	–	–	–
Pakistan .....	–	–	–	13	–	1	1	–	0	0
Panama .....	7,673	3,139	–	4	–	8,068	8,068	0	867	867
Peru .....	6,403	4,214	–	1,185	–	11,031	11,031	–	710	710
Philippines .....	–	0	–	3	–	536	536	–	–	–
Portugal .....	5,128	7,996	–	–	–	–	–	–	–	–
Puerto Rico .....	–	89	–	17	–	208	208	0	1	1
Romania .....	–	62	–	–	–	–	–	–	–	–
Saudi Arabia .....	–	1	–	985	–	2	2	–	0	0
Serbia (Excludes Kosovo) ..	–	–	–	–	–	–	–	–	–	–
Singapore .....	113,891	19,656	–	738	–	358	358	–	0	0
South Africa .....	–	4,904	–	28	–	631	631	0	–	0
Spain .....	60,414	14,263	–	369	–	1,036	1,036	–	–	–
Switzerland .....	1,577	3,381	–	518	–	–	–	–	310	310
Taiwan .....	71,486	623	–	2,268	–	4	4	0	0	0
Thailand .....	21,786	0	–	16	–	0	0	–	–	–
Trinidad and Tobago .....	–	9	–	2	–	1,213	1,213	–	–	–
Turkiye .....	–	15,735	–	0	–	0	0	–	0	0
United Arab Emirates .....	–	162	–	3	–	10	10	1	0	1
United Kingdom .....	120,964	15,793	–	35	–	951	951	0	9	9
Venezuela .....	–	3	–	457	–	5	5	1	0	1
Other .....	42,727	37,101	–	1,042	–	4,511	4,511	7	10	16
<b>Total .....</b>	<b>1,305,317</b>	<b>879,446</b>	<b>–</b>	<b>98,458</b>	<b>–</b>	<b>316,497</b>	<b>316,497</b>	<b>38</b>	<b>27,792</b>	<b>27,830</b>

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2022**  
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel <sup>2</sup>	Other Biofuels <sup>2,3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina .....	1	0	NA	NA	15,086	1,287	2,401	—	18,773	0	—
Australia .....	80	0	NA	NA	6	—	2	—	8	0	—
Bahamas .....	2	0	NA	NA	4,893	395	2,972	—	8,261	25	—
Bahrain .....	0	—	NA	NA	—	—	—	—	—	0	—
Belgium .....	1	0	NA	NA	3,192	346	408	—	3,946	—	—
Belize .....	—	—	NA	NA	129	304	—	—	433	—	—
Brazil .....	1,446	0	NA	NA	46,575	1,252	1,659	—	49,486	1,316	—
Canada .....	11,948	4,537	NA	NA	281	3,342	1,984	—	5,607	398	—
Cayman Islands .....	0	—	NA	NA	1,388	—	—	—	1,388	—	—
Chile .....	174	1	NA	NA	47,846	157	—	—	48,004	0	—
China .....	16	0	NA	NA	14	—	1	—	15	0	—
Colombia .....	244	—	NA	NA	11,648	—	—	—	11,648	21	—
Costa Rica .....	4	—	NA	NA	7,427	220	0	—	7,647	1	—
Denmark .....	—	—	NA	NA	923	—	146	—	1,069	—	—
Dominican Republic .....	14	—	NA	NA	4,215	267	4,375	—	8,857	1	—
Ecuador .....	0	—	NA	NA	15,090	1,840	856	—	17,786	2	—
Egypt .....	158	—	NA	NA	—	—	—	—	—	—	—
El Salvador .....	0	0	NA	NA	1,679	2,249	483	—	4,410	1	—
Finland .....	52	—	NA	NA	486	—	—	—	486	—	—
France .....	63	—	NA	NA	3,092	—	—	—	3,092	0	—
Germany .....	2	27	NA	NA	1	—	—	—	1	—	—
Ghana .....	—	—	NA	NA	623	—	—	—	623	—	—
Gibraltar .....	33	—	NA	NA	336	—	280	—	616	—	—
Greece .....	230	—	NA	NA	—	—	—	—	—	—	—
Guatemala .....	1	—	NA	NA	7,937	4,577	1,299	—	13,813	2	—
Honduras .....	0	—	NA	NA	3,411	3,941	902	—	8,254	1	—
Hong Kong .....	0	—	NA	NA	—	—	—	—	—	—	—
India .....	1,735	0	NA	NA	438	1	3	—	442	0	—
Indonesia .....	1	1	NA	NA	4	—	—	—	4	—	—
Ireland .....	1	—	NA	NA	—	—	—	—	—	—	—
Israel .....	7	—	NA	NA	0	—	—	—	0	1	—
Italy .....	16	0	NA	NA	—	—	—	—	—	—	—
Jamaica .....	577	—	NA	NA	1,692	487	816	—	2,996	0	—
Japan .....	26	—	NA	NA	2	—	—	—	2	1	—
Korea, South .....	3,663	0	NA	NA	15	165	—	—	180	0	—
Lebanon .....	1	—	NA	NA	0	—	—	—	0	—	—
Mexico .....	1,507	3	NA	NA	101,560	1,065	28	—	102,653	23	—
Montenegro .....	—	—	NA	NA	—	—	—	—	—	—	—
Morocco .....	0	—	NA	NA	2	31	—	—	33	—	—
Mozambique .....	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands .....	2,242	173	NA	NA	10,039	793	2,458	—	13,291	243	—
New Zealand .....	0	—	NA	NA	0	—	—	—	0	0	—
Nicaragua .....	0	—	NA	NA	1,505	978	416	—	2,899	305	—
Nigeria .....	663	—	NA	NA	4	—	—	—	4	2	—
Norway .....	84	46	NA	NA	506	—	—	—	506	—	—
Pakistan .....	—	0	NA	NA	—	—	—	—	—	—	—
Panama .....	0	—	NA	NA	17,029	2,763	4,553	—	24,345	11	—
Peru .....	927	875	NA	NA	31,121	844	0	—	31,965	0	—
Philippines .....	992	—	NA	NA	—	—	—	—	—	0	—
Portugal .....	—	—	NA	NA	—	—	—	—	—	—	—
Puerto Rico .....	58	0	NA	NA	1,654	150	0	—	1,804	1	—
Romania .....	—	—	NA	NA	1	—	—	—	1	—	—
Saudi Arabia .....	439	0	NA	NA	9	—	1	—	9	3	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore .....	1,040	6	NA	NA	2,132	—	1,463	—	3,595	2	—
South Africa .....	0	—	NA	NA	1	—	—	—	1	—	—
Spain .....	72	—	NA	NA	328	—	—	—	328	0	—
Switzerland .....	53	0	NA	NA	102	5	—	—	107	—	—
Taiwan .....	4	1	NA	NA	2	—	—	—	2	3	—
Thailand .....	0	—	NA	NA	0	—	—	—	0	—	—
Trinidad and Tobago .....	3	—	NA	NA	2,338	603	2,508	—	5,449	—	—
Turkiye .....	24	0	NA	NA	304	—	—	—	304	—	—
United Arab Emirates .....	362	0	NA	NA	1	—	—	—	1	6	—
United Kingdom .....	1,591	0	NA	NA	9,782	—	266	—	10,048	322	—
Venezuela .....	0	—	NA	NA	7	—	—	—	7	—	—
Other .....	719	1	NA	NA	12,085	5,396	6,734	—	24,214	28	—
<b>Total .....</b>	<b>31,276</b>	<b>5,671</b>	<b>NA</b>	<b>NA</b>	<b>368,941</b>	<b>33,458</b>	<b>37,014</b>	<b>—</b>	<b>439,413</b>	<b>2,719</b>	<b>—</b>

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2022**  
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina .....	—	319	—	812	—	792	5	452
Australia .....	—	0	—	0	—	—	14	2,512
Bahamas .....	—	1,429	—	5,917	—	—	—	—
Bahrain .....	—	—	—	—	—	—	0	116
Belgium .....	—	—	—	434	—	14	0	1,502
Belize .....	—	85	—	—	—	—	0	—
Brazil .....	—	2,706	—	0	—	234	8	19,143
Canada .....	—	10,059	—	6,321	—	46	1,215	6,942
Cayman Islands .....	—	496	—	44	—	—	0	—
Chile .....	—	5,268	—	1,227	—	—	6	2
China .....	—	0	—	28	—	—	39	38,348
Colombia .....	—	903	—	0	—	—	3	60
Costa Rica .....	—	1,946	—	183	—	—	1	751
Denmark .....	—	—	—	—	—	—	0	590
Dominican Republic .....	—	2,184	—	1,007	—	—	5	2,055
Ecuador .....	—	9	—	2	—	—	1	1,464
Egypt .....	—	—	—	—	—	978	—	2,604
El Salvador .....	—	604	—	0	—	—	1	520
Finland .....	—	—	—	—	—	—	0	278
France .....	—	—	—	0	—	—	2	910
Germany .....	—	—	—	2	—	—	23	334
Ghana .....	—	—	—	—	—	—	—	90
Gibraltar .....	—	—	—	137	—	—	—	—
Greece .....	—	—	—	0	—	—	—	3,080
Guatemala .....	—	763	—	20	—	—	2	3,972
Honduras .....	—	812	—	271	—	—	1	2,776
Hong Kong .....	—	—	—	—	—	—	1	0
India .....	—	0	—	212	—	6,713	23	23,271
Indonesia .....	—	—	—	—	—	—	1	55
Ireland .....	—	—	—	—	—	—	0	1,216
Israel .....	—	1,629	—	0	—	—	0	1,326
Italy .....	—	—	—	—	—	283	1	6,967
Jamaica .....	—	1,135	—	101	—	—	0	151
Japan .....	—	0	—	3	—	—	8	18,575
Korea, South .....	—	0	—	2,878	—	—	4	987
Lebanon .....	—	0	—	0	—	—	—	362
Mexico .....	—	19,829	—	2,832	—	1,324	202	19,788
Montenegro .....	—	—	—	—	—	—	—	110
Morocco .....	—	—	—	—	—	—	—	4,940
Mozambique .....	—	—	—	—	—	—	—	936
Netherlands .....	—	706	—	1,692	—	230	44	3,448
New Zealand .....	—	4	—	—	—	—	0	385
Nicaragua .....	—	146	—	111	—	—	0	413
Nigeria .....	—	0	—	—	—	—	0	187
Norway .....	—	—	—	—	—	—	0	1,019
Pakistan .....	—	—	—	—	—	—	0	275
Panama .....	—	5,163	—	7,785	—	166	0	497
Peru .....	—	2,609	—	271	—	—	1	235
Philippines .....	—	—	—	0	—	—	1	1,934
Portugal .....	—	—	—	—	—	—	0	875
Puerto Rico .....	—	621	—	3	—	—	0	—
Romania .....	—	—	—	—	—	—	0	281
Saudi Arabia .....	—	3	—	150	—	—	1	140
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	—	250	—	2,238	—	526	0	325
South Africa .....	—	—	—	63	—	467	2	727
Spain .....	—	—	—	75	—	—	23	5,493
Switzerland .....	—	—	—	—	—	—	0	28
Taiwan .....	—	0	—	0	—	—	1	0
Thailand .....	—	—	—	0	—	2,471	1	719
Trinidad and Tobago .....	—	1,408	—	45	—	—	0	1
Turkiye .....	—	—	—	2	—	—	1	10,079
United Arab Emirates .....	—	—	—	112	—	—	0	1,492
United Kingdom .....	—	0	—	1	—	—	2	1,178
Venezuela .....	—	1	—	—	—	—	0	—
Other .....	—	3,748	—	5,226	—	—	12	8,621
<b>Total .....</b>	<b>—</b>	<b>64,835</b>	<b>—</b>	<b>40,205</b>	<b>—</b>	<b>14,244</b>	<b>1,655</b>	<b>205,537</b>

