



# Petroleum Supply Annual, Volume 1 with data for 2023

August 2024

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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2023**  
(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>4,721,095</b>	<b>191,768</b>	--	--	<b>2,368,436</b>	<b>15,426</b>	<b>-20,957</b>	<b>5,827,889</b>	<b>1,489,794</b>	<b>0</b>	<b>781,175</b>
<b>Hydrocarbon Gas Liquids</b>	<b>2,371,996</b>	<b>-148,441</b>	<b>-8,630</b>	<b>220,363</b>	<b>61,649</b>	--	<b>12,149</b>	<b>227,190</b>	<b>978,453</b>	<b>1,279,146</b>	<b>223,299</b>
Natural Gas Liquids	2,371,996	-148,441	-8,630	129,497	55,095	--	12,653	227,190	978,453	1,181,222	221,930
Ethane	967,953	--	--	2,605	--	--	12,250	--	171,943	786,365	65,796
Propane	737,718	-294	--	101,513	39,230	--	2,998	--	590,516	284,653	79,640
Normal Butane	227,337	-5,185	0	30,882	13,055	--	-2,809	71,344	159,965	37,589	38,956
Isobutane	160,542	-2,023	0	-5,503	2,771	--	-1,488	83,409	1,252	72,614	10,705
Natural Gasoline	278,446	-140,939	-8,630	--	39	--	1,702	72,437	54,777	0	26,833
Refinery Olefins	--	--	--	90,866	6,554	--	-504	--	--	97,924	1,369
Ethylene	--	--	--	636	--	--	0	--	--	636	0
Propylene	--	--	--	91,700	5,370	--	-429	--	--	97,499	909
Normal Butylene	--	--	--	-1,587	1,184	--	-70	--	--	-333	449
Isobutylene	--	--	--	117	--	--	-5	--	--	122	11
<b>Other Liquids</b>	--	<b>-43,328</b>	<b>480,304</b>	--	<b>438,138</b>	<b>82,855</b>	<b>14,677</b>	<b>665,106</b>	<b>180,643</b>	<b>97,544</b>	<b>339,815</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	480,311	--	21,300	68,527	1,567	431,186	39,714	97,672	33,117
Hydrogen	--	--	--	--	--	80,303	--	80,303	--	0	--
Biofuels (including Fuel Ethanol)	--	--	480,311	--	21,300	-11,924	1,564	350,738	39,714	97,672	33,104
Fuel Ethanol <sup>5</sup>	--	--	370,957	--	649	-11,924	-747	326,884	33,544	0	23,498
Biofuels (excluding Fuel Ethanol)	--	--	109,354	--	20,651	--	2,310	23,854	6,169	97,672	9,606
Biodiesel	--	--	40,401	--	11,929	--	206	16,977	6,169	28,978	3,813
Renewable Diesel Fuel	--	--	61,895	--	8,622	--	2,072	4,372	NA	64,073	5,478
Other Biofuels <sup>6</sup>	--	--	7,058	--	100	--	32	2,505	NA	4,621	314
Other Hydrocarbons	--	--	--	--	0	148	3	145	--	0	13
Unfinished Oils	--	-43,328	--	--	195,833	--	-2,204	44,691	110,018	0	84,178
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	--	-8	--	220,997	14,329	15,318	189,090	30,911	0	222,490
Reformulated	--	--	-1	--	51,342	106,271	2,759	154,511	341	0	50,531
Conventional	--	--	-7	--	169,655	-91,942	12,558	34,579	30,570	0	171,959
Aviation Gasoline Blend. Comp.	--	--	--	--	8	--	-3	139	--	-128	30
<b>Finished Petroleum Products</b>	--	--	<b>2,493</b>	<b>6,872,159</b>	<b>243,793</b>	<b>-2,404</b>	<b>5,611</b>	--	<b>1,086,739</b>	<b>6,023,690</b>	<b>261,814</b>
Finished Motor Gasoline	--	--	2,426	3,520,819	43,048	-2,404	989	--	297,981	3,264,918	18,227
Reformulated	--	--	--	1,090,121	--	-88,558	2	--	--	1,001,561	22
Conventional	--	--	2,426	2,430,698	43,048	86,154	987	--	297,981	2,263,357	18,205
Finished Aviation Gasoline	--	--	--	3,869	220	--	-105	--	--	4,194	1,201
Kerosene-Type Jet Fuel	--	--	78	624,763	46,424	--	4,737	--	63,085	603,443	39,776
Kerosene	--	--	0	4,974	70	--	-243	--	1,430	3,857	1,938
Distillate Fuel Oil <sup>5</sup>	--	--	-11	1,786,552	61,797	--	11,587	--	407,365	1,429,386	130,486
15 ppm sulfur and under	--	--	-11	1,719,062	61,383	--	13,466	--	350,623	1,416,346	122,209
Greater than 15 to 500 ppm sulfur	--	--	0	40,044	144	--	-77	--	35,346	4,918	2,422
Greater than 500 ppm sulfur	--	--	0	27,446	270	--	-1,802	--	21,396	8,122	5,855
Residual Fuel Oil	--	--	--	98,927	40,184	--	-6,645	--	45,735	100,021	24,094
Less than 0.31 percent sulfur	--	--	--	13,716	3,333	--	-338	--	NA	NA	2,442
0.31 to 1.00 percent sulfur	--	--	--	31,220	9,179	--	-456	--	NA	NA	5,715
Greater than 1.00 percent sulfur	--	--	--	53,991	27,672	--	-5,851	--	NA	NA	15,937
Petrochemical Feedstocks	--	--	--	80,583	5,967	--	229	--	13,995	72,326	2,617
Naphtha for Petro. Feed. Use	--	--	--	47,781	4,079	--	60	--	--	51,800	1,843
Other Oils for Petro. Feed. Use	--	--	--	32,802	1,888	--	169	--	13,995	20,526	774
Special Naphthas	--	--	--	10,574	6,541	--	110	--	--	17,005	1,129
Lubricants	--	--	--	54,457	16,303	--	-1,284	--	41,740	30,304	12,101
Waxes	--	--	--	1,723	1,463	--	55	--	1,497	1,634	656
Petroleum Coke	--	--	--	294,940	2,776	--	-952	--	206,240	92,428	5,922
Marketable	--	--	--	224,358	2,776	--	-952	--	206,240	21,846	5,922
Catalyst	--	--	--	70,582	--	--	--	--	--	70,582	--
Asphalt and Road Oil	--	--	--	119,410	19,000	--	-2,781	--	6,809	134,382	22,751
Still Gas	--	--	--	239,386	--	--	--	--	--	239,386	--
Miscellaneous Products	--	--	--	31,182	--	--	-86	--	861	30,407	916
<b>Total</b>	<b>7,093,091</b>	<b>0</b>	<b>474,167</b>	<b>7,092,522</b>	<b>3,112,016</b>	<b>95,877</b>	<b>11,480</b>	<b>6,720,185</b>	<b>3,735,628</b>	<b>7,400,380</b>	<b>1,606,102</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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2023**  
(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>12,935</b>	<b>525</b>	--	--	<b>6,489</b>	<b>42</b>	<b>-57</b>	<b>15,967</b>	<b>4,082</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>6,499</b>	<b>-407</b>	<b>-24</b>	<b>604</b>	<b>169</b>	--	<b>33</b>	<b>622</b>	<b>2,681</b>	<b>3,505</b>
Natural Gas Liquids .....	6,499	-407	-24	355	151	--	35	622	2,681	3,236
Ethane .....	2,652	--	--	7	--	--	34	--	471	2,154
Propane .....	2,021	-1	--	278	107	--	8	--	1,618	780
Normal Butane .....	623	-14	--	85	36	--	-8	195	438	103
Isobutane .....	440	-6	--	-15	8	--	-4	229	3	199
Natural Gasoline .....	763	-386	-24	--	0	--	5	198	150	0
Refinery Olefins .....	--	--	--	249	18	--	-1	--	--	268
Ethylene .....	--	--	--	2	--	--	0	--	--	2
Propylene .....	--	--	--	251	15	--	-1	--	--	267
Normal Butylene .....	--	--	--	-4	3	--	0	--	--	-1
Isobutylene .....	--	--	--	0	--	--	0	--	--	0
<b>Other Liquids</b> .....	--	<b>-119</b>	<b>1,316</b>	--	<b>1,200</b>	<b>227</b>	<b>40</b>	<b>1,822</b>	<b>495</b>	<b>267</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	--	--	1,316	--	58	188	4	1,181	109	268
Hydrogen .....	--	--	--	--	--	220	--	220	--	0
Biofuels (including Fuel Ethanol) .....	--	--	1,316	--	58	-33	4	961	109	268
Fuel Ethanol <sup>5</sup> .....	--	--	1,016	--	2	-33	-2	896	92	0
Biofuels (excluding Fuel Ethanol) .....	--	--	300	--	57	--	6	65	17	268
Biodiesel .....	--	--	111	--	33	--	1	47	17	79
Renewable Diesel Fuel .....	--	--	170	--	24	--	6	12	NA	176
Other Biofuels <sup>6</sup> .....	--	--	19	--	0	--	0	7	NA	13
Other Hydrocarbons .....	--	--	--	--	0	0	0	0	--	0
Unfinished Oils .....	--	-119	--	--	537	--	-6	122	301	0
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	--	0	--	605	39	42	518	85	0
Reformulated .....	--	--	0	--	141	291	8	423	1	0
Conventional .....	--	--	0	--	465	-252	34	95	84	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	0	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	--	<b>7</b>	<b>18,828</b>	<b>668</b>	<b>-7</b>	<b>15</b>	--	<b>2,977</b>	<b>16,503</b>
Finished Motor Gasoline .....	--	--	7	9,646	118	-7	3	--	816	8,945
Reformulated .....	--	--	--	2,987	--	-243	0	--	--	2,744
Conventional .....	--	--	7	6,659	118	236	3	--	816	6,201
Finished Aviation Gasoline .....	--	--	--	11	1	--	0	--	--	11
Kerosene-Type Jet Fuel .....	--	--	0	1,712	127	--	13	--	173	1,653
Kerosene .....	--	--	0	14	0	--	-1	--	4	11
Distillate Fuel Oil <sup>5</sup> .....	--	--	0	4,895	169	--	32	--	1,116	3,916
15 ppm sulfur and under .....	--	--	0	4,710	168	--	37	--	961	3,880
Greater than 15 to 500 ppm sulfur .....	--	--	0	110	0	--	0	--	97	13
Greater than 500 ppm sulfur .....	--	--	0	75	1	--	-5	--	59	22
Residual Fuel Oil .....	--	--	--	271	110	--	-18	--	125	274
Less than 0.31 percent sulfur .....	--	--	--	38	9	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	--	86	25	--	-1	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	--	148	76	--	-16	--	NA	NA
Petrochemical Feedstocks .....	--	--	--	221	16	--	1	--	38	198
Naphtha for Petro. Feed. Use .....	--	--	--	131	11	--	0	--	--	142
Other Oils for Petro. Feed. Use .....	--	--	--	90	5	--	0	--	38	56
Special Naphthas .....	--	--	--	29	18	--	0	--	--	47
Lubricants .....	--	--	--	149	45	--	-4	--	114	83
Waxes .....	--	--	--	5	4	--	0	--	4	4
Petroleum Coke .....	--	--	--	808	8	--	-3	--	565	253
Marketable .....	--	--	--	615	8	--	-3	--	565	60
Catalyst .....	--	--	--	193	--	--	--	--	--	193
Asphalt and Road Oil .....	--	--	--	327	52	--	-8	--	19	368
Still Gas .....	--	--	--	656	--	--	--	--	--	656
Miscellaneous Products .....	--	--	--	85	--	--	0	--	2	83
<b>Total</b> .....	<b>19,433</b>	<b>0</b>	<b>1,299</b>	<b>19,432</b>	<b>8,526</b>	<b>263</b>	<b>31</b>	<b>18,411</b>	<b>10,235</b>	<b>20,275</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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2023**  
(Thousand Barrels)