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2022**  
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina .....	294	561	22	25,080	25,080	—	69	69
Australia .....	41	77	2	6,802	15,409	24	19	42
Bahamas .....	21	35	4	24,871	25,603	2	68	70
Bahrain .....	—	1	—	118	118	—	0	0
Belgium .....	2	4,035	10	33,983	34,827	2	93	95
Belize .....	0	13	—	1,063	1,063	—	3	3
Brazil .....	65	3,290	13	121,367	143,928	62	333	394
Canada .....	1,769	3,428	83	186,943	308,368	333	512	845
Cayman Islands .....	11	13	0	2,246	2,246	—	6	6
Chile .....	582	949	0	87,674	87,674	—	240	240
China .....	11	123	9	154,765	233,867	217	424	641
Colombia .....	4	4,537	5	47,339	56,681	26	130	155
Costa Rica .....	430	176	1	21,351	21,351	—	58	58
Denmark .....	—	1	—	1,843	19,645	49	5	54
Dominican Republic .....	286	298	1	35,792	43,800	22	98	120
Ecuador .....	1	675	34	44,162	44,162	—	121	121
Egypt .....	—	5	—	18,623	18,623	—	51	51
El Salvador .....	0	263	0	16,488	16,488	—	45	45
Finland .....	—	8	—	7,760	11,004	9	21	30
France .....	—	567	0	15,294	76,896	169	42	211
Germany .....	36	30	4	713	40,283	108	2	110
Ghana .....	—	6	—	2,421	2,421	—	7	7
Gibraltar .....	—	—	—	2,403	2,403	—	7	7
Greece .....	—	2	—	3,754	4,453	2	10	12
Guatemala .....	0	205	0	37,970	37,970	—	104	104
Honduras .....	180	153	0	24,502	24,502	—	67	67
Hong Kong .....	—	10	1	14	14	—	0	0
India .....	3	832	4	64,029	177,526	311	175	486
Indonesia .....	7	24	0	30,453	32,169	5	83	88
Ireland .....	—	0	1	1,219	10,672	26	3	29
Israel .....	0	367	1	3,439	3,439	—	9	9
Italy .....	0	8	1	9,017	73,348	176	25	201
Jamaica .....	0	69	1	7,203	7,203	—	20	20
Japan .....	12	144	62	173,153	182,906	27	474	501
Korea, South .....	9	86	5	65,828	200,622	369	180	550
Lebanon .....	—	4	—	368	368	—	1	1
Mexico .....	1,265	8,345	359	420,318	420,318	—	1,152	1,152
Montenegro .....	—	—	—	110	110	—	0	0
Morocco .....	—	1	—	28,053	28,053	—	77	77
Mozambique .....	—	2	—	938	938	—	3	3
Netherlands .....	7	275	4	63,549	194,594	359	174	533
New Zealand .....	551	8	—	952	952	—	3	3
Nicaragua .....	—	58	—	4,563	8,380	10	13	23
Nigeria .....	1	948	—	8,645	8,645	—	24	24
Norway .....	—	2	0	16,097	27,423	31	44	75
Pakistan .....	0	1	0	291	291	—	1	1
Panama .....	181	280	5	50,513	58,185	21	138	159
Peru .....	0	829	6	54,858	61,261	18	150	168
Philippines .....	—	15	2	3,485	3,485	—	10	10
Portugal .....	—	1	—	8,872	14,000	14	24	38
Puerto Rico .....	217	198	0	3,217	3,217	—	9	9
Romania .....	—	3	—	346	346	—	1	1
Saudi Arabia .....	0	72	0	1,806	1,806	—	5	5
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	1	116	0	28,854	142,745	312	79	391
South Africa .....	0	448	—	7,270	7,270	—	20	20
Spain .....	0	24	—	21,682	82,097	166	59	225
Switzerland .....	—	36	0	4,433	6,010	4	12	16
Taiwan .....	3	55	1	2,964	74,451	196	8	204
Thailand .....	2	93	3	3,305	25,091	60	9	69
Trinidad and Tobago .....	—	110	0	8,240	8,240	—	23	23
Turkiye .....	1	280	—	26,426	26,426	—	72	72
United Arab Emirates .....	7	467	0	2,624	2,624	—	7	7
United Kingdom .....	1	195	1	30,127	151,091	331	83	414
Venezuela .....	—	87	0	562	562	—	2	2
Other .....	186	821	38	86,271	128,995	115	237	354
<b>Total .....</b>	<b>6,187</b>	<b>34,765</b>	<b>683</b>	<b>2,169,421</b>	<b>3,474,738</b>	<b>3,576</b>	<b>5,944</b>	<b>9,520</b>

-- = Not Applicable.

- = No Data Reported.

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

2 EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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

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



**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2022**  
(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>979</b>	<b>-8</b>	<b>-</b>	<b>188</b>	<b>-</b>	<b>-5</b>	<b>-5</b>	<b>4</b>	<b>35</b>	<b>38</b>
Algeria	16	1	-	37	-	0	0	0	1	1
Angola	43	0	-	1	-	0	0	-	3	3
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	2	-	-	-	-	-	-	-	-
Gabon	2	-	-	-	-	-	-	-	-	-
Iran	1	-	-	-	-	-	-	-	-	-
Iraq	244	0	-	66	-	0	0	-	-	-
Kuwait	27	0	-	6	-	0	0	0	0	0
Libya	79	-	-	0	-	0	0	-	-	-
Nigeria	94	-11	-	2	-	-7	-7	-	7	7
Saudi Arabia	456	0	-	59	-	2	2	3	23	26
United Arab Emirates	12	0	-	18	-	0	0	1	1	1
Venezuela	-	0	-	-1	-	0	0	0	0	0
<b>Non-OPEC</b>	<b>1,726</b>	<b>-2,243</b>	<b>15</b>	<b>75</b>	<b>-</b>	<b>-762</b>	<b>-762</b>	<b>154</b>	<b>270</b>	<b>424</b>
Argentina	62	-1	-	-4	-	-3	-3	-	7	7
Aruba	-	0	-	0	-	-1	-1	-	0	0
Australia	-22	-11	-	0	-	0	0	0	0	0
Bahamas	-2	-1	-	-1	-	0	0	2	3	5
Bahrain	-	0	-	0	-	0	0	0	0	0
Belgium	-2	-59	-	-2	-	9	9	2	5	7
Brazil	84	-43	-	-25	-	-38	-38	0	7	7
Brunei	-	-	-	-	-	-	-	-	1	1
Cameroon	-	0	-	-	-	-	-	-	-	-
Canada	3,466	-95	15	-50	-	-6	-6	66	22	88
Chad	-	-	-	-	-	-	-	-	-	-
China	-217	-318	-	0	-	0	0	0	0	0
Colombia	198	-3	-	-35	-	-41	-41	-	0	0
Denmark	-49	-	-	0	-	0	0	0	1	1
Dominican Republic	-22	-41	-	0	-	-16	-16	0	0	0
Ecuador	142	-37	-	16	-	-20	-20	-	-3	-3
Estonia	-	-	-	-	-	0	0	-	0	0
Finland	-9	-19	-	0	-	0	0	-	17	17
France	-169	-24	-	2	-	5	5	3	10	13
Germany	-108	-1	-	1	-	1	1	0	2	2
Guatemala	2	-9	-	0	-	-43	-43	0	0	0
Honduras	-	-17	-	0	-	-16	-16	-	0	0
India	-311	-84	-	4	-	1	1	2	53	55
Indonesia	-1	-83	-	0	-	-	-	-	-	-
Italy	-176	-5	-	7	-	5	5	1	22	23
Japan	-27	-408	-	-13	-	1	1	0	5	5
Korea, South	-369	-153	-	-6	-	13	13	0	13	13
Latvia	-	-	-	0	-	-	-	-	-	-
Lithuania	-8	-	-	0	-	4	4	0	2	2
Malaysia	-10	0	-	20	-	0	0	-	2	2
Mexico	637	-198	0	72	-	-475	-475	0	-25	-25
Netherlands	-359	-79	-	-25	-	8	8	29	17	46
Norway	-12	-36	-	-3	-	5	5	6	9	15
Oman	-	0	-	2	-	-	-	-	1	1
Panama	-21	-9	-	0	-	-22	-22	0	-2	-2
Portugal	-14	-22	-	-	-	1	1	0	21	21
Puerto Rico	-	0	-	0	-	-1	-1	0	0	0
Qatar	-	0	-	2	-	0	0	0	0	0
Russia	20	0	-	99	-	1	1	-	6	6
Spain	-166	-39	-	2	-	1	1	1	28	29
Sweden	-30	-47	-	-2	-	1	1	0	7	7
Trinidad and Tobago	44	1	-	0	-	-3	-3	-	-	-
United Kingdom	-292	-43	-	4	-	3	3	40	14	54
Vietnam	-1	-8	-	0	-	0	0	-	0	0
Virgin Islands, U.S.	-	-1	-	0	-	-4	-4	0	0	0
Yemen	-	-	-	0	-	-	-	-	-	-
Other	-532	-350	0	10	-	-132	-132	2	25	27
<b>Total</b>	<b>2,705</b>	<b>-2,250</b>	<b>15</b>	<b>263</b>	<b>-</b>	<b>-767</b>	<b>-767</b>	<b>158</b>	<b>305</b>	<b>463</b>
<b>Persian Gulf<sup>4</sup></b>	<b>740</b>	<b>0</b>	<b>-</b>	<b>151</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>24</b>	<b>27</b>