Commodity	Supply							Disposition					Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PAD 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>24,658</b>	<b>30,830</b>	--	--	<b>215,142</b>	<b>23,867</b>	<b>-36,868</b>	<b>-411</b>	<b>258,035</b>	<b>6</b>	<b>0</b>	<b>7,201</b>	
<b>Hydrocarbon Gas Liquids</b>	<b>254,251</b>	<b>-21,364</b>	<b>-109</b>	<b>7,493</b>	<b>14,229</b>	<b>25,870</b>	--	<b>1,574</b>	<b>15,438</b>	<b>102,985</b>	<b>160,373</b>	<b>11,282</b>	
Natural Gas Liquids	254,251	-21,364	-109	4,710	10,734	23,172	--	1,580	15,438	102,985	151,390	11,135	
Ethane	105,819	--	--	--	--	--	--	366	--	25,755	13,603	1,226	
Propane	85,121	--	--	4,790	10,033	75,314	--	897	--	57,742	116,619	7,736	
Normal Butane	26,059	--	--	281	640	18,829	--	318	11,071	18,986	15,434	1,832	
Isobutane	11,346	--	--	-361	61	-4,122	--	-2	1,185	7	5,734	138	
Natural Gasoline	25,906	-21,364	-109	--	--	-754	--	1	3,182	496	0	203	
Refinery Olefins	--	--	--	2,783	3,495	2,698	--	-6	--	--	8,982	147	
Ethylene	--	--	--	102	--	--	--	--	--	--	102	--	
Propylene	--	--	--	2,615	3,495	2,698	--	1	--	--	8,807	138	
Normal Butylene	--	--	--	-47	--	--	--	0	--	--	-47	0	
Isobutylene	--	--	--	113	--	--	--	-7	--	--	120	9	
<b>Other Liquids</b>	<b>--</b>	<b>-9,466</b>	<b>6,529</b>	<b>--</b>	<b>218,287</b>	<b>757,527</b>	<b>86,063</b>	<b>4,355</b>	<b>1,047,945</b>	<b>2,629</b>	<b>4,011</b>	<b>69,456</b>	
Hydrogen/Biofuels/Other Hydrocarbons	--	--	6,529	--	6,180	112,811	5,433	14	125,335	1,594	4,011	8,154	
Hydrogen	--	--	--	--	--	--	1,001	--	--	--	0	--	
Biofuels (including Fuel Ethanol)	--	--	6,529	--	6,180	112,811	4,432	14	124,334	1,594	4,011	8,154	
Fuel Ethanol <sup>6</sup>	--	--	4,238	--	249	111,401	4,432	-170	118,935	1,555	0	6,864	
Biofuels (excluding Fuel Ethanol)	--	--	2,291	--	5,931	1,411	--	184	5,399	38	4,011	1,290	
Biodiesel	--	--	2,259	--	5,758	1,377	--	164	5,342	38	3,850	1,270	
Renewable Diesel Fuel	--	--	32	--	173	33	--	20	57	NA	161	20	
Other Biofuels <sup>7</sup>	--	--	--	--	--	0	--	--	--	NA	0	--	
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--	
Unfinished Oils	--	-9,466	--	--	25,580	321	--	145	15,718	572	0	3,602	
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>	--	--	--	--	186,527	644,395	80,630	4,196	906,892	464	0	57,700	
Reformulated	--	--	--	--	50,091	98,460	40,733	2,017	187,262	5	0	21,114	
Conventional	--	--	--	--	136,436	545,935	39,897	2,179	719,630	459	0	36,586	
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>7</b>	<b>1,324,548</b>	<b>129,979</b>	<b>518,308</b>	<b>-85,062</b>	<b>-2,394</b>	<b>--</b>	<b>20,997</b>	<b>1,869,176</b>	<b>58,011</b>	
Finished Motor Gasoline	--	--	--	1,165,727	34,354	26,017	-85,062	-509	--	770	1,140,775	2,385	
Reformulated	--	--	--	426,214	--	--	-37,888	0	--	--	388,326	5	
Conventional	--	--	--	739,513	34,354	26,017	-47,173	-509	--	770	752,450	2,380	
Finished Aviation Gasoline	--	--	--	--	153	1,180	--	-57	--	--	1,390	149	
Kerosene-Type Jet Fuel	--	--	--	30,938	15,577	181,602	--	-367	--	1,504	226,980	8,590	
Kerosene	--	--	0	1,207	50	987	--	-642	--	52	2,834	1,017	
Distillate Fuel Oil <sup>6</sup>	--	--	7	81,549	51,274	284,419	--	767	--	5,779	410,702	35,169	
15 ppm sulfur and under	--	--	7	82,019	51,040	281,346	--	1,979	--	4,851	407,582	33,994	
Greater than 15 to 500 ppm sulfur	--	--	0	519	103	99	--	-39	--	519	721	39	
Greater than 500 ppm sulfur	--	--	0	-989	131	2,974	--	-1,173	--	207	3,082	623	
Residual Fuel Oil	--	--	--	9,691	15,998	57	--	-752	--	2,036	24,462	4,859	
Less than 0.31 percent sulfur	--	--	--	477	1,169	57	--	141	--	NA	NA	434	
0.31 to 1.00 percent sulfur	--	--	--	6,829	3,174	--	--	314	--	NA	NA	1,156	
Greater than 1.00 percent sulfur	--	--	--	2,385	11,655	--	--	-1,207	--	NA	NA	3,269	
Petrochemical Feedstocks	--	--	--	164	509	300	--	7	--	573	393	7	
Naphtha for Petro. Feed. Use	--	--	--	--	473	300	--	--	--	--	773	--	
Other Oils for Petro. Feed. Use	--	--	--	164	36	--	--	--	--	573	-380	7	
Special Naphthas	--	--	--	84	82	148	--	-8	--	--	322	53	
Lubricants	--	--	--	4,273	1,474	4,894	--	-160	--	2,690	8,111	1,380	
Waxes	--	--	--	-72	1,016	--	--	86	--	864	-6	307	
Petroleum Coke	--	--	--	6,762	4	4,551	--	--	--	5,525	5,793	--	
Marketable	--	--	--	2,403	4	4,551	--	--	--	5,525	1,434	--	
Catalyst	--	--	--	4,359	--	--	--	--	--	--	4,359	--	
Asphalt and Road Oil	--	--	--	13,640	9,488	14,152	--	-753	--	1,027	37,007	4,035	
Still Gas	--	--	--	9,857	--	--	--	--	--	--	9,857	--	
Miscellaneous Products	--	--	--	728	--	--	--	-6	--	178	556	60	
<b>Total</b>	<b>278,909</b>	<b>0</b>	<b>6,427</b>	<b>1,332,041</b>	<b>577,637</b>	<b>1,325,573</b>	<b>-35,867</b>	<b>3,125</b>	<b>1,321,418</b>	<b>126,617</b>	<b>2,033,560</b>	<b>145,950</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 4. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2023**  
(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>68</b>	<b>84</b>	--	--	<b>589</b>	<b>65</b>	<b>-101</b>	<b>-1</b>	<b>707</b>	<b>0</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>697</b>	<b>-59</b>	<b>0</b>	<b>21</b>	<b>39</b>	<b>71</b>	--	<b>4</b>	<b>42</b>	<b>282</b>	<b>439</b>
Natural Gas Liquids	697	-59	0	13	29	63	--	4	42	282	415
Ethane	290	--	--	--	--	-181	--	1	--	71	37
Propane	233	--	--	13	27	206	--	2	--	--	320
Normal Butane	71	--	--	1	2	52	--	1	30	--	42
Isobutane	31	--	--	-1	0	-11	--	0	3	0	16
Natural Gasoline	71	-59	0	--	--	-2	--	0	9	1	0
Refinery Olefins	--	--	--	8	10	7	--	0	--	--	25
Ethylene	--	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	--	7	10	7	--	0	--	--	24
Normal Butylene	--	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	0	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>-26</b>	<b>18</b>	--	<b>598</b>	<b>2,075</b>	<b>236</b>	<b>12</b>	<b>2,871</b>	<b>7</b>	<b>11</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	18	--	17	309	15	0	343	4	11
Hydrogen	--	--	--	--	--	--	3	--	3	--	0
Biofuels (including Fuel Ethanol)	--	--	18	--	17	309	12	0	341	4	11
Fuel Ethanol <sup>6</sup>	--	--	12	--	1	305	12	0	326	4	0
Biofuels (excluding Fuel Ethanol)	--	--	6	--	16	4	--	1	15	0	11
Biodiesel	--	--	6	--	16	4	--	0	15	0	11
Renewable Diesel Fuel	--	--	0	--	0	0	--	0	0	NA	0
Other Biofuels <sup>7</sup>	--	--	--	--	--	0	--	--	--	NA	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-26	--	--	70	1	--	0	43	2	0
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>	--	--	--	--	511	1,765	221	11	2,485	1	0
Reformulated	--	--	--	--	137	270	112	6	513	0	0
Conventional	--	--	--	--	374	1,496	109	6	1,972	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>0</b>	<b>3,629</b>	<b>356</b>	<b>1,420</b>	<b>-233</b>	<b>-7</b>	--	<b>58</b>	<b>5,121</b>
Finished Motor Gasoline	--	--	--	3,194	94	71	-233	-1	--	2	3,125
Reformulated	--	--	--	1,168	--	--	-104	0	--	--	1,064
Conventional	--	--	--	2,026	94	71	-129	-1	--	2	2,062
Finished Aviation Gasoline	--	--	--	--	0	3	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	--	85	43	498	--	-1	--	4	622
Kerosene	--	--	0	3	0	3	--	-2	--	0	8
Distillate Fuel Oil <sup>6</sup>	--	--	0	223	140	779	--	2	--	16	1,125
15 ppm sulfur and under	--	--	0	225	140	771	--	5	--	13	1,117
Greater than 15 to 500 ppm sulfur	--	--	0	1	0	0	--	0	--	2	0
Greater than 500 ppm sulfur	--	--	0	-3	0	8	--	-3	--	1	8
Residual Fuel Oil	--	--	--	27	44	0	--	-2	--	6	67
Less than 0.31 percent sulfur	--	--	--	1	3	0	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	19	9	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	7	32	--	--	-3	--	NA	NA
Petrochemical Feedstocks	--	--	--	0	1	1	--	0	--	2	1
Naphtha for Petro. Feed. Use	--	--	--	--	1	1	--	--	--	--	2
Other Oils for Petro. Feed. Use	--	--	--	0	0	--	--	--	--	2	-1
Special Naphthas	--	--	--	0	0	0	--	0	--	--	1
Lubricants	--	--	--	12	4	13	--	0	--	7	22
Waxes	--	--	--	0	3	--	--	0	--	2	0
Petroleum Coke	--	--	--	19	0	12	--	--	--	15	16
Marketable	--	--	--	7	0	12	--	--	--	15	4
Catalyst	--	--	--	12	--	--	--	--	--	--	12
Asphalt and Road Oil	--	--	--	37	26	39	--	-2	--	3	101
Still Gas	--	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	--	2	--	--	--	0	--	0	2
<b>Total</b>	<b>764</b>	<b>0</b>	<b>18</b>	<b>3,649</b>	<b>1,583</b>	<b>3,632</b>	<b>-98</b>	<b>9</b>	<b>3,620</b>	<b>347</b>	<b>5,571</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene 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 5. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2023**  
(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>663,982</b>	<b>18,628</b>	--	--	<b>1,064,338</b>	<b>-283,692</b>	<b>-10,523</b>	<b>9,551</b>	<b>1,405,992</b>	<b>37,190</b>	<b>0</b>	<b>116,557</b>
<b>Hydrocarbon Gas Liquids</b>	<b>429,434</b>	<b>-42,513</b>	<b>-8,164</b>	<b>39,400</b>	<b>22,506</b>	<b>-208,956</b>	--	<b>-2,455</b>	<b>41,452</b>	<b>79,044</b>	<b>113,664</b>	<b>49,989</b>
Natural Gas Liquids	429,434	-42,513	-8,164	24,768	19,448	-200,259	--	-2,481	41,452	79,044	104,697	49,580
Ethane	152,528	--	--	--	--	-81,057	--	-193	--	23,810	47,854	6,002
Propane	148,972	--	--	27,227	12,254	-136,334	--	-1,203	--	1,432	51,890	21,912
Normal Butane	53,115	--	--	599	4,780	-49,575	--	-2,159	8,030	1,598	1,449	7,942
Isobutane	22,797	--	--	-3,058	2,397	3,326	--	83	21,852	23	3,504	2,104
Natural Gasoline	52,022	-42,513	-8,164	--	17	63,381	--	991	11,570	52,181	0	11,620
Refinery Olefins	--	--	--	14,632	3,058	-8,697	--	26	--	--	8,967	409
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	13,294	1,874	-8,697	--	-2	--	--	6,473	370
Normal Butylene	--	--	--	1,338	1,184	--	--	28	--	--	2,494	39
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>23,886</b>	<b>387,706</b>	--	<b>7,325</b>	<b>-181,192</b>	<b>-30,408</b>	<b>6,410</b>	<b>138,868</b>	<b>45,981</b>	<b>16,057</b>	<b>74,423</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	387,712	--	1,102	-246,668	-4,473	-21	107,986	13,650	16,057	11,044
Hydrogen	--	--	--	--	--	--	14,107	--	14,107	--	0	--
Biofuels (including Fuel Ethanol)	--	--	387,712	--	1,102	-246,668	-18,728	-24	93,734	13,650	16,057	11,031
Fuel Ethanol	--	--	351,651	--	--	-233,400	-18,728	68	88,509	10,946	0	9,894
Biofuels (excluding Fuel Ethanol)	--	--	36,060	--	1,102	-13,268	--	-92	5,225	2,704	16,057	1,137
Biodiesel	--	--	29,006	--	1,102	-8,209	--	-114	4,443	2,704	14,867	992
Renewable Diesel Fuel	--	--	6,139	--	--	-5,059	--	27	--	NA	1,053	107
Other Biofuels <sup>6</sup>	--	--	915	--	--	--	--	-5	782	NA	138	39
Other Hydrocarbons	--	--	--	--	--	--	148	3	145	--	0	13
Unfinished Oils	--	23,886	--	--	116	-8,728	--	-1,169	-14,187	30,630	0	12,404
Motor Gasoline Blend.Comp. (MGBC)	--	--	-6	--	6,107	74,204	-25,935	7,600	45,069	1,702	0	50,974
Reformulated	--	--	-1	--	--	20,719	613	788	20,543	--	0	5,123
Conventional	--	--	-5	--	6,107	53,485	-26,547	6,812	24,526	1,702	0	45,851
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>1,843</b>	<b>1,629,111</b>	<b>16,903</b>	<b>4,730</b>	<b>44,663</b>	<b>4,094</b>	--	<b>9,503</b>	<b>1,683,653</b>	<b>59,462</b>
Finished Motor Gasoline	--	--	1,882	894,562	1	2,267	44,663	641	--	2,362	940,371	3,878
Reformulated	--	--	--	122,344	--	--	1,617	--	--	--	123,961	--
Conventional	--	--	1,882	772,218	1	2,267	43,046	641	--	2,362	816,410	3,878
Finished Aviation Gasoline	--	--	--	157	45	309	--	-20	--	--	531	183
Kerosene-Type Jet Fuel	--	--	--	101,338	--	5,792	--	642	--	716	105,772	7,444
Kerosene	--	--	--	977	20	--	--	102	--	6	889	200
Distillate Fuel Oil	--	--	-39	421,899	3,176	29,778	--	4,037	--	732	450,046	32,976
15 ppm sulfur and under	--	--	-39	421,739	3,025	28,497	--	4,184	--	87	448,951	32,321
Greater than 15 to 500 ppm sulfur	--	--	0	1,253	41	1,210	--	-79	--	57	2,526	318
Greater than 500 ppm sulfur	--	--	0	-1,093	110	71	--	-68	--	588	-1,432	337
Residual Fuel Oil	--	--	--	11,902	1,175	-7,893	--	-9	--	52	5,141	1,179
Less than 0.31 percent sulfur	--	--	--	707	--	-818	--	-105	--	NA	NA	114
0.31 to 1.00 percent sulfur	--	--	--	4,290	96	-2,713	--	141	--	NA	NA	385
Greater than 1.00 percent sulfur	--	--	--	6,905	1,079	-4,362	--	-45	--	NA	NA	680
Petrochemical Feedstocks	--	--	--	10,188	1,909	-797	--	49	--	--	11,251	577
Naphtha for Petro. Feed. Use	--	--	--	5,902	1,071	-575	--	59	--	--	6,339	452
Other Oils for Petro. Feed. Use	--	--	--	4,286	838	-222	--	-10	--	--	4,912	125
Special Naphthas	--	--	--	-264	146	251	--	9	--	--	124	169
Lubricants	--	--	--	2,151	2,693	1,830	--	-63	--	2,231	4,506	697
Waxes	--	--	--	395	202	--	--	18	--	325	254	65
Petroleum Coke	--	--	--	67,383	138	-11,868	--	-641	--	2,327	53,966	1,978
Marketable	--	--	--	50,571	138	-11,868	--	-641	--	2,327	37,154	1,978
Catalyst	--	--	--	16,812	--	--	--	--	--	--	16,812	--
Asphalt and Road Oil	--	--	--	59,839	7,398	-15,052	--	-677	--	741	52,121	9,871
Still Gas	--	--	--	52,792	--	--	--	--	--	--	52,792	--
Miscellaneous Products	--	--	--	5,792	--	113	--	6	--	11	5,888	245
<b>Total</b>	<b>1,093,416</b>	<b>0</b>	<b>381,384</b>	<b>1,668,511</b>	<b>1,111,072</b>	<b>-669,110</b>	<b>3,732</b>	<b>17,600</b>	<b>1,586,312</b>	<b>171,718</b>	<b>1,813,375</b>	<b>300,431</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 6. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2023**  
(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>	1,819	51	--	--	2,916	-777	-29	26	3,852	102	0
<b>Hydrocarbon Gas Liquids</b>	1,177	-116	-22	108	62	-572	--	-7	114	217	311
Natural Gas Liquids	1,177	-116	-22	68	53	-549	--	-7	114	217	287
Ethane	418	--	--	--	--	-222	--	-1	--	65	131
Propane	408	--	--	75	34	-374	--	-3	--	4	142
Normal Butane	146	--	--	2	13	-136	--	-6	22	4	4
Isobutane	62	--	--	-8	7	9	--	0	60	0	10
Natural Gasoline	143	-116	-22	--	0	174	--	3	32	143	0
Refinery Olefins	--	--	--	40	8	-24	--	0	--	--	25
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	36	5	-24	--	0	--	--	18
Normal Butylene	--	--	--	4	3	--	--	0	--	--	7
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	65	1,062	--	20	-496	-83	18	380	126	44
Hydrogen/Biofuels/Other Hydrocarbons	--	--	1,062	--	3	-676	-12	0	296	37	44
Hydrogen	--	--	--	--	--	--	39	--	39	--	0
Biofuels (including Fuel Ethanol)	--	--	1,062	--	3	-676	-51	0	257	37	44
Fuel Ethanol	--	--	963	--	--	-639	-51	0	242	30	0
Biofuels (excluding Fuel Ethanol)	--	--	99	--	3	-36	--	0	14	7	44
Biodiesel	--	--	79	--	3	-22	--	0	12	7	41
Renewable Diesel Fuel	--	--	17	--	--	-14	--	0	--	NA	3
Other Biofuels <sup>6</sup>	--	--	3	--	--	--	--	0	2	NA	0
Other Hydrocarbons	--	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	65	--	--	0	-24	--	-3	-39	84	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	17	203	-71	21	123	5	0
Reformulated	--	--	0	--	--	57	2	2	56	--	0
Conventional	--	--	0	--	17	147	-73	19	67	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	5	4,463	46	13	122	11	--	26	4,613
Finished Motor Gasoline	--	--	5	2,451	0	6	122	2	--	6	2,576
Reformulated	--	--	--	335	--	--	4	--	--	--	340
Conventional	--	--	5	2,116	0	6	118	2	--	6	2,237
Finished Aviation Gasoline	--	--	--	0	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	--	278	0	16	--	2	--	2	290
Kerosene	--	--	--	3	0	--	--	0	--	0	2
Distillate Fuel Oil	--	--	0	1,156	9	82	--	11	--	2	1,233
15 ppm sulfur and under	--	--	0	1,155	8	78	--	11	--	0	1,230
Greater than 15 to 500 ppm sulfur	--	--	0	3	0	3	--	0	--	0	7
Greater than 500 ppm sulfur	--	--	0	-3	0	0	--	0	--	2	-4
Residual Fuel Oil	--	--	--	33	3	-22	--	0	--	0	14
Less than 0.31 percent sulfur	--	--	--	2	--	-2	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	12	0	-7	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	19	3	-12	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	28	5	-2	--	0	--	--	31
Naphtha for Petro. Feed. Use	--	--	--	16	3	-2	--	0	--	--	17
Other Oils for Petro. Feed. Use	--	--	--	12	2	-1	--	0	--	--	13
Special Naphthas	--	--	--	-1	0	1	--	0	--	--	0
Lubricants	--	--	--	6	7	5	--	0	--	6	12
Waxes	--	--	--	1	1	--	--	0	--	1	1
Petroleum Coke	--	--	--	185	0	-33	--	-2	--	6	148
Marketable	--	--	--	139	0	-33	--	-2	--	6	102
Catalyst	--	--	--	46	--	--	--	--	--	--	46
Asphalt and Road Oil	--	--	--	164	20	-41	--	-2	--	2	143
Still Gas	--	--	--	145	--	--	--	--	--	--	145
Miscellaneous Products	--	--	--	16	--	0	--	0	--	0	16
<b>Total</b>	<b>2,996</b>	<b>0</b>	<b>1,045</b>	<b>4,571</b>	<b>3,044</b>	<b>-1,833</b>	<b>10</b>	<b>48</b>	<b>4,346</b>	<b>470</b>	<b>4,968</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 7. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2023**  
(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>3,412,664</b>	<b>111,841</b>	--	--	<b>491,308</b>	<b>476,961</b>	<b>84,692</b>	<b>-32,924</b>	<b>3,160,908</b>	<b>1,449,481</b>	<b>0</b>	<b>582,167</b>	
<b>Hydrocarbon Gas Liquids</b>	<b>1,464,892</b>	<b>-59,465</b>	<b>-189</b>	<b>155,470</b>	<b>9</b>	<b>351,044</b>	--	<b>11,314</b>	<b>153,673</b>	<b>775,790</b>	<b>970,984</b>	<b>150,347</b>	
Natural Gas Liquids	1,464,892	-59,465	-189	85,056	9	345,045	--	11,867	153,673	775,790	894,019	149,658	
Ethane	649,348	--	--	2,605	--	208,508	--	12,033	--	122,374	726,054	57,488	
Propane	431,804	--	--	56,279	--	116,062	--	1,925	--	519,480	82,740	44,738	
Normal Butane	114,387	--	--	29,020	9	49,253	--	-1,041	46,174	130,766	16,770	25,665	
Isobutane	111,798	--	--	-2,848	--	11,013	--	-1,749	52,065	1,193	68,455	7,562	
Natural Gasoline	157,555	-59,465	-189	--	--	-39,791	--	699	55,434	1,977	0	14,205	
Refinery Olefins	--	--	--	70,414	--	5,998	--	-553	--	--	76,965	689	
Ethylene	--	--	--	534	--	--	--	0	--	--	534	0	
Propylene	--	--	--	73,323	--	5,998	--	-423	--	--	79,744	382	
Normal Butylene	--	--	--	-3,447	--	--	--	-132	--	--	-3,315	305	
Isobutylene	--	--	--	4	--	--	--	2	--	--	2	2	
<b>Other Liquids</b>	--	<b>-52,376</b>	<b>56,687</b>	--	<b>168,208</b>	<b>-717,632</b>	<b>20,392</b>	<b>4,758</b>	<b>-683,424</b>	<b>124,390</b>	<b>29,555</b>	<b>132,122</b>	
Hydrogen/Biofuels/Other Hydrocarbons	--	--	56,687	--	3,342	50,423	45,858	429	105,476	20,713	29,691	6,474	
Hydrogen	--	--	--	--	--	--	47,054	--	47,054	--	0	--	
Biofuels (including Fuel Ethanol)	--	--	56,687	--	3,342	50,423	-1,196	429	58,422	20,713	29,691	6,474	
Fuel Ethanol	--	--	8,409	--	--	65,274	-1,196	-627	54,763	18,350	0	3,843	
Biofuels (excluding Fuel Ethanol)	--	--	48,278	--	3,342	-14,851	--	1,056	3,659	2,363	29,691	2,631	
Biodiesel	--	--	5,817	--	3,189	2,667	--	113	2,541	2,363	6,657	808	
Renewable Diesel Fuel	--	--	37,696	--	53	-17,518	--	950	19	NA	19,262	1,665	
Other Biofuels <sup>7</sup>	--	--	4,764	--	100	0	--	-8	1,099	NA	3,773	158	
Other Hydrocarbons	--	--	--	--	0	--	--	--	--	--	0	--	
Unfinished Oils	--	-52,376	--	--	149,686	8,867	--	-2,447	31,558	77,066	0	45,197	
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	15,180	-776,922	-25,466	6,779	-820,597	26,610	0	80,421	
Reformulated	--	--	--	--	474	-140,388	59,166	1,615	-82,688	325	0	10,601	
Conventional	--	--	--	--	14,706	-636,534	-84,632	5,164	-737,909	26,285	0	69,820	
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	-3	139	--	-136	30	
<b>Finished Petroleum Products</b>	--	--	<b>52</b>	<b>2,688,881</b>	<b>44,408</b>	<b>-545,403</b>	<b>26,662</b>	<b>4,731</b>	--	<b>945,019</b>	<b>1,264,850</b>	<b>102,692</b>	
Finished Motor Gasoline	--	--	0	806,344	1,094	-25,585	26,662	1,053	--	283,362	524,100	8,821	
Reformulated	--	--	--	171,438	--	--	-47,448	--	--	--	123,990	--	
Conventional	--	--	0	634,906	1,094	-25,585	74,110	1,053	--	283,362	400,110	8,821	
Finished Aviation Gasoline	--	--	--	3,326	--	-1,489	--	-15	--	--	1,852	536	
Kerosene-Type Jet Fuel	--	--	--	321,941	25	-199,747	--	3,787	--	52,334	66,098	13,382	
Kerosene	--	--	--	2,779	--	-987	--	301	--	1,243	248	710	
Distillate Fuel Oil	--	--	52	1,045,275	958	-328,981	--	6,415	--	360,741	350,148	44,969	
15 ppm sulfur and under	--	--	52	986,438	941	-324,627	--	6,916	--	311,609	344,279	39,623	
Greater than 15 to 500 ppm sulfur	--	--	0	34,411	--	-1,309	--	9	--	33,312	-219	1,140	
Greater than 500 ppm sulfur	--	--	--	24,426	17	-3,045	--	-510	--	15,820	6,088	4,206	
Residual Fuel Oil	--	--	--	45,418	18,630	7,836	--	-4,865	--	37,592	39,157	13,775	
Less than 0.31 percent sulfur	--	--	--	9,729	445	761	--	-732	--	NA	NA	809	
0.31 to 1.00 percent sulfur	--	--	--	11,897	3,333	2,713	--	-675	--	NA	NA	3,552	
Greater than 1.00 percent sulfur	--	--	--	23,792	14,852	4,362	--	-3,458	--	NA	NA	9,414	
Petrochemical Feedstocks	--	--	--	68,709	3,276	497	--	173	--	11,674	60,635	2,033	
Naphtha for Petro. Feed. Use	--	--	--	41,879	2,262	275	--	1	--	--	44,415	1,391	
Other Oils for Petro. Feed. Use	--	--	--	26,830	1,014	222	--	172	--	11,674	16,220	642	
Special Naphthas	--	--	--	10,474	6,096	-399	--	126	--	--	16,045	892	
Lubricants	--	--	--	44,120	11,597	-6,736	--	-899	--	33,725	16,155	9,159	
Waxes	--	--	--	1,400	98	--	--	-49	--	257	1,290	284	
Petroleum Coke	--	--	--	167,750	2,634	10,422	--	-169	--	158,761	22,214	2,725	
Marketable	--	--	--	131,365	2,634	10,422	--	-169	--	158,761	-14,171	2,725	
Catalyst	--	--	--	36,385	--	--	--	--	--	--	36,385	--	
Asphalt and Road Oil	--	--	--	25,089	--	-121	--	-1,050	--	4,661	21,356	4,880	
Still Gas	--	--	--	126,835	--	--	--	--	--	--	126,835	--	
Miscellaneous Products	--	--	--	19,421	--	-113	--	-77	--	669	18,716	526	
<b>Total</b>	<b>4,877,556</b>	<b>0</b>	<b>56,549</b>	<b>2,844,351</b>	<b>703,933</b>	<b>-435,030</b>	<b>131,746</b>	<b>-12,122</b>	<b>2,631,157</b>	<b>3,294,679</b>	<b>2,265,389</b>	<b>967,327</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 8. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2023**  
(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>9,350</b>	<b>306</b>	--	--	<b>1,346</b>	<b>1,307</b>	<b>232</b>	<b>-90</b>	<b>8,660</b>	<b>3,971</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>4,013</b>	<b>-163</b>	<b>-1</b>	<b>426</b>	<b>0</b>	<b>962</b>	--	<b>31</b>	<b>421</b>	<b>2,125</b>	<b>2,660</b>
Natural Gas Liquids	4,013	-163	-1	233	0	945	--	33	421	2,125	2,449
Ethane	1,779	--	--	7	--	571	--	33	--	335	1,989
Propane	1,183	--	--	154	--	318	--	5	--	1,423	227
Normal Butane	313	--	--	80	0	135	--	-3	127	358	46
Isobutane	306	--	--	-8	--	30	--	-5	143	3	188
Natural Gasoline	432	-163	-1	--	--	-109	--	2	152	5	0
Refinery Olefins	--	--	--	193	--	16	--	-2	--	--	211
Ethylene	--	--	--	1	--	--	--	0	--	--	1
Propylene	--	--	--	201	--	16	--	-1	--	--	218
Normal Butylene	--	--	--	-9	--	--	--	0	--	--	-9
Isobutylene	--	--	--	0	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>-143</b>	<b>155</b>	--	<b>461</b>	<b>-1,966</b>	<b>56</b>	<b>13</b>	<b>-1,872</b>	<b>341</b>	<b>81</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	155	--	9	138	126	1	289	57	81
Hydrogen	--	--	--	--	--	--	129	--	129	--	0
Biofuels (including Fuel Ethanol)	--	--	155	--	9	138	-3	1	160	57	81
Fuel Ethanol	--	--	23	--	--	179	-3	-2	150	50	0
Biofuels (excluding Fuel Ethanol)	--	--	132	--	9	-41	--	3	10	6	81
Biodiesel	--	--	16	--	9	7	--	0	7	6	18
Renewable Diesel Fuel	--	--	103	--	0	-48	--	3	0	NA	53
Other Biofuels <sup>7</sup>	--	--	13	--	0	0	--	0	3	NA	10
Other Hydrocarbons	--	--	--	--	0	--	--	--	--	--	0
Unfinished Oils	--	-143	--	--	410	24	--	-7	86	211	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	42	-2,129	-70	19	-2,248	73	0
Reformulated	--	--	--	--	1	-385	162	4	-227	1	0
Conventional	--	--	--	--	40	-1,744	-232	14	-2,022	72	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>0</b>	<b>7,367</b>	<b>122</b>	<b>-1,494</b>	<b>73</b>	<b>13</b>	--	<b>2,589</b>	<b>3,465</b>
Finished Motor Gasoline	--	--	0	2,209	3	-70	73	3	--	776	1,436
Reformulated	--	--	--	470	--	--	-130	--	--	--	340
Conventional	--	--	0	1,739	3	-70	203	3	--	776	1,096
Finished Aviation Gasoline	--	--	--	9	--	-4	--	0	--	--	5
Kerosene-Type Jet Fuel	--	--	--	882	0	-547	--	10	--	143	181
Kerosene	--	--	--	8	--	-3	--	1	--	3	1
Distillate Fuel Oil	--	--	0	2,864	3	-901	--	18	--	988	959
15 ppm sulfur and under	--	--	0	2,703	3	-889	--	19	--	854	943
Greater than 15 to 500 ppm sulfur	--	--	0	94	--	-4	--	0	--	91	-1
Greater than 500 ppm sulfur	--	--	--	67	0	-8	--	-1	--	43	17
Residual Fuel Oil	--	--	--	124	51	21	--	-13	--	103	107
Less than 0.31 percent sulfur	--	--	--	27	1	2	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	33	9	7	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	65	41	12	--	-9	--	NA	NA
Petrochemical Feedstocks	--	--	--	188	9	1	--	0	--	32	166
Naphtha for Petro. Feed. Use	--	--	--	115	6	1	--	0	--	--	122
Other Oils for Petro. Feed. Use	--	--	--	74	3	1	--	0	--	32	44
Special Naphthas	--	--	--	29	17	-1	--	0	--	--	44
Lubricants	--	--	--	121	32	-18	--	-2	--	92	44
Waxes	--	--	--	4	0	--	--	0	--	1	4
Petroleum Coke	--	--	--	460	7	29	--	0	--	435	61
Marketable	--	--	--	360	7	29	--	0	--	435	-39
Catalyst	--	--	--	100	--	--	--	--	--	--	100
Asphalt and Road Oil	--	--	--	69	--	0	--	-3	--	13	59
Still Gas	--	--	--	347	--	--	--	--	--	--	347
Miscellaneous Products	--	--	--	53	--	0	--	0	--	2	51
<b>Total</b>	<b>13,363</b>	<b>0</b>	<b>155</b>	<b>7,793</b>	<b>1,929</b>	<b>-1,192</b>	<b>361</b>	<b>-33</b>	<b>7,209</b>	<b>9,027</b>	<b>6,207</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 value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 9. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2023**  
(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>342,769</b>	<b>7,289</b>	--	--	<b>143,819</b>	<b>-258,820</b>	<b>-24,554</b>	<b>1,406</b>	<b>209,095</b>	<b>1</b>	<b>0</b>	<b>25,827</b>
<b>Hydrocarbon Gas Liquids</b>	<b>200,250</b>	<b>-6,287</b>	<b>-109</b>	<b>3,567</b>	<b>5,930</b>	<b>-183,080</b>	--	<b>1,060</b>	<b>6,414</b>	<b>71</b>	<b>12,726</b>	<b>7,177</b>
Natural Gas Liquids	200,250	-6,287	-109	2,467	5,929	-183,080	--	1,036	6,414	71	11,649	7,075
Ethane	60,251	--	--	--	--	-61,356	--	44	--	1	-1,150	1,080
Propane	69,107	--	--	2,575	5,798	-61,228	--	687	--	18	15,547	3,082
Normal Butane	27,220	--	--	88	108	-25,521	--	274	2,312	5	-696	1,685
Isobutane	12,377	--	--	-196	1	-12,139	--	29	2,066	--	-2,052	454
Natural Gasoline	31,295	-6,287	-109	--	22	-22,836	--	2	2,036	47	0	774
Refinery Olefins	--	--	--	1,100	1	--	--	24	--	--	1,077	102
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	254	1	--	--	-9	--	--	264	1
Normal Butylene	--	--	--	846	--	--	--	33	--	--	813	101
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>-1,002</b>	<b>11,092</b>	--	<b>684</b>	<b>6,941</b>	<b>8,024</b>	<b>519</b>	<b>22,114</b>	<b>981</b>	<b>2,126</b>	<b>10,417</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	11,092	--	129	1,283	4,493	116	14,086	669	2,126	739
Hydrogen	--	--	--	--	--	--	2,478	--	2,478	--	0	--
Biofuels (including Fuel Ethanol)	--	--	11,092	--	129	1,283	2,015	116	11,608	669	2,126	739
Fuel Ethanol	--	--	4,544	--	--	4,814	2,015	-25	10,851	548	0	359
Biofuels (excluding Fuel Ethanol)	--	--	6,548	--	129	-3,531	--	142	757	122	2,126	380
Biodiesel	--	--	--	--	129	347	--	-3	406	122	-48	11
Renewable Diesel Fuel	--	--	5,516	--	--	-3,878	--	117	--	NA	1,521	323
Other Biofuels <sup>6</sup>	--	--	1,032	--	--	--	--	28	351	NA	653	46
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-1,002	--	--	--	--	--	47	-1,320	271	0	3,042
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	555	5,658	3,531	356	9,348	40	0	6,636
Reformulated	--	--	--	--	--	1,508	3,072	568	4,012	--	--	568
Conventional	--	--	--	--	555	4,150	459	-212	5,336	40	0	6,068
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>-9</b>	<b>243,223</b>	<b>2,163</b>	<b>-1,918</b>	<b>-5,546</b>	<b>1,061</b>	--	<b>199</b>	<b>236,653</b>	<b>8,864</b>
Finished Motor Gasoline	--	--	0	126,889	--	-3,773	-5,546	129	--	9	117,432	1,266
Reformulated	--	--	--	4,655	--	--	-3,090	--	--	--	1,565	--
Conventional	--	--	0	122,234	--	-3,773	-2,456	129	--	9	115,867	1,266
Finished Aviation Gasoline	--	--	--	64	1	--	--	-2	--	--	67	7
Kerosene-Type Jet Fuel	--	--	0	12,263	337	9,603	--	101	--	0	22,102	856
Kerosene	--	--	--	2	--	--	--	0	--	--	2	2
Distillate Fuel Oil	--	--	-9	71,289	723	1,151	--	854	--	0	72,300	4,560
15 ppm sulfur and under	--	--	-9	71,229	723	1,151	--	799	--	0	72,295	4,309
Greater than 15 to 500 ppm sulfur	--	--	--	38	--	--	--	-1	--	--	39	147
Greater than 500 ppm sulfur	--	--	--	22	--	--	--	56	--	--	-34	104
Residual Fuel Oil	--	--	--	4,102	22	--	--	-7	--	--	4,131	203
Less than 0.31 percent sulfur	--	--	--	2,211	0	--	--	-2	--	NA	NA	24
0.31 to 1.00 percent sulfur	--	--	--	291	11	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	--	1,600	11	--	--	-5	--	NA	NA	175
Petrochemical Feedstocks	--	--	--	538	--	--	--	--	--	--	538	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	538	--	--	--	--	--	--	538	--
Special Naphthas	--	--	--	--	1	--	--	--	--	--	1	--
Lubricants	--	--	--	--	3	--	--	--	--	167	-164	--
Waxes	--	--	--	--	--	--	--	--	--	2	-2	--
Petroleum Coke	--	--	--	8,229	--	-3,993	--	35	--	1	4,201	132
Marketable	--	--	--	5,701	--	-3,993	--	35	--	1	1,673	132
Catalyst	--	--	--	2,528	--	--	--	--	--	--	2,528	--
Asphalt and Road Oil	--	--	--	11,429	1,076	-4,906	--	-53	--	19	7,633	1,818
Still Gas	--	--	--	7,716	--	--	--	--	--	--	7,716	--
Miscellaneous Products	--	--	--	702	--	--	--	4	--	0	698	20
<b>Total</b>	<b>543,019</b>	<b>0</b>	<b>10,974</b>	<b>246,790</b>	<b>152,596</b>	<b>-436,877</b>	<b>-22,076</b>	<b>4,047</b>	<b>237,623</b>	<b>1,252</b>	<b>251,505</b>	<b>52,284</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2023**  
(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>939</b>	<b>20</b>	--	--	<b>394</b>	<b>-709</b>	<b>-67</b>	<b>4</b>	<b>573</b>	<b>0</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>549</b>	<b>-17</b>	<b>0</b>	<b>10</b>	<b>16</b>	<b>-502</b>	--	<b>3</b>	<b>18</b>	<b>0</b>	<b>35</b>
Natural Gas Liquids	549	-17	0	7	16	-502	--	3	18	0	32
Ethane	165	--	--	--	--	-168	--	0	--	0	-3
Propane	189	--	--	7	16	-168	--	2	--	0	43
Normal Butane	75	--	--	0	0	-70	--	1	6	0	-2
Isobutane	34	--	--	-1	0	-33	--	0	6	--	-6
Natural Gasoline	86	-17	0	--	0	-63	--	0	6	0	0
Refinery Olefins	--	--	--	3	0	--	--	0	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	1	0	--	--	0	--	--	1
Normal Butylene	--	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>-3</b>	<b>30</b>	--	<b>2</b>	<b>19</b>	<b>22</b>	<b>1</b>	<b>61</b>	<b>3</b>	<b>6</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	30	--	0	4	12	0	39	2	6
Hydrogen	--	--	--	--	--	--	7	--	7	--	0
Biofuels (including Fuel Ethanol)	--	--	30	--	0	4	6	0	32	2	6
Fuel Ethanol	--	--	12	--	--	13	6	0	30	2	0
Biofuels (excluding Fuel Ethanol)	--	--	18	--	0	-10	--	0	2	0	6
Biodiesel	--	--	--	--	0	1	--	0	1	0	0
Renewable Diesel Fuel	--	--	15	--	--	-11	--	0	--	NA	4
Other Biofuels <sup>6</sup>	--	--	3	--	--	--	--	0	1	NA	2
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-3	--	--	--	--	--	0	-4	1	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	--	2	16	10	1	26	0	0
Reformulated	--	--	--	--	--	4	--	2	11	--	--
Conventional	--	--	--	--	2	11	1	-1	15	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>0</b>	<b>666</b>	<b>6</b>	<b>-5</b>	<b>-15</b>	<b>3</b>	--	<b>1</b>	<b>648</b>
Finished Motor Gasoline	--	--	0	348	--	-10	-15	0	--	0	322
Reformulated	--	--	--	13	--	--	-8	--	--	--	4
Conventional	--	--	0	335	--	-10	-7	0	--	0	317
Finished Aviation Gasoline	--	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	0	34	1	26	--	0	--	0	61
Kerosene	--	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	0	195	2	3	--	2	--	0	198
15 ppm sulfur and under	--	--	0	195	2	3	--	2	--	0	198
Greater than 15 to 500 ppm sulfur	--	--	--	0	--	--	--	0	--	--	0
Greater than 500 ppm sulfur	--	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	--	11	0	--	--	0	--	--	11
Less than 0.31 percent sulfur	--	--	--	6	0	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	1	0	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	4	0	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	--	--	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	--	1
Special Naphthas	--	--	--	--	0	--	--	--	--	--	0
Lubricants	--	--	--	--	0	--	--	--	--	--	0
Waxes	--	--	--	--	--	--	--	--	--	--	0
Petroleum Coke	--	--	--	23	--	-11	--	0	--	0	12
Marketable	--	--	--	16	--	-11	--	0	--	0	5
Catalyst	--	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	--	31	3	-13	--	0	--	0	21
Still Gas	--	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	--	2	--	--	--	0	--	0	2
<b>Total</b>	<b>1,488</b>	<b>0</b>	<b>30</b>	<b>676</b>	<b>418</b>	<b>-1,197</b>	<b>-60</b>	<b>11</b>	<b>651</b>	<b>3</b>	<b>689</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2023**  
(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>277,022</b>	<b>23,182</b>	--	--	<b>453,829</b>	<b>41,684</b>	<b>2,679</b>	<b>1,421</b>	<b>793,859</b>	<b>3,116</b>	<b>0</b>	<b>49,423</b>
<b>Hydrocarbon Gas Liquids</b>	<b>23,169</b>	<b>-18,812</b>	<b>-58</b>	<b>14,433</b>	<b>18,975</b>	<b>15,122</b>	--	<b>655</b>	<b>10,213</b>	<b>20,562</b>	<b>21,399</b>	<b>4,503</b>
Natural Gas Liquids	23,169	-18,812	-58	12,496	18,975	15,122	--	650	10,213	20,562	19,467	4,481
Ethane	7	--	--	--	--	--	--	--	--	3	4	--
Propane	2,714	-294	--	10,642	11,145	6,187	--	692	--	11,845	17,857	2,172
Normal Butane	6,556	-5,185	--	894	7,518	7,014	--	-201	3,757	8,610	4,631	1,832
Isobutane	2,224	-2,023	--	960	312	1,922	--	151	6,241	28	-3,026	447
Natural Gasoline	11,668	-11,310	-58	--	--	--	--	8	215	77	0	30
Refinery Olefins	--	--	--	1,937	--	--	--	5	--	--	1,932	22
Ethylene	--	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	2,214	--	--	--	4	--	--	2,210	18
Normal Butylene	--	--	--	-277	--	--	--	1	--	--	-278	4
Isobutylene	--	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>-4,369</b>	<b>18,290</b>	--	<b>43,634</b>	<b>134,355</b>	<b>-1,216</b>	<b>-1,365</b>	<b>139,603</b>	<b>6,662</b>	<b>45,794</b>	<b>53,398</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	18,292	--	10,547	82,150	17,216	1,028	78,303	3,088	45,786	6,707
Hydrogen	--	--	--	--	--	--	15,663	--	15,663	--	0	--
Biofuels (including Fuel Ethanol)	--	--	18,292	--	10,547	82,150	1,553	1,028	62,640	3,088	45,786	6,707
Fuel Ethanol	--	--	2,115	--	400	51,911	1,553	8	53,826	2,145	0	2,539
Biofuels (excluding Fuel Ethanol)	--	--	16,177	--	10,147	30,239	--	1,020	8,814	943	45,786	4,168
Biodiesel	--	--	3,318	--	1,751	3,817	--	45	4,245	943	3,652	733
Renewable Diesel Fuel	--	--	12,512	--	8,396	26,423	--	959	4,296	NA	42,076	3,363
Other Biofuels <sup>6</sup>	--	--	348	--	0	0	--	17	273	NA	58	72
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-4,369	--	--	20,451	-460	--	1,220	12,922	1,480	0	19,933
Motor Gasoline Blend.Comp. (MGBC)	--	--	-2	--	12,628	52,665	-18,432	-3,613	48,378	2,095	0	26,758
Reformulated	--	--	0	--	777	19,701	2,687	-2,228	25,382	12	0	13,125
Conventional	--	--	-1	--	11,851	32,964	-21,119	-1,385	22,996	2,083	0	13,633
Aviation Gasoline Blend. Comp.	--	--	--	--	8	--	--	--	--	--	8	--
<b>Finished Petroleum Products</b>	--	--	<b>601</b>	<b>986,396</b>	<b>50,340</b>	<b>24,283</b>	<b>16,879</b>	<b>-1,881</b>	--	<b>111,021</b>	<b>969,358</b>	<b>32,785</b>
Finished Motor Gasoline	--	--	544	527,297	7,599	1,074	16,879	-325	--	11,479	542,239	1,877
Reformulated	--	--	--	365,470	--	--	-1,749	2	--	--	363,719	17
Conventional	--	--	544	161,827	7,599	1,074	18,628	-327	--	11,479	178,520	1,860
Finished Aviation Gasoline	--	--	--	322	21	--	--	-11	--	--	354	326
Kerosene-Type Jet Fuel	--	--	78	158,283	30,485	2,750	--	574	--	8,531	182,491	9,504
Kerosene	--	--	--	9	--	--	--	-4	--	129	-116	9
Distillate Fuel Oil	--	--	-22	166,540	5,666	13,633	--	-486	--	40,112	146,191	12,812
15 ppm sulfur and under	--	--	-22	157,637	5,654	13,633	--	-412	--	34,075	143,239	11,962
Greater than 15 to 500 ppm sulfur	--	--	--	3,823	--	--	--	33	--	1,257	2,533	265
Greater than 500 ppm sulfur	--	--	--	5,080	12	--	--	-107	--	4,780	419	585
Residual Fuel Oil	--	--	--	27,814	4,359	--	--	-1,012	--	6,056	27,129	4,078
Less than 0.31 percent sulfur	--	--	--	592	1,719	--	--	360	--	NA	NA	1,061
0.31 to 1.00 percent sulfur	--	--	--	7,913	2,565	--	--	-236	--	NA	NA	618
Greater than 1.00 percent sulfur	--	--	--	19,309	75	--	--	-1,136	--	NA	NA	2,399
Petrochemical Feedstocks	--	--	--	984	273	--	--	--	--	1,748	-491	--
Naphtha for Petro. Feed. Use	--	--	--	--	273	--	--	--	--	--	273	--
Other Oils for Petro. Feed. Use	--	--	--	984	--	--	--	--	--	1,748	-764	--
Special Naphthas	--	--	--	280	216	--	--	-17	--	--	513	15
Lubricants	--	--	--	3,913	536	12	--	-162	--	2,927	1,696	865
Waxes	--	--	--	--	147	--	--	--	--	49	98	--
Petroleum Coke	--	--	--	44,816	--	888	--	-177	--	39,627	6,254	1,087
Marketable	--	--	--	34,318	--	888	--	-177	--	39,627	-4,244	1,087
Catalyst	--	--	--	10,498	--	--	--	--	--	--	10,498	--
Asphalt and Road Oil	--	--	--	9,413	1,038	5,926	--	-248	--	361	16,264	2,147
Still Gas	--	--	--	42,186	--	--	--	--	--	--	42,186	--
Miscellaneous Products	--	--	--	4,539	--	--	--	-13	--	2	4,550	65
<b>Total</b>	<b>300,191</b>	<b>0</b>	<b>18,833</b>	<b>1,000,829</b>	<b>566,778</b>	<b>215,444</b>	<b>18,342</b>	<b>-1,170</b>	<b>943,675</b>	<b>141,361</b>	<b>1,036,551</b>	<b>140,109</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 12. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2023**  
(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>759</b>	<b>64</b>	--	--	<b>1,243</b>	<b>114</b>	<b>7</b>	<b>4</b>	<b>2,175</b>	<b>9</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>63</b>	<b>-52</b>	<b>0</b>	<b>40</b>	<b>52</b>	<b>41</b>	--	<b>2</b>	<b>28</b>	<b>56</b>	<b>59</b>
Natural Gas Liquids	63	-52	0	34	52	41	--	2	28	56	53
Ethane	0	--	--	--	--	--	--	--	--	0	0
Propane	7	-1	--	29	31	17	--	2	--	32	49
Normal Butane	18	-14	--	2	21	19	--	-1	10	24	13
Isobutane	6	-6	--	3	1	5	--	0	17	0	-8
Natural Gasoline	32	-31	0	--	--	--	--	0	1	0	0
Refinery Olefins	--	--	--	5	--	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	--	6	--	--	--	0	--	--	6
Normal Butylene	--	--	--	-1	--	--	--	0	--	--	-1
Isobutylene	--	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>-12</b>	<b>50</b>	--	<b>120</b>	<b>368</b>	<b>-3</b>	<b>-4</b>	<b>382</b>	<b>18</b>	<b>125</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	--	50	--	29	225	47	3	215	8	125
Hydrogen	--	--	--	--	--	--	43	--	43	--	0
Biofuels (including Fuel Ethanol)	--	--	50	--	29	225	4	3	172	8	125
Fuel Ethanol	--	--	6	--	1	142	4	0	147	6	0
Biofuels (excluding Fuel Ethanol)	--	--	44	--	28	83	--	3	24	3	125
Biodiesel	--	--	9	--	5	10	--	0	12	3	10
Renewable Diesel Fuel	--	--	34	--	23	72	--	3	12	NA	115
Other Biofuels <sup>6</sup>	--	--	1	--	0	0	--	0	1	NA	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	-12	--	--	56	-1	--	3	35	4	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	0	--	35	144	-50	-10	133	6	0
Reformulated	--	--	0	--	2	54	7	-6	70	0	0
Conventional	--	--	0	--	32	90	-58	-4	63	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	0	--	--	--	--	--	0
<b>Finished Petroleum Products</b>	--	--	<b>2</b>	<b>2,702</b>	<b>138</b>	<b>67</b>	<b>46</b>	<b>-5</b>	--	<b>304</b>	<b>2,656</b>
Finished Motor Gasoline	--	--	1	1,445	21	3	46	-1	--	31	1,486
Reformulated	--	--	--	1,001	--	--	-5	0	--	--	996
Conventional	--	--	1	443	21	3	51	-1	--	31	489
Finished Aviation Gasoline	--	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	0	434	84	8	--	2	--	23	500
Kerosene	--	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	0	456	16	37	--	-1	--	110	401
15 ppm sulfur and under	--	--	0	432	15	37	--	-1	--	93	392
Greater than 15 to 500 ppm sulfur	--	--	--	10	--	--	--	0	--	3	7
Greater than 500 ppm sulfur	--	--	--	14	0	--	--	0	--	13	1
Residual Fuel Oil	--	--	--	76	12	--	--	-3	--	17	74
Less than 0.31 percent sulfur	--	--	--	2	5	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	--	22	7	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	--	53	0	--	--	-3	--	NA	NA
Petrochemical Feedstocks	--	--	--	3	1	--	--	--	--	5	-1
Naphtha for Petro. Feed. Use	--	--	--	--	1	--	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	3	--	--	--	--	--	5	-2
Special Naphthas	--	--	--	1	1	--	--	0	--	--	1
Lubricants	--	--	--	11	1	0	--	0	--	8	5
Waxes	--	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	--	123	--	2	--	0	--	109	17
Marketable	--	--	--	94	--	2	--	0	--	109	-12
Catalyst	--	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	--	26	3	16	--	-1	--	1	45
Still Gas	--	--	--	116	--	--	--	--	--	--	116
Miscellaneous Products	--	--	--	12	--	--	--	0	--	0	12
<b>Total</b>	<b>822</b>	<b>0</b>	<b>52</b>	<b>2,742</b>	<b>1,553</b>	<b>590</b>	<b>50</b>	<b>-3</b>	<b>2,585</b>	<b>387</b>	<b>2,840</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> 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," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, 2023**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	24,658	663,982	3,412,664	342,769	277,022	4,721,095	12,935
Alaskan .....	--	--	--	--	--	155,465	426
Lower 48 States .....	--	--	--	--	--	4,565,630	12,509
Transfers to Crude Oil Supply .....	30,830	18,628	111,841	7,289	23,182	191,768	525
Imports (PAD District of Entry) .....	215,142	1,064,338	491,308	143,819	453,829	2,368,436	6,489
Commercial .....	215,142	1,064,338	491,308	143,819	453,829	2,368,436	6,489
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	23,867	-283,692	476,961	-258,820	41,684	--	--
Adjustments <sup>1</sup> .....	-36,868	-10,523	84,692	-24,554	2,679	15,426	42
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	-411	9,551	-32,924	1,406	1,421	-20,957	-57
Commercial .....	-411	9,551	-15,578	1,406	1,421	-3,611	-10
SPR .....	--	--	-17,346	--	--	-17,346	-48
Refinery Inputs .....	258,035	1,405,992	3,160,908	209,095	793,859	5,827,889	15,967
Exports .....	6	37,190	1,449,481	1	3,116	1,489,794	4,082
<b>Ending Stocks</b>							
Total .....	7,201	116,557	582,167	25,827	49,423	781,175	--
Commercial .....	7,201	116,557	227,483	25,827	49,423	426,491	--
Refinery .....	5,801	13,030	44,653	2,535	20,512	86,531	--
Tank Farms and Pipelines .....	1,400	103,527	182,830	23,292	23,164	334,213	--
Cushing, Oklahoma .....	--	34,454	--	--	--	34,454	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	5,747	5,747	--
SPR .....	--	--	354,684	--	--	354,684	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	45.4	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	22.1	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	--	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	6,591	--	--	6,591	18
Domestic .....	--	--	6,591	--	--	6,591	18
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	215,142	1,064,338	491,308	143,819	453,829	2,368,436	6,489
PAD District of Processing .....	217,651	977,447	624,747	94,762	453,829	2,368,436	6,489

-- = 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, 2023**  
(Thousand Barrels)

PAD District and State	2023	
	Total	Daily Average
<b>PAD District 1</b> .....	<b>24,658</b>	<b>68</b>
Florida .....	1,022	3
New York .....	251	1
Pennsylvania .....	4,816	13
Virginia .....	4	0
West Virginia .....	18,565	51
<b>PAD District 2</b> .....	<b>663,982</b>	<b>1,819</b>
Illinois .....	6,892	19
Indiana .....	1,530	4
Kansas .....	27,671	76
Kentucky .....	1,876	5
Michigan .....	4,834	13
Missouri .....	63	0
Nebraska .....	1,645	5
North Dakota .....	431,716	1,183
Ohio .....	29,896	82
Oklahoma .....	156,777	430
South Dakota .....	909	2
Tennessee .....	173	0
<b>PAD District 3</b> .....	<b>3,412,664</b>	<b>9,350</b>
Alabama .....	3,591	10
Arkansas .....	4,450	12
Louisiana .....	34,219	94
Mississippi .....	12,575	34
New Mexico .....	665,552	1,823
Texas .....	2,011,515	5,511
Federal Offshore PAD District 3 .....	680,763	1,865
<b>PAD District 4</b> .....	<b>342,769</b>	<b>939</b>
Colorado .....	166,790	457
Idaho .....	33	0
Montana .....	22,644	62
Utah .....	56,441	155
Wyoming .....	96,862	265
<b>PAD District 5</b> .....	<b>277,022</b>	<b>759</b>
Alaska .....	155,465	426
South Alaska .....	3,123	9
North Slope .....	152,342	417
Arizona .....	7	0
California .....	118,326	324
Nevada .....	206	1
Federal Offshore PAD District 5 .....	3,019	8
<b>U.S. Total</b> .....	<b>4,721,095</b>	<b>12,935</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, 2023**  
(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>91</b>	<b>254,160</b>	<b>254,251</b>	<b>67,448</b>	<b>157,864</b>	<b>204,122</b>	<b>429,434</b>
Natural Gas Liquids .....	91	254,160	254,251	67,448	157,864	204,122	429,434
Ethane .....	-	105,819	105,819	25,089	41,635	85,804	152,528
Propane .....	32	85,089	85,121	26,788	59,546	62,638	148,972
Normal Butane .....	59	26,000	26,059	7,092	25,324	20,699	53,115
Isobutane .....	-	11,346	11,346	4,203	7,820	10,774	22,797
Natural Gasoline .....	-	25,906	25,906	4,276	23,539	24,207	52,022

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>1,184,848</b>	<b>60,279</b>	<b>63,644</b>	<b>4,488</b>	<b>151,633</b>	<b>1,464,892</b>	<b>200,250</b>	<b>23,169</b>	<b>2,371,996</b>
Natural Gas Liquids .....	1,184,848	60,279	63,644	4,488	151,633	1,464,892	200,250	23,169	2,371,996
Ethane .....	525,897	30,804	25,646	722	66,279	649,348	60,251	7	967,953
Propane .....	349,729	15,430	21,024	1,322	44,299	431,804	69,107	2,714	737,718
Normal Butane .....	127,994	-37,501	7,207	607	16,080	114,387	27,220	6,556	227,337
Isobutane .....	53,572	46,493	3,802	467	7,464	111,798	12,377	2,224	160,542
Natural Gasoline .....	127,656	5,053	5,965	1,370	17,511	157,555	31,295	11,668	278,446

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>6</b>	<b>262</b>	<b>268</b>	<b>847</b>	<b>167</b>	<b>10</b>	<b>1,024</b>
Natural Gas Liquids .....	6	262	268	847	167	10	1,024
Ethane .....	-	-	-	33	3	2	38
Propane .....	2	135	137	474	71	2	547
Normal Butane .....	4	36	40	126	38	1	165
Isobutane .....	-	15	15	78	8	-	86
Natural Gasoline .....	-	76	76	136	47	5	188

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>173</b>	<b>185</b>	<b>1,241</b>	<b>8</b>	<b>1</b>	<b>1,608</b>	<b>196</b>	<b>386</b>	<b>3,482</b>
Natural Gas Liquids .....	173	185	1,241	8	1	1,608	196	386	3,482
Ethane .....	14	8	-	1	-	23	5	-	66
Propane .....	32	23	51	3	-	109	88	109	990
Normal Butane .....	26	20	199	1	-	246	32	217	700
Isobutane .....	64	16	104	-	-	184	15	36	336
Natural Gasoline .....	37	118	887	3	1	1,046	56	24	1,390

- = 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, 2023**  
(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>222,146</b>	<b>35,889</b>	<b>258,035</b>	<b>914,932</b>	<b>188,427</b>	<b>302,633</b>	<b>1,405,992</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>15,438</b>	<b>-</b>	<b>15,438</b>	<b>26,440</b>	<b>1,914</b>	<b>13,098</b>	<b>41,452</b>
Natural Gas Liquids .....	15,438	-	15,438	26,440	1,914	13,098	41,452
Normal Butane .....	11,071	-	11,071	4,254	931	2,845	8,030
Isobutane .....	1,185	-	1,185	16,096	866	4,890	21,852
Natural Gasoline .....	3,182	-	3,182	6,090	117	5,363	11,570
<b>Other Liquids</b> .....	<b>978,124</b>	<b>69,821</b>	<b>1,047,945</b>	<b>74,861</b>	<b>32,604</b>	<b>31,403</b>	<b>138,868</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	115,711	9,624	125,335	66,658	17,838	23,490	107,986
Hydrogen .....	837	164	1,001	8,500	3,029	2,578	14,107
Biofuels (Including Fuel Ethanol) .....	114,874	9,460	124,334	58,013	14,809	20,912	93,734
Fuel Ethanol .....	110,650	8,285	118,935	56,229	13,114	19,166	88,509
Biodiesel .....	4,167	1,175	5,342	1,784	1,695	964	4,443
Renewable Diesel Fuel .....	57	-	57	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	782	782
Other Hydrocarbons .....	-	-	-	145	-	-	145
Unfinished Oils (net) .....	16,877	-1,159	15,718	-12,087	-1,572	-528	-14,187
Naphthas and Lighter .....	4,308	-535	3,773	1,349	-741	722	1,330
Kerosene and Light Gas Oils .....	1,521	-	1,521	-4,091	-393	-89	-4,573
Heavy Gas Oils .....	1,320	-614	706	-6,208	-438	-299	-6,945
Residuum .....	9,728	-10	9,718	-3,137	0	-862	-3,999
Motor Gasoline Blend.Comp. (MGBC)(net) .....	845,536	61,356	906,892	20,290	16,338	8,441	45,069
Reformulated - RBOB .....	187,262	-	187,262	-2,268	13,807	9,004	20,543
Conventional .....	658,274	61,356	719,630	22,558	2,531	-563	24,526
CBOB .....	543,086	61,342	604,428	29,127	1,467	-572	30,022
GTAB .....	33,830	-	33,830	-	-	-	-
Other .....	81,358	14	81,372	-6,569	1,064	9	-5,496
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>1,215,708</b>	<b>105,710</b>	<b>1,321,418</b>	<b>1,016,233</b>	<b>222,945</b>	<b>347,134</b>	<b>1,586,312</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, 2023**  
(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>222,069</b>	<b>1,733,820</b>	<b>1,088,677</b>	<b>88,797</b>	<b>27,545</b>	<b>3,160,908</b>	<b>209,095</b>	<b>793,859</b>	<b>5,827,889</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>6,920</b>	<b>97,692</b>	<b>46,767</b>	<b>1,092</b>	<b>1,202</b>	<b>153,673</b>	<b>6,414</b>	<b>10,213</b>	<b>227,190</b>
Natural Gas Liquids .....	6,920	97,692	46,767	1,092	1,202	153,673	6,414	10,213	227,190
Normal Butane .....	3,239	24,083	18,174	591	87	46,174	2,312	3,757	71,344
Isobutane .....	3,245	29,737	17,520	448	1,115	52,065	2,066	6,241	83,409
Natural Gasoline .....	436	43,872	11,073	53	-	55,434	2,036	215	72,437
<b>Other Liquids</b> .....	<b>129,770</b>	<b>-565,213</b>	<b>-332,002</b>	<b>83,647</b>	<b>374</b>	<b>-683,424</b>	<b>22,114</b>	<b>139,603</b>	<b>665,106</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	26,807	38,633	24,675	12,907	2,454	105,476	14,086	78,303	431,186
Hydrogen .....	1,037	26,860	17,979	791	387	47,054	2,478	15,663	80,303
Biofuels (Including Fuel Ethanol) .....	25,770	11,773	6,696	12,116	2,067	58,422	11,608	62,640	350,738
Fuel Ethanol .....	24,934	10,422	5,853	11,857	1,697	54,763	10,851	53,826	326,884
Biodiesel .....	836	869	433	259	144	2,541	406	4,245	16,977
Renewable Diesel Fuel .....	-	-	19	-	-	19	-	4,296	4,372
Other Biofuels <sup>1</sup> .....	-	482	391	-	226	1,099	351	273	2,505
Other Hydrocarbons .....	-	-	-	-	-	-	-	-	145
Unfinished Oils (net) .....	-1,097	-58,360	93,904	-1,369	-1,520	31,558	-1,320	12,922	44,691
Naphthas and Lighter .....	419	-92,453	5,912	-261	-279	-86,662	-207	835	-80,931
Kerosene and Light Gas Oils .....	283	-18,864	-4,889	-332	-763	-24,565	-238	-5,638	-33,493
Heavy Gas Oils .....	-1,169	11,688	82,791	153	-478	92,985	-671	14,844	100,919
Residuum .....	-630	41,269	10,090	-929	-	49,800	-204	2,881	58,196
Motor Gasoline Blend.Comp. (MGBC)(net) .....	103,990	-545,486	-450,650	72,109	-560	-820,597	9,348	48,378	189,090
Reformulated - RBOB .....	72,643	-104,063	-46,410	77	-4,935	-82,688	4,012	25,382	154,511
Conventional .....	31,347	-441,423	-404,240	72,032	4,375	-737,909	5,336	22,996	34,579
CBOB .....	31,773	-381,208	-385,270	72,291	4,086	-658,328	5,019	14,669	-4,190
GTAB .....	-	-	-	-	-	-	-	-	33,830
Other .....	-426	-60,215	-18,970	-259	289	-79,581	317	8,327	4,939
Aviation Gasoline Blend. Comp. (net) .....	70	-	69	-	-	139	-	-	139
<b>Total Input</b> .....	<b>358,759</b>	<b>1,266,299</b>	<b>803,442</b>	<b>173,536</b>	<b>29,121</b>	<b>2,631,157</b>	<b>237,623</b>	<b>943,675</b>	<b>6,720,185</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, 2023**  
(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 .....	7,089	404	7,493	31,172	1,807	6,421	39,400
Natural Gas Liquids .....	4,306	404	4,710	20,395	213	4,160	24,768
Ethane .....	-	-	-	-	-	-	-
Propane .....	4,485	305	4,790	18,447	3,120	5,660	27,227
Normal Butane .....	-31	312	281	4,073	-2,358	-1,116	599
Isobutane .....	-148	-213	-361	-2,125	-549	-384	-3,058
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	2,783	-	2,783	10,777	1,594	2,261	14,632
Ethylene .....	102	-	102	-	-	-	-
Propylene .....	2,615	-	2,615	9,476	1,594	2,224	13,294
Butylene .....	-47	-	-47	1,301	-	37	1,338
Isobutylene .....	113	-	113	-	-	-	-
Finished Motor Gasoline .....	1,083,180	82,547	1,165,727	576,811	124,274	193,477	894,562
Reformulated .....	425,690	524	426,214	94,701	17,617	10,026	122,344
Reformulated Blended with Fuel Ethanol .....	425,661	524	426,185	94,701	17,607	10,026	122,334
Reformulated Other .....	29	-	29	-	10	-	10
Conventional .....	657,490	82,023	739,513	482,110	106,657	183,451	772,218
Conventional Blended with Fuel Ethanol .....	666,440	82,104	748,544	458,905	107,863	168,177	734,945
Ed55 and Lower .....	665,469	82,103	747,572	458,617	107,297	166,428	732,342
Greater than Ed55 .....	971	1	972	288	566	1,749	2,603
Conventional Other .....	-8,950	-81	-9,031	23,205	-1,206	15,274	37,273
Finished Aviation Gasoline .....	-	-	-	-	157	-	157
Kerosene-Type Jet Fuel .....	30,938	-	30,938	78,429	11,091	11,818	101,338
Kerosene .....	1,183	24	1,207	675	-	302	977
Distillate Fuel Oil .....	71,328	10,221	81,549	243,883	60,586	117,430	421,899
15 ppm sulfur and under .....	71,828	10,191	82,019	243,854	60,279	117,606	421,739
Greater than 15 ppm to 500 ppm sulfur .....	519	-	519	-	-	1,253	1,253
Greater than 500 ppm sulfur .....	-1,019	30	-989	29	307	-1,429	-1,093
Residual Fuel Oil .....	9,626	65	9,691	8,204	1,989	1,709	11,902
Less than 0.31 percent sulfur .....	423	54	477	707	-	-	707
0.31 to 1.00 percent sulfur .....	6,818	11	6,829	2,848	1,063	379	4,290
Greater than 1.00 percent sulfur .....	2,385	-	2,385	4,649	926	1,330	6,905
Petrochemical Feedstocks .....	-	164	164	10,188	-	-	10,188
Naphtha for Petro. Feed. Use .....	-	-	-	5,902	-	-	5,902
Other Oils for Petro. Feed. Use .....	-	164	164	4,286	-	-	4,286
Special Naphthas .....	-	84	84	-417	-	153	-264
Lubricants .....	1,981	2,292	4,273	-	-	2,151	2,151
Waxes .....	-	-72	-72	-	-	395	395
Petroleum Coke .....	6,528	234	6,762	46,975	10,199	10,209	67,383
Marketable .....	2,403	-	2,403	34,863	8,280	7,428	50,571
Catalyst .....	4,125	234	4,359	12,112	1,919	2,781	16,812
Asphalt and Road Oil .....	5,299	8,341	13,640	37,566	18,126	4,147	59,839
Still Gas .....	9,183	674	9,857	33,784	7,066	11,942	52,792
Miscellaneous Products .....	492	236	728	3,893	1,299	600	5,792
<b>Total .....</b>	<b>1,226,827</b>	<b>105,214</b>	<b>1,332,041</b>	<b>1,071,163</b>	<b>236,594</b>	<b>360,754</b>	<b>1,668,511</b>
Processing Gain(-) or Loss(+) .....	-11,119	496	-10,623	-54,930	-13,649	-13,620	-82,199

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, 2023**  
(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 .....	8,083	86,368	60,391	400	228	155,470	3,567	14,433	220,363
Natural Gas Liquids .....	4,183	49,478	31,058	109	228	85,056	2,467	12,496	129,497
Ethane .....	45	1,741	819	—	—	2,605	—	—	2,605
Propane .....	3,353	29,516	22,976	154	280	56,279	2,575	10,642	101,513
Normal Butane .....	920	22,198	5,999	-45	-52	29,020	88	894	30,882
Isobutane .....	-135	-3,977	1,264	—	—	-2,848	-196	960	-5,503
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	3,900	36,890	29,333	291	—	70,414	1,100	1,937	90,866
Ethylene .....	—	264	270	—	—	534	—	—	636
Propylene .....	3,923	39,967	29,142	291	—	73,323	254	2,214	91,700
Butylene .....	-23	-3,342	-82	—	—	-3,447	846	-277	-1,587
Isobutylene .....	—	1	3	—	—	4	—	—	117
Finished Motor Gasoline .....	251,573	301,022	124,996	111,536	17,217	806,344	126,889	527,297	3,520,819
Reformulated .....	89,006	82,432	—	—	—	171,438	4,655	365,470	1,090,121
Reformulated Blended with Fuel Ethanol .....	88,977	82,415	—	—	—	171,392	4,655	365,470	1,090,036
Reformulated Other .....	29	17	—	—	—	46	—	—	85
Conventional .....	162,567	218,590	124,996	111,536	17,217	634,906	122,234	161,827	2,430,698
Conventional Blended with Fuel Ethanol .....	158,546	19,760	57,878	116,782	16,968	369,934	101,531	166,411	2,121,365
Ed55 and Lower .....	158,439	19,747	57,878	116,556	16,956	369,576	101,283	166,253	2,117,026
Greater than Ed55 .....	107	13	—	226	12	358	248	158	4,339
Conventional Other .....	4,021	198,830	67,118	-5,246	249	264,972	20,703	-4,584	309,333
Finished Aviation Gasoline .....	803	988	1,535	—	—	3,326	64	322	3,869
Kerosene-Type Jet Fuel .....	17,002	179,800	123,556	1,584	-1	321,941	12,263	158,283	624,763
Kerosene .....	0	2,625	7	147	—	2,779	2	9	4,974
Distillate Fuel Oil .....	67,597	538,395	397,326	31,853	10,104	1,045,275	71,289	166,540	1,786,552
15 ppm sulfur and under .....	67,595	525,717	352,205	30,817	10,104	986,438	71,229	157,637	1,719,062
Greater than 15 ppm to 500 ppm sulfur .....	2	5,173	28,379	857	—	34,411	38	3,823	40,044
Greater than 500 ppm sulfur .....	—	7,505	16,742	179	—	24,426	22	5,080	27,446
Residual Fuel Oil .....	3,205	25,114	16,996	-204	307	45,418	4,102	27,814	98,927
Less than 0.31 percent sulfur .....	2,985	—	6,744	—	—	9,729	2,211	592	13,716
0.31 to 1.00 percent sulfur .....	-20	8,022	4,099	-204	—	11,897	291	7,913	31,220
Greater than 1.00 percent sulfur .....	240	17,092	6,153	—	307	23,792	1,600	19,309	53,991
Petrochemical Feedstocks .....	1,086	38,847	28,269	19	488	68,709	538	984	80,583
Naphtha for Petro. Feed. Use .....	1,007	25,034	15,819	19	—	41,879	—	—	47,781
Other Oils for Petro. Feed. Use .....	79	13,813	12,450	—	488	26,830	538	984	32,802
Special Naphthas .....	605	7,356	—	2,513	—	10,474	—	280	10,574
Lubricants .....	128	18,458	16,272	9,262	—	44,120	—	3,913	54,457
Waxes .....	—	471	694	235	—	1,400	—	—	1,723
Petroleum Coke .....	4,301	98,369	62,852	1,996	232	167,750	8,229	44,816	294,940
Marketable .....	1,727	77,512	50,317	1,809	—	131,365	5,701	34,318	224,358
Catalyst .....	2,574	20,857	12,535	187	232	36,385	2,528	10,498	70,582
Asphalt and Road Oil .....	2,527	4,541	6,103	11,435	483	25,089	11,429	9,413	119,410
Still Gas .....	8,213	70,789	43,202	3,802	829	126,835	7,716	42,186	239,386
Miscellaneous Products .....	1,501	11,830	5,800	207	83	19,421	702	4,539	31,182
<b>Total .....</b>	<b>366,624</b>	<b>1,384,973</b>	<b>887,999</b>	<b>174,785</b>	<b>29,970</b>	<b>2,844,351</b>	<b>246,790</b>	<b>1,000,829</b>	<b>7,092,522</b>
Processing Gain(-) or Loss(+) .....	-7,865	-118,674	-84,557	-1,249	-849	-213,194	-9,167	-57,154	-372,337