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel <sup>2</sup>	Other Biofuels <sup>2,3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b>	-4	0	0	-	9	-	0	-	9	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	0	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	0	-	-	-	0	-	-
Kuwait	0	-	-	-	0	-	-	-	0	-	-
Libya	0	-	-	-	0	-	-	-	0	-	-
Nigeria	-2	-	-	-	2	-	-	-	2	0	-
Saudi Arabia	-1	0	-	-	7	-	0	-	7	0	-
United Arab Emirates	-1	0	0	-	0	-	-	-	0	0	0
Venezuela	0	-	-	-	0	-	-	-	0	-	-
<b>Non-OPEC</b>	-77	1	17	0	-837	-88	-101	1	-1,024	-7	1
Argentina	0	0	-	-	-41	-4	-7	-	-51	0	-
Aruba	0	-	-	-	-1	-	-	-	-1	0	-
Australia	0	0	-	-	0	-	0	-	0	0	-
Bahamas	0	0	-	-	-13	-1	-8	-	-23	0	-
Bahrain	0	-	-	-	-	-	-	-	-	0	-
Belgium	0	0	-	-	-7	-1	-1	-	-8	-	-
Brazil	1	0	-	-	-127	-3	-5	-	-135	-4	-
Brunei	-	-	-	-	0	-	-	-	0	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-33	-4	-	-	130	-9	-5	-	116	-1	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	-	-	0	-	0	-	0	0	-
Colombia	-1	-	-	-	-30	-	-	-	-30	0	-
Denmark	-	-	-	-	-3	-	0	-	-3	-	-
Dominican Republic	0	-	-	-	-12	-1	-12	-	-24	0	-
Ecuador	0	-	-	-	-41	-5	-2	1	-48	0	-
Estonia	-	-	-	-	-	-	-	-	-	-	0
Finland	0	-	-	0	-1	-	-	-	-1	-	-
France	0	-	-	-	-8	-	-	-	-8	0	-
Germany	0	5	-	-	0	-	-	-	0	-	-
Guatemala	0	-	-	-	-22	-13	-4	-	-38	0	-
Honduras	0	-	-	-	-9	-11	-2	-	-23	0	-
India	-5	0	-	-	1	0	0	-	1	0	-
Indonesia	0	0	-	-	0	-	-	-	0	-	-
Italy	0	1	-	-	-	-	-	-	-	-	-
Japan	0	-	-	0	1	-	-	-	1	0	-
Korea, South	-10	1	-	-	6	3	-	-	9	0	0
Latvia	-	-	-	-	-	-	-	-	-	0	-
Lithuania	0	-	-	-	0	-	-	-	0	-	-
Malaysia	0	0	-	0	0	-	-	-	0	0	-
Mexico	-4	0	-	-	-278	-3	0	-	-281	0	-
Netherlands	-6	0	0	-	-17	-2	-7	-	-26	-1	1
Norway	0	0	-	-	-1	-	-	-	-1	-	-
Oman	-1	-	-	-	1	-	-	-	1	-	-
Panama	0	-	-	-	-47	-8	-12	-	-67	0	-
Portugal	-	-	-	-	1	-	-	-	1	-	-
Puerto Rico	0	0	-	-	-5	0	0	-	-5	0	-
Qatar	0	-	-	-	11	-	-	-	11	-	-
Russia	-	-	-	-	6	-	0	-	6	-	-
Spain	0	1	-	-	-1	-	-	-	-1	0	-
Sweden	-1	-	-	-	-1	-1	-	-	-2	-	-
Trinidad and Tobago	0	-	-	-	-6	-2	-7	-	-15	-	-
United Kingdom	-4	0	-	-	-27	-	-1	-	-28	-1	-
Vietnam	0	-	-	-	0	-	-	-	0	-	-
Virgin Islands, U.S.	0	-	-	-	-14	-1	-7	-	-23	0	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-13	-3	17	0	-282	-26	-21	0	-328	0	0
<b>Total</b>	<b>-81</b>	<b>1</b>	<b>17</b>	<b>0</b>	<b>-828</b>	<b>-88</b>	<b>-101</b>	<b>1</b>	<b>-1,016</b>	<b>-7</b>	<b>1</b>
<b>Persian Gulf<sup>4</sup></b>	<b>-2</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>17</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>17</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
<b>OPEC</b> .....	-	11	0	10	0	-	0	-5
Algeria .....	-	0	-	3	-	-	-	0
Angola .....	-	-	-	-	0	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	0	-	0	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	1	-	-	0	-
Kuwait .....	-	9	-	-	-	-	0	0
Libya .....	-	-	-	-	-	-	-	-
Nigeria .....	-	0	-	-	-	-	0	-1
Saudi Arabia .....	-	1	0	6	-	-	0	0
United Arab Emirates .....	-	1	-	0	-	-	0	-4
Venezuela .....	-	0	-	-	-	-	0	-
<b>Non-OPEC</b> .....	-	-69	14	81	12	-36	1	-548
Argentina .....	-	-1	-	0	-	-2	0	2
Aruba .....	-	-2	-	-	-	-	-	-
Australia .....	-	0	-	0	-	-	0	-7
Bahamas .....	-	-4	-	-13	-	-	-	-
Bahrain .....	-	-	-	1	-	-	0	0
Belgium .....	-	0	-	3	-	0	0	-4
Brazil .....	-	-7	-	18	-	-1	0	-49
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	0
Canada .....	-	-18	4	2	3	2	0	-18
Chad .....	-	-	-	-	-	-	-	-
China .....	-	5	-	0	-	-	1	-105
Colombia .....	-	-2	-	14	-	-	0	0
Denmark .....	-	-	-	1	-	-	0	-2
Dominican Republic .....	-	-6	-	-3	-	-	0	-6
Ecuador .....	-	0	-	3	-	-	0	-4
Estonia .....	-	-	-	-	-	-	0	-
Finland .....	-	-	-	-	-	-	0	-1
France .....	-	-	-	0	0	0	0	-2
Germany .....	-	0	0	3	0	-	0	-1
Guatemala .....	-	-2	-	0	-	-	0	-11
Honduras .....	-	-2	-	-1	-	-	0	-8
India .....	-	4	-	-1	1	-18	0	-64
Indonesia .....	-	-	-	-	-	-	0	0
Italy .....	-	-	-	1	0	-1	0	-19
Japan .....	-	17	1	0	1	-	0	-51
Korea, South .....	-	64	8	-8	1	-	0	-3
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	3	-	-	0	-
Malaysia .....	-	-	-	2	-	-	1	-2
Mexico .....	-	-54	0	68	3	-3	-1	-54
Netherlands .....	-	-2	1	0	0	-1	0	-9
Norway .....	-	-	-	1	-	-	0	-3
Oman .....	-	0	-	-	-	-	-	-3
Panama .....	-	-14	-	-21	-	0	0	-1
Portugal .....	-	-	-	-	-	-	0	-2
Puerto Rico .....	-	-2	-	0	-	-	0	-
Qatar .....	-	2	-	-	0	-	0	-1
Russia .....	-	-	-	15	-	-	0	0
Spain .....	-	-	0	2	0	-	0	-14
Sweden .....	-	-	-	1	-	-	0	0
Trinidad and Tobago .....	-	-4	-	0	-	-	0	0
United Kingdom .....	-	0	0	2	0	0	0	-3
Vietnam .....	-	0	-	-	-	-	0	0
Virgin Islands, U.S. ....	-	-3	-	-11	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	-	-38	0	-1	3	-12	0	-103
<b>Total</b> .....	-	-58	14	92	12	-36	1	-554
<b>Persian Gulf<sup>4</sup></b> .....	-	12	0	7	0	-	0	-6

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b> .....	<b>0</b>	<b>2</b>	<b>0</b>	<b>236</b>	<b>1,215</b>
Algeria .....	—	0	—	43	59
Angola .....	0	0	—	4	47
Congo (Brazzaville) .....	—	—	—	—	—
Equatorial Guinea .....	—	0	—	2	2
Gabon .....	—	0	—	0	2
Iran .....	—	—	—	—	1
Iraq .....	—	0	—	67	311
Kuwait .....	—	0	0	15	42
Libya .....	—	0	—	0	79
Nigeria .....	0	-3	—	-13	82
Saudi Arabia .....	0	0	0	99	554
United Arab Emirates .....	0	5	0	19	31
Venezuela .....	—	0	0	-2	-2
<b>Non-OPEC</b> .....	<b>42</b>	<b>-48</b>	<b>-2</b>	<b>-4,132</b>	<b>-2,406</b>
Argentina .....	-1	-1	0	-56	7
Aruba .....	—	0	—	-4	-4
Australia .....	0	0	0	-19	-40
Bahamas .....	0	0	0	-36	-38
Bahrain .....	—	2	—	2	2
Belgium .....	0	-11	0	-65	-67
Brazil .....	0	-9	0	-285	-202
Brunei .....	—	0	—	1	1
Cameroon .....	—	0	—	0	0
Canada .....	50	0	0	55	3,520
Chad .....	—	0	—	0	0
China .....	0	0	0	-418	-635
Colombia .....	1	-12	0	-111	87
Denmark .....	—	0	—	-2	-51
Dominican Republic .....	-1	-1	0	-98	-120
Ecuador .....	0	-2	0	-95	48
Estonia .....	—	0	—	0	0
Finland .....	—	0	—	-4	-13
France .....	—	-1	0	-16	-184
Germany .....	0	0	0	11	-97
Guatemala .....	0	-1	0	-104	-102
Honduras .....	0	0	0	-67	-67
India .....	0	-2	0	-107	-418
Indonesia .....	0	3	0	-80	-81
Italy .....	0	0	0	14	-163
Japan .....	0	0	0	-447	-473
Korea, South .....	0	12	0	-59	-429
Latvia .....	—	0	—	-1	-1
Lithuania .....	—	0	0	10	2
Malaysia .....	0	0	0	22	12
Mexico .....	-3	-23	-1	-980	-344
Netherlands .....	0	1	0	-91	-450
Norway .....	—	0	0	-22	-34
Oman .....	—	0	—	0	0
Panama .....	0	-1	0	-138	-159
Portugal .....	—	0	—	-2	-16
Puerto Rico .....	-1	-1	0	-9	-9
Qatar .....	0	11	—	24	24
Russia .....	0	0	—	127	147
Spain .....	2	0	—	-17	-183
Sweden .....	—	0	0	-42	-73
Trinidad and Tobago .....	—	0	0	-22	22
United Kingdom .....	0	0	0	-15	-308
Vietnam .....	0	0	0	-8	-10
Virgin Islands, U.S. ....	0	0	—	-43	-43
Yemen .....	—	0	—	0	0
Other .....	-5	-12	-1	-935	-1,464
<b>Total</b> .....	<b>42</b>	<b>-46</b>	<b>-2</b>	<b>-3,896</b>	<b>-1,191</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>0</b>	<b>18</b>	<b>0</b>	<b>227</b>	<b>967</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. Quantities are gross imports because exports are excluded from EIA data.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

<sup>4</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.