— = 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, 2023**  
(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>222,146</b>	<b>35,889</b>	<b>258,035</b>	<b>914,932</b>	<b>188,427</b>	<b>302,633</b>	<b>1,405,992</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,917</b>	<b>-</b>	<b>2,917</b>	<b>26,141</b>	<b>866</b>	<b>9,251</b>	<b>36,258</b>
Natural Gas Liquids .....	2,917	-	2,917	26,141	866	9,251	36,258
Normal Butane .....	1,732	-	1,732	3,982	-	261	4,243
Isobutane .....	1,185	-	1,185	16,096	866	4,890	21,852
Natural Gasoline .....	-	-	-	6,063	-	4,100	10,163
<b>Other Liquids</b> .....	<b>-88,812</b>	<b>705</b>	<b>-88,107</b>	<b>-450,956</b>	<b>-67,628</b>	<b>-125,060</b>	<b>-643,644</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	1,629	1,920	3,549	11,371	5,655	5,414	22,440
Hydrogen .....	837	164	1,001	8,500	3,029	2,578	14,107
Biofuels (Including Fuel Ethanol) .....	792	1,756	2,548	2,726	2,626	2,836	8,188
Fuel Ethanol .....	789	1,395	2,184	2,259	2,083	1,760	6,102
Biodiesel .....	-	361	361	467	543	294	1,304
Renewable Diesel Fuel .....	3	-	3	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	782	782
Other Hydrocarbons .....	-	-	-	145	-	-	145
Unfinished Oils (net) .....	16,877	-1,159	15,718	-12,093	-1,572	-535	-14,200
Naphthas and Lighter .....	4,308	-535	3,773	1,349	-741	722	1,330
Kerosene and Light Gas Oils .....	1,521	-	1,521	-4,091	-393	-89	-4,573
Heavy Gas Oils .....	1,320	-614	706	-6,214	-438	-306	-6,958
Residuum .....	9,728	-10	9,718	-3,137	0	-862	-3,999
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-107,318	-56	-107,374	-450,234	-71,711	-129,939	-651,884
Reformulated - RBOB .....	-71,669	-	-71,669	-83,618	-285	-	-83,903
Conventional .....	-35,649	-56	-35,705	-366,616	-71,426	-129,939	-567,981
CBOB .....	-30,668	-70	-30,738	-359,911	-70,677	-129,948	-560,536
GTAB .....	-	-	-	-	-	-	-
Other .....	-4,981	14	-4,967	-6,705	-749	9	-7,445
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>136,251</b>	<b>36,594</b>	<b>172,845</b>	<b>490,117</b>	<b>121,665</b>	<b>186,824</b>	<b>798,606</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	657	98	756	2,506	532	828	3,866
Operable Capacity (daily average) .....	792	98	890	2,730	549	928	4,207
Operable Utilization Rate (percent) <sup>2</sup> .....	83.0	100.1	84.9	91.8	96.9	89.2	91.9
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	120	16	136	460	73	159	692
Catalytic Cracking .....	203	16	219	732	137	199	1,068
Catalytic Hydrocracking .....	36	-	36	188	52	43	282
Delayed and Fluid Coking .....	30	-	30	332	66	74	472
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.83	1.77	0.96	1.62	1.77	0.61	1.42
API Gravity, Weighted Average (degrees) .....	35.21	31.79	34.72	33.25	28.16	39.29	33.80
<b>Operable Capacity (daily average)</b> .....	<b>792</b>	<b>98</b>	<b>890</b>	<b>2,730</b>	<b>549</b>	<b>928</b>	<b>4,207</b>
Operating .....	750	98	849	2,657	540	922	4,119
Idle .....	41	-	41	73	9	6	88
<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, 2023**  
(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>222,069</b>	<b>1,733,820</b>	<b>1,088,677</b>	<b>88,797</b>	<b>27,545</b>	<b>3,160,908</b>	<b>209,095</b>	<b>793,859</b>	<b>5,827,889</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>6,416</b>	<b>57,803</b>	<b>44,438</b>	<b>655</b>	<b>1,169</b>	<b>110,481</b>	<b>5,429</b>	<b>9,766</b>	<b>164,851</b>
Natural Gas Liquids .....	6,416	57,803	44,438	655	1,169	110,481	5,429	9,766	164,851
Normal Butane .....	2,789	17,890	15,845	179	54	36,757	1,742	3,310	47,784
Isobutane .....	3,245	29,737	17,520	448	1,115	52,065	2,047	6,241	83,390
Natural Gasoline .....	382	10,176	11,073	28	-	21,659	1,640	215	33,677
<b>Other Liquids</b> .....	<b>-94,403</b>	<b>-661,960</b>	<b>-365,296</b>	<b>-20,492</b>	<b>-15,089</b>	<b>-1,157,240</b>	<b>-52,360</b>	<b>-360,273</b>	<b>-2,301,624</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	3,820	27,890	21,111	1,440	750	55,011	6,044	20,536	107,580
Hydrogen .....	1,037	26,860	17,979	791	387	47,054	2,478	15,663	80,303
Biofuels (Including Fuel Ethanol) .....	2,783	1,030	3,132	649	363	7,957	3,566	4,873	27,132
Fuel Ethanol .....	2,226	522	2,289	641	73	5,751	2,961	1,573	18,571
Biodiesel .....	557	26	433	8	64	1,088	254	159	3,166
Renewable Diesel Fuel .....	-	-	19	-	-	19	-	2,868	2,890
Other Biofuels <sup>1</sup> .....	-	482	391	-	226	1,099	351	273	2,505
Other Hydrocarbons .....	-	-	-	-	-	-	-	-	145
Unfinished Oils (net) .....	-1,097	-58,457	93,918	-1,369	-1,520	31,475	-1,320	12,922	44,595
Naphthas and Lighter .....	419	-92,453	5,912	-261	-279	-86,662	-207	835	-80,931
Kerosene and Light Gas Oils .....	283	-18,864	-4,889	-332	-763	-24,565	-238	-5,638	-33,493
Heavy Gas Oils .....	-1,169	11,591	82,805	153	-478	92,902	-671	14,844	100,823
Residuum .....	-630	41,269	10,090	-929	-	49,800	-204	2,881	58,196
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-97,196	-631,393	-480,394	-20,563	-14,319	-1,243,865	-57,084	-393,731	-2,453,938
Reformulated - RBOB .....	-8,231	-169,269	-46,410	-	-4,935	-228,845	-	-292,065	-676,482
Conventional .....	-88,965	-462,124	-433,984	-20,563	-9,384	-1,015,020	-57,084	-101,666	-1,777,456
CBOB .....	-88,539	-355,806	-406,410	-20,304	-9,334	-880,393	-57,389	-104,671	-1,633,727
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	-426	-106,318	-27,574	-259	-50	-134,627	305	3,005	-143,729
Aviation Gasoline Blend. Comp. (net) .....	70	-	69	-	-	139	-	-	139
<b>Total Input to Refineries</b> .....	<b>134,082</b>	<b>1,129,663</b>	<b>767,819</b>	<b>68,960</b>	<b>13,625</b>	<b>2,114,149</b>	<b>162,164</b>	<b>443,352</b>	<b>3,691,116</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	619	4,939	3,119	214	75	8,966	572	2,342	16,502
Operable Capacity (daily average) .....	744	5,433	3,330	260	110	9,878	650	2,622	18,248
Operable Utilization Rate (percent) <sup>2</sup> .....	83.2	90.9	93.7	82.0	68.6	90.8	88.0	89.3	90.4
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	141	731	562	38	15	1,486	87	371	2,772
Catalytic Cracking .....	156	1,283	853	17	20	2,329	156	600	4,372
Catalytic Hydrocracking .....	42	537	449	19	9	1,056	15	414	1,804
Delayed and Fluid Coking .....	22	772	500	30	-	1,324	58	364	2,247
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.59	1.51	1.26	1.43	0.97	1.33	1.42	1.30	1.33
API Gravity, Weighted Average (degrees) .....	39.96	34.31	31.01	31.92	38.36	33.71	32.01	29.04	33.08
<b>Operable Capacity (daily average)</b> .....	<b>744</b>	<b>5,433</b>	<b>3,330</b>	<b>260</b>	<b>110</b>	<b>9,878</b>	<b>650</b>	<b>2,622</b>	<b>18,248</b>
Operating .....	739	5,426	3,288	252	110	9,814	612	2,622	18,016
Idle .....	5	7	42	8	-	63	38	1	231
<b>Alaskan Crude Oil Receipts</b> .....	-	-	-	-	-	-	-	<b>172,223</b>	<b>172,223</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, 2023**  
(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 .....	7,089	404	7,493	31,172	1,807	6,421	39,400
Natural Gas Liquids .....	4,306	404	4,710	20,395	213	4,160	24,768
Ethane .....	-	-	-	-	-	-	-
Propane .....	4,485	305	4,790	18,447	3,120	5,660	27,227
Normal Butane .....	-31	312	281	4,073	-2,358	-1,116	599
Isobutane .....	-148	-213	-361	-2,125	-549	-384	-3,058
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	2,783	-	2,783	10,777	1,594	2,261	14,632
Ethylene .....	102	-	102	-	-	-	-
Propylene .....	2,615	-	2,615	9,476	1,594	2,224	13,294
Butylene .....	-47	-	-47	1,301	-	37	1,338
Isobutylene .....	113	-	113	-	-	-	-
Finished Motor Gasoline .....	7,863	14,201	22,064	51,796	24,136	33,853	109,785
Reformulated .....	7,863	-	7,863	-	-	19	19
Reformulated Blended with Fuel Ethanol .....	7,863	-	7,863	-	-	19	19
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	14,201	14,201	51,796	24,136	33,834	109,766
Conventional Blended with Fuel Ethanol .....	-	13,943	13,943	22,916	20,006	17,975	60,897
Ed55 and Lower .....	-	13,943	13,943	22,916	20,006	17,975	60,897
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	258	258	28,880	4,130	15,859	48,869
Finished Aviation Gasoline .....	-	-	-	-	157	-	157
Kerosene-Type Jet Fuel .....	31,025	-	31,025	78,764	11,097	11,828	101,689
Kerosene .....	1,307	24	1,331	675	-	302	977
Distillate Fuel Oil .....	66,806	9,451	76,257	242,465	59,433	116,782	418,680
15 ppm sulfur and under .....	67,397	9,421	76,818	242,436	59,126	116,972	418,534
Greater than 15 ppm to 500 ppm sulfur .....	245	-	245	-	-	-49	-49
Greater than 500 ppm sulfur .....	-836	30	-806	29	307	-141	195
Residual Fuel Oil .....	9,825	65	9,890	8,204	1,989	1,712	11,905
Less than 0.31 percent sulfur .....	594	54	648	707	-	-	707
0.31 to 1.00 percent sulfur .....	6,818	11	6,829	2,848	1,063	382	4,293
Greater than 1.00 percent sulfur .....	2,413	-	2,413	4,649	926	1,330	6,905
Petrochemical Feedstocks .....	-	164	164	10,188	-	-	10,188
Naphtha for Petro. Feed. Use .....	-	-	-	5,902	-	-	5,902
Other Oils for Petro. Feed. Use .....	-	164	164	4,286	-	-	4,286
Special Naphthas .....	-	84	84	-417	-	153	-264
Lubricants .....	1,981	2,292	4,273	-	-	2,151	2,151
Waxes .....	-	-72	-72	-	-	395	395
Petroleum Coke .....	6,528	234	6,762	46,975	10,199	10,209	67,383
Marketable .....	2,403	-	2,403	34,863	8,280	7,428	50,571
Catalyst .....	4,125	234	4,359	12,112	1,919	2,781	16,812
Asphalt and Road Oil .....	5,263	8,341	13,604	37,560	18,120	4,103	59,783
Still Gas .....	9,183	674	9,857	33,784	7,066	11,942	52,792
Miscellaneous Products .....	492	236	728	3,893	1,299	600	5,792
<b>Total .....</b>	<b>147,362</b>	<b>36,098</b>	<b>183,460</b>	<b>545,059</b>	<b>135,303</b>	<b>200,451</b>	<b>880,813</b>
Processing Gain(-) or Loss(+) .....	-11,111	496	-10,615	-54,942	-13,638	-13,627	-82,207

See footnotes at end of table.

**Table 19. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, 2023**  
(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 .....	8,083	86,368	60,391	400	228	155,470	3,567	14,433	220,363
Natural Gas Liquids .....	4,183	49,478	31,058	109	228	85,056	2,467	12,496	129,497
Ethane .....	45	1,741	819	—	—	2,605	—	—	2,605
Propane .....	3,353	29,516	22,976	154	280	56,279	2,575	10,642	101,513
Normal Butane .....	920	22,198	5,999	-45	-52	29,020	88	894	30,882
Isobutane .....	-135	-3,977	1,264	—	—	-2,848	-196	960	-5,503
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	3,900	36,890	29,333	291	—	70,414	1,100	1,937	90,866
Ethylene .....	—	264	270	—	—	534	—	—	636
Propylene .....	3,923	39,967	29,142	291	—	73,323	254	2,214	91,700
Butylene .....	-23	-3,342	-82	—	—	-3,447	846	-277	-1,587
Isobutylene .....	—	1	3	—	—	4	—	—	117
Finished Motor Gasoline .....	27,181	165,338	89,359	7,208	1,799	290,885	51,470	31,933	506,137
Reformulated .....	68	—	—	—	—	68	—	7,512	15,462
Reformulated Blended with Fuel Ethanol .....	68	—	—	—	—	68	—	7,512	15,462
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	27,113	165,338	89,359	7,208	1,799	290,817	51,470	24,421	490,675
Conventional Blended with Fuel Ethanol .....	22,632	5,202	22,454	6,587	783	57,658	29,682	8,281	170,461
Ed55 and Lower .....	22,632	5,202	22,454	6,587	783	57,658	29,682	8,281	170,461
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	4,481	160,136	66,905	621	1,016	233,159	21,788	16,140	320,214
Finished Aviation Gasoline .....	803	988	1,535	—	—	3,326	64	322	3,869
Kerosene-Type Jet Fuel .....	17,001	179,427	123,471	1,584	—	321,483	11,314	158,273	623,784
Kerosene .....	0	2,999	0	147	—	3,146	2	8	5,464
Distillate Fuel Oil .....	67,317	538,693	397,417	31,600	10,024	1,045,051	72,204	161,589	1,773,781
15 ppm sulfur and under .....	67,315	526,056	352,296	30,564	10,024	986,255	72,144	152,728	1,706,479
Greater than 15 ppm to 500 ppm sulfur .....	2	5,173	28,379	857	—	34,411	38	3,823	38,468
Greater than 500 ppm sulfur .....	—	7,464	16,742	179	—	24,385	22	5,038	28,834
Residual Fuel Oil .....	3,205	24,885	16,923	-204	307	45,116	4,102	27,813	98,826
Less than 0.31 percent sulfur .....	2,985	—	6,744	—	—	9,729	2,211	578	13,873
0.31 to 1.00 percent sulfur .....	-20	8,022	4,099	-204	—	11,897	291	7,949	31,259
Greater than 1.00 percent sulfur .....	240	16,863	6,080	—	307	23,490	1,600	19,286	53,694
Petrochemical Feedstocks .....	1,086	38,847	28,269	19	488	68,709	538	984	80,583
Naphtha for Petro. Feed. Use .....	1,007	25,034	15,819	19	—	41,879	—	—	47,781
Other Oils for Petro. Feed. Use .....	79	13,813	12,450	—	488	26,830	538	984	32,802
Special Naphthas .....	605	7,356	—	2,513	—	10,474	—	280	10,574
Lubricants .....	128	18,458	16,272	9,262	—	44,120	—	3,913	54,457
Waxes .....	—	471	694	235	—	1,400	—	—	1,723
Petroleum Coke .....	4,301	98,369	62,852	1,996	232	167,750	8,229	44,816	294,940
Marketable .....	1,727	77,512	50,317	1,809	—	131,365	5,701	34,318	224,358
Catalyst .....	2,574	20,857	12,535	187	232	36,385	2,528	10,498	70,582
Asphalt and Road Oil .....	2,527	4,541	6,190	11,435	483	25,176	11,429	9,413	119,405
Still Gas .....	8,213	70,789	43,202	3,802	829	126,835	7,716	42,186	239,386
Miscellaneous Products .....	1,501	11,830	5,800	207	83	19,421	702	4,539	31,182
<b>Total .....</b>	<b>141,951</b>	<b>1,249,359</b>	<b>852,375</b>	<b>70,204</b>	<b>14,473</b>	<b>2,328,362</b>	<b>171,337</b>	<b>500,502</b>	<b>4,064,474</b>
Processing Gain(-) or Loss(+) .....	-7,869	-119,696	-84,556	-1,244	-848	-214,213	-9,173	-57,150	-373,358

— = 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, 2023**  
(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>12,521</b>	–	<b>12,521</b>	<b>299</b>	<b>1,048</b>	<b>3,847</b>	<b>5,194</b>
Natural Gas Liquids .....	12,521	–	12,521	299	1,048	3,847	5,194
Normal Butane .....	9,339	–	9,339	272	931	2,584	3,787
Isobutane .....	–	–	–	–	–	–	–
Natural Gasoline .....	3,182	–	3,182	27	117	1,263	1,407
<b>Other Liquids</b> .....	<b>1,066,936</b>	<b>69,116</b>	<b>1,136,052</b>	<b>525,817</b>	<b>100,232</b>	<b>156,463</b>	<b>782,512</b>
Oxygenates/Renewables .....	114,082	7,704	121,786	55,287	12,183	18,076	85,546
Biofuels (including Fuel Ethanol) .....	114,082	7,704	121,786	55,287	12,183	18,076	85,546
Fuel Ethanol .....	109,861	6,890	116,751	53,970	11,031	17,406	82,407
Biodiesel .....	4,167	814	4,981	1,317	1,152	670	3,139
Renewable Diesel Fuel .....	54	–	54	–	–	–	–
Other Biofuels <sup>1</sup> .....	–	–	–	–	–	–	–
Unfinished Oils (net) .....	–	–	–	6	–	7	13
Naphthas and Lighter .....	–	–	–	–	–	–	–
Kerosene and Light Gas Oils .....	–	–	–	–	–	–	–
Heavy Gas Oils .....	–	–	–	6	–	7	13
Residuum .....	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net) .....	952,854	61,412	1,014,266	470,524	88,049	138,380	696,953
Reformulated - RBOB .....	258,931	–	258,931	81,350	14,092	9,004	104,446
Conventional .....	693,923	61,412	755,335	389,174	73,957	129,376	592,507
CBOB .....	573,754	61,412	635,166	389,038	72,144	129,376	590,558
GTAB .....	33,830	–	33,830	–	–	–	–
Other .....	86,339	–	86,339	136	1,813	–	1,949
Aviation Gasoline Blend. Comp. (net) .....	–	–	–	–	–	–	–
<b>Total Input</b> .....	<b>1,079,457</b>	<b>69,116</b>	<b>1,148,573</b>	<b>526,116</b>	<b>101,280</b>	<b>160,310</b>	<b>787,706</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>504</b>	<b>39,889</b>	<b>2,329</b>	<b>437</b>	<b>33</b>	<b>43,192</b>	<b>985</b>	<b>447</b>	<b>62,339</b>
Natural Gas Liquids .....	504	39,889	2,329	437	33	43,192	985	447	62,339
Normal Butane .....	450	6,193	2,329	412	33	9,417	570	447	23,560
Isobutane .....	–	–	–	–	–	–	19	–	19
Natural Gasoline .....	54	33,696	–	25	–	33,775	396	–	38,760
<b>Other Liquids</b> .....	<b>224,173</b>	<b>96,747</b>	<b>33,294</b>	<b>104,139</b>	<b>15,463</b>	<b>473,816</b>	<b>74,474</b>	<b>499,876</b>	<b>2,966,730</b>
Oxygenates/Renewables .....	22,987	10,743	3,564	11,467	1,704	50,465	8,042	57,767	323,606
Biofuels (including Fuel Ethanol) .....	22,987	10,743	3,564	11,467	1,704	50,465	8,042	57,767	323,606
Fuel Ethanol .....	22,708	9,900	3,564	11,216	1,624	49,012	7,890	52,253	308,313
Biodiesel .....	279	843	–	251	80	1,453	152	4,086	13,811
Renewable Diesel Fuel .....	–	–	–	–	–	–	–	1,428	1,482
Other Biofuels <sup>1</sup> .....	–	–	–	–	–	–	–	–	–
Unfinished Oils (net) .....	–	97	-14	–	–	83	–	–	96
Naphthas and Lighter .....	–	–	–	–	–	–	–	–	–
Kerosene and Light Gas Oils .....	–	–	–	–	–	–	–	–	–
Heavy Gas Oils .....	–	97	-14	–	–	83	–	–	96
Residuum .....	–	–	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net) .....	201,186	85,907	29,744	92,672	13,759	423,268	66,432	442,109	2,643,028
Reformulated - RBOB .....	80,874	65,206	–	77	–	146,157	4,012	317,447	830,993
Conventional .....	120,312	20,701	29,744	92,595	13,759	277,111	62,420	124,662	1,812,035
CBOB .....	120,312	-25,402	21,140	92,595	13,420	222,065	62,408	119,340	1,629,537
GTAB .....	–	–	–	–	–	–	–	–	33,830
Other .....	–	46,103	8,604	–	339	55,046	12	5,322	148,668
Aviation Gasoline Blend. Comp. (net) .....	–	–	–	–	–	–	–	–	–
<b>Total Input</b> .....	<b>224,677</b>	<b>136,636</b>	<b>35,623</b>	<b>104,576</b>	<b>15,496</b>	<b>517,008</b>	<b>75,459</b>	<b>500,323</b>	<b>3,029,069</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, 2023**  
(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 .....	1,075,317	68,346	1,143,663	525,015	100,138	159,624	784,777
Reformulated .....	417,827	524	418,351	94,701	17,617	10,007	122,325
Reformulated Blended with Fuel Ethanol .....	417,798	524	418,322	94,701	17,607	10,007	122,315
Reformulated Other .....	29	-	29	-	10	-	10
Conventional .....	657,490	67,822	725,312	430,314	82,521	149,617	662,452
Conventional Blended with Fuel Ethanol .....	666,440	68,161	734,601	435,989	87,857	150,202	674,048
Ed55 and Lower .....	665,469	68,160	733,629	435,701	87,291	148,453	671,445
Greater than Ed55 .....	971	1	972	288	566	1,749	2,603
Conventional Other .....	-8,950	-339	-9,289	-5,675	-5,336	-585	-11,596
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	-87	-	-87	-335	-6	-10	-351
Kerosene .....	-124	-	-124	-	-	-	-
Distillate Fuel Oil .....	4,522	770	5,292	1,418	1,153	648	3,219
15 ppm sulfur and under .....	4,431	770	5,201	1,418	1,153	634	3,205
Greater than 15 ppm to 500 ppm sulfur .....	274	-	274	-	-	1,302	1,302
Greater than 500 ppm sulfur .....	-183	-	-183	-	-	-1,288	-1,288
Residual Fuel Oil .....	-199	-	-199	-	-	-3	-3
Less than 0.31 percent sulfur .....	-171	-	-171	-	-	-	-
0.31 to 1.00 percent sulfur .....	-	-	-	-	-	-3	-3
Greater than 1.00 percent sulfur .....	-28	-	-28	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	36	-	36	6	6	44	56
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>1,079,465</b>	<b>69,116</b>	<b>1,148,581</b>	<b>526,104</b>	<b>101,291</b>	<b>160,303</b>	<b>787,698</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-8	0	-8	12	-11	7	8

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 .....	224,392	135,684	35,637	104,328	15,418	515,459	75,419	495,364	3,014,682
Reformulated .....	88,938	82,432	-	-	-	171,370	4,655	357,958	1,074,659
Reformulated Blended with Fuel Ethanol .....	88,909	82,415	-	-	-	171,324	4,655	357,958	1,074,574
Reformulated Other .....	29	17	-	-	-	46	-	-	85
Conventional .....	135,454	53,252	35,637	104,328	15,418	344,089	70,764	137,406	1,940,023
Conventional Blended with Fuel Ethanol .....	135,914	14,558	35,424	110,195	16,185	312,276	71,849	158,130	1,950,904
Ed55 and Lower .....	135,807	14,545	35,424	109,969	16,173	311,918	71,601	157,972	1,946,565
Greater than Ed55 .....	107	13	-	226	12	358	248	158	4,339
Conventional Other .....	-460	38,694	213	-5,867	-767	31,813	-1,085	-20,724	-10,881
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	1	373	85	-	-1	458	949	10	979
Kerosene .....	-	-374	7	-	-	-367	-	1	-490
Distillate Fuel Oil .....	280	-298	-91	253	80	224	-915	4,951	12,771
15 ppm sulfur and under .....	280	-339	-91	253	80	183	-915	4,909	12,583
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-	-	-	1,576
Greater than 500 ppm sulfur .....	-	41	-	-	-	41	-	42	-1,388
Residual Fuel Oil .....	-	229	73	-	-	302	-	1	101
Less than 0.31 percent sulfur .....	-	-	-	-	-	-	-	14	-157
0.31 to 1.00 percent sulfur .....	-	-	-	-	-	-	-	-36	-39
Greater than 1.00 percent sulfur .....	-	229	73	-	-	302	-	23	297
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	0	-	-87	-	-	-87	-	-	5
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>224,673</b>	<b>135,614</b>	<b>35,624</b>	<b>104,581</b>	<b>15,497</b>	<b>515,989</b>	<b>75,453</b>	<b>500,327</b>	<b>3,028,048</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	4	1,022	-1	-5	-1	1,019	6	-4	1,021

- = 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, 2023**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>5,032</b>	<b>769</b>	<b>5,801</b>	<b>8,808</b>	<b>2,488</b>	<b>1,734</b>	<b>13,030</b>
<b>Petroleum Products</b> .....	<b>10,189</b>	<b>2,075</b>	<b>12,264</b>	<b>29,717</b>	<b>7,295</b>	<b>11,418</b>	<b>48,430</b>
Hydrocarbon Gas Liquids .....	667	24	691	2,228	404	1,253	3,885
Natural Gas Liquids .....	520	24	544	1,872	366	1,238	3,476
Ethane .....	—	—	—	—	—	—	—
Propane .....	105	3	108	503	40	568	1,111
Normal Butane .....	350	7	357	963	272	147	1,382
Isobutane .....	65	14	79	269	54	261	584
Natural Gasoline .....	—	—	—	137	—	262	399
Refinery Olefins .....	147	0	147	356	38	15	409
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	138	0	138	325	38	7	370
Normal Butylene .....	0	0	0	31	0	8	39
Isobutylene .....	9	0	9	0	0	0	0
Biofuels/Other Hydrocarbons .....	88	90	178	50	65	26	141
Biofuels (including Fuel Ethanol) .....	88	90	178	37	65	26	128
Fuel Ethanol .....	88	82	170	33	51	22	106
Biodiesel .....	—	8	8	4	14	4	22
Renewable Diesel Fuel .....	—	—	—	—	—	—	—
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	13	—	—	13
Unfinished Oils .....	3,168	362	3,530	7,298	1,407	3,675	12,380
Naphthas and Lighter .....	850	221	1,071	1,711	330	855	2,896
Kerosene and Light Gas Oils .....	396	—	396	1,788	636	432	2,856
Heavy Gas Oils .....	1,546	138	1,684	2,878	441	1,551	4,870
Residuum .....	376	3	379	921	—	837	1,758
Motor Gasoline Blending Components (MGBC) .....	2,876	299	3,175	8,614	2,153	3,340	14,107
Reformulated - RBOB .....	1,045	—	1,045	813	—	—	813
Conventional .....	1,831	299	2,130	7,801	2,153	3,340	13,294
CBOB .....	48	254	302	3,088	1,390	2,438	6,916
GTAB .....	—	—	—	—	—	—	—
Other .....	1,783	45	1,828	4,713	763	902	6,378
Aviation Gasoline Blending Components .....	—	—	—	—	—	—	—
Finished Motor Gasoline .....	—	34	34	362	106	265	733
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	—	34	34	362	106	265	733
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	—	34	34	362	106	265	733
Finished Aviation Gasoline .....	—	—	—	—	10	—	10
Kerosene-Type Jet Fuel .....	414	—	414	1,548	280	324	2,152
Kerosene .....	61	7	68	147	—	35	182
Distillate Fuel Oil .....	1,356	313	1,669	4,271	1,256	1,810	7,337
15 ppm sulfur and under .....	1,061	215	1,276	4,116	1,192	1,714	7,022
Greater than 15 ppm to 500 ppm sulfur .....	119	89	208	—	—	51	51
Greater than 500 ppm sulfur .....	176	9	185	155	64	45	264
Residual Fuel Oil .....	703	17	720	642	164	84	890
Less than 0.31 percent sulfur .....	168	15	183	110	—	—	110
0.31 to 1.00 percent sulfur .....	262	2	264	97	77	27	201
Greater than 1.00 percent sulfur .....	273	—	273	435	87	57	579
Petrochemical Feedstocks .....	—	7	7	577	—	—	577
Naphtha for Petro. Feed. Use .....	—	—	—	452	—	—	452
Other Oils for Petro. Feed. Use .....	—	7	7	125	—	—	125
Special Naphthas .....	—	27	27	80	—	18	98
Lubricants .....	676	238	914	—	—	211	211
Waxes .....	—	307	307	—	—	65	65
Petroleum Coke .....	—	—	—	1,647	275	56	1,978
Marketable .....	—	—	—	1,647	275	56	1,978
Catalyst .....	—	—	—	—	—	—	—
Asphalt and Road Oil .....	165	305	470	2,167	1,141	248	3,556
Miscellaneous Products .....	15	45	60	86	34	8	128
<b>Total Stocks, All Oils</b> .....	<b>15,221</b>	<b>2,844</b>	<b>18,065</b>	<b>38,525</b>	<b>9,783</b>	<b>13,152</b>	<b>61,460</b>

See footnotes at end of table.

**Table 22. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, 2023**  
(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>1,912</b>	<b>24,374</b>	<b>16,983</b>	<b>1,153</b>	<b>231</b>	<b>44,653</b>	<b>2,535</b>	<b>20,512</b>	<b>86,531</b>
<b>Petroleum Products</b>	<b>11,735</b>	<b>60,411</b>	<b>40,496</b>	<b>4,217</b>	<b>1,101</b>	<b>117,960</b>	<b>11,358</b>	<b>46,831</b>	<b>236,843</b>
Hydrocarbon Gas Liquids	2,955	1,792	974	15	40	5,776	505	1,490	12,347
Natural Gas Liquids	2,683	1,502	848	14	40	5,087	403	1,468	10,978
Ethane	15	2	—	—	—	17	—	—	17
Propane	779	302	63	3	4	1,151	38	127	2,535
Normal Butane	1,561	929	403	7	29	2,929	238	927	5,833
Isobutane	328	233	243	4	7	815	118	411	2,007
Natural Gasoline	—	36	139	—	—	175	9	3	586
Refinery Olefins	272	290	126	1	0	689	102	22	1,369
Ethylene	0	0	—	—	—	0	—	—	0
Propylene	269	47	65	1	0	382	1	18	909
Normal Butylene	3	242	60	0	0	305	101	4	449
Isobutylene	0	1	1	0	0	2	0	0	11
Biofuels/Other Hydrocarbons	47	1,015	131	15	3	1,211	101	1,146	2,777
Biofuels (including Fuel Ethanol)	47	1,015	131	15	3	1,211	101	1,146	2,764
Fuel Ethanol	33	977	97	13	2	1,122	93	223	1,714
Biodiesel	14	38	34	2	1	89	8	9	136
Renewable Diesel Fuel	—	—	—	—	—	—	—	914	914
Other Biofuels <sup>1</sup>	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	13
Unfinished Oils	2,856	23,715	13,818	1,155	512	42,056	3,042	18,269	79,277
Naphthas and Lighter	955	6,082	1,764	259	118	9,178	646	2,675	16,466
Kerosene and Light Gas Oils	673	4,749	1,566	265	149	7,402	640	3,204	14,498
Heavy Gas Oils	587	8,620	7,861	548	245	17,861	1,343	8,678	34,436
Residuum	641	4,264	2,627	83	—	7,615	413	3,712	13,877
Motor Gasoline Blending Components (MGBC)	3,058	12,847	10,945	326	285	27,461	3,316	12,793	60,852
Reformulated - RBOB	172	1,247	281	—	16	1,716	—	4,840	8,414
Conventional	2,886	11,600	10,664	326	269	25,745	3,316	7,953	52,438
CBOB	1,583	3,945	5,971	258	68	11,825	1,709	2,185	22,937
GTAB	—	—	—	—	—	—	—	—	—
Other	1,303	7,655	4,693	68	201	13,920	1,607	5,768	29,501
Aviation Gasoline Blending Components	24	—	6	—	—	30	—	—	30
Finished Motor Gasoline	134	2,147	1,010	34	—	3,325	911	714	5,717
Reformulated	—	—	—	—	—	—	—	17	17
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	17	17
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	134	2,147	1,010	34	—	3,325	911	697	5,700
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	56	—	56
Ed55 and Lower	—	—	—	—	—	—	56	—	56
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	134	2,147	1,010	34	—	3,325	855	697	5,644
Finished Aviation Gasoline	33	223	150	—	—	406	7	173	596
Kerosene-Type Jet Fuel	394	3,021	2,500	93	—	6,008	453	2,952	11,979
Kerosene	29	130	1	5	—	165	2	3	420
Distillate Fuel Oil	1,292	7,293	5,217	513	106	14,421	2,003	5,116	30,546
15 ppm sulfur and under	1,272	6,356	4,068	354	106	12,156	1,805	4,385	26,644
Greater than 15 ppm to 500 ppm sulfur	19	135	431	34	—	619	94	265	1,237
Greater than 500 ppm sulfur	1	802	718	125	—	1,646	104	466	2,665
Residual Fuel Oil	220	2,061	831	9	67	3,188	203	1,690	6,691
Less than 0.31 percent sulfur	18	—	22	—	—	40	24	20	377
0.31 to 1.00 percent sulfur	41	520	222	9	—	792	4	378	1,639
Greater than 1.00 percent sulfur	161	1,541	587	—	67	2,356	175	1,292	4,675
Petrochemical Feedstocks	75	1,481	452	3	22	2,033	—	—	2,617
Naphtha for Petro. Feed. Use	68	909	411	3	—	1,391	—	—	1,843
Other Oils for Petro. Feed. Use	7	572	41	—	22	642	—	—	774
Special Naphthas	88	581	—	212	—	881	—	15	1,021
Lubricants	44	2,201	2,399	932	—	5,576	—	662	7,363
Waxes	—	115	95	74	—	284	—	—	656
Petroleum Coke	47	1,378	1,300	—	—	2,725	132	1,087	5,922
Marketable	47	1,378	1,300	—	—	2,725	132	1,087	5,922
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	366	148	563	830	65	1,972	663	659	7,320
Miscellaneous Products	73	263	104	1	1	442	20	62	712
<b>Total Stocks, All Oils</b>	<b>13,647</b>	<b>84,785</b>	<b>57,479</b>	<b>5,370</b>	<b>1,332</b>	<b>162,613</b>	<b>13,893</b>	<b>67,343</b>	<b>323,374</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) Form EIA-810, "Monthly Refinery Report."



**Table 23. Percent Yield of Petroleum Products by PAD and Refining Districts, 2023**

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 .....	3.0	1.2	2.7	3.4	1.0	2.1	2.8
Finished Motor Gasoline <sup>1</sup> .....	46.5	36.9	45.3	52.0	48.9	50.2	51.2
Finished Aviation Gasoline <sup>2</sup> .....	-	-	-	-	0.1	-	0.0
Kerosene-Type Jet Fuel .....	12.9	-	11.3	8.6	5.8	3.9	7.2
Kerosene .....	0.5	0.1	0.5	0.1	-	0.1	0.1
Distillate Fuel Oil <sup>3</sup> .....	27.9	26.1	27.6	26.6	31.0	38.0	29.6
Residual Fuel Oil .....	4.1	0.2	3.6	0.9	1.1	0.6	0.9
Naphtha for Petro. Feed. Use .....	-	-	-	0.7	-	-	0.4
Other Oils for Petro. Feed. Use .....	-	0.5	0.1	0.5	-	-	0.3
Special Naphthas .....	-	0.2	0.0	-0.1	-	0.1	0.0
Lubricants .....	0.8	6.6	1.6	-	-	0.7	0.2
Waxes .....	-	-0.2	0.0	-	-	0.1	0.0
Petroleum Coke .....	2.7	0.7	2.5	5.2	5.4	3.4	4.8
Asphalt and Road Oil .....	2.2	23.9	5.0	4.1	9.5	1.4	4.3
Still Gas .....	3.8	1.9	3.6	3.7	3.7	3.9	3.8
Miscellaneous Products .....	0.2	0.7	0.3	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.6	1.4	-3.9	-6.0	-7.2	-4.5	-5.9

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	3.6	5.1	5.0	0.5	0.9	4.8	1.7	1.8	3.7
Finished Motor Gasoline <sup>1</sup> .....	52.1	43.4	43.6	30.0	56.3	43.8	47.6	50.4	46.6
Finished Aviation Gasoline <sup>2</sup> .....	0.3	0.1	0.1	-	-	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel .....	7.7	10.5	10.3	1.8	-	9.9	5.4	19.2	10.5
Kerosene .....	0.0	0.2	0.0	0.2	-	0.1	0.0	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	30.1	31.6	33.0	35.8	36.9	32.2	34.1	19.3	29.7
Residual Fuel Oil .....	1.4	1.5	1.4	-0.2	1.2	1.4	2.0	3.4	1.7
Naphtha for Petro. Feed. Use .....	0.5	1.5	1.3	0.0	-	1.3	-	-	0.8
Other Oils for Petro. Feed. Use .....	0.0	0.8	1.0	-	1.9	0.8	0.3	0.1	0.6
Special Naphthas .....	0.3	0.4	-	2.9	-	0.3	-	0.0	0.2
Lubricants .....	0.1	1.1	1.4	10.5	-	1.4	-	0.5	0.9
Waxes .....	-	0.0	0.1	0.3	-	0.0	-	-	0.0
Petroleum Coke .....	1.9	5.8	5.2	2.3	0.9	5.2	3.9	5.5	5.0
Asphalt and Road Oil .....	1.1	0.3	0.5	13.0	1.8	0.8	5.4	1.1	2.0
Still Gas .....	3.7	4.2	3.6	4.3	3.1	3.9	3.7	5.1	4.0
Miscellaneous Products .....	0.7	0.7	0.5	0.2	0.3	0.6	0.3	0.6	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-3.5	-7.0	-7.0	-1.4	-3.2	-6.6	-4.4	-7.0	-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, 2023**  
(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>1,169</b>	<b>3,174</b>	<b>11,655</b>	<b>15,998</b>
Connecticut .....	-	-	-	-
Delaware .....	204	-	-	204
Florida .....	-	449	5,319	5,768
Georgia .....	-	175	351	526
Maine .....	-	-	-	-
Maryland .....	-	-	61	61
Massachusetts .....	-	-	-	-
New Hampshire .....	-	-	-	-
New Jersey .....	171	2,144	5,183	7,498
New York .....	-	92	484	576
North Carolina .....	-	-	-	-
Pennsylvania .....	794	120	149	1,063
Rhode Island .....	-	-	-	-
South Carolina .....	-	147	108	255
Vermont .....	-	47	-	47
Virginia .....	-	-	-	-
West Virginia .....	-	-	-	-
<b>PAD District 2</b> .....	<b>-</b>	<b>96</b>	<b>1,079</b>	<b>1,175</b>
Illinois .....	-	-	-	-
Indiana .....	-	-	-	-
Michigan .....	-	-	550	550
Minnesota .....	-	31	-	31
North Dakota .....	-	65	529	594
Ohio .....	-	-	-	-
Wisconsin .....	-	-	-	-
<b>PAD District 3</b> .....	<b>445</b>	<b>3,333</b>	<b>14,852</b>	<b>18,630</b>
Alabama .....	-	-	-	-
Louisiana .....	65	2,177	456	2,698
Mississippi .....	-	-	907	907
New Mexico .....	-	-	-	-
Texas .....	380	1,156	13,489	15,025
<b>PAD District 4</b> .....	<b>0</b>	<b>11</b>	<b>11</b>	<b>22</b>
Idaho .....	0	4	11	15
Montana .....	-	7	-	7
<b>PAD District 5</b> .....	<b>1,719</b>	<b>2,565</b>	<b>75</b>	<b>4,359</b>
Alaska .....	-	-	-	-
California .....	1,680	1,291	-	2,971
Hawaii .....	-	-	-	-
Oregon .....	-	-	-	-
Washington .....	39	1,274	75	1,388
<b>U.S. Total</b> .....	<b>3,333</b>	<b>9,179</b>	<b>27,672</b>	<b>40,184</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, 2023**  
(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>217,651</b>	<b>977,447</b>	<b>624,747</b>	<b>94,762</b>	<b>453,829</b>	<b>2,368,436</b>	<b>6,489</b>
<b>Hydrocarbon Gas Liquids</b>	<b>14,229</b>	<b>22,506</b>	<b>9</b>	<b>5,930</b>	<b>18,975</b>	<b>61,649</b>	<b>169</b>
Natural Gas Liquids	10,734	19,448	9	5,929	18,975	55,095	151
Ethane	—	—	—	—	—	—	—
Propane	10,033	12,254	—	5,798	11,145	39,230	107
Normal Butane	640	4,780	9	108	7,518	13,055	36
Isobutane	61	2,397	—	1	312	2,771	8
Natural Gasoline	—	17	—	22	—	39	0
Refinery Olefins	3,495	3,058	—	1	—	6,554	18
Ethylene	—	—	—	—	—	—	—
Propylene	3,495	1,874	—	1	—	5,370	15
Normal Butylene	—	1,184	—	—	—	1,184	3
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>218,292</b>	<b>7,209</b>	<b>168,356</b>	<b>684</b>	<b>43,597</b>	<b>438,138</b>	<b>1,200</b>
Hydrogen/Biofuels/Other Hydrocarbons	6,180	1,102	3,342	129	10,547	21,300	58
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	6,180	1,102	3,342	129	10,547	21,300	58
Fuel Ethanol	249	—	—	—	400	649	2
Biodiesel	5,758	1,102	3,189	129	1,751	11,929	33
Renewable Diesel Fuel	173	—	53	—	8,396	8,622	24
Other Biofuels <sup>3</sup>	—	—	100	—	0	100	0
Other Hydrocarbons	—	—	0	—	—	0	0
Unfinished Oils <sup>1</sup>	25,585	0	149,834	—	20,414	195,833	537
Naphthas and Lighter	7,066	0	428	—	—	7,494	21
Kerosene and Lighter Gas Oils	0	—	—	—	—	0	0
Heavy Gas Oils	8,339	—	76,478	—	17,862	102,679	281
Residuum	10,180	—	72,928	—	2,552	85,660	235
Motor Gasoline Blend.Comp. (MGBC)	186,527	6,107	15,180	555	12,628	220,997	605
Reformulated - RBOB	50,091	—	474	—	777	51,342	141
Conventional	136,436	6,107	14,706	555	11,851	169,655	465
CBOB	21,010	1,296	—	—	1,269	23,575	65
GTAB	39,144	—	396	—	511	40,051	110
Other	76,282	4,811	14,310	555	10,071	106,029	290
Aviation Gasoline Blend. Comp.	—	—	—	—	8	8	0
<b>Finished Petroleum Products</b>	<b>129,979</b>	<b>16,903</b>	<b>44,408</b>	<b>2,163</b>	<b>50,340</b>	<b>243,793</b>	<b>668</b>
Finished Motor Gasoline	34,354	1	1,094	—	7,599	43,048	118
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	34,354	1	1,094	—	7,599	43,048	118
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	34,354	1	1,094	—	7,599	43,048	118
Finished Aviation Gasoline	153	45	—	1	21	220	1
Kerosene-Type Jet Fuel	15,577	—	25	337	30,485	46,424	127
Bonded Aircraft Fuel	1,456	—	—	—	7,363	8,819	24
Other	14,121	—	25	337	23,122	37,605	103
Kerosene	50	20	—	—	—	70	0
Distillate Fuel Oil	51,274	3,176	958	723	5,666	61,797	169
15 ppm sulfur and under	51,040	3,025	941	723	5,654	61,383	168
Bonded	205	—	481	—	—	686	2
Other	50,835	3,025	460	723	5,654	60,697	166
Greater than 15 ppm to 500 ppm sulfur	103	41	—	—	—	144	0
Bonded	—	—	—	—	—	—	—
Other	103	41	—	—	—	144	0
Greater than 500 ppm to 2000 ppm sulfur	131	110	17	—	12	270	1
Bonded	—	—	—	—	—	—	—
Other	131	110	17	—	12	270	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	15,998	1,175	18,630	22	4,359	40,184	110
Less than 0.31 percent sulfur	1,169	—	445	0	1,719	3,333	9
0.31 to 1.00 percent sulfur	3,174	96	3,333	11	2,565	9,179	25
Greater than 1.00 percent sulfur	11,655	1,079	14,852	11	75	27,672	76
Petrochemical Feedstocks	509	1,909	3,276	—	273	5,967	16
Naphtha for Petro. Feed. Use	473	1,071	2,262	—	273	4,079	11
Other Oils for Petro. Feed. Use	36	838	1,014	—	—	1,888	5
Special Naphthas	82	146	6,096	1	216	6,541	18
Lubricants	1,474	2,693	11,597	3	536	16,303	45
Waxes	1,016	202	98	—	147	1,463	4
Petroleum Coke (Marketable)	4	138	2,634	—	—	2,776	8
Asphalt and Road Oil	9,488	7,398	—	1,076	1,038	19,000	52
Miscellaneous Products	—	—	—	—	—	—	—
<b>Total</b>	<b>580,151</b>	<b>1,024,065</b>	<b>837,520</b>	<b>103,539</b>	<b>566,741</b>	<b>3,112,016</b>	<b>8,526</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, 2023**  
(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>376,761</b>	<b>2,466</b>	<b>-</b>	<b>78,883</b>	<b>-</b>	<b>237</b>	<b>237</b>	<b>811</b>	<b>13,902</b>	<b>14,713</b>
Algeria .....	6,782	-	-	15,123	-	-	-	1	2,941	2,942
Angola .....	11,849	372	-	260	-	128	128	-	2,050	2,050
Congo (Brazzaville) .....	2,867	-	-	99	-	-	-	-	-	-
Equatorial Guinea .....	1,029	1,568	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	1,729	-	-	-	-	-	-	-	-	-
Iraq .....	77,860	-	-	36,610	-	-	-	-	-	-
Kuwait .....	7,822	-	-	2,463	-	-	-	-	364	364
Libya .....	29,327	-	-	-	-	-	-	-	-	-
Nigeria .....	55,875	526	-	377	-	75	75	-	1,186	1,186
Saudi Arabia .....	127,305	-	-	23,057	-	-	-	245	6,461	6,706
United Arab Emirates .....	6,145	-	-	894	-	34	34	565	900	1,465
Venezuela .....	48,171	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>1,991,675</b>	<b>52,629</b>	<b>6,554</b>	<b>116,950</b>	<b>-</b>	<b>42,811</b>	<b>42,811</b>	<b>50,531</b>	<b>155,753</b>	<b>206,284</b>
Argentina .....	19,653	-	-	294	-	25	25	-	2,710	2,710
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	972	-	-	50	-	-	-	-	-	-
Bahamas .....	2	-	-	-	-	6,351	6,351	460	5,911	6,371
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	5,102	-	3,684	3,684	662	2,329	2,991
Brazil .....	67,724	-	-	12,241	-	609	609	298	8,617	8,915
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	617	-	-	-	-	-	-	-	-	-
Canada .....	1,418,108	52,461	6,554	7,532	-	4,517	4,517	24,236	20,666	44,902
Chad .....	946	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	854	854	-	491	491
Colombia .....	73,875	-	-	2,570	-	-	-	-	296	296
Denmark .....	-	-	-	-	-	2	2	38	84	122
Ecuador .....	46,883	-	-	3,993	-	-	-	-	-	-
Egypt .....	548	-	-	47	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	439	439	603	3,328	3,931
France .....	-	-	-	1,147	-	2,959	2,959	544	6,516	7,060
Germany .....	-	-	-	12	-	267	267	265	389	654
Guatemala .....	560	-	-	-	-	-	-	-	-	-
India .....	-	-	-	6,431	-	1,001	1,001	551	22,548	23,099
Indonesia .....	-	-	-	134	-	-	-	-	-	-
Italy .....	-	-	-	2,361	-	1,189	1,189	508	11,290	11,798
Korea, South .....	-	-	-	-	-	5,094	5,094	-	6,758	6,758
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	133	133	22	2,371	2,393
Malaysia .....	-	-	-	4,846	-	-	-	-	269	269
Mexico .....	267,468	-	-	50,066	-	-	-	21	445	466
Netherlands .....	385	-	-	2,230	-	4,583	4,583	7,222	13,466	20,688
Norway .....	2,312	-	-	-	-	4,505	4,505	1,322	6,279	7,601
Oman .....	-	-	-	2,934	-	4	4	-	793	793
Portugal .....	-	-	-	1,282	-	322	322	45	7,878	7,923
Qatar .....	1,512	-	-	-	-	-	-	-	-	-
Russia .....	10	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	3,076	-	1,974	1,974	56	12,557	12,613
Sweden .....	-	-	-	202	-	704	704	245	2,430	2,675
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	13,470	168	-	21	-	-	-	-	-	-
United Kingdom .....	13,832	-	-	776	-	1,744	1,744	13,175	4,081	17,256
Vietnam .....	285	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	59,646	0	0	9,504	-	1,851	1,851	258	13,251	13,509
<b>Total</b> .....	<b>2,368,436</b>	<b>55,095</b>	<b>6,554</b>	<b>195,833</b>	<b>-</b>	<b>43,048</b>	<b>43,048</b>	<b>51,342</b>	<b>169,655</b>	<b>220,997</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>222,373</b>	<b>-</b>	<b>-</b>	<b>63,024</b>	<b>-</b>	<b>34</b>	<b>34</b>	<b>810</b>	<b>7,725</b>	<b>8,535</b>

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2023**  
(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>	—	—	—	—	2,276	—	—	—	2,276	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	308	—	—	—	308	—	—
Saudi Arabia	—	—	—	—	1,485	—	—	—	1,485	—	—
United Arab Emirates	—	—	—	—	483	—	—	—	483	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	649	11,929	8,622	100	59,107	144	270	—	59,521	70	220
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	272	—	—	70	—	—	—	70	—	—
Brazil	649	211	—	—	165	—	—	—	165	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	762	—	—	—	762	—	—
Canada	—	3,264	—	0	46,976	67	122	—	47,165	20	67
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	48	—	—	—	—	—	—	—
Colombia	—	—	—	—	1,978	—	—	—	1,978	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	1	69	—	—	70	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	226	52	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	4,231	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	4,421	—	—	—	4,421	0	—
Indonesia	—	—	—	—	—	—	17	—	17	—	—
Italy	—	1,065	—	—	—	—	—	—	—	—	—
Korea, South	—	787	—	—	1,179	—	—	—	1,179	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	51	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	319	—	—	—	319	—	—
Netherlands	—	37	261	—	55	—	117	—	172	—	153
Norway	—	—	—	—	—	—	14	—	14	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	1,767	—	—	—	1,767	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	2,011	—	—	45	—	—	—	45	—	—
Sweden	—	—	—	—	0	—	—	—	0	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	50	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	8,135	0	1,369	8	0	—	1,377	0	0
<b>Total</b>	649	11,929	8,622	100	61,383	144	270	—	61,797	70	220
<b>Persian Gulf<sup>4</sup></b>	—	—	—	—	3,735	—	—	—	3,735	—	—

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2023**  
(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>	—	7,381	57	1,378	584	1,923	3,885	7	—
Algeria	—	—	—	998	257	28	1,283	—	—
Angola	—	35	—	—	3	—	3	—	—
Congo (Brazzaville)	—	—	—	380	126	—	506	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	4	—	—	—	789	789	—	—
Kuwait	—	5,261	—	—	95	824	919	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	3	3	—	—
Saudi Arabia	—	1,345	57	—	—	279	279	7	—
United Arab Emirates	—	736	—	—	103	—	103	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	8	39,043	6,484	1,955	8,595	25,749	36,299	4,072	1,888
Argentina	—	25	—	—	179	—	179	—	227
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	305	137	—	442	—	—
Bahamas	—	—	—	—	20	129	149	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	65	42	—	301	—	301	—	—
Brazil	—	1	63	171	520	1,996	2,687	—	20
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3,980	1,180	65	1,281	3,082	4,428	1,148	890
Chad	—	—	—	—	—	—	—	—	—
China	—	2,492	—	—	92	—	92	—	—
Colombia	—	98	—	—	58	3,868	3,926	—	—
Denmark	—	—	—	—	33	—	33	—	—
Ecuador	—	—	—	—	110	82	192	—	—
Egypt	—	—	—	—	—	—	—	20	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	19	—	19	—	—
France	—	—	49	—	—	—	—	—	199
Germany	—	—	69	—	331	130	461	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	2,766	62	1,101	354	98	1,553	175	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	166	—	—	—	1	1	130	—
Korea, South	8	23,164	4,119	—	—	—	—	887	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	136	—	119	—	440	559	—	—
Mexico	—	36	483	—	29	12,445	12,474	390	552
Netherlands	—	—	318	—	468	596	1,064	123	—
Norway	—	15	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	4	—
Portugal	—	—	—	—	46	109	155	—	—
Qatar	—	—	—	—	—	—	—	55	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	13	121	134	23	—
Sweden	—	—	—	—	284	41	325	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	17	17	—	—
United Kingdom	—	37	—	—	716	32	748	38	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	6,062	99	-186	3,478	2,562	5,854	1,079	0
<b>Total</b>	<b>8</b>	<b>46,424</b>	<b>6,541</b>	<b>3,333</b>	<b>9,179</b>	<b>27,672</b>	<b>40,184</b>	<b>4,079</b>	<b>1,888</b>
<b>Persian Gulf<sup>4</sup></b>	—	7,346	57	—	198	1,892	2,090	62	—

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2023**  
(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>	—	134	84	1,698	—	111,821	488,582	1,032	306	1,339
Algeria	—	—	—	—	—	19,348	26,130	19	53	72
Angola	—	—	—	—	—	2,848	14,697	32	8	40
Congo (Brazzaville)	—	—	—	—	—	605	3,472	8	2	10
Equatorial Guinea	—	—	—	—	—	1,568	2,597	3	4	7
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	1,729	5	—	5
Iraq	—	—	—	—	—	37,403	115,263	213	102	316
Kuwait	—	—	—	—	—	9,007	16,829	21	25	46
Libya	—	—	—	—	—	—	29,327	80	—	80
Nigeria	—	—	—	—	—	2,475	58,350	153	7	160
Saudi Arabia	—	—	—	35	—	32,971	160,276	349	90	439
United Arab Emirates	—	134	—	1,663	—	5,512	11,657	17	15	32
Venezuela	—	—	84	—	—	84	48,255	132	0	132
<b>Non-OPEC</b>	1,463	2,642	18,916	14,605	—	631,759	2,623,434	5,457	1,731	7,187
Argentina	—	772	—	8	—	4,240	23,893	54	12	65
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	492	1,464	3	1	4
Bahamas	—	—	—	—	—	12,871	12,873	0	35	35
Bahrain	—	—	—	745	—	745	745	—	2	2
Belgium	—	—	—	43	—	12,570	12,570	—	34	34
Brazil	—	678	—	—	—	26,239	93,963	186	72	257
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	762	1,379	2	2	4
Canada	1,068	134	17,647	3,616	—	200,573	1,618,681	3,885	550	4,435
Chad	—	—	—	—	—	—	946	3	—	3
China	198	—	—	—	—	4,175	4,175	—	11	11
Colombia	—	419	72	—	—	9,359	83,234	202	26	228
Denmark	—	—	—	—	—	157	157	—	0	0
Ecuador	—	—	—	—	—	4,255	51,138	128	12	140
Egypt	—	—	—	—	—	67	615	2	0	2
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	50	—	4,717	4,717	—	13	13
France	—	—	—	68	—	11,482	11,482	—	31	31
Germany	—	—	—	187	—	5,881	5,881	—	16	16
Guatemala	—	—	—	—	—	—	560	2	—	2
India	—	—	—	—	—	39,508	39,508	—	108	108
Indonesia	—	—	—	1,085	—	1,236	1,236	—	3	3
Italy	—	—	31	75	—	16,816	16,816	—	46	46
Korea, South	3	—	31	3,912	—	45,942	45,942	—	126	126
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	2,526	2,526	—	7	7
Malaysia	34	—	—	—	—	5,895	5,895	—	16	16
Mexico	—	—	—	—	—	64,786	332,254	733	177	910
Netherlands	—	140	74	507	—	30,350	30,735	1	83	84
Norway	—	—	—	—	—	12,135	14,447	6	33	40
Oman	—	132	—	—	—	3,867	3,867	—	11	11
Portugal	—	—	—	—	—	9,682	9,682	—	27	27
Qatar	1	—	—	4,251	—	6,074	7,586	4	17	21
Russia	—	—	—	—	—	—	10	0	—	0
Spain	7	—	367	13	—	20,263	20,263	—	56	56
Sweden	—	4	—	4	—	3,914	3,914	—	11	11
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	206	13,676	37	1	37
United Kingdom	24	25	—	1	—	20,699	34,531	38	57	95
Vietnam	—	—	—	—	—	—	285	1	—	1
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	128	338	694	40	—	48,670	108,316	162	133	296
<b>Total</b>	<b>1,463</b>	<b>2,776</b>	<b>19,000</b>	<b>16,303</b>	<b>—</b>	<b>743,580</b>	<b>3,112,016</b>	<b>6,489</b>	<b>2,037</b>	<b>8,526</b>
<b>Persian Gulf<sup>4</sup></b>	<b>1</b>	<b>134</b>	<b>—</b>	<b>6,694</b>	<b>—</b>	<b>91,712</b>	<b>314,085</b>	<b>609</b>	<b>251</b>	<b>861</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."

Note: A small amount of Russian crude oil entered the United States in November 2023 from the Bahamas. The oil originated in Russia and was exported to the Bahamas prior to the signing of Executive Order 14066 on March 8, 2022.