<sup>2</sup> EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>7,612</b>	<b>107,006</b>	<b>615,091</b>	<b>24,421</b>	<b>48,002</b>	<b>802,132</b>
Refinery .....	5,642	13,680	45,341	2,449	20,535	87,647
Tank Farms and Pipelines (Includes Cushing, OK) ....	1,970	93,326	197,720	21,972	24,611	339,599
Cushing, Oklahoma .....	--	26,095	--	--	--	26,095
Leases .....	--	--	--	--	--	--
Strategic Petroleum Reserve <sup>1</sup> .....	--	--	372,030	--	--	372,030
Alaskan In Transit .....	--	--	--	--	2,856	2,856
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> .....	<b>135,213</b>	<b>175,825</b>	<b>364,358</b>	<b>23,817</b>	<b>93,277</b>	<b>792,490</b>
Refinery .....	11,743	46,883	114,116	10,451	49,914	233,107
Bulk Terminal .....	93,901	90,043	192,126	6,737	38,279	421,086
Pipeline .....	29,307	37,309	56,497	6,476	4,723	134,312
Natural Gas Processing Plant .....	262	1,590	1,619	153	361	3,985
<b>Natural Gas Liquids</b> .....	<b>9,555</b>	<b>52,061</b>	<b>137,791</b>	<b>6,039</b>	<b>3,831</b>	<b>209,277</b>
Refinery .....	465	3,514	4,963	330	1,304	10,576
Bulk Terminal .....	6,768	28,918	107,463	1,073	2,166	146,388
Pipeline .....	2,060	18,039	23,746	4,483	--	48,328
Natural Gas Processing Plant .....	262	1,590	1,619	153	361	3,985
<b>Ethane</b> .....	<b>860</b>	<b>6,195</b>	<b>45,455</b>	<b>1,036</b>	--	<b>53,546</b>
Refinery .....	--	--	18	--	--	18
Bulk Terminal .....	297	2,278	36,708	--	--	39,283
Pipeline .....	563	3,757	8,699	1,032	--	14,051
Natural Gas Processing Plant .....	--	160	30	4	--	194
<b>Propane</b> .....	<b>6,839</b>	<b>23,115</b>	<b>42,813</b>	<b>2,395</b>	<b>1,480</b>	<b>76,642</b>
Refinery .....	105	1,256	928	41	130	2,460
Bulk Terminal .....	5,442	17,407	34,766	574	1,313	59,502
Pipeline .....	1,164	3,715	6,973	1,717	--	13,569
Natural Gas Processing Plant .....	128	737	146	63	37	1,111
<b>Normal Butane</b> .....	<b>1,514</b>	<b>10,101</b>	<b>26,706</b>	<b>1,411</b>	<b>2,033</b>	<b>41,765</b>
Refinery .....	278	1,377	2,840	210	898	5,603
Bulk Terminal .....	937	6,981	20,809	484	850	30,061
Pipeline .....	250	1,489	2,697	690	--	5,126
Natural Gas Processing Plant .....	49	254	360	27	285	975
<b>Isobutane</b> .....	<b>140</b>	<b>2,021</b>	<b>9,311</b>	<b>425</b>	<b>296</b>	<b>12,193</b>
Refinery .....	82	494	795	74	274	1,719
Bulk Terminal .....	--	586	6,544	--	--	7,130
Pipeline .....	44	799	1,418	337	--	2,598
Natural Gas Processing Plant .....	14	142	554	14	22	746
<b>Natural Gasoline</b> .....	<b>202</b>	<b>10,629</b>	<b>13,506</b>	<b>772</b>	<b>22</b>	<b>25,131</b>
Refinery .....	--	387	382	5	2	776
Bulk Terminal .....	92	1,666	8,636	15	3	10,412
Pipeline .....	39	8,279	3,959	707	--	12,984
Natural Gas Processing Plant .....	71	297	529	45	17	959
<b>Refinery Olefins</b> .....	<b>153</b>	<b>383</b>	<b>1,242</b>	<b>78</b>	<b>17</b>	<b>1,873</b>
Refinery .....	153	383	1,242	78	17	1,873
<b>Ethylene</b> .....	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Refinery .....	--	--	0	--	--	0
<b>Propylene</b> .....	<b>137</b>	<b>372</b>	<b>805</b>	<b>10</b>	<b>14</b>	<b>1,338</b>
Refinery .....	137	372	805	10	14	1,338
<b>Normal Butylene</b> .....	<b>0</b>	<b>11</b>	<b>437</b>	<b>68</b>	<b>3</b>	<b>519</b>
Refinery .....	0	11	437	68	3	519
<b>Isobutylene</b> .....	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>
Refinery .....	16	0	0	0	0	16
<b>Other Hydrocarbons</b> .....	<b>--</b>	<b>10</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>10</b>
Refinery .....	--	10	--	--	--	10
<b>Biofuels (Including Fuel Ethanol)<sup>2</sup></b> .....	<b>8,139</b>	<b>11,055</b>	<b>6,045</b>	<b>622</b>	<b>5,679</b>	<b>31,540</b>
Refinery .....	188	113	1,300	104	1,277	2,982
Bulk Terminal .....	7,902	10,942	4,745	518	4,402	28,509
Pipeline .....	49	--	--	--	--	49
<b>Fuel Ethanol</b> .....	<b>7,034</b>	<b>9,826</b>	<b>4,470</b>	<b>384</b>	<b>2,532</b>	<b>24,245</b>
Refinery .....	179	94	1,205	94	173	1,745
Bulk Terminal .....	6,806	9,732	3,265	290	2,359	22,451
Pipeline .....	49	--	--	--	--	49
<b>Biodiesel</b> .....	<b>1,106</b>	<b>1,106</b>	<b>695</b>	<b>14</b>	<b>687</b>	<b>3,608</b>
Refinery .....	9	19	95	10	7	140
Bulk Terminal .....	1,097	1,087	600	4	680	3,468
Pipeline .....	--	--	--	--	--	--
<b>Renewable Diesel Fuel</b> .....	<b>--</b>	<b>80</b>	<b>715</b>	<b>207</b>	<b>2,404</b>	<b>3,405</b>
Refinery .....	--	--	--	--	1,097	1,097
Bulk Terminal .....	--	80	715	207	1,307	2,308
Pipeline .....	--	--	--	--	--	--
<b>Other Biofuels<sup>3</sup></b> .....	<b>--</b>	<b>43</b>	<b>166</b>	<b>18</b>	<b>56</b>	<b>282</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	43	166	18	56	282
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2022**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Unfinished Oils</b> .....	<b>3,457</b>	<b>13,573</b>	<b>47,644</b>	<b>2,995</b>	<b>18,713</b>	<b>86,382</b>
<b>Naphthas and Lighter</b> .....	<b>855</b>	<b>2,961</b>	<b>10,660</b>	<b>640</b>	<b>2,693</b>	<b>17,809</b>
Refinery .....	855	2,935	9,728	640	2,517	16,675
Bulk Terminal .....	—	26	932	—	176	1,134
<b>Kerosene and Light Gas Oils</b> .....	<b>431</b>	<b>2,806</b>	<b>8,422</b>	<b>709</b>	<b>3,084</b>	<b>15,452</b>
Refinery .....	431	2,806	6,355	709	3,004	13,305
Bulk Terminal .....	—	—	2,067	—	80	2,147
<b>Heavy Gas Oils</b> .....	<b>1,568</b>	<b>5,613</b>	<b>22,263</b>	<b>943</b>	<b>9,548</b>	<b>39,935</b>
Refinery .....	1,544	5,254	19,471	943	8,907	36,119
Bulk Terminal .....	24	359	2,792	—	641	3,816
<b>Residuum</b> .....	<b>603</b>	<b>2,193</b>	<b>6,299</b>	<b>703</b>	<b>3,388</b>	<b>13,186</b>
Refinery .....	603	2,193	6,299	703	3,388	13,186
Bulk Terminal .....	—	—	—	—	—	—
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	<b>53,504</b>	<b>43,375</b>	<b>73,642</b>	<b>6,280</b>	<b>30,371</b>	<b>207,172</b>
Refinery .....	3,234	12,579	24,931	3,041	13,958	57,743
Bulk Terminal .....	37,862	22,318	31,275	2,201	13,562	107,218
Pipeline .....	12,408	8,478	17,436	1,038	2,851	42,211
<b>Reformulated - RBOB</b> .....	<b>19,097</b>	<b>4,335</b>	<b>8,986</b>	<b>—</b>	<b>15,353</b>	<b>47,772</b>
Refinery .....	1,281	777	1,158	—	5,443	8,659
Bulk Terminal .....	14,191	2,991	4,476	—	8,338	29,997
Pipeline .....	3,625	567	3,352	—	1,572	9,116
<b>Conventional</b> .....	<b>34,407</b>	<b>39,039</b>	<b>64,656</b>	<b>6,280</b>	<b>15,018</b>	<b>159,400</b>
Refinery .....	1,953	11,802	23,773	3,041	8,515	49,084
Bulk Terminal .....	23,671	19,326	26,799	2,201	5,224	77,221
Pipeline .....	8,783	7,911	14,084	1,038	1,279	33,095
<b>CBOB</b> .....	<b>26,311</b>	<b>32,068</b>	<b>36,147</b>	<b>4,921</b>	<b>7,787</b>	<b>107,234</b>
Refinery .....	229	5,929	10,435	1,685	2,428	20,706
Bulk Terminal .....	17,301	18,269	11,860	2,198	4,085	53,713
Pipeline .....	8,781	7,870	13,852	1,038	1,274	32,815
<b>GTAB</b> .....	<b>1,082</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,082</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	1,082	—	—	—	—	1,082
Pipeline .....	—	—	—	—	—	—
<b>Other</b> .....	<b>7,014</b>	<b>6,971</b>	<b>28,509</b>	<b>1,359</b>	<b>7,231</b>	<b>51,084</b>
Refinery .....	1,724	5,873	13,338	1,356	6,087	28,378
Bulk Terminal .....	5,288	1,057	14,939	3	1,139	22,426
Pipeline .....	2	41	232	—	5	280
<b>Aviation Gasoline Blending Components</b> .....	<b>—</b>	<b>—</b>	<b>33</b>	<b>—</b>	<b>—</b>	<b>33</b>
Refinery .....	—	—	33	—	—	33
Bulk Terminal .....	—	—	—	—	—	—
<b>Finished Motor Gasoline</b> .....	<b>2,894</b>	<b>3,237</b>	<b>7,768</b>	<b>1,137</b>	<b>2,202</b>	<b>17,238</b>
Refinery .....	19	490	3,558	778	743	5,588
Bulk Terminal .....	526	1,008	3,869	200	1,443	7,046
Pipeline .....	2,349	1,739	341	159	16	4,604
<b>Reformulated</b> .....	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>15</b>	<b>20</b>
Refinery .....	—	—	—	—	15	15
Bulk Terminal .....	5	—	—	—	—	5
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>15</b>	<b>20</b>
Refinery .....	—	—	—	—	15	15
Bulk Terminal .....	5	—	—	—	—	5
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Other)</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional</b> .....	<b>2,889</b>	<b>3,237</b>	<b>7,768</b>	<b>1,137</b>	<b>2,187</b>	<b>17,218</b>
Refinery .....	19	490	3,558	778	728	5,573
Bulk Terminal .....	521	1,008	3,869	200	1,443	7,041
Pipeline .....	2,349	1,739	341	159	16	4,604
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>—</b>	<b>184</b>	<b>—</b>	<b>60</b>	<b>34</b>	<b>278</b>
Refinery .....	—	—	—	58	—	58
Bulk Terminal .....	—	184	—	2	34	220
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>—</b>	<b>184</b>	<b>—</b>	<b>60</b>	<b>—</b>	<b>244</b>
Refinery .....	—	—	—	58	—	58
Bulk Terminal .....	—	184	—	2	—	186
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>34</b>	<b>34</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	34	34
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>2,889</b>	<b>3,053</b>	<b>7,768</b>	<b>1,077</b>	<b>2,153</b>	<b>16,940</b>
Refinery .....	19	490	3,558	720	728	5,515
Bulk Terminal .....	521	824	3,869	198	1,409	6,821
Pipeline .....	2,349	1,739	341	159	16	4,604

See footnotes at end of table.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2022**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Finished Aviation Gasoline</b>	<b>206</b>	<b>203</b>	<b>551</b>	<b>9</b>	<b>337</b>	<b>1,306</b>
Refinery	—	62	394	9	205	670
Bulk Terminal	206	141	157	—	132	636
Pipeline	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b>	<b>8,957</b>	<b>6,802</b>	<b>9,595</b>	<b>755</b>	<b>8,930</b>	<b>35,039</b>
Refinery	508	1,631	4,148	372	3,506	10,165
Bulk Terminal	5,158	2,920	2,571	233	4,655	15,537
Pipeline	3,291	2,251	2,876	150	769	9,337
<b>Kerosene</b>	<b>1,659</b>	<b>98</b>	<b>409</b>	<b>2</b>	<b>13</b>	<b>2,181</b>
Refinery	84	94	54	2	2	236
Bulk Terminal	1,244	4	294	—	11	1,553
Pipeline	331	—	61	—	—	392
<b>Distillate Fuel Oil<sup>2</sup></b>	<b>34,402</b>	<b>28,940</b>	<b>38,554</b>	<b>3,705</b>	<b>13,298</b>	<b>118,899</b>
Refinery	1,380	5,768	12,690	1,650	5,346	26,834
Bulk Terminal	24,203	16,370	13,827	1,409	6,865	62,674
Pipeline	8,819	6,802	12,037	646	1,087	29,391
<b>15 ppm sulfur and Under</b>	<b>32,015</b>	<b>28,138</b>	<b>32,707</b>	<b>3,509</b>	<b>12,374</b>	<b>108,743</b>
Refinery	1,038	5,306	10,350	1,509	4,779	22,982
Bulk Terminal	22,323	16,286	10,639	1,354	6,606	57,208
Pipeline	8,654	6,546	11,718	646	989	28,553
<b>Greater than 15 ppm to 500 ppm sulfur</b>	<b>591</b>	<b>397</b>	<b>1,131</b>	<b>148</b>	<b>232</b>	<b>2,499</b>
Refinery	126	103	534	93	199	1,055
Bulk Terminal	465	49	497	55	1	1,067
Pipeline	—	245	100	—	32	377
<b>Greater than 500 ppm sulfur</b>	<b>1,796</b>	<b>405</b>	<b>4,716</b>	<b>48</b>	<b>692</b>	<b>7,657</b>
Refinery	216	359	1,806	48	368	2,797
Bulk Terminal	1,415	35	2,691	—	258	4,399
Pipeline	165	11	219	—	66	461
<b>Residual Fuel Oil</b>	<b>5,611</b>	<b>1,188</b>	<b>18,640</b>	<b>210</b>	<b>5,090</b>	<b>30,739</b>
Refinery	367	1,065	4,688	210	2,610	8,940
Bulk Terminal	5,244	123	13,952	—	2,480	21,799
Pipeline	—	—	—	—	—	—
<b>Less than 0.31% Sulfur</b>	<b>293</b>	<b>219</b>	<b>1,541</b>	<b>26</b>	<b>701</b>	<b>2,780</b>
Refinery	18	216	60	26	36	356
Bulk Terminal	275	3	1,481	—	665	2,424
<b>0.31% to 1.00% Sulfur</b>	<b>842</b>	<b>244</b>	<b>4,227</b>	<b>4</b>	<b>854</b>	<b>6,171</b>
Refinery	102	242	970	4	430	1,748
Bulk Terminal	740	2	3,257	—	424	4,423
<b>Greater than 1.00% Percent Sulfur</b>	<b>4,476</b>	<b>725</b>	<b>12,872</b>	<b>180</b>	<b>3,535</b>	<b>21,788</b>
Refinery	247	607	3,658	180	2,144	6,836
Bulk Terminal	4,229	118	9,214	—	1,391	14,952
<b>Petrochemical Feedstocks</b>	<b>—</b>	<b>528</b>	<b>1,860</b>	<b>—</b>	<b>—</b>	<b>2,388</b>
Refinery	—	528	1,860	—	—	2,388
Naphtha for Petrochemical Feedstock Use	—	393	1,390	—	—	1,783
Other Oils for Petrochemical Feedstock Use	—	135	470	—	—	605
<b>Special Naphthas</b>	<b>61</b>	<b>160</b>	<b>766</b>	<b>—</b>	<b>32</b>	<b>1,019</b>
Refinery	34	75	755	—	32	896
Bulk Terminal	27	85	11	—	—	123
<b>Lubricants</b>	<b>1,540</b>	<b>760</b>	<b>10,058</b>	<b>—</b>	<b>1,027</b>	<b>13,385</b>
Refinery	970	227	5,914	—	794	7,905
Bulk Terminal	570	533	4,144	—	233	5,480
<b>Waxes</b>	<b>221</b>	<b>47</b>	<b>333</b>	<b>—</b>	<b>—</b>	<b>601</b>
Refinery	221	47	333	—	—	601
<b>Petroleum Coke</b>	<b>—</b>	<b>2,619</b>	<b>2,894</b>	<b>97</b>	<b>1,264</b>	<b>6,874</b>
Refinery	—	2,619	2,894	97	1,264	6,874
<b>Asphalt and Road Oil</b>	<b>4,788</b>	<b>10,548</b>	<b>5,930</b>	<b>1,871</b>	<b>2,395</b>	<b>25,532</b>
Refinery	621	4,358	1,955	769	962	8,665
Bulk Terminal	4,167	6,190	3,975	1,102	1,433	16,867
<b>Miscellaneous Products</b>	<b>66</b>	<b>239</b>	<b>603</b>	<b>16</b>	<b>78</b>	<b>1,002</b>
Refinery	66	132	551	16	78	843
Bulk Terminal	—	107	52	—	—	159
Pipeline	—	—	—	—	—	—
<b>Total Stocks, All Oils</b>	<b>142,825</b>	<b>282,831</b>	<b>979,449</b>	<b>48,238</b>	<b>141,279</b>	<b>1,594,622</b>

-- = Not Applicable.

- = No Data Reported.

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

2 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 biofuel production facilities.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms 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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."



**Table 35. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, 2022**  
(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>5</b>	<b>540</b>	<b>545</b>	<b>15,472</b>	<b>25,624</b>	<b>41,096</b>	<b>1,328</b>
Connecticut	–	–	–	919	15	934	31
Delaware	–	–	–	719	404	1,123	53
District of Columbia	–	–	–	–	–	–	–
Florida	–	244	244	–	5,338	5,338	–
Georgia	–	72	72	–	2,415	2,415	–
Maine	–	–	–	77	171	248	187
Maryland	–	–	–	1,050	67	1,117	32
Massachusetts	4	–	4	1,583	–	1,583	–
New Hampshire	–	–	–	–	–	–	–
New Jersey	–	3	3	8,019	7,295	15,314	464
New York	1	–	1	914	1,522	2,436	375
North Carolina	–	58	58	–	2,365	2,365	22
Pennsylvania	–	–	–	559	3,570	4,129	110
Rhode Island	–	–	–	345	4	349	–
South Carolina	–	98	98	–	1,198	1,198	18
Vermont	–	–	–	–	18	18	3
Virginia	–	22	22	1,287	1,071	2,358	33
West Virginia	–	43	43	–	171	171	–
<b>PAD District 2</b>	<b>–</b>	<b>1,498</b>	<b>1,498</b>	<b>3,768</b>	<b>31,128</b>	<b>34,897</b>	<b>98</b>
Illinois	–	34	34	1,813	4,054	5,867	58
Indiana	–	83	83	717	3,663	4,380	–
Iowa	–	53	53	–	2,114	2,114	–
Kansas	–	203	203	–	2,811	2,811	19
Kentucky	–	85	85	325	1,446	1,771	–
Michigan	–	12	12	65	2,866	2,931	–
Minnesota	–	251	251	0	2,174	2,174	–
Missouri	–	128	128	344	710	1,054	–
Nebraska	–	58	58	–	592	592	–
North Dakota	–	37	37	–	919	919	–
Ohio	–	280	280	–	3,317	3,317	6
Oklahoma	–	140	140	–	2,648	2,648	13
South Dakota	–	27	27	–	417	417	–
Tennessee	–	49	49	–	2,063	2,063	–
Wisconsin	–	58	58	504	1,334	1,838	2
<b>PAD District 3</b>	<b>–</b>	<b>7,427</b>	<b>7,427</b>	<b>5,634</b>	<b>50,572</b>	<b>56,206</b>	<b>348</b>
Alabama	–	112	112	5	1,055	1,060	3
Arkansas	–	114	114	–	870	870	–
Louisiana	–	1,206	1,206	174	11,742	11,916	1
Mississippi	–	1,554	1,554	13	2,028	2,041	–
New Mexico	–	24	24	6	636	642	–
Texas	–	4,417	4,417	5,436	34,241	39,677	344
<b>PAD District 4</b>	<b>–</b>	<b>978</b>	<b>978</b>	<b>–</b>	<b>5,242</b>	<b>5,242</b>	<b>2</b>
Colorado	–	27	27	–	1,486	1,486	–
Idaho	–	7	7	–	408	408	–
Montana	–	327	327	–	1,262	1,262	–
Utah	–	112	112	–	1,382	1,382	2
Wyoming	–	505	505	–	704	704	–
<b>PAD District 5</b>	<b>15</b>	<b>2,171</b>	<b>2,186</b>	<b>13,781</b>	<b>13,739</b>	<b>27,520</b>	<b>13</b>
Alaska	–	336	336	–	547	547	11
Arizona	–	72	72	789	198	987	–
California	15	442	457	12,832	6,949	19,781	2
Hawaii	–	438	438	–	353	353	–
Nevada	–	265	265	21	282	303	–
Oregon	–	85	85	–	1,633	1,633	–
Washington	–	533	533	139	3,777	3,916	–
<b>U.S. Total</b>	<b>20</b>	<b>12,614</b>	<b>12,634</b>	<b>38,656</b>	<b>126,305</b>	<b>164,961</b>	<b>1,789</b>

See footnotes at end of table.