**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2023**  
(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>108,061</b>	<b>1,811</b>	<b>-</b>	<b>9,584</b>	<b>-</b>	<b>203</b>	<b>203</b>	<b>681</b>	<b>12,145</b>	<b>12,826</b>
Algeria	6,782	-	-	3,905	-	-	-	1	2,289	2,290
Angola	7,314	-	-	260	-	128	128	-	2,050	2,050
Congo (Brazzaville)	1,873	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	1,016	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	2,972	-	-	5,042	-	-	-	-	-	-
Kuwait	1	-	-	-	-	-	-	-	295	295
Libya	15,779	-	-	-	-	-	-	-	-	-
Nigeria	53,087	526	-	377	-	75	75	-	1,000	1,000
Saudi Arabia	18,602	-	-	-	-	-	-	245	6,102	6,347
United Arab Emirates	-	-	-	-	-	-	-	435	409	844
Venezuela	1,651	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>109,590</b>	<b>8,923</b>	<b>3,495</b>	<b>16,001</b>	<b>-</b>	<b>34,151</b>	<b>34,151</b>	<b>49,410</b>	<b>124,291</b>	<b>173,701</b>
Argentina	1,916	-	-	294	-	-	-	-	2,561	2,561
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	6,020	6,020	460	5,258	5,718
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	397	-	3,465	3,465	662	1,560	2,222
Brazil	1,033	-	-	280	-	198	198	137	7,931	8,068
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	44,324	8,923	3,495	2,056	-	3,881	3,881	24,236	13,453	37,689
Chad	946	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	375	375	-	322	322
Colombia	1,512	-	-	2,533	-	-	-	-	210	210
Denmark	-	-	-	-	-	2	2	38	84	122
Ecuador	1	-	-	-	-	-	-	-	-	-
Egypt	548	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	439	439	603	3,328	3,931
France	-	-	-	775	-	2,704	2,704	544	6,516	7,060
Germany	-	-	-	12	-	267	267	265	244	509
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	614	-	233	233	70	16,961	17,031
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	653	-	1,175	1,175	508	10,999	11,507
Korea, South	-	-	-	-	-	-	-	-	129	129
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	133	133	22	2,060	2,082
Malaysia	-	-	-	26	-	-	-	-	192	192
Mexico	25,603	-	-	3,462	-	-	-	-	-	-
Netherlands	2	-	-	1,513	-	4,583	4,583	6,764	13,024	19,788
Norway	2,312	-	-	-	-	4,505	4,505	1,322	6,279	7,601
Oman	-	-	-	-	-	-	-	-	30	30
Portugal	-	-	-	954	-	322	322	45	7,600	7,645
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	10	-	-	-	-	-	-	-	-	-
Spain	-	-	-	1,028	-	1,970	1,970	56	11,921	11,977
Sweden	-	-	-	3	-	579	579	245	2,380	2,625
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	3,498	-	-	21	-	-	-	-	-	-
United Kingdom	5,615	-	-	368	-	1,659	1,659	13,175	3,679	16,854
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	22,270	0	0	1,012	-	1,641	1,641	258	7,570	7,828
<b>Total</b>	<b>217,651</b>	<b>10,734</b>	<b>3,495</b>	<b>25,585</b>	<b>-</b>	<b>34,354</b>	<b>34,354</b>	<b>50,091</b>	<b>136,436</b>	<b>186,527</b>
<b>Persian Gulf<sup>4</sup></b>	<b>21,575</b>	<b>-</b>	<b>-</b>	<b>5,042</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>680</b>	<b>6,806</b>	<b>7,486</b>

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2023**  
(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> .....	-	-	-	-	2,276	-	-	-	2,276	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	308	-	-	-	308	-	-
Saudi Arabia .....	-	-	-	-	1,485	-	-	-	1,485	-	-
United Arab Emirates .....	-	-	-	-	483	-	-	-	483	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	249	5,758	173	-	48,764	103	131	-	48,998	50	153
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	272	-	-	70	-	-	-	70	-	-
Brazil .....	249	90	-	-	5	-	-	-	5	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	762	-	-	-	762	-	-
Canada .....	-	983	-	-	39,009	26	-	-	39,035	-	-
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	1,497	-	-	-	1,497	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	1	69	-	-	70	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	173	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	2,318	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	4,421	-	-	-	4,421	0	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	668	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	19	-	-	-	19	-	-
Netherlands .....	-	-	-	-	55	-	117	-	172	-	153
Norway .....	-	-	-	-	-	-	14	-	14	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	1,767	-	-	-	1,767	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	1,427	-	-	45	-	-	-	45	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	50	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	1,113	8	0	-	1,121	0	0
<b>Total</b> .....	249	5,758	173	-	51,040	103	131	-	51,274	50	153
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	3,735	-	-	-	3,735	-	-

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2023**  
(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> .....	—	7,381	—	998	383	728	2,109	7	—
Algeria .....	—	—	—	998	257	28	1,283	—	—
Angola .....	—	35	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	126	—	126	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	4	—	—	—	418	418	—	—
Kuwait .....	—	5,261	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	3	3	—	—
Saudi Arabia .....	—	1,345	—	—	—	279	279	7	—
United Arab Emirates .....	—	736	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	8,196	82	171	2,791	10,927	13,889	466	36
Argentina .....	—	—	—	—	—	—	—	—	31
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	20	129	149	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	65	—	—	301	—	301	—	—
Brazil .....	—	1	—	171	130	151	452	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	3,309	20	—	254	1,771	2,025	77	5
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	92	—	92	—	—
Colombia .....	—	98	—	—	58	3,868	3,926	—	—
Denmark .....	—	—	—	—	33	—	33	—	—
Ecuador .....	—	—	—	—	110	82	192	—	—
Egypt .....	—	—	—	—	—	—	—	20	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	19	—	19	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	138	—	138	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	2,766	—	—	—	49	49	39	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	166	—	—	—	1	1	130	—
Korea, South .....	—	1,092	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	136	—	—	—	16	16	—	—
Mexico .....	—	36	—	—	8	2,322	2,330	—	—
Netherlands .....	—	—	—	—	332	569	901	88	—
Norway .....	—	15	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	4	—
Portugal .....	—	—	—	—	46	109	155	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	13	—	13	23	—
Sweden .....	—	—	—	—	235	—	235	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	17	17	—	—
United Kingdom .....	—	37	—	—	652	20	672	8	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	475	62	0	350	1,823	2,173	77	0
<b>Total</b> .....	—	15,577	82	1,169	3,174	11,655	15,998	473	36
<b>Persian Gulf<sup>4</sup></b> .....	—	7,346	—	—	—	697	697	7	—

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2023**  
(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>	—	—	84	181	—	36,462	144,523	296	100	396
Algeria	—	—	—	—	—	7,478	14,260	19	20	39
Angola	—	—	—	—	—	2,742	10,056	20	8	28
Congo (Brazzaville)	—	—	—	—	—	126	1,999	5	0	5
Equatorial Guinea	—	—	—	—	—	1,016	1,016	—	3	3
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	5,464	8,436	8	15	23
Kuwait	—	—	—	—	—	5,556	5,557	0	15	15
Libya	—	—	—	—	—	—	15,779	43	—	43
Nigeria	—	—	—	—	—	2,289	55,376	145	6	152
Saudi Arabia	—	—	—	—	—	9,463	28,065	51	26	77
United Arab Emirates	—	—	—	181	—	2,244	2,244	—	6	6
Venezuela	—	—	84	—	—	84	1,735	5	0	5
<b>Non-OPEC</b>	1,016	4	9,404	1,293	—	326,038	435,628	300	893	1,194
Argentina	—	—	—	1	—	2,887	4,803	5	8	13
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	11,887	11,889	0	33	33
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	19	—	6,811	6,811	—	19	19
Brazil	—	—	—	—	—	9,343	10,376	3	26	28
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	762	762	—	2	2
Canada	877	—	8,423	898	—	111,696	156,020	121	306	427
Chad	—	—	—	—	—	—	946	3	—	3
China	113	—	—	—	—	902	902	—	2	2
Colombia	—	—	72	—	—	8,336	9,848	4	23	27
Denmark	—	—	—	—	—	157	157	—	0	0
Ecuador	—	—	—	—	—	262	263	0	1	1
Egypt	—	—	—	—	—	20	568	2	0	2
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	4,562	4,562	—	12	12
France	—	—	—	48	—	10,587	10,587	—	29	29
Germany	—	—	—	129	—	3,373	3,373	—	9	9
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	25,153	25,153	—	69	69
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	31	11	—	14,342	14,342	—	39	39
Korea, South	3	—	—	153	—	1,377	1,377	—	4	4
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	2,215	2,215	—	6	6
Malaysia	1	—	—	—	—	371	371	—	1	1
Mexico	—	—	—	—	—	5,847	31,450	70	16	86
Netherlands	—	—	74	29	—	27,301	27,303	0	75	75
Norway	—	—	—	—	—	12,135	14,447	6	33	40
Oman	—	—	—	—	—	38	38	—	0	0
Portugal	—	—	—	—	—	9,076	9,076	—	25	25
Qatar	—	—	—	—	—	1,767	1,767	—	5	5
Russia	—	—	—	—	—	—	10	0	—	0
Spain	6	—	110	—	—	16,599	16,599	—	45	45
Sweden	—	—	—	2	—	3,444	3,444	—	9	9
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	38	3,536	10	0	10
United Kingdom	—	—	—	—	—	19,648	25,263	15	54	69
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	16	4	694	3	—	15,102	37,370	61	42	104
<b>Total</b>	1,016	4	9,488	1,474	—	362,500	580,151	596	993	1,589
<b>Persian Gulf<sup>4</sup></b>	—	—	—	181	—	24,494	46,069	59	67	126

-- = 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."

Note: A small amount of Russian crude oil entered the United States in November 2023 from the Bahamas. The oil originated in Russia and was exported to the Bahamas prior to the signing of Executive Order 14066 on March 8, 2022.

**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2023**  
(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>977,447</b>	<b>19,448</b>	<b>3,058</b>	<b>0</b>	-	<b>1</b>	<b>1</b>	-	<b>6,107</b>	<b>6,107</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	977,447	19,448	3,058	0	-	1	1	-	6,107	6,107
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	0
<b>Total</b> .....	<b>977,447</b>	<b>19,448</b>	<b>3,058</b>	<b>0</b>	-	<b>1</b>	<b>1</b>	-	<b>6,107</b>	<b>6,107</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, 2023**  
(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> .....	-	1,102	-	-	3,025	41	110	-	3,176	20	45
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	1,102	-	-	3,025	41	110	-	3,176	20	45
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> .....	-	1,102	-	-	3,025	41	110	-	3,176	20	45
<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, 2023**  
(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> .....	-	-	146	-	96	1,079	1,175	1,071	838
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	146	-	96	1,079	1,175	1,071	838
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> .....	-	-	146	-	96	1,079	1,175	1,071	838
<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, 2023**  
(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>	<b>202</b>	<b>138</b>	<b>7,398</b>	<b>2,693</b>	—	<b>46,618</b>	<b>1,024,065</b>	<b>2,678</b>	<b>128</b>	<b>2,806</b>
Argentina	—	—	—	1	—	1	1	—	0	0
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	11	—	11	11	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	191	134	7,398	2,659	—	46,569	1,024,016	2,678	128	2,806
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	19	—	19	19	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	4	—	1	—	5	5	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	1	—	1	1	—	0	0
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	11	0	0	1	—	12	12	0	0	0
<b>Total</b>	<b>202</b>	<b>138</b>	<b>7,398</b>	<b>2,693</b>	—	<b>46,618</b>	<b>1,024,065</b>	<b>2,678</b>	<b>128</b>	<b>2,806</b>
<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, 2023**  
(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>117,121</b>	—	—	<b>58,649</b>	—	<b>34</b>	<b>34</b>	<b>130</b>	<b>1,293</b>	<b>1,423</b>
Algeria	—	—	—	1,492	—	—	—	—	652	652
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	99	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	1,729	—	—	—	—	—	—	—	—	—
Iraq	4,826	—	—	31,568	—	—	—	—	—	—
Kuwait	6,496	—	—	2,463	—	—	—	—	69	69
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	186	186
Saudi Arabia	57,550	—	—	22,133	—	—	—	—	359	359
United Arab Emirates	—	—	—	894	—	34	34	130	27	157
Venezuela	46,520	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>507,626</b>	<b>9</b>	—	<b>91,185</b>	—	<b>1,060</b>	<b>1,060</b>	<b>344</b>	<b>13,413</b>	<b>13,757</b>
Argentina	—	—	—	—	—	25	25	—	149	149
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	50	—	—	—	—	—	—
Bahamas	—	—	—	—	—	21	21	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	3,794	—	219	219	—	429	429
Brazil	11,534	—	—	11,961	—	411	411	161	661	822
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	617	—	—	—	—	—	—	—	—	—
Canada	195,730	9	—	3,389	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	156	156	—	169	169
Colombia	53,087	—	—	37	—	—	—	—	86	86
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	3,369	—	—	—	—	—	—
Egypt	—	—	—	47	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	372	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	124	124
Guatemala	560	—	—	—	—	—	—	—	—	—
India	—	—	—	3,621	—	—	—	162	3,546	3,708
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	1,190	—	14	14	—	291	291
Korea, South	—	—	—	—	—	—	—	—	2,933	2,933
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	311	311
Malaysia	—	—	—	4,689	—	—	—	—	—	—
Mexico	228,550	—	—	44,462	—	—	—	21	445	466
Netherlands	383	—	—	715	—	—	—	—	104	104
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	2,934	—	—	—	—	763	763
Portugal	—	—	—	328	—	—	—	—	278	278
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	1,799	—	4	4	—	636	636
Sweden	—	—	—	199	—	125	125	—	50	50
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	7,443	—	—	—	—	—	—	—	—	—
United Kingdom	8,217	—	—	408	—	85	85	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1,505	0	—	7,722	—	0	0	0	2,438	2,438
<b>Total</b>	<b>624,747</b>	<b>9</b>	—	<b>149,834</b>	—	<b>1,094</b>	<b>1,094</b>	<b>474</b>	<b>14,706</b>	<b>15,180</b>
<b>Persian Gulf<sup>4</sup></b>	<b>70,601</b>	—	—	<b>57,058</b>	—	<b>34</b>	<b>34</b>	<b>130</b>	<b>455</b>	<b>585</b>

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2023**  
(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> .....	-	<b>3,189</b>	<b>53</b>	<b>100</b>	<b>941</b>	-	<b>17</b>	-	<b>958</b>	-	-	-
Argentina .....	-	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	121	-	-	160	-	-	-	160	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	-	-	-	-	-	-
Chad .....	-	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	48	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	481	-	-	-	481	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	53	52	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	1,913	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	17	-	17	-	-	-
Italy .....	-	397	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	86	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	51	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	300	-	-	-	300	-	-	-
Netherlands .....	-	37	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	584	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	0	0	0	-	0	-	0	-	-	-
<b>Total</b> .....	-	<b>3,189</b>	<b>53</b>	<b>100</b>	<b>941</b>	-	<b>17</b>	-	<b>958</b>	-	-	-
<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, 2023**  
(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>	—	—	57	380	3	1,195	1,578	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	3	—	3	—	—
Congo (Brazzaville)	—	—	—	380	—	—	380	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	371	371	—	—
Kuwait	—	—	—	—	—	824	824	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	57	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	25	6,039	65	3,330	13,657	17,052	2,262	1,014
Argentina	—	25	—	—	179	—	179	—	196
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	35	—	—	—	—	—	—
Brazil	—	—	63	—	390	1,845	2,235	—	20
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	871	65	—	146	211	—	47
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	49	—	—	—	—	—	199
Germany	—	—	47	—	193	130	323	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	62	—	354	49	403	136	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	4,119	—	—	—	—	887	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	424	424	—	—
Mexico	—	—	483	—	21	10,123	10,144	390	552
Netherlands	—	—	273	—	136	27	163	35	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	55	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	121	121	—	—
Sweden	—	—	—	—	—	41	41	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	64	12	76	30	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	37	-380	1,993	739	2,352	729	0
<b>Total</b>	—	25	6,096	445	3,333	14,852	18,630	2,262	1,014
<b>Persian Gulf<sup>4</sup></b>	—	—	57	—	—	1,195	1,195	55	—

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2023**  
(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>	—	134	—	1,517	—	63,392	180,513	321	174	495
Algeria	—	—	—	—	—	2,144	2,144	—	6	6
Angola	—	—	—	—	—	3	3	—	0	0
Congo (Brazzaville)	—	—	—	—	—	479	479	—	1	1
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	1,729	5	—	5
Iraq	—	—	—	—	—	31,939	36,765	13	88	101
Kuwait	—	—	—	—	—	3,356	9,852	18	9	27
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	186	186	—	1	1
Saudi Arabia	—	—	—	35	—	22,584	80,134	158	62	220
United Arab Emirates	—	134	—	1,482	—	2,701	2,701	—	7	7
Venezuela	—	—	—	—	—	—	46,520	127	—	127
<b>Non-OPEC</b>	98	2,500	—	10,080	—	149,381	657,007	1,391	409	1,800
Argentina	—	772	—	6	—	1,352	1,352	—	4	4
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	50	50	—	0	0
Bahamas	—	—	—	—	—	21	21	—	0	0
Bahrain	—	—	—	745	—	745	745	—	2	2
Belgium	—	—	—	13	—	4,490	4,490	—	12	12
Brazil	—	678	—	—	—	16,471	28,005	32	45	77
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	617	2	—	2
Canada	—	—	—	—	—	4,527	200,257	536	12	549
Chad	—	—	—	—	—	—	—	—	—	—
China	24	—	—	—	—	397	397	—	1	1
Colombia	—	419	—	—	—	1,023	54,110	145	3	148
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	3,369	3,369	—	9	9
Egypt	—	—	—	—	—	47	47	—	0	0
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	105	105	—	0	0
France	—	—	—	20	—	640	640	—	2	2
Germany	—	—	—	39	—	2,446	2,446	—	7	7
Guatemala	—	—	—	—	—	—	560	2	—	2
India	—	—	—	—	—	7,930	7,930	—	22	22
Indonesia	—	—	—	1,085	—	1,102	1,102	—	3	3
Italy	—	—	—	64	—	1,956	1,956	—	5	5
Korea, South	—	—	—	3,698	—	11,723	11,723	—	32	32
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	311	311	—	1	1
Malaysia	33	—	—	—	—	5,197	5,197	—	14	14
Mexico	—	—	—	—	—	56,797	285,347	626	156	782
Netherlands	—	140	—	455	—	1,922	2,305	1	5	6
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	132	—	—	—	3,829	3,829	—	10	10
Portugal	—	—	—	—	—	606	606	—	2	2
Qatar	—	—	—	3,905	—	3,960	3,960	—	11	11
Russia	—	—	—	—	—	—	—	—	—	—
Spain	1	—	—	13	—	3,158	3,158	—	9	9
Sweden	—	—	—	1	—	416	416	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	7,443	20	—	20
United Kingdom	24	25	—	—	—	648	8,865	23	2	24
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	16	334	—	36	—	13,664	15,169	4	38	42
<b>Total</b>	<b>98</b>	<b>2,634</b>	<b>—</b>	<b>11,597</b>	<b>—</b>	<b>212,773</b>	<b>837,520</b>	<b>1,712</b>	<b>583</b>	<b>2,295</b>
<b>Persian Gulf<sup>4</sup></b>	<b>—</b>	<b>134</b>	<b>—</b>	<b>6,167</b>	<b>—</b>	<b>65,285</b>	<b>135,886</b>	<b>193</b>	<b>179</b>	<b>372</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, 2023**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>PAD District 4</b>										
<b>OPEC</b>	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>94,762</b>	<b>5,929</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>555</b>	<b>555</b>
Canada	94,762	5,929	1	-	-	-	-	-	555	555
Ecuador	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
<b>Total</b>	<b>94,762</b>	<b>5,929</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>555</b>	<b>555</b>
<b>PAD District 5</b>										
<b>OPEC</b>	<b>151,579</b>	<b>655</b>	<b>-</b>	<b>10,650</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>464</b>	<b>464</b>
Algeria	-	-	-	9,726	-	-	-	-	-	-
Angola	4,535	103	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	2,058	552	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	70,062	-	-	-	-	-	-	-	-	-
Kuwait	1,325	-	-	-	-	-	-	-	-	-
Libya	13,548	-	-	-	-	-	-	-	-	-
Nigeria	2,788	-	-	-	-	-	-	-	-	-
Saudi Arabia	51,153	-	-	924	-	-	-	-	-	-
United Arab Emirates	6,145	-	-	-	-	-	-	-	464	464
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>302,250</b>	<b>18,320</b>	<b>-</b>	<b>9,764</b>	<b>-</b>	<b>7,599</b>	<b>7,599</b>	<b>777</b>	<b>11,387</b>	<b>12,164</b>
Argentina	17,737	-	-	-	-	-	-	-	-	-
Australia	972	-	-	-	-	-	-	-	-	-
Brazil	55,157	-	-	-	-	-	-	-	25	25
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	105,845	18,152	-	2,087	-	635	635	-	551	551
China	-	-	-	-	-	323	323	-	-	-
Colombia	19,276	-	-	-	-	-	-	-	-	-
Ecuador	46,882	-	-	624	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	21	21
Indonesia	-	-	-	134	-	-	-	-	-	-
Japan	-	-	-	46	-	214	214	-	724	724
Korea, South	-	-	-	-	-	5,094	5,094	-	3,696	3,696
Malaysia	-	-	-	131	-	-	-	-	77	77
Mexico	13,315	-	-	2,142	-	-	-	-	-	-
Netherlands	-	-	-	2	-	-	-	458	338	796
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	87	-	-	-	-	455	455
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	2,057	2,057
United Kingdom	-	-	-	-	-	-	-	-	402	402
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	42,781	168	-	4,511	-	1,333	1,333	319	3,041	3,360
<b>Total</b>	<b>453,829</b>	<b>18,975</b>	<b>-</b>	<b>20,414</b>	<b>-</b>	<b>7,599</b>	<b>7,599</b>	<b>777</b>	<b>11,851</b>	<b>12,628</b>
<b>Persian Gulf<sup>4</sup></b>	<b>130,197</b>	<b>-</b>	<b>-</b>	<b>924</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>464</b>	<b>464</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, 2023**  
(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>	-	129	-	-	723	-	-	-	723	-	1
Canada	-	129	-	-	723	-	-	-	723	-	1
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	0	-	0
<b>Total</b>	-	129	-	-	723	-	-	-	723	-	1
<b>PAD District 5</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>	400	1,751	8,396	0	5,654	-	12	-	5,666	-	21
Argentina	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	400	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	1,050	-	0	4,219	-	12	-	4,231	-	21
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	256	-	-	-	256	-	-
Korea, South	-	701	-	-	1,179	-	-	-	1,179	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	261	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	0	-	-	-	0	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	8,135	0	0	-	0	-	0	-	0
<b>Total</b>	400	1,751	8,396	0	5,654	-	12	-	5,666	-	21
<b>Persian Gulf<sup>4</sup></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, 2023**  
(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>	—	<b>337</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>22</b>	—	—
Canada	—	337	1	0	11	11	22	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Other	—	0	0	0	0	0	0	—	—
<b>Total</b>	—	<b>337</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>22</b>	—	—
<b>PAD District 5</b>									
<b>OPEC</b>	—	—	—	—	<b>198</b>	—	<b>198</b>	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	95	—	95	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	103	—	103	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>8</b>	<b>30,485</b>	<b>216</b>	<b>1,719</b>	<b>2,367</b>	<b>75</b>	<b>4,161</b>	<b>273</b>	—
Argentina	—	—	—	—	—	—	—	—	—
Australia	—	—	—	305	137	—	442	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Canada	—	334	142	—	920	75	995	—	—
China	—	2,492	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
Germany	—	—	22	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Japan	—	2,779	—	194	96	—	290	—	—
Korea, South	8	22,072	—	—	—	—	—	—	—
Malaysia	—	—	—	119	—	—	119	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	45	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—
Singapore	—	540	—	—	—	—	—	—	—
Sweden	—	—	—	—	49	—	49	—	—
Taiwan	—	304	—	—	—	—	—	273	—
United Kingdom	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Other	0	1,964	7	1,101	1,165	0	2,266	0	—
<b>Total</b>	<b>8</b>	<b>30,485</b>	<b>216</b>	<b>1,719</b>	<b>2,565</b>	<b>75</b>	<b>4,359</b>	<b>273</b>	—
<b>Persian Gulf<sup>4</sup></b>	—	—	—	—	<b>198</b>	—	<b>198</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, 2023**  
(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>	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	—	1,076	3	—	8,777	103,539	260	24	284
Canada	—	—	1,076	3	—	8,777	103,539	260	24	284
Ecuador	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	—	0	0	0	0	0
<b>Total</b>	—	—	1,076	3	—	8,777	103,539	260	24	284
<b>PAD District 5</b>										
<b>OPEC</b>	—	—	—	—	—	11,967	163,546	415	33	448
Algeria	—	—	—	—	—	9,726	9,726	—	27	27
Angola	—	—	—	—	—	103	4,638	12	0	13
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	552	1,581	6	2	4
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	70,062	192	—	192
Kuwait	—	—	—	—	—	95	1,420	4	0	4
Libya	—	—	—	—	—	—	13,548	37	—	37
Nigeria	—	—	—	—	—	—	2,788	8	—	8
Saudi Arabia	—	—	—	—	—	924	52,077	140	3	143
United Arab Emirates	—	—	—	—	—	567	6,712	17	2	18
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	147	—	1,038	536	—	100,945	403,195	828	277	1,105
Argentina	—	—	—	—	—	—	17,737	49	—	49
Australia	—	—	—	—	—	442	1,414	3	1	4
Brazil	—	—	—	—	—	425	55,582	151	1	152
Brunei	—	—	—	—	—	—	—	—	—	—
Canada	—	—	750	56	—	29,004	134,849	290	79	369
China	61	—	—	—	—	2,876	2,876	—	8	8
Colombia	—	—	—	—	—	—	19,276	53	—	53
Ecuador	—	—	—	—	—	624	47,506	128	2	130
Finland	—	—	—	50	—	50	50	—	0	0
Germany	—	—	—	—	—	43	43	—	0	0
Indonesia	—	—	—	—	—	134	134	—	0	0
Japan	—	—	—	—	—	4,309	4,309	—	12	12
Korea, South	—	—	31	61	—	32,842	32,842	—	90	90
Malaysia	—	—	—	—	—	327	327	—	1	1
Mexico	—	—	—	—	—	2,142	15,457	36	6	42
Netherlands	—	—	—	23	—	1,127	1,127	—	3	3
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	9,217	9,217	—	25	25
Sweden	—	—	—	—	—	49	49	—	0	0
Taiwan	85	—	—	—	—	2,719	2,719	—	7	7
United Kingdom	—	—	—	—	—	402	402	—	1	1
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Other	1	—	257	346	—	14,213	56,994	117	41	158
<b>Total</b>	147	—	1,038	536	—	112,912	566,741	1,243	309	1,553
<b>Persian Gulf<sup>4</sup></b>	1	—	—	346	—	1,933	132,130	357	5	362

-- = 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 31. Exports of Crude Oil and Petroleum Products by PAD District, 2023**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>6</b>	<b>37,190</b>	<b>1,449,481</b>	<b>1</b>	<b>3,116</b>	<b>1,489,794</b>	<b>4,082</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>102,985</b>	<b>79,044</b>	<b>775,790</b>	<b>71</b>	<b>20,562</b>	<b>978,453</b>	<b>2,681</b>
Natural Gas Liquids .....	102,985	79,044	775,790	71	20,562	978,453	2,681
Ethane .....	25,755	23,810	122,374	1	3	171,943	471
Propane .....	57,742	1,432	519,480	18	11,845	590,516	1,618
Normal Butane .....	18,986	1,598	130,766	5	8,610	159,965	438
Isobutane .....	7	23	1,193	—	28	1,252	3
Natural Gasoline .....	496	52,181	1,977	47	77	54,777	150
<b>Other Liquids</b> .....	<b>2,629</b>	<b>45,981</b>	<b>124,390</b>	<b>981</b>	<b>6,662</b>	<b>180,643</b>	<b>495</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	1,594	13,650	20,713	669	3,088	39,714	109
Hydrogen .....	—	—	—	—	—	—	—
Biofuels .....	1,594	13,650	20,713	669	3,088	39,714	109
Fuel Ethanol .....	1,555	10,946	18,350	548	2,145	33,544	92
Biodiesel .....	38	2,704	2,363	122	943	6,169	17
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 .....	572	30,630	77,066	271	1,480	110,018	301
Naphthas and Lighter .....	185	29,318	72,356	0	740	102,599	281
Kerosene and Light Gas Oils .....	387	1,312	4,711	271	739	7,419	20
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	464	1,702	26,610	40	2,095	30,911	85
Reformulated .....	5	—	325	—	12	341	1
Conventional .....	459	1,702	26,285	40	2,083	30,570	84
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>20,997</b>	<b>9,503</b>	<b>945,019</b>	<b>199</b>	<b>111,021</b>	<b>1,086,739</b>	<b>2,977</b>
Finished Motor Gasoline .....	770	2,362	283,362	9	11,479	297,981	816
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	770	2,362	283,362	9	11,479	297,981	816
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	1,504	716	52,334	0	8,531	63,085	173
Kerosene .....	52	6	1,243	—	129	1,430	4
Distillate Fuel Oil .....	5,779	732	360,741	0	40,112	407,365	1,116
15 ppm sulfur and under .....	4,851	87	311,609	0	34,075	350,623	961
Greater than 15 ppm to 500 ppm sulfur .....	721	57	33,312	—	1,257	35,346	97
Greater than 500 ppm sulfur .....	207	588	15,820	—	4,780	21,396	59
Residual Fuel Oil .....	2,036	52	37,592	—	6,056	45,735	125
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	573	—	11,674	—	1,748	13,995	38
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	2,690	2,231	33,725	167	2,927	41,740	114
Waxes .....	864	325	257	2	49	1,497	4
Petroleum Coke .....	5,525	2,327	158,761	1	39,627	206,240	565
Asphalt and Road Oil .....	1,027	741	4,661	19	361	6,809	19
Miscellaneous Products .....	178	11	669	0	2	861	2
<b>Total</b> .....	<b>126,617</b>	<b>171,718</b>	<b>3,294,679</b>	<b>1,252</b>	<b>141,361</b>	<b>3,735,628</b>	<b>10,235</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, 2023**  
(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 .....	1	1	-	265	-	1,187	1,187	-	-	-
Australia .....	10,065	3,943	-	17	-	738	738	4	1	5
Bahamas .....	-	621	-	1,934	-	6,628	6,628	-	5,469	5,469
Bahrain .....	-	0	-	0	-	1	1	0	0	0
Belgium .....	-	22,484	-	7,139	-	0	0	-	-	-
Belize .....	-	342	-	-	-	979	979	-	-	-
Brazil .....	20,390	10,273	-	10,665	-	3,919	3,919	0	318	318
Canada .....	124,046	80,474	-	32,686	-	6,165	6,165	-	9,763	9,763
Cayman Islands .....	-	37	-	-	-	201	201	0	0	0
Chile .....	699	13,357	-	590	-	8,090	8,090	1	112	113
China .....	167,445	166,503	-	1,212	-	-	-	-	0	0
Colombia .....	10,575	1,040	-	11,177	-	12,225	12,225	0	0	0
Costa Rica .....	-	1,832	-	117	-	6,519	6,519	1	0	1
Denmark .....	18,752	-	-	56	-	-	-	0	-	0
Dominican Republic .....	8,700	13,753	-	174	-	6,017	6,017	1	51	52
Ecuador .....	-	13,394	-	329	-	10,560	10,560	-	602	602
Egypt .....	-	17,482	-	1	-	-	-	-	-	-
El Salvador .....	0	3,780	-	1	-	5,932	5,932	-	1	1
Finland .....	6,124	3,017	-	1	-	-	-	-	-	-
France .....	54,872	12,233	-	1,694	-	0	0	-	-	-
Germany .....	39,351	440	-	380	-	1	1	-	0	0
Ghana .....	-	2,773	-	0	-	-	-	-	-	-
Gibraltar .....	-	1,650	-	-	-	-	-	-	-	-
Greece .....	-	652	-	-	-	1	1	0	-	0
Guatemala .....	-	4,027	-	48	-	20,666	20,666	0	0	1
Honduras .....	-	6,672	-	43	-	6,503	6,503	-	1	1
Hong Kong .....	434	824	-	261	-	1	1	-	-	-
India .....	61,337	35,602	-	556	-	1	1	-	-	-
Indonesia .....	6,686	34,069	-	3	-	-	-	-	-	-
Ireland .....	13,816	-	-	0	-	0	0	1	-	1
Israel .....	746	2	-	4	-	0	0	-	-	-
Italy .....	67,609	2,900	-	659	-	-	-	0	-	0
Jamaica .....	-	841	-	2	-	2,023	2,023	0	0	0
Japan .....	15,981	173,995	-	6,051	-	305	305	8	-	8
Korea, South .....	147,231	72,443	-	795	-	8	8	1	84	85
Lebanon .....	-	-	-	-	-	0	0	-	-	-
Mexico .....	-	69,595	-	8,238	-	171,431	171,431	319	12,250	12,569
Montenegro .....	-	-	-	-	-	-	-	-	-	-
Morocco .....	-	24,233	-	-	-	-	-	-	-	-
Mozambique .....	-	-	-	1	-	162	162	-	-	-
Netherlands .....	227,663	30,496	-	10,157	-	143	143	0	0	0
New Zealand .....	-	0	-	1	-	0	0	-	-	-
Nicaragua .....	3,815	156	-	0	-	912	912	-	0	0
Nigeria .....	-	5,422	-	1	-	1,267	1,267	-	-	-
Norway .....	10,165	16,782	-	1,105	-	-	-	-	-	-
Pakistan .....	-	-	-	0	-	0	0	-	-	-
Panama .....	11,301	3,501	-	3	-	7,614	7,614	0	336	336
Peru .....	8,099	5,124	-	1,525	-	7,739	7,739	0	682	682
Philippines .....	-	531	-	2	-	136	136	-	-	-
Portugal .....	3,338	3,647	-	-	-	-	-	-	-	-
Puerto Rico .....	-	31	-	109	-	30	30	0	1	1
Romania .....	-	0	-	2	-	-	-	-	-	-
Saudi Arabia .....	0	0	-	19	-	5	5	0	-	0
Serbia (Excludes Kosovo) ..	-	-	-	-	-	-	-	-	-	-
Singapore .....	99,243	18,046	-	1,036	-	299	299	0	29	29
South Africa .....	5,272	8,308	-	21	-	644	644	-	315	315
Spain .....	73,726	10,970	-	590	-	-	-	-	-	-
Switzerland .....	-	2,177	-	640	-	0	0	-	-	-
Taiwan .....	82,298	4,574	-	2,037	-	2	2	0	-	0
Thailand .....	27,604	280	-	16	-	-	-	-	-	-
Trinidad and Tobago .....	-	6	-	3	-	1,986	1,986	-	0	0
Turkiye .....	2,456	15,208	-	0	-	2	2	0	-	0
United Arab Emirates .....	-	279	-	4	-	8	8	0	2	2
United Kingdom .....	105,449	12,668	-	1,594	-	63	63	0	-	0
Venezuela .....	-	2	-	4,849	-	316	316	2	0	2
Other .....	54,505	44,961	-	1,205	-	6,552	6,552	3	553	555
<b>Total .....</b>	<b>1,489,794</b>	<b>978,453</b>	<b>-</b>	<b>110,018</b>	<b>-</b>	<b>297,981</b>	<b>297,981</b>	<b>341</b>	<b>30,570</b>	<b>30,911</b>

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2023**  
(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 .....	0	0	NA	NA	10,183	60	1,869	—	12,113	0	—
Australia .....	1	0	NA	NA	4	—	2	—	6	0	—
Bahamas .....	0	0	NA	NA	3,130	495	2,392	—	6,017	5	—
Bahrain .....	1	—	NA	NA	0	—	—	—	0	—	—
Belgium .....	1	—	NA	NA	3,997	—	—	—	3,997	0	—
Belize .....	45	0	NA	NA	320	328	1	—	649	—	—
Brazil .....	3	—	NA	NA	16,093	766	0	—	16,859	295	—
Canada .....	14,896	5,492	NA	NA	302	2,862	763	—	3,927	509	—
Cayman Islands .....	0	—	NA	NA	1,432	—	—	—	1,432	0	—
Chile .....	2	—	NA	NA	38,446	—	—	—	38,446	2	—
China .....	5	0	NA	NA	12	4	—	—	16	—	—
Colombia .....	1,734	—	NA	NA	5,442	1	0	—	5,443	1	—
Costa Rica .....	2	—	NA	NA	8,089	—	—	—	8,089	2	—
Denmark .....	—	—	NA	NA	810	302	—	—	1,112	—	—
Dominican Republic .....	9	0	NA	NA	4,174	185	2,616	—	6,974	1	—
Ecuador .....	0	—	NA	NA	19,775	1,999	549	—	22,324	—	—
Egypt .....	41	—	NA	NA	0	—	—	—	0	—	—
El Salvador .....	0	—	NA	NA	1,012	3,992	—	—	5,004	1	—
Finland .....	16	—	NA	NA	—	—	0	—	0	—	—
France .....	0	—	NA	NA	7,998	—	—	—	7,998	300	—
Germany .....	1	17	NA	NA	901	—	—	—	901	0	—
Ghana .....	—	—	NA	NA	613	—	—	—	613	—	—
Gibraltar .....	—	—	NA	NA	657	—	—	—	657	—	—
Greece .....	66	—	NA	NA	0	—	—	—	0	—	—
Guatemala .....	0	—	NA	NA	4,780	9,256	396	—	14,432	1	—
Honduras .....	0	—	NA	NA	1,893	4,387	274	—	6,553	3	—
Hong Kong .....	0	—	NA	NA	1	—	—	—	1	0	—
India .....	1,997	0	NA	NA	505	1	0	—	506	—	—
Indonesia .....	0	3	NA	NA	3	—	—	—	3	—	—
Ireland .....	10	—	NA	NA	—	—	—	—	—	—	—
Israel .....	10	—	NA	NA	0	—	—	—	0	1	—
Italy .....	7	1	NA	NA	—	—	—	—	—	—	—
Jamaica .....	614	0	NA	NA	1,056	0	80	—	1,136	0	—
Japan .....	3	—	NA	NA	1	—	—	—	1	1	—
Korea, South .....	2,368	0	NA	NA	16	—	—	—	16	0	—
Lebanon .....	—	—	NA	NA	2	—	—	—	2	—	—
Mexico .....	1,258	2	NA	NA	104,600	630	77	—	105,307	12	—
Montenegro .....	—	—	NA	NA	—	—	—	—	—	—	—
Morocco .....	—	—	NA	NA	1,291	—	—	—	1,291	—	—
Mozambique .....	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands .....	2,722	—	NA	NA	19,267	1,655	984	—	21,906	0	—
New Zealand .....	0	—	NA	NA	0	—	—	—	0	—	—
Nicaragua .....	0	—	NA	NA	1,582	1,937	124	—	3,643	281	—
Nigeria .....	214	—	NA	NA	0	307	—	—	307	0	—
Norway .....	170	4	NA	NA	1,133	—	1	—	1,134	—	—
Pakistan .....	0	—	NA	NA	2	—	—	—	2	—	—
Panama .....	0	0	NA	NA	23,782	1,350	893	—	26,025	2	—
Peru .....	1,124	634	NA	NA	26,248	302	60	—	26,610	0	—
Philippines .....	712	—	NA	NA	0	—	—	—	0	0	—
Portugal .....	—	—	NA	NA	1,018	—	—	—	1,018	—	—
Puerto Rico .....	52	—	NA	NA	1,485	5	—	—	1,489	0	—
Romania .....	0	—	NA	NA	—	—	—	—	—	—	—
Saudi Arabia .....	300	—	NA	NA	18	—	—	—	18	1	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore .....	237	11	NA	NA	2,420	0	4,598	—	7,017	0	—
South Africa .....	—	—	NA	NA	0	—	—	—	0	—	—
Spain .....	59	—	NA	NA	2,157	620	—	—	2,776	—	—
Switzerland .....	21	—	NA	NA	1,759	—	—	—	1,759	—	—
Taiwan .....	8	—	NA	NA	2	—	—	—	2	0	—
Thailand .....	0	—	NA	NA	0	—	—	—	0	—	—
Trinidad and Tobago .....	0	—	NA	NA	979	480	880	—	2,339	—	—
Turkiye .....	—	—	NA	NA	80	—	—	—	80	0	—
United Arab Emirates .....	543	—	NA	NA	2	—	—	—	2	6	—
United Kingdom .....	3,811	0	NA	NA	18,223	—	—	—	18,223	0	—
Venezuela .....	0	—	NA	NA	331	1	—	—	332	—	—
Other .....	481	5	NA	NA	12,597	3,421	4,837	—	20,858	6	—
<b>Total .....</b>	<b>33,544</b>	<b>6,169</b>	<b>NA</b>	<b>NA</b>	<b>350,623</b>	<b>35,346</b>	<b>21,396</b>	<b>—</b>	<b>407,365</b>	<b>1,430</b>	<b>—</b>

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2023**  
(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 .....	—	113	—	1,105	—	253	4	119
Australia .....	—	—	—	0	—	—	7	2,217
Bahamas .....	—	847	—	4,812	—	—	—	—
Bahrain .....	—	0	—	—	—	—	0	116
Belgium .....	—	—	—	403	—	—	0	1,023
Belize .....	—	161	—	—	—	—	0	—
Brazil .....	—	414	—	974	—	—	29	18,606
Canada .....	—	12,727	—	5,674	—	8	1,095	7,683
Cayman Islands .....	—	445	—	0	—	—	0	—
Chile .....	—	3,086	—	1,177	—	—	4	0
China .....	—	0	—	24	—	—	34	26,886
Colombia .....	—	0	—	1	—	34	2	62
Costa Rica .....	—	2,252	—	114	—	—	1	429
Denmark .....	—	—	—	1,474	—	—	0	184
Dominican Republic .....	—	2,428	—	982	—	—	2	1,894
Ecuador .....	—	0	—	0	—	—	1	1,590
Egypt .....	—	—	—	1,350	—	1,243	0	1,801
El Salvador .....	—	1,241	—	—	—	—	0	495
Finland .....	—	—	—	0	—	—	—	—
France .....	—	901	—	270	—	—	1	1,497
Germany .....	—	0	—	50	—	—	22	305
Ghana .....	—	—	—	0	—	—	0	265
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	3,027
Guatemala .....	—	1,304	—	0	—	—	3	4,424
Honduras .....	—	585	—	0	—	—	0	2,966
Hong Kong .....	—	—	—	—	—	—	2	299
India .....	—	1	—	414	—	6,003	16	39,136
Indonesia .....	—	—	—	0	—	—	1	121
Ireland .....	—	—	—	—	—	—	0	1,056
Israel .....	—	1,667	—	—	—	—	0	1,281
Italy .....	—	—	—	—	—	358	1	5,949
Jamaica .....	—	1,535	—	557	—	—	0	365
Japan .....	—	1	—	2	—	—	8	18,631
Korea, South .....	—	1	—	3,263	—	—	3	1,635
Lebanon .....	—	0	—	—	—	—	—	246
Mexico .....	—	18,326	—	2,847	—	861	205	16,196
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	331	—	—	—	5,659
Mozambique .....	—	—	—	—	—	—	—	940
Netherlands .....	—	—	—	7,862	—	—	19	2,756
New Zealand .....	—	0	—	—	—	—	0	484
Nicaragua .....	—	38	—	125	—	—	0	165
Nigeria .....	—	—	—	—	—	—	0	0
Norway .....	—	0	—	—	—	—	0	1,218
Pakistan .....	—	—	—	—	—	—	0	951
Panama .....	—	5,639	—	4,277	—	50	0	805
Peru .....	—	2,534	—	0	—	—	1	61
Philippines .....	—	—	—	—	—	—	1	1,437
Portugal .....	—	—	—	537	—	—	0	878
Puerto Rico .....	—	765	—	0	—	—	0	—
Romania .....	—	—	—	—	—	—	0	138
Saudi Arabia .....	—	1	—	420	—	—	1	110
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	—	0	—	1,352	—	2,082	1	0
South Africa .....	—	—	—	1	—	327	1	833
Spain .....	—	0	—	2	—	47	4	5,585
Switzerland .....	—	—	—	—	—	—	0	—
Taiwan .....	—	—	—	0	—	—	1	2
Thailand .....	—	—	—	0	—	2,591	2	1,505
Trinidad and Tobago .....	—	966	—	65	—	—	0	1
Turkiye .....	—	—	—	4	—	—	1	11,099
United Arab Emirates .....	—	—	—	604	—	—	0	1,652
United Kingdom .....	—	320	—	1	—	—	4	1,064
Venezuela .....	—	1	—	1	—	—	0	—
Other .....	—	4,786	—	4,660	—	138	20	8,393
<b>Total .....</b>	<b>—</b>	<b>63,085</b>	<b>—</b>	<b>45,735</b>	<b>—</b>	<b>13,995</b>	<b>1,497</b>	<b>206,240</b>

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2023**  
(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 .....	165	529	47	15,901	15,902	0	44	44
Australia .....	1	60	4	6,999	17,063	28	19	47
Bahamas .....	25	35	5	26,399	26,399	—	72	72
Bahrain .....	0	2	—	121	121	—	0	0
Belgium .....	154	4,861	12	40,074	40,074	—	110	110
Belize .....	—	7	0	2,182	2,182	—	6	6
Brazil .....	85	4,577	8	67,024	87,415	56	184	239
Canada .....	1,646	3,240	66	186,052	310,098	340	510	850
Cayman Islands .....	13	15	—	2,143	2,143	—	6	6
Chile .....	438	972	0	66,277	66,977	2	182	183
China .....	110	121	7	194,917	362,362	459	534	993
Colombia .....	3	1,163	21	32,905	43,480	29	90	119
Costa Rica .....	449	175	1	19,984	19,984	—	55	55
Denmark .....	—	0	—	2,827	21,579	51	8	59
Dominican Republic .....	489	358	1	33,135	41,836	24	91	115
Ecuador .....	1	672	43	49,516	49,516	—	136	136
Egypt .....	—	2	0	21,919	21,919	—	60	60
El Salvador .....	0	288	—	16,743	16,743	0	46	46
Finland .....	0	5	—	3,039	9,163	17	8	25
France .....	—	654	0	25,549	80,421	150	70	220
Germany .....	34	23	3	2,176	41,527	108	6	114
Ghana .....	—	3	—	3,654	3,654	—	10	10
Gibraltar .....	—	—	—	2,307	2,307	—	6	6
Greece .....	—	4	—	3,749	3,749	—	10	10
Guatemala .....	72	193	32	45,202	45,202	—	124	124
Honduras .....	342	132	0	23,801	23,801	—	65	65
Hong Kong .....	0	10	1	1,399	1,833	1	4	5
India .....	4	1,274	4	85,514	146,851	168	234	402
Indonesia .....	10	54	0	34,264	40,950	18	94	112
Ireland .....	—	0	1	1,068	14,885	38	3	41
Israel .....	0	434	1	3,400	4,145	2	9	11
Italy .....	1	3	0	9,878	77,487	185	27	212
Jamaica .....	19	59	1	7,153	7,153	—	20	20
Japan .....	15	86	40	199,147	215,127	44	546	589
Korea, South .....	2	122	4	80,745	227,976	403	221	625
Lebanon .....	—	6	—	254	254	—	1	1
Mexico .....	1,679	15,237	518	424,280	424,280	—	1,162	1,162
Montenegro .....	—	0	—	0	0	—	0	0
Morocco .....	0	37	—	31,551	31,551	—	86	86
Mozambique .....	—	0	—	1,103	1,103	—	3	3
Netherlands .....	9	279	2	76,352	304,015	624	209	833
New Zealand .....	234	7	0	728	728	—	2	2
Nicaragua .....	—	50	—	5,370	9,185	10	15	25
Nigeria .....	182	1,418	—	8,811	8,811	—	24	24
Norway .....	0	3	0	20,417	30,582	28	56	84
Pakistan .....	—	0	0	954	954	—	3	3
Panama .....	244	372	5	48,874	60,176	31	134	165
Peru .....	0	813	6	46,853	54,951	22	128	151
Philippines .....	0	7	2	2,829	2,829	—	8	8
Portugal .....	—	0	—	6,080	9,417	9	17	26
Puerto Rico .....	84	164	0	2,726	2,726	—	7	7
Romania .....	—	2	—	142	142	—	0	0
Saudi Arabia .....	0	88	0	964	964	0	3	3
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	0	242	0	30,354	129,597	272	83	355
South Africa .....	1	698	—	11,149	16,421	14	31	45
Spain .....	0	106	0	20,138	93,864	202	55	257
Switzerland .....	1	0	—	4,598	4,598	—	13	13
Taiwan .....	2	34	2	6,665	88,963	225	18	244
Thailand .....	10	57	2	4,465	32,069	76	12	88
Trinidad and Tobago .....	1	85	0	5,452	5,452	—	15	15
Turkiye .....	3	503	0	26,901	29,356	7	74	80
United Arab Emirates .....	14	528	0	3,642	3,642	—	10	10
United Kingdom .....	0	53	0	37,802	143,251	289	104	392
Venezuela .....	—	96	—	5,598	5,598	—	15	15
Other .....	267	722	22	93,619	148,125	150	255	407
<b>Total .....</b>	<b>6,809</b>	<b>41,740</b>	<b>861</b>	<b>2,245,834</b>	<b>3,735,628</b>	<b>4,082</b>	<b>6,153</b>	<b>10,235</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, 2023**  
(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>1,032</b>	<b>-9</b>	<b>-</b>	<b>203</b>	<b>-</b>	<b>-4</b>	<b>-4</b>	<b>2</b>	<b>38</b>	<b>40</b>
Algeria .....	19	-	-	41	-	-	-	0	8	8
Angola .....	32	1	-	1	-	0	0	-	6	6
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	3	4	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	0	-	-	-	-	-	-
Iran .....	5	-	-	-	-	-	-	-	-	-
Iraq .....	213	-	-	100	-	0	0	-	-	-
Kuwait .....	21	0	-	7	-	0	0	0	1	1
Libya .....	80	0	-	0	-	-	-	-	-	-
Nigeria .....	153	-13	-	1	-	-3	-3	-	3	3
Saudi Arabia .....	349	0	-	63	-	0	0	1	18	18
United Arab Emirates .....	17	-1	-	2	-	0	0	2	2	4
Venezuela .....	132	0	-	-13	-	-1	-1	0	0	0
<b>Non-OPEC</b> .....	<b>1,375</b>	<b>-2,521</b>	<b>18</b>	<b>32</b>	<b>-</b>	<b>-695</b>	<b>-695</b>	<b>138</b>	<b>343</b>	<b>480</b>
Argentina .....	54	0	-	0	-	-3	-3	-	7	7
Aruba .....	-	0	-	0	-	-2	-2	-	-	-
Australia .....	-25	-11	-	0	-	-2	-2	0	0	0
Bahamas .....	0	-2	-	-5	-	-1	-1	1	1	2
Bahrain .....	-	0	-	0	-	0	0	0	0	0
Belgium .....	-	-62	-	-6	-	10	10	2	6	8
Brazil .....	130	-28	-	4	-	-9	-9	1	23	24
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	2	0	-	-	-	-	-	-	0	0
Canada .....	3,545	-77	18	-69	-	-5	-5	66	30	96
Chad .....	3	-	-	-	-	-	-	-	-	-
China .....	-459	-456	-	-3	-	2	2	-	1	1
Colombia .....	173	-3	-	-24	-	-33	-33	0	1	1
Denmark .....	-51	-	-	0	-	0	0	0	0	0
Dominican Republic .....	-24	-38	-	0	-	-16	-16	0	0	0
Ecuador .....	128	-37	-	10	-	-29	-29	-	-2	-2
Estonia .....	-	-	-	-	-	0	0	-	-	-
Finland .....	-17	-8	-	0	-	1	1	2	9	11
France .....	-150	-34	-	-1	-	8	8	1	18	19
Germany .....	-108	-1	-	-1	-	1	1	1	1	2
Guatemala .....	2	-11	-	0	-	-57	-57	0	0	0
Honduras .....	-	-18	-	0	-	-18	-18	-	0	0
India .....	-168	-98	-	16	-	3	3	2	62	63
Indonesia .....	-18	-93	-	0	-	-	-	-	-	-
Italy .....	-185	-8	-	5	-	3	3	1	31	32
Japan .....	-44	-477	-	-16	-	0	0	0	4	4
Korea, South .....	-403	-198	-	-2	-	14	14	0	18	18
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-22	-	-	-	-	0	0	0	6	7
Malaysia .....	-19	0	-	13	-	0	0	-	1	1
Mexico .....	733	-191	-	115	-	-470	-470	-1	-32	-33
Netherlands .....	-623	-84	-	-22	-	12	12	20	37	57
Norway .....	-22	-46	-	-3	-	12	12	4	17	21
Oman .....	-	-	-	7	-	0	0	-	2	2
Panama .....	-31	-10	-	0	-	-21	-21	0	-1	-1
Portugal .....	-9	-10	-	4	-	1	1	0	22	22
Puerto Rico .....	-	0	-	0	-	0	0	0	0	0
Qatar .....	4	0	-	0	-	0	0	0	0	0
Russia .....	0	-	-	0	-	-	-	-	-	-
Spain .....	-202	-30	-	7	-	5	5	0	34	35
Sweden .....	-51	-55	-	0	-	2	2	1	7	7
Trinidad and Tobago .....	37	0	-	0	-	-5	-5	-	0	0
United Kingdom .....	-251	-35	-	-2	-	5	5	36	11	47
Vietnam .....	-2	-2	-	0	-	0	0	-	-	-
Virgin Islands, U.S. ....	-4	-6	-	0	-	-9	-9	-	-1	-1
Yemen .....	-	0	-	0	-	-	-	-	-	-
Other .....	-548	-392	0	5	-	-94	-94	1	30	30
<b>Total</b> .....	<b>2,407</b>	<b>-2,530</b>	<b>18</b>	<b>235</b>	<b>-</b>	<b>-698</b>	<b>-698</b>	<b>140</b>	<b>381</b>	<b>521</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>609</b>	<b>-1</b>	<b>-</b>	<b>173</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>21</b>	<b>23</b>

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2023**  
(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>	-3	-	-	-	5	-1	-	-	4	0	-
Algeria	-	-	-	-	0	-	-	-	0	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	0	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-	-	0	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	0	-	-	-	-	-	-	-	-	-	-
Kuwait	0	-	-	-	0	-	-	-	0	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-1	-	-	-	1	-1	-	-	0	0	-
Saudi Arabia	-1	-	-	-	4	-	-	-	4	0	-
United Arab Emirates	-1	-	-	-	1	-	-	-	1	0	-
Venezuela	0	-	-	-	-1	0	-	-	-1	-	-
<b>Non-OPEC</b>	-87	16	24	0	-798	-96	-58	-	-951	-4	1
Argentina	0	0	-	-	-28	0	-5	-	-33	0	-
Aruba	0	-	-	-	0	-	-	-	0	0	-
Australia	0	0	-	-	0	-	0	-	0	0	-
Bahamas	0	0	-	-	-9	-1	-7	-	-16	0	-
Bahrain	0	-	-	-	0	-	-	-	0	-	-
Belgium	0	1	-	-	-11	-	-	-	-11	0	-
Brazil	2	1	-	-	-44	-2	0	-	-46	-1	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	2	-	-	-	2	-	-
Canada	-41	-6	-	0	128	-8	-2	-	118	-1	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	-	0	0	0	-	-	0	-	-
Colombia	-5	-	-	-	-9	0	0	-	-9	0	-
Denmark	-	-	-	-	-2	-1	-	-	-3	-	-
Dominican Republic	0	0	-	-	-11	-1	-7	-	-19	0	-
Ecuador	0	-	-	-	-54	-5	-2	-	-61	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	0	-	1	0	-	-	0	-	0	-	-
France	0	-	-	-	-22	-	-	-	-22	-1	-
Germany	0	12	-	-	-2	-	-	-	-2	0	-
Guatemala	0	-	-	-	-13	-25	-1	-	-40	0	-
Honduras	0	-	-	-	-5	-12	-1	-	-18	0	-
India	-5	0	-	-	11	0	0	-	11	0	-
Indonesia	0	0	-	-	0	-	0	-	0	-	-
Italy	0	3	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	1	-	-	-	1	0	-
Korea, South	-6	2	-	-	3	-	-	-	3	0	-
Latvia	-	-	-	-	-2	-	-	-	-2	0	-
Lithuania	-	-	-	-	-1	-	-	-	-1	-	-
Malaysia	0	0	-	-	-	-	-	-	-	-	-
Mexico	-3	0	-	-	-286	-2	0	-	-288	0	-
Netherlands	-7	0	1	-	-53	-5	-2	-	-60	0	0
Norway	0	0	-	-	-3	-	0	-	-3	-	-
Oman	-1	-	-	-	0	-	-	-	0	-	-
Panama	0	0	-	-	-65	-4	-2	-	-71	0	-
Portugal	-	-	-	-	-3	-	-	-	-3	-	-
Puerto Rico	0	-	-	-	-4	0	-	-	-4	0	-
Qatar	0	-	-	-	5	-	-	-	5	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	0	6	-	-	-6	-2	-	-	-7	-	-
Sweden	-1	-	-	-	-3	-	-	-	-3	-	-
Trinidad and Tobago	0	-	-	-	-3	-1	-2	-	-6	-	-
United Kingdom	-10	0	-	-	-50	-	-	-	-50	0	-
Vietnam	-	-	-	-	0	-	-	-	0	-	-
Virgin Islands, U.S.	0	-	-	-	-10	-	-7	-	-17	0	-
Yemen	0	-	-	-	-	-	-	-	-	-	-
Other	-10	-3	22	0	-249	-27	-20	-	-296	-1	1
<b>Total</b>	<b>-90</b>	<b>16</b>	<b>24</b>	<b>0</b>	<b>-792</b>	<b>-96</b>	<b>-58</b>	<b>-</b>	<b>-947</b>	<b>-4</b>	<b>1</b>
<b>Persian Gulf<sup>4</sup></b>	<b>-2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>0</b>	<b>-</b>