**Table 35. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, 2022**  
(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>23,361</b>	<b>591</b>	<b>1,631</b>	<b>25,583</b>	<b>5,611</b>	<b>5,675</b>
Connecticut	1,134	—	—	1,134	10	—
Delaware	353	32	74	459	582	10
District of Columbia	—	—	—	—	—	—
Florida	1,985	51	—	2,036	1,001	242
Georgia	1,539	—	—	1,539	244	13
Maine	818	3	—	821	22	—
Maryland	902	—	—	902	269	—
Massachusetts	685	7	—	692	84	—
New Hampshire	681	—	—	681	33	173
New Jersey	5,851	187	825	6,863	2,721	93
New York	2,820	—	351	3,171	308	1,608
North Carolina	1,160	—	—	1,160	—	326
Pennsylvania	2,640	—	122	2,762	275	2,214
Rhode Island	709	—	—	709	—	—
South Carolina	620	—	—	620	20	569
Vermont	6	—	—	6	—	—
Virginia	1,279	220	259	1,758	42	5
West Virginia	179	91	—	270	—	91
<b>PAD District 2</b>	<b>21,592</b>	<b>152</b>	<b>394</b>	<b>22,138</b>	<b>1,188</b>	<b>19,400</b>
Illinois	2,658	—	1	2,659	415	946
Indiana	2,337	—	66	2,403	233	305
Iowa	1,917	1	—	1,918	—	169
Kansas	2,180	—	—	2,180	27	12,841
Kentucky	854	—	—	854	—	239
Michigan	1,342	—	—	1,342	71	3,611
Minnesota	1,649	—	126	1,775	160	280
Missouri	913	37	5	955	—	76
Nebraska	971	—	—	971	—	235
North Dakota	693	—	—	693	43	34
Ohio	1,636	11	79	1,726	102	522
Oklahoma	1,566	103	117	1,786	58	91
South Dakota	654	—	—	654	—	7
Tennessee	1,173	—	—	1,173	78	6
Wisconsin	1,048	—	—	1,048	1	38
<b>PAD District 3</b>	<b>20,989</b>	<b>1,031</b>	<b>4,497</b>	<b>26,517</b>	<b>18,640</b>	<b>35,840</b>
Alabama	920	—	30	950	331	11
Arkansas	632	—	—	632	—	26
Louisiana	4,691	477	1,002	6,170	8,498	2,548
Mississippi	842	278	61	1,181	894	1,863
New Mexico	269	—	—	269	113	3
Texas	13,635	276	3,404	17,315	8,804	31,389
<b>PAD District 4</b>	<b>2,863</b>	<b>148</b>	<b>48</b>	<b>3,059</b>	<b>210</b>	<b>678</b>
Colorado	618	—	—	618	3	19
Idaho	166	—	—	166	—	—
Montana	978	69	—	1,047	77	27
Utah	608	19	48	675	45	583
Wyoming	493	60	—	553	85	49
<b>PAD District 5</b>	<b>11,385</b>	<b>200</b>	<b>626</b>	<b>12,211</b>	<b>5,090</b>	<b>1,480</b>
Alaska	906	—	37	943	135	3
Arizona	746	—	—	746	—	840
California	5,045	199	353	5,597	3,171	316
Hawaii	310	1	234	545	859	55
Nevada	431	—	2	433	—	—
Oregon	1,325	—	—	1,325	173	—
Washington	2,622	—	—	2,622	752	266
<b>U.S. Total</b>	<b>80,190</b>	<b>2,122</b>	<b>7,196</b>	<b>89,508</b>	<b>30,739</b>	<b>63,073</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. Includes stocks held at biofuel production facilities.

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 Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2022**  
(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>4,294</b>	<b>1,760</b>	<b>0</b>	<b>18,188</b>	<b>623,016</b>	<b>74,618</b>	<b>30,045</b>	<b>24,281</b>	<b>227,415</b>
<b>Petroleum Products</b> .....	<b>201,355</b>	<b>877</b>	<b>3</b>	<b>255,087</b>	<b>554,643</b>	<b>165,560</b>	<b>58,380</b>	<b>1,216,772</b>	<b>240,696</b>
Natural Gas Liquids .....	86,519	688	0	90,309	408,901	118,217	7,795	20,209	130,312
Ethane .....	63,151	0	-	993	194,605	34,534	-	0	15,035
Propane .....	11,795	71	0	66,559	118,702	43,387	3,082	19,929	20,958
Normal Butane .....	3,292	387	0	21,425	43,952	18,571	4,155	267	6,469
Isobutane .....	5,191	230	0	1,333	16,398	6,575	557	13	13,152
Natural Gasoline .....	3,089	0	-	0	35,243	15,150	-	0	74,698
Refinery Olefins .....	0	0	-	3,692	6,055	-	-	0	0
Ethylene .....	-	-	-	-	-	-	-	-	-
Propylene .....	0	0	-	3,692	6,055	-	-	0	0
Normal Butylene .....	-	-	-	-	-	-	-	-	-
Isobutylene .....	-	-	-	-	-	-	-	-	-
Unfinished Oils .....	445	0	0	0	12,721	0	0	394	4,314
Motor Gasoline Blending Components .....	76,806	0	0	14,946	19,974	22,697	0	678,488	44,752
Reformulated - RBOB .....	0	0	0	0	1,775	40	0	96,847	15,389
Conventional .....	76,806	0	0	14,946	18,199	22,657	0	581,641	29,363
CBOB .....	76,806	0	0	14,946	16,616	22,657	0	570,464	26,856
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	1,583	-	0	11,177	2,507
Biofuels (including Fuel Ethanol) .....	63	0	3	106,195	67,659	5,229	48,090	696	116
Fuel Ethanol .....	0	0	0	104,149	64,549	4,939	44,322	684	0
Biodiesel .....	63	0	3	2,046	3,110	290	3,767	12	116
Renewable Diesel Fuel .....	-	0	0	-	0	-	0	-	-
Other Biofuels <sup>2</sup> .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	916	0	0	8,186	1,226	1,284	0	20,560	13,319
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	916	0	0	8,186	1,226	1,284	0	20,560	13,319
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	916	0	0	8,186	1,226	1,284	0	20,560	13,319
Finished Aviation Gasoline .....	0	0	-	0	52	-	-	884	314
Kerosene-Type Jet Fuel .....	4,157	0	0	1,516	293	8,448	0	172,016	15,107
Kerosene .....	26	0	-	0	0	-	-	309	0
Distillate Fuel Oil .....	32,159	0	0	16,500	11,828	9,447	0	312,860	26,764
15 ppm sulfur and under .....	32,159	0	0	16,500	11,828	9,447	0	302,589	25,271
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	0	-	-	73	1,444
Greater than 500 ppm sulfur .....	0	0	-	0	0	-	-	10,198	49
Residual Fuel Oil .....	0	0	-	0	10,464	-	-	265	36
Petrochemical Feedstocks .....	0	31	-	0	1,093	-	-	0	171
Naphtha for Petrochemical Feedstock Use .....	0	0	-	-	893	-	-	-	136
Other Oils for Petrochemical Feedstock Use .....	0	31	-	0	200	-	-	0	35
Special Naphthas .....	0	0	-	0	195	-	-	25	294
Lubricants .....	0	0	0	116	153	-	0	5,829	2,444
Waxes .....	-	-	-	-	-	-	-	-	-
Marketable Petroleum Coke .....	0	146	0	3,877	9,313	156	322	344	276
Asphalt and Road Oil .....	265	13	0	9,750	4,716	82	2,174	3,893	2,387
Miscellaneous Products .....	0	0	-	-	0	-	-	-	90
<b>Total</b> .....	<b>205,649</b>	<b>2,637</b>	<b>3</b>	<b>273,275</b>	<b>1,177,659</b>	<b>240,178</b>	<b>88,425</b>	<b>1,241,053</b>	<b>468,111</b>

See footnotes at end of table.

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail<sup>1</sup> Between PAD Districts, 2022**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to			
	4	5	1	2	3	5	1	2	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>188</b>	<b>0</b>	<b>299,514</b>	<b>11,914</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>25</b>	<b>68,166</b>	<b>5</b>	<b>255,588</b>	<b>55,719</b>	<b>26,875</b>	<b>33</b>	<b>430</b>	<b>781</b>	<b>693</b>
Natural Gas Liquids .....	0	1,386	0	241,607	53,222	3,907	0	0	0	0
Ethane .....	0	—	0	77,019	20,967	—	0	0	0	0
Propane .....	0	0	0	85,063	15,286	2,024	0	0	0	0
Normal Butane .....	0	568	0	35,510	5,336	1,512	0	0	0	0
Isobutane .....	0	817	0	13,908	4,366	371	0	0	0	0
Natural Gasoline .....	0	—	0	30,107	7,267	—	0	0	0	0
Refinery Olefins .....	—	—	0	0	0	—	0	0	0	—
Ethylene .....	—	—	—	—	—	—	—	—	—	—
Propylene .....	—	—	0	0	0	—	0	0	0	—
Normal Butylene .....	—	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	0	276	0	0	0	0	0	0	0	0
Motor Gasoline Blending Components .....	0	41,052	0	2,357	0	13,631	0	0	0	0
Reformulated - RBOB .....	0	22,942	0	0	0	0	0	0	0	0
Conventional .....	0	18,110	0	2,357	0	13,631	0	0	0	0
CBOB .....	0	18,062	0	2,357	0	13,631	0	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—	—
Other .....	—	48	0	0	0	0	0	0	0	—
Biofuels (including Fuel Ethanol) .....	0	10,547	0	0	0	818	0	0	0	28
Fuel Ethanol .....	0	4,612	0	0	0	818	0	0	0	0
Biodiesel .....	0	912	0	0	0	0	0	0	0	28
Renewable Diesel Fuel .....	—	5,023	—	—	0	0	—	—	0	—
Other Biofuels <sup>2</sup> .....	—	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	4,430	0	1,071	0	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	4,430	0	1,071	0	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	4,430	0	1,071	0	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	0	—
Kerosene-Type Jet Fuel .....	0	2,654	0	228	0	622	0	0	0	0
Kerosene .....	—	—	0	0	0	—	0	0	0	—
Distillate Fuel Oil .....	0	10,792	0	4,317	0	3,710	0	0	0	0
15 ppm sulfur and under .....	0	10,792	0	4,317	0	3,710	0	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	0	0	0	—	0	0	0	—
Greater than 500 ppm sulfur .....	—	—	0	0	0	—	0	0	0	—
Residual Fuel Oil .....	—	—	0	0	0	—	0	0	0	—
Petrochemical Feedstocks .....	—	—	0	0	0	—	0	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	0	0	0	—	0	0	0	—
Special Naphthas .....	—	—	0	0	0	—	0	0	0	—
Lubricants .....	—	0	0	0	0	0	0	0	212	—
Waxes .....	—	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	80	0	1,192	796	569	33	430	566	456
Asphalt and Road Oil .....	25	1,380	5	1,456	1,701	2,546	0	0	3	209
Miscellaneous Products .....	—	—	—	0	0	—	—	0	0	—
<b>Total</b> .....	<b>25</b>	<b>68,354</b>	<b>5</b>	<b>555,102</b>	<b>67,634</b>	<b>26,875</b>	<b>33</b>	<b>430</b>	<b>781</b>	<b>693</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 2022**  
(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>2,412</b>	<b>276</b>	<b>2,055</b>	<b>621,938</b>	<b>74,618</b>	<b>1,422</b>	<b>227,415</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>196,332</b>	<b>0</b>	<b>100,775</b>	<b>431,469</b>	<b>160,093</b>	<b>960,334</b>	<b>218,589</b>	<b>0</b>	<b>54,229</b>
Natural Gas Liquids .....	82,303	0	71,732	402,400	118,217	17,565	126,325	0	-
Ethane .....	63,151	0	993	194,605	34,534	0	15,035	0	-
Propane .....	11,202	0	52,957	114,199	43,387	17,565	20,344	0	-
Normal Butane .....	1,446	0	17,782	42,637	18,571	0	5,217	0	-
Isobutane .....	3,415	0	0	15,716	6,575	0	11,031	0	-
Natural Gasoline .....	3,089	0	0	35,243	15,150	0	74,698	0	-
Motor Gasoline Blending Components .....	76,806	0	8,074	17,417	22,697	537,904	42,624	0	40,854
Reformulated - RBOB .....	0	0	0	1,775	40	96,238	15,389	0	22,942
Conventional .....	76,806	0	8,074	15,642	22,657	441,666	27,235	0	17,912
CBOB .....	76,806	0	8,074	15,642	22,657	432,595	26,678	0	17,912
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	-	9,071	557	-	-
Biofuels (including Fuel Ethanol) .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Biodiesel .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel .....	-	-	-	-	-	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	916	0	7,765	0	1,284	11,684	12,052	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	916	0	7,765	0	1,284	11,684	12,052	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	916	0	7,765	0	1,284	11,684	12,052	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	4,157	0	1,395	293	8,448	129,285	13,677	0	2,654
Kerosene .....	26	0	0	0	-	309	0	-	-
Distillate Fuel Oil .....	32,124	0	11,809	11,359	9,447	263,587	23,911	0	10,721
15 ppm sulfur and under .....	32,124	0	11,809	11,359	9,447	254,766	22,895	0	10,721
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	0	-	73	1,016	-	-
Greater than 500 ppm sulfur .....	-	0	0	0	-	8,748	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>198,744</b>	<b>276</b>	<b>102,830</b>	<b>1,053,407</b>	<b>234,711</b>	<b>961,756</b>	<b>446,004</b>	<b>0</b>	<b>54,229</b>

See footnotes at end of table.

**Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 2022**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>299,514</b>	<b>2,969</b>	<b>-</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>252,939</b>	<b>53,222</b>	<b>19,034</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	241,607	53,222	-	0	0
Ethane .....	0	77,019	20,967	-	0	0
Propane .....	0	85,063	15,286	-	0	0
Normal Butane .....	0	35,510	5,336	-	0	0
Isobutane .....	0	13,908	4,366	-	0	0
Natural Gasoline .....	0	30,107	7,267	-	0	0
Motor Gasoline Blending Components .....	0	2,357	0	13,631	0	0
Reformulated - RBOB .....	0	0	0	0	0	0
Conventional .....	0	2,357	0	13,631	0	0
CBOB .....	0	2,357	0	13,631	0	0
GTAB .....	-	-	-	-	-	-
Other .....	0	0	0	-	0	-
Biofuels (including Fuel Ethanol) .....	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-
Biodiesel .....	--	--	--	--	--	--
Renewable Diesel Fuel .....	--	--	--	--	--	--
Other Biofuels <sup>1</sup> .....	--	--	--	--	--	--
Finished Motor Gasoline .....	0	4,430	0	1,071	0	0
Reformulated .....	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	0	4,430	0	1,071	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-
Conventional Other .....	0	4,430	0	1,071	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	228	0	622	0	0
Kerosene .....	0	0	0	-	0	-
Distillate Fuel Oil .....	0	4,317	0	3,710	0	0
15 ppm sulfur and under .....	0	4,317	0	3,710	0	0
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	-	0	-
Greater than 500 ppm sulfur .....	0	-	0	-	0	-
Residual Fuel Oil .....	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-
<b>Total</b> .....	<b>0</b>	<b>552,453</b>	<b>56,191</b>	<b>19,034</b>	<b>0</b>	<b>0</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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

**Table 38. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, 2022**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>1,882</b>	<b>1,484</b>	<b>–</b>	<b>3,658</b>	<b>662</b>	<b>–</b>
<b>Petroleum Products</b> .....	<b>480</b>	<b>31</b>	<b>0</b>	<b>15,714</b>	<b>38,075</b>	<b>0</b>
Natural Gas Liquids .....	0	0	–	10	0	–
Ethane .....	–	–	–	–	–	–
Propane .....	–	0	–	0	0	–
Normal Butane .....	0	–	–	10	–	–
Isobutane .....	–	–	–	–	–	–
Natural Gasoline .....	–	–	–	–	–	–
Unfinished Oils .....	445	0	0	0	12,721	0
Motor Gasoline Blending Components .....	0	0	0	6,872	2,557	0
Reformulated - RBOB .....	–	0	–	0	0	–
Conventional .....	0	0	0	6,872	2,557	0
CBOB .....	0	0	0	6,872	974	0
GTAB .....	–	–	–	–	–	–
Other .....	0	0	0	0	1,583	0
Biofuels (including Fuel Ethanol) .....	0	0	0	2,987	7,447	0
Fuel Ethanol .....	0	0	–	2,965	7,064	–
Biodiesel .....	0	0	–	22	383	–
Renewable Diesel Fuel .....	–	0	0	–	0	0
Other Biofuels <sup>1</sup> .....	–	–	–	–	–	–
Finished Motor Gasoline .....	0	0	–	421	1,226	–
Reformulated .....	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol .....	–	–	–	–	–	–
Reformulated Other .....	–	–	–	–	–	–
Conventional .....	0	0	–	421	1,226	–
Conventional Blended with Fuel Ethanol .....	–	–	–	–	–	–
Ed55 and Lower .....	–	–	–	–	–	–
Greater than Ed55 .....	–	–	–	–	–	–
Conventional Other .....	0	0	–	421	1,226	–
Finished Aviation Gasoline .....	0	0	–	0	52	–
Kerosene-Type Jet Fuel .....	0	0	–	121	0	–
Kerosene .....	–	–	–	–	–	–
Distillate Fuel Oil .....	35	0	0	4,691	469	0
15 ppm sulfur and under .....	35	0	0	4,691	469	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	10,464	–
Less than 0.31 percent sulfur .....	0	0	–	0	1,013	–
0.31 to 1.00 percent sulfur .....	0	0	–	–	3,829	–
Greater than 1.00 percent sulfur .....	0	0	–	0	5,622	–
Petrochemical Feedstocks .....	0	31	–	0	1,093	–
Naphtha for Petrochemical Feedstock Use .....	0	0	–	–	893	–
Other Oils for Petrochemical Feedstock Use .....	0	31	–	0	200	–
Special Naphthas .....	0	0	–	0	195	–
Lubricants .....	0	0	0	116	153	0
Waxes .....	–	–	–	–	–	–
Marketable Petroleum Coke .....	–	–	–	–	–	–
Asphalt and Road Oil .....	0	0	–	496	1,698	–
Miscellaneous Products .....	0	0	–	–	0	–
<b>Total</b> .....	<b>2,362</b>	<b>1,515</b>	<b>0</b>	<b>19,372</b>	<b>38,737</b>	<b>0</b>

See footnotes at end of table.

**Table 38. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, 2022**  
(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>22,859</b>	—	<b>22,692</b>	<b>167</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>252,475</b>	<b>640</b>	<b>6,465</b>	<b>245,370</b>	<b>17,029</b>	<b>5,568</b>	<b>0</b>	<b>0</b>	<b>212</b>
Natural Gas Liquids .....	552	—	—	552	0	—	0	0	0
Ethane .....	—	—	—	—	—	—	—	—	—
Propane .....	552	—	—	552	—	—	0	—	0
Normal Butane .....	0	—	—	—	0	—	0	0	—
Isobutane .....	—	—	—	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	394	—	323	71	4,314	276	0	0	0
Motor Gasoline Blending Components .....	140,584	302	2,323	137,959	2,128	198	0	0	0
Reformulated - RBOB .....	609	—	609	—	—	—	0	—	0
Conventional .....	139,975	302	1,714	137,959	2,128	198	0	0	0
CBOB .....	137,869	—	150	137,719	178	150	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	2,106	302	1,564	240	1,950	48	0	0	0
Biofuels (including Fuel Ethanol) .....	684	—	—	684	0	5,023	0	0	0
Fuel Ethanol .....	684	—	—	684	0	—	0	0	0
Biodiesel .....	0	—	—	—	0	—	0	0	0
Renewable Diesel Fuel .....	—	—	—	—	—	5,023	—	—	0
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	8,876	—	—	8,876	1,267	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	8,876	—	—	8,876	1,267	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	8,876	—	—	8,876	1,267	—	0	0	0
Finished Aviation Gasoline .....	884	25	172	687	314	—	0	0	0
Kerosene-Type Jet Fuel .....	42,731	128	226	42,377	1,430	—	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	49,273	185	—	49,088	2,853	71	0	0	0
15 ppm sulfur and under .....	47,823	140	—	47,683	2,376	71	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	428	—	—	0	0
Greater than 500 ppm sulfur .....	1,450	45	—	1,405	49	—	0	0	0
Residual Fuel Oil .....	265	—	80	185	36	—	0	0	0
Less than 0.31 percent sulfur .....	93	—	—	93	0	—	0	0	0
0.31 to 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur .....	172	—	80	92	36	—	0	0	0
Petrochemical Feedstocks .....	0	—	—	—	171	—	0	0	0
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	136	—	—	0	0
Other Oils for Petrochemical Feedstock Use .....	0	—	—	—	35	—	0	0	0
Special Naphthas .....	25	—	—	25	294	—	0	0	0
Lubricants .....	5,829	—	3,341	2,488	2,444	0	0	0	212
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	2,378	—	—	2,378	1,688	—	0	0	0
Miscellaneous Products .....	—	—	—	—	90	—	—	0	0
<b>Total</b> .....	<b>275,334</b>	<b>640</b>	<b>29,157</b>	<b>245,537</b>	<b>17,029</b>	<b>5,568</b>	<b>0</b>	<b>0</b>	<b>212</b>

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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



**Table 39. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, 2022**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	0	0	12,475	416	0	30,045
Propane .....	593	71	0	0	13,602	4,503	0	3,082
Propylene .....	0	0	-	-	3,692	6,055	-	-
Normal Butane .....	1,846	387	0	0	3,633	1,315	0	4,155
Isobutane .....	1,776	230	0	0	1,333	682	0	557
Fuel Ethanol .....	0	0	0	0	101,184	57,485	4,939	44,322
Biodiesel .....	63	0	0	3	2,046	3,110	290	3,767
Marketable Petroleum Coke .....	0	146	0	0	3,877	9,313	156	322
Asphalt and Road Oil .....	265	13	0	0	9,254	3,018	82	2,174

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	0	188	0	0	8,945	0
Propane .....	1,812	614	0	0	0	0	0	2,024
Propylene .....	0	0	-	-	0	0	0	-
Normal Butane .....	267	1,252	0	568	0	0	0	1,512
Isobutane .....	13	2,121	0	817	0	0	0	371
Fuel Ethanol .....	0	0	0	4,612	0	0	0	818
Biodiesel .....	12	116	0	912	0	0	0	0
Marketable Petroleum Coke .....	344	276	0	80	0	1,192	796	569
Asphalt and Road Oil .....	1,515	699	25	1,380	5	1,456	1,701	2,546

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	0	0	0	0
Propane .....	0	0	0	0
Propylene .....	0	0	0	-
Normal Butane .....	0	0	0	0
Isobutane .....	0	0	0	0
Fuel Ethanol .....	0	0	0	0
Biodiesel .....	0	0	0	28
Marketable Petroleum Coke .....	33	430	566	456
Asphalt and Road Oil .....	0	0	3	209

- = No Data Reported.

**Table 40. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, 2022**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	2,412	1,882	0	4,294
3 .....	276	1,484	0	1,760
4 .....	0	-	0	0
5 .....	-	-	0	0
<b>From 2 to</b>				
1 .....	2,055	3,658	12,475	18,188
3 .....	621,938	662	416	623,016
4 .....	74,618	-	0	74,618
5 .....	-	-	30,045	30,045
<b>From 3 to</b>				
1 .....	1,422	22,859	0	24,281
2 .....	227,415	0	0	227,415
4 .....	0	-	0	0
5 .....	-	-	188	188
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	299,514	0	0	299,514
3 .....	2,969	0	8,945	11,914
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	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 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2022**  
(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>42,469</b>	<b>6,054</b>	<b>36,415</b>	<b>531,223</b>	<b>745,867</b>	<b>-214,644</b>	<b>636,690</b>	<b>251,884</b>	<b>384,807</b>
<b>Petroleum Products</b>	<b>1,471,896</b>	<b>202,235</b>	<b>1,269,661</b>	<b>698,069</b>	<b>1,033,670</b>	<b>-335,601</b>	<b>612,021</b>	<b>1,525,660</b>	<b>-913,639</b>
Natural Gas Liquids	110,518	87,207	23,311	458,438	625,222	-166,784	462,811	151,907	310,904
Ethane	993	63,151	-62,158	155,205	230,132	-74,927	215,572	15,035	200,537
Propane	86,488	11,866	74,622	117,816	231,730	-113,914	134,059	40,887	93,172
Normal Butane	21,692	3,679	18,013	45,271	88,103	-42,833	49,675	7,304	42,371
Isobutane	1,345	5,422	-4,076	32,252	24,863	7,388	20,994	13,982	7,012
Natural Gasoline	0	3,089	-3,089	107,894	50,393	57,501	42,510	74,698	-32,188
Refinery Olefins	3,692	0	3,692	0	9,747	-9,747	6,055	0	6,055
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	3,692	0	3,692	0	9,747	-9,747	6,055	0	6,055
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	394	445	-51	4,759	12,721	-7,962	12,721	4,984	7,737
Motor Gasoline Blending Components	693,434	76,806	616,628	123,915	57,617	66,298	19,974	764,292	-744,318
Reformulated - RBOB	96,847	0	96,847	15,389	1,815	13,574	1,775	135,178	-133,403
Conventional	596,587	76,806	519,781	108,526	55,802	52,724	18,199	629,114	-610,915
CBOB	585,410	76,806	508,604	106,019	54,219	51,800	16,616	615,382	-598,766
GTAB	0	0	-	-	-	-	0	0	-
Other	11,177	0	11,177	2,507	1,583	924	1,583	13,732	-12,149
Biofuels (including Fuel Ethanol)	106,891	66	106,825	179	227,172	-226,993	67,659	11,359	56,300
Fuel Ethanol	104,833	0	104,833	0	217,960	-217,960	64,549	5,296	59,253
Biodiesel	2,058	66	1,992	179	9,213	-9,034	3,110	1,040	2,069
Renewable Diesel Fuel	0	0	-	0	0	-	0	5,023	-5,023
Other Biofuels <sup>2</sup>	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	28,746	916	27,830	18,665	10,696	7,969	1,226	33,879	-32,653
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	0	0	-	0	0	-
Conventional	28,746	916	27,830	18,665	10,696	7,969	1,226	33,879	-32,653
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	28,746	916	27,830	18,665	10,696	7,969	1,226	33,879	-32,653
Finished Aviation Gasoline	884	0	884	314	52	262	52	1,198	-1,146
Kerosene-Type Jet Fuel	173,532	4,157	169,375	19,492	10,257	9,235	293	189,777	-189,484
Kerosene	309	26	283	26	0	26	0	309	-309
Distillate Fuel Oil	329,360	32,159	297,201	63,240	37,775	25,465	11,828	350,416	-338,588
15 ppm sulfur and under	319,089	32,159	286,930	61,747	37,775	23,972	11,828	338,652	-326,824
Greater than 15 ppm to 500 ppm sulfur	73	0	73	1,444	0	1,444	0	1,517	-1,517
Greater than 500 ppm sulfur	10,198	0	10,198	49	0	49	0	10,247	-10,247
Residual Fuel Oil	265	0	265	36	10,464	-10,428	10,464	301	10,163
Petrochemical Feedstocks	0	31	-31	171	1,093	-922	1,124	171	953
Naphtha for Petrochemical Feedstock Use	0	0	-	136	893	-757	893	136	757
Other Oils for Petrochemical Feedstock Use	0	31	-31	35	200	-165	231	35	196
Special Naphthas	25	0	25	294	195	99	195	319	-124
Lubricants	5,945	0	5,945	2,444	269	2,175	365	8,273	-7,908
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	4,254	146	4,108	1,899	13,668	-11,769	10,822	700	10,121
Asphalt and Road Oil	13,647	277	13,370	4,108	16,722	-12,614	6,432	7,684	-1,252
Miscellaneous Products	0	0	-	90	0	90	0	90	-90
<b>Total</b>	<b>1,514,365</b>	<b>208,289</b>	<b>1,306,076</b>	<b>1,229,292</b>	<b>1,779,537</b>	<b>-550,244</b>	<b>1,248,711</b>	<b>1,777,543</b>	<b>-528,832</b>

See footnotes at end of table.

**Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2022**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>74,618</b>	<b>311,428</b>	<b>-236,810</b>	<b>30,232</b>	<b>0</b>	<b>30,232</b>
<b>Petroleum Products</b> .....	<b>166,278</b>	<b>338,187</b>	<b>-171,909</b>	<b>153,424</b>	<b>1,936</b>	<b>151,488</b>
Natural Gas Liquids .....	118,217	298,736	-180,519	13,088	0	13,088
Ethane .....	34,534	97,986	-63,452	0	0	-
Propane .....	43,387	102,373	-58,986	5,106	0	5,106
Normal Butane .....	18,571	42,358	-23,787	6,236	0	6,236
Isobutane .....	6,575	18,645	-12,070	1,746	0	1,746
Natural Gasoline .....	15,150	37,374	-22,224	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	-	276	0	276
Motor Gasoline Blending Components .....	22,697	15,988	6,709	54,683	0	54,683
Reformulated - RBOB .....	40	0	40	22,942	0	22,942
Conventional .....	22,657	15,988	6,669	31,741	0	31,741
CBOB .....	22,657	15,988	6,669	31,693	0	31,693
GTAB .....	-	-	-	0	0	-
Other .....	0	0	-	48	0	48
Biofuels (including Fuel Ethanol) .....	5,257	818	4,438	59,458	28	59,430
Fuel Ethanol .....	4,939	818	4,121	49,753	0	49,753
Biodiesel .....	318	0	318	4,682	28	4,654
Renewable Diesel Fuel .....	0	0	-	5,023	0	5,023
Other Biofuels <sup>2</sup> .....	0	0	-	0	0	-
Finished Motor Gasoline .....	1,284	5,501	-4,217	1,071	0	1,071
Reformulated .....	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol .....	0	0	-	0	0	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	1,284	5,501	-4,217	1,071	0	1,071
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 .....	1,284	5,501	-4,217	1,071	0	1,071
Finished Aviation Gasoline .....	0	0	-	0	0	-
Kerosene-Type Jet Fuel .....	8,448	850	7,598	3,276	0	3,276
Kerosene .....	0	0	-	0	0	-
Distillate Fuel Oil .....	9,447	8,027	1,420	14,502	0	14,502
15 ppm sulfur and under .....	9,447	8,027	1,420	14,502	0	14,502
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 .....	-	-	-	0	0	-
Special Naphthas .....	0	0	-	0	0	-
Lubricants .....	0	0	-	0	212	-212
Waxes .....	0	0	-	0	0	-
Marketable Petroleum Coke .....	613	2,557	-1,945	970	1,485	-515
Asphalt and Road Oil .....	316	5,709	-5,393	6,100	211	5,889
Miscellaneous Products .....	0	0	-	0	0	-
<b>Total</b> .....	<b>240,896</b>	<b>649,615</b>	<b>-408,719</b>	<b>183,657</b>	<b>1,936</b>	<b>181,720</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> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

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.