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2023**  
(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> .....	-	20	0	8	0	-	0	-6
Algeria .....	-	-	-	4	-	-	-	-
Angola .....	-	0	-	0	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	0	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	-	0	-	2	-	-	-	-
Kuwait .....	-	14	-	3	-	-	0	-2
Libya .....	-	-	-	-	-	-	0	-
Nigeria .....	-	-	-	0	-	-	0	0
Saudi Arabia .....	-	4	0	0	0	-	0	0
United Arab Emirates .....	-	2	-	-1	-	-	0	-4
Venezuela .....	-	0	-	0	-	-	0	-
<b>Non-OPEC</b> .....	0	-66	18	-23	11	-33	0	-551
Argentina .....	-	0	-	-3	-	0	0	2
Aruba .....	-	-2	-	0	-	-	-	-
Australia .....	-	-	-	1	-	-	0	-6
Bahamas .....	-	-2	-	-13	-	-	-	-
Bahrain .....	-	0	-	-	-	-	0	0
Belgium .....	-	0	0	0	-	-	0	-3
Brazil .....	-	-1	0	5	-	0	0	-49
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	0	-	-	-	-1
Canada .....	-	-24	3	-3	3	2	0	-21
Chad .....	-	-	-	-	-	-	-	-
China .....	-	7	-	0	-	-	0	-74
Colombia .....	-	0	-	11	-	0	0	1
Denmark .....	-	-	-	-4	-	-	0	-1
Dominican Republic .....	-	-7	-	-3	-	-	0	-5
Ecuador .....	-	0	-	1	-	-	0	-4
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-	-	-	0	-	-	-	-
France .....	-	-2	0	-1	-	1	0	-4
Germany .....	-	0	0	1	-	-	0	-1
Guatemala .....	-	-4	-	0	-	-	0	-12
Honduras .....	-	-2	-	0	-	-	0	-8
India .....	-	8	0	3	0	-16	0	-107
Indonesia .....	-	-	-	0	-	-	0	0
Italy .....	-	0	-	0	0	-1	0	-16
Japan .....	-	9	0	1	0	-	0	-51
Korea, South .....	0	63	11	-9	2	-	0	-4
Latvia .....	-	-	-	-	-	-	0	-
Lithuania .....	-	-	-	-	-	-	0	-
Malaysia .....	-	0	-	2	-	0	0	-2
Mexico .....	-	-50	1	26	1	-1	-1	-44
Netherlands .....	-	-	1	-19	0	-	0	-7
Norway .....	-	0	-	-	-	-	0	-3
Oman .....	-	-	-	-	0	-	0	-4
Panama .....	-	-15	-	-11	-	0	0	-2
Portugal .....	-	-	-	-1	-	-	0	-2
Puerto Rico .....	-	-2	-	0	-	-	0	-
Qatar .....	-	-	-	0	0	-	0	-1
Russia .....	-	-	-	-	-	-	-	-
Spain .....	-	0	-	0	0	0	0	-15
Sweden .....	-	-2	-	1	-	-	0	0
Trinidad and Tobago .....	-	-3	-	0	-	-	0	0
United Kingdom .....	-	-1	-	2	0	-	0	-3
Vietnam .....	-	0	-	-	-	-	0	0
Virgin Islands, U.S. .....	-	-7	-	-10	-	-	0	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	0	-29	2	0	5	-18	1	-104
<b>Total</b> .....	0	-46	18	-15	11	-33	0	-557
<b>Persian Gulf<sup>4</sup></b> .....	-	20	0	3	0	-	0	-7

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2023**  
(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>-1</b>	<b>0</b>	<b>253</b>	<b>1,285</b>
Algeria .....	—	0	—	53	72
Angola .....	0	0	—	8	40
Congo (Brazzaville) .....	—	—	—	—	—
Equatorial Guinea .....	—	0	—	4	7
Gabon .....	—	0	—	0	0
Iran .....	—	—	—	—	5
Iraq .....	0	0	—	102	316
Kuwait .....	0	0	0	23	45
Libya .....	—	0	—	0	80
Nigeria .....	0	-4	—	-17	136
Saudi Arabia .....	0	0	0	88	436
United Arab Emirates .....	0	3	0	5	22
Venezuela .....	0	0	—	-15	117
<b>Non-OPEC</b> .....	<b>34</b>	<b>-68</b>	<b>-2</b>	<b>-4,368</b>	<b>-2,993</b>
Argentina .....	0	-1	0	-32	22
Aruba .....	—	0	—	-4	-4
Australia .....	0	0	0	-18	-43
Bahamas .....	0	0	0	-37	-37
Bahrain .....	0	2	—	2	2
Belgium .....	0	-13	0	-75	-75
Brazil .....	0	-13	0	-112	18
Brunei .....	—	0	—	0	0
Cameroon .....	—	0	—	1	3
Canada .....	44	1	0	40	3,585
Chad .....	—	0	—	0	3
China .....	0	0	0	-523	-981
Colombia .....	0	-3	0	-65	109
Denmark .....	—	0	—	-7	-59
Dominican Republic .....	-1	-1	0	-91	-115
Ecuador .....	0	-2	0	-124	4
Estonia .....	—	0	—	0	0
Finland .....	0	0	—	5	-12
France .....	—	-2	0	-39	-189
Germany .....	0	0	0	10	-98
Guatemala .....	0	-1	0	-124	-122
Honduras .....	-1	0	0	-65	-65
India .....	0	-3	0	-126	-294
Indonesia .....	0	3	0	-90	-109
Italy .....	0	0	0	19	-166
Japan .....	0	0	0	-530	-574
Korea, South .....	0	10	0	-95	-499
Latvia .....	—	0	—	-2	-2
Lithuania .....	—	0	0	6	-16
Malaysia .....	0	0	0	14	-5
Mexico .....	-5	-42	-1	-985	-252
Netherlands .....	0	1	0	-126	-749
Norway .....	0	0	0	-23	-44
Oman .....	—	0	—	5	5
Panama .....	-1	-1	0	-134	-165
Portugal .....	—	0	—	10	1
Puerto Rico .....	0	0	0	-7	-7
Qatar .....	0	12	—	16	20
Russia .....	—	0	—	0	0
Spain .....	1	0	0	0	-202
Sweden .....	—	0	0	-50	-101
Trinidad and Tobago .....	0	0	0	-14	23
United Kingdom .....	0	0	0	-47	-298
Vietnam .....	0	0	0	-2	-4
Virgin Islands, U.S. .....	0	0	—	-50	-54
Yemen .....	—	0	—	0	0
Other .....	-3	-15	-1	-899	-1,447
<b>Total</b> .....	<b>33</b>	<b>-70</b>	<b>-2</b>	<b>-4,116</b>	<b>-1,709</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>0</b>	<b>17</b>	<b>0</b>	<b>236</b>	<b>845</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, 2023**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>7,201</b>	<b>116,557</b>	<b>582,167</b>	<b>25,827</b>	<b>49,423</b>	<b>781,175</b>
Refinery .....	5,801	13,030	44,653	2,535	20,512	86,531
Tank Farms and Pipelines (Includes Cushing, OK) ....	1,400	103,527	182,830	23,292	23,164	334,213
Cushing, Oklahoma .....	--	34,454	--	--	--	34,454
Leases .....	--	--	--	--	--	--
Strategic Petroleum Reserve <sup>1</sup> .....	--	--	354,684	--	--	354,684
Alaskan In Transit .....	--	--	--	--	5,747	5,747
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> .....	<b>138,749</b>	<b>183,874</b>	<b>385,160</b>	<b>26,457</b>	<b>90,686</b>	<b>824,927</b>
Refinery .....	12,264	48,430	117,960	11,358	46,831	236,843
Bulk Terminal .....	98,139	96,889	206,574	8,223	39,089	448,915
Pipeline .....	28,078	37,531	59,018	6,680	4,380	135,687
Natural Gas Processing Plant .....	268	1,024	1,608	196	386	3,482
<b>Natural Gas Liquids</b> .....	<b>11,135</b>	<b>49,580</b>	<b>149,658</b>	<b>7,075</b>	<b>4,481</b>	<b>221,930</b>
Refinery .....	544	3,476	5,087	403	1,468	10,978
Bulk Terminal .....	8,241	26,879	120,044	1,987	2,627	159,779
Pipeline .....	2,082	18,201	22,919	4,489	--	47,691
Natural Gas Processing Plant .....	268	1,024	1,608	196	386	3,482
<b>Ethane</b> .....	<b>1,226</b>	<b>6,002</b>	<b>57,488</b>	<b>1,080</b>	--	<b>65,796</b>
Refinery .....	--	--	17	--	--	17
Bulk Terminal .....	661	2,491	49,176	--	--	52,328
Pipeline .....	565	3,473	8,272	1,075	--	13,385
Natural Gas Processing Plant .....	--	38	23	5	--	66
<b>Propane</b> .....	<b>7,736</b>	<b>21,912</b>	<b>44,738</b>	<b>3,082</b>	<b>2,172</b>	<b>79,640</b>
Refinery .....	108	1,111	1,151	38	127	2,535
Bulk Terminal .....	6,274	16,222	36,607	1,233	1,936	62,272
Pipeline .....	1,217	4,032	6,871	1,723	--	13,843
Natural Gas Processing Plant .....	137	547	109	88	109	990
<b>Normal Butane</b> .....	<b>1,832</b>	<b>7,942</b>	<b>25,665</b>	<b>1,685</b>	<b>1,832</b>	<b>38,956</b>
Refinery .....	357	1,382	2,929	238	927	5,833
Bulk Terminal .....	1,222	4,962	19,836	739	688	27,447
Pipeline .....	213	1,433	2,654	676	--	4,976
Natural Gas Processing Plant .....	40	165	246	32	217	700
<b>Isobutane</b> .....	<b>138</b>	<b>2,104</b>	<b>7,562</b>	<b>454</b>	<b>447</b>	<b>10,705</b>
Refinery .....	79	584	815	118	411	2,007
Bulk Terminal .....	--	592	5,213	--	--	5,805
Pipeline .....	44	842	1,350	321	--	2,557
Natural Gas Processing Plant .....	15	86	184	15	36	336
<b>Natural Gasoline</b> .....	<b>203</b>	<b>11,620</b>	<b>14,205</b>	<b>774</b>	<b>30</b>	<b>26,833</b>
Refinery .....	--	399	175	9	3	586
Bulk Terminal .....	84	2,612	9,212	15	3	11,927
Pipeline .....	43	8,421	3,772	694	--	12,930
Natural Gas Processing Plant .....	76	188	1,046	56	24	1,390
<b>Refinery Olefins</b> .....	<b>147</b>	<b>409</b>	<b>689</b>	<b>102</b>	<b>22</b>	<b>1,369</b>
Refinery .....	147	409	689	102	22	1,369
<b>Ethylene</b> .....	<b>--</b>	<b>--</b>	<b>0</b>	<b>--</b>	<b>--</b>	<b>0</b>
Refinery .....	--	--	0	--	--	0
<b>Propylene</b> .....	<b>138</b>	<b>370</b>	<b>382</b>	<b>1</b>	<b>18</b>	<b>909</b>
Refinery .....	138	370	382	1	18	909
<b>Normal Butylene</b> .....	<b>0</b>	<b>39</b>	<b>305</b>	<b>101</b>	<b>4</b>	<b>449</b>
Refinery .....	0	39	305	101	4	449
<b>Isobutylene</b> .....	<b>9</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>11</b>
Refinery .....	9	0	2	0	0	11
<b>Other Hydrocarbons</b> .....	<b>--</b>	<b>13</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>13</b>
Refinery .....	--	13	--	--	--	13
<b>Biofuels (Including Fuel Ethanol)<sup>2</sup></b> .....	<b>8,154</b>	<b>11,031</b>	<b>6,474</b>	<b>739</b>	<b>6,707</b>	<b>33,104</b>
Refinery .....	178	128	1,211	101	1,146	2,764
Bulk Terminal .....	7,976	10,903	5,263	638	5,561	30,340
Pipeline .....	--	--	--	--	--	--
<b>Fuel Ethanol</b> .....	<b>6,864</b>	<b>9,894</b>	<b>3,843</b>	<b>359</b>	<b>2,539</b>	<b>23,498</b>
Refinery .....	170	106	1,122	93	223	1,714
Bulk Terminal .....	6,694	9,788	2,721	266	2,316	21,784
Pipeline .....	--	--	--	--	--	--
<b>Biodiesel</b> .....	<b>1,270</b>	<b>992</b>	<b>808</b>	<b>11</b>	<b>733</b>	<b>3,813</b>
Refinery .....	8	22	89	8	9	136
Bulk Terminal .....	1,262	970	719	3	724	3,677
Pipeline .....	--	--	--	--	--	--
<b>Renewable Diesel Fuel</b> .....	<b>20</b>	<b>107</b>	<b>1,665</b>	<b>323</b>	<b>3,363</b>	<b>5,478</b>
Refinery .....	--	--	--	--	914	914
Bulk Terminal .....	20	107	1,665	323	2,449	4,564
Pipeline .....	--	--	--	--	--	--
<b>Other Biofuels<sup>3</sup></b> .....	<b>--</b>	<b>39</b>	<b>158</b>	<b>46</b>	<b>72</b>	<b>314</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	39	158	46	72	314
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2023**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Unfinished Oils</b> .....	<b>3,602</b>	<b>12,404</b>	<b>45,197</b>	<b>3,042</b>	<b>19,933</b>	<b>84,178</b>
<b>Naphthas and Lighter</b> .....	<b>1,071</b>	<b>2,914</b>	<b>9,902</b>	<b>646</b>	<b>2,882</b>	<b>17,415</b>
Refinery .....	1,071	2,896	9,178	646	2,675	16,466
Bulk Terminal .....	—	18	724	—	207	949
<b>Kerosene and Light Gas Oils</b> .....	<b>396</b>	<b>2,856</b>	<b>8,924</b>	<b>640</b>	<b>3,206</b>	<b>16,022</b>
Refinery .....	396	2,856	7,402	640	3,204	14,498
Bulk Terminal .....	—	—	1,522	—	2	1,524
<b>Heavy Gas Oils</b> .....	<b>1,756</b>	<b>4,876</b>	<b>18,686</b>	<b>1,343</b>	<b>10,133</b>	<b>36,794</b>
Refinery .....	1,684	4,870	17,861	1,343	8,678	34,436
Bulk Terminal .....	72	6	825	—	1,455	2,358
<b>Residuum</b> .....	<b>379</b>	<b>1,758</b>	<b>7,685</b>	<b>413</b>	<b>3,712</b>	<b>13,947</b>
Refinery .....	379	1,758	7,615	413	3,712	13,877
Bulk Terminal .....	—	—	70	—	—	70
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	<b>57,700</b>	<b>50,974</b>	<b>80,421</b>	<b>6,636</b>	<b>26,758</b>	<b>222,490</b>
Refinery .....	3,175	14,107	27,461	3,316	12,793	60,852
Bulk Terminal .....	42,426	28,378	34,657	2,227	11,472	119,161
Pipeline .....	12,099	8,489	18,303	1,093	2,493	42,477
<b>Reformulated - RBOB</b> .....	<b>21,114</b>	<b>5,123</b>	<b>10,601</b>	<b>568</b>	<b>13,125</b>	<b>50,531</b>
Refinery .....	1,045	813	1,716	—	4,840	8,414
Bulk Terminal .....	16,778	3,802	4,685	281	6,799	32,345
Pipeline .....	3,291	508	4,200	287	1,486	9,772
<b>Conventional</b> .....	<b>36,586</b>	<b>45,851</b>	<b>69,820</b>	<b>6,068</b>	<b>13,633</b>	<b>171,959</b>
Refinery .....	2,130	13,294	25,745	3,316	7,953	52,438
Bulk Terminal .....	25,648	24,576	29,972	1,946	4,673	86,816
Pipeline .....	8,808	7,981	14,103	806	1,007	32,705
<b>CBOB</b> .....	<b>28,099</b>	<b>37,790</b>	<b>38,241</b>	<b>4,459</b>	<b>7,191</b>	<b>115,780</b>
Refinery .....	302	6,916	11,825	1,709	2,185	22,937
Bulk Terminal .....	18,998	23,063	12,845	1,944	4,007	60,857
Pipeline .....	8,799	7,811	13,571	806	999	31,986
<b>GTAB</b> .....	<b>1,071</b>	<b>—</b>	<b>75</b>	<b>—</b>	<b>—</b>	<b>1,146</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	1,071	—	75	—	—	1,146
Pipeline .....	—	—	—	—	—	—
<b>Other</b> .....	<b>7,416</b>	<b>8,061</b>	<b>31,504</b>	<b>1,609</b>	<b>6,442</b>	<b>55,032</b>
Refinery .....	1,828	6,378	13,920	1,607	5,768	29,501
Bulk Terminal .....	5,579	1,513	17,052	2	666	24,812
Pipeline .....	9	170	532	—	8	719
<b>Aviation Gasoline Blending Components</b> .....	<b>—</b>	<b>—</b>	<b>30</b>	<b>—</b>	<b>—</b>	<b>30</b>
Refinery .....	—	—	30	—	—	30
Bulk Terminal .....	—	—	—	—	—	—
<b>Finished Motor Gasoline</b> .....	<b>2,385</b>	<b>3,878</b>	<b>8,821</b>	<b>1,266</b>	<b>1,877</b>	<b>18,227</b>
Refinery .....	34	733	3,325	911	714	5,717
Bulk Terminal .....	702	1,121	4,988	163	1,133	8,107
Pipeline .....	1,649	2,024	508	192	30	4,403
<b>Reformulated</b> .....	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>17</b>	<b>22</b>
Refinery .....	—	—	—	—	17	17
Bulk Terminal .....	5	—	—	—	—	5
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>17</b>	<b>22</b>
Refinery .....	—	—	—	—	17	17
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>2,380</b>	<b>3,878</b>	<b>8,821</b>	<b>1,266</b>	<b>1,860</b>	<b>18,205</b>
Refinery .....	34	733	3,325	911	697	5,700
Bulk Terminal .....	697	1,121	4,988	163	1,133	8,102
Pipeline .....	1,649	2,024	508	192	30	4,403
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>—</b>	<b>181</b>	<b>—</b>	<b>60</b>	<b>19</b>	<b>260</b>
Refinery .....	—	—	—	56	—	56
Bulk Terminal .....	—	181	—	4	19	204
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>—</b>	<b>181</b>	<b>—</b>	<b>60</b>	<b>—</b>	<b>241</b>
Refinery .....	—	—	—	56	—	56
Bulk Terminal .....	—	181	—	4	—	185
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>19</b>	<b>19</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	19	19
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>2,380</b>	<b>3,697</b>	<b>8,821</b>	<b>1,206</b>	<b>1,841</b>	<b>17,945</b>
Refinery .....	34	733	3,325	855	697	5,644
Bulk Terminal .....	697	940	4,988	159	1,114	7,898
Pipeline .....	1,649	2,024	508	192	30	4,403

See footnotes at end of table.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2023**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Finished Aviation Gasoline</b> .....	<b>149</b>	<b>183</b>	<b>536</b>	<b>7</b>	<b>326</b>	<b>1,201</b>
Refinery .....	—	10	406	7	173	596
Bulk Terminal .....	149	173	130	—	153	605
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>8,590</b>	<b>7,444</b>	<b>13,382</b>	<b>856</b>	<b>9,504</b>	<b>39,776</b>
Refinery .....	414	2,152	6,008	453	2,952	11,979
Bulk Terminal .....	5,010	3,445	2,980	259	5,698	17,392
Pipeline .....	3,166	1,847	4,394	144	854	10,405
<b>Kerosene</b> .....	<b>1,017</b>	<b>200</b>	<b>710</b>	<b>2</b>	<b>9</b>	<b>1,938</b>
Refinery .....	68	182	165	2	3	420
Bulk Terminal .....	769	18	526	—	6	1,319
Pipeline .....	180	—	19	—	—	199
<b>Distillate Fuel Oil<sup>2</sup></b> .....	<b>35,169</b>	<b>32,976</b>	<b>44,969</b>	<b>4,560</b>	<b>12,812</b>	<b>130,486</b>
Refinery .....	1,669	7,337	14,421	2,003	5,116	30,546
Bulk Terminal .....	24,598	18,669	17,673	1,795	6,693	69,428
Pipeline .....	8,902	6,970	12,875	762	1,003	30,512
<b>15 ppm sulfur and Under</b> .....	<b>33,994</b>	<b>32,321</b>	<b>39,623</b>	<b>4,309</b>	<b>11,962</b>	<b>122,209</b>
Refinery .....	1,276	7,022	12,156	1,805	4,385	26,644
Bulk Terminal .....	23,823	18,562	15,180	1,742	6,609	65,916
Pipeline .....	8,895	6,737	12,287	762	968	29,649
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>552</b>	<b>318</b>	<b>1,140</b>	<b>147</b>	<b>265</b>	<b>2,422</b>
Refinery .....	208	51	619	94	265	1,237
Bulk Terminal .....	344	79	429	53	—	905
Pipeline .....	—	188	92	—	—	280
<b>Greater than 500 ppm sulfur</b> .....	<b>623</b>	<b>337</b>	<b>4,206</b>	<b>104</b>	<b>585</b>	<b>5,855</b>
Refinery .....	185	264	1,646	104	466	2,665
Bulk Terminal .....	431	28	2,064	—	84	2,607
Pipeline .....	7	45	496	—	35	583
<b>Residual Fuel Oil</b> .....	<b>4,859</b>	<b>1,179</b>	<b>13,775</b>	<b>203</b>	<b>4,078</b>	<b>24,094</b>
Refinery .....	720	890	3,188	203	1,690	6,691
Bulk Terminal .....	4,139	289	10,587	—	2,388	17,403
Pipeline .....	—	—	—	—	—	—
<b>Less than 0.31% Sulfur</b> .....	<b>434</b>	<b>114</b>	<b>809</b>	<b>24</b>	<b>1,061</b>	<b>2,442</b>
Refinery .....	183	110	40	24	20	377
Bulk Terminal .....	251	4	769	—	1,041	2,065
<b>0.31% to 1.00% Sulfur</b> .....	<b>1,156</b>	<b>385</b>	<b>3,552</b>	<b>4</b>	<b>618</b>	<b>5,715</b>
Refinery .....	264	201	792	4	378	1,639
Bulk Terminal .....	892	184	2,760	—	240	4,076
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>3,269</b>	<b>680</b>	<b>9,414</b>	<b>175</b>	<b>2,399</b>	<b>15,937</b>
Refinery .....	273	579	2,356	175	1,292	4,675
Bulk Terminal .....	2,996	101	7,058	—	1,107	11,262
<b>Petrochemical Feedstocks</b> .....	<b>7</b>	<b>577</b>	<b>2,033</b>	<b>—</b>	<b>—</b>	<b>2,617</b>
Refinery .....	7	577	2,033	—	—	2,617
Naphtha for Petrochemical Feedstock Use .....	—	452	1,391	—	—	1,843
Other Oils for Petrochemical Feedstock Use .....	7	125	642	—	—	774
<b>Special Naphthas</b> .....	<b>53</b>	<b>169</b>	<b>892</b>	<b>—</b>	<b>15</b>	<b>1,129</b>
Refinery .....	27	98	881	—	15	1,021
Bulk Terminal .....	26	71	11	—	—	108
<b>Lubricants</b> .....	<b>1,380</b>	<b>697</b>	<b>9,159</b>	<b>—</b>	<b>865</b>	<b>12,101</b>
Refinery .....	914	211	5,576	—	662	7,363
Bulk Terminal .....	466	486	3,583	—	203	4,738
<b>Waxes</b> .....	<b>307</b>	<b>65</b>	<b>284</b>	<b>—</b>	<b>—</b>	<b>656</b>
Refinery .....	307	65	284	—	—	656
<b>Petroleum Coke</b> .....	<b>—</b>	<b>1,978</b>	<b>2,725</b>	<b>132</b>	<b>1,087</b>	<b>5,922</b>
Refinery .....	—	1,978	2,725	132	1,087	5,922
<b>Asphalt and Road Oil</b> .....	<b>4,035</b>	<b>9,871</b>	<b>4,880</b>	<b>1,818</b>	<b>2,147</b>	<b>22,751</b>
Refinery .....	470	3,556	1,972	663	659	7,320
Bulk Terminal .....	3,565	6,315	2,908	1,155	1,488	15,431
<b>Miscellaneous Products</b> .....	<b>60</b>	<b>245</b>	<b>526</b>	<b>20</b>	<b>65</b>	<b>916</b>
Refinery .....	60	128	442	20	62	712
Bulk Terminal .....	—	117	84	—	3	204
Pipeline .....	—	—	—	—	—	—
<b>Total Stocks, All Oils</b> .....	<b>145,950</b>	<b>300,431</b>	<b>967,327</b>	<b>52,284</b>	<b>140,109</b>	<b>1,606,102</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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report."



**Table 35. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, 2023**  
(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>731</b>	<b>736</b>	<b>17,823</b>	<b>27,778</b>	<b>45,601</b>	<b>837</b>
Connecticut	—	—	—	1,421	38	1,459	33
Delaware	—	—	—	894	500	1,394	57
District of Columbia	—	—	—	—	—	—	—
Florida	—	471	471	—	5,415	5,415	—
Georgia	—	72	72	—	2,957	2,957	—
Maine	—	—	—	102	559	661	132
Maryland	—	—	—	1,160	75	1,235	38
Massachusetts	4	—	4	1,523	—	1,523	—
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	15	15	8,376	7,394	15,770	229
New York	1	—	1	834	1,715	2,549	228
North Carolina	—	49	49	—	2,937	2,937	23
Pennsylvania	—	—	—	746	3,690	4,436	80
Rhode Island	—	—	—	944	11	955	—
South Carolina	—	62	62	—	1,249	1,249	8
Vermont	—	—	—	—	21	21	3
Virginia	—	21	21	1,823	1,083	2,906	6
West Virginia	—	41	41	—	134	134	—
<b>PAD District 2</b>	<b>—</b>	<b>1,854</b>	<b>1,854</b>	<b>4,615</b>	<b>37,870</b>	<b>42,485</b>	<b>200</b>
Illinois	—	38	38	2,281	4,750	7,031	143
Indiana	—	125	125	1,022	4,785	5,807	2
Iowa	—	35	35	—	2,338	2,338	—
Kansas	—	188	188	—	3,490	3,490	14
Kentucky	—	73	73	274	1,398	1,672	—
Michigan	—	11	11	95	3,128	3,223	—
Minnesota	—	273	273	0	2,778	2,778	—
Missouri	—	139	139	366	757	1,123	—
Nebraska	—	60	60	—	848	848	—
North Dakota	—	73	73	—	906	906	—
Ohio	—	385	385	—	4,224	4,224	8
Oklahoma	—	256	256	103	4,117	4,220	21
South Dakota	—	33	33	—	429	429	—
Tennessee	—	56	56	—	2,078	2,078	—
Wisconsin	—	109	109	474	1,844	2,318	12
<b>PAD District 3</b>	<b>—</b>	<b>8,313</b>	<b>8,313</b>	<b>6,401</b>	<b>55,717</b>	<b>62,118</b>	<b>691</b>
Alabama	—	110	110	21	1,548	1,569	5
Arkansas	—	86	86	—	1,008	1,008	—
Louisiana	—	679	679	291	11,709	12,000	1
Mississippi	—	3,004	3,004	17	2,156	2,173	—
New Mexico	—	20	20	16	650	666	—
Texas	—	4,414	4,414	6,056	38,646	44,702	685
<b>PAD District 4</b>	<b>—</b>	<b>1,074</b>	<b>1,074</b>	<b>281</b>	<b>5,262</b>	<b>5,543</b>	<b>2</b>
Colorado	—	4	4	281	1,113	1,394	—
Idaho	—	8	8	—	409	409	—
Montana	—	399	399	—	1,394	1,394	—
Utah	—	96	96	—	1,503	1,503	2
Wyoming	—	567	567	—	843	843	—
<b>PAD District 5</b>	<b>17</b>	<b>1,830</b>	<b>1,847</b>	<b>11,639</b>	<b>12,626</b>	<b>24,265</b>	<b>9</b>
Alaska	—	280	280	—	441	441	6
Arizona	—	122	122	968	315	1,283	—
California	17	226	243	10,304	5,927	16,231	3
Hawaii	—	240	240	—	506	506	—
Nevada	—	184	184	19	366	385	—
Oregon	—	54	54	—	991	991	—
Washington	—	724	724	348	4,080	4,428	—
<b>U.S. Total</b>	<b>22</b>	<b>13,802</b>	<b>13,824</b>	<b>40,759</b>	<b>139,254</b>	<b>180,013</b>	<b>1,739</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, 2023**  
(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>25,099</b>	<b>552</b>	<b>616</b>	<b>26,267</b>	<b>4,859</b>	<b>6,519</b>
Connecticut	1,326	—	—	1,326	11	—
Delaware	459	46	74	579	297	12
District of Columbia	—	—	—	—	—	—
Florida	1,678	43	—	1,721	877	340
Georgia	1,500	—	—	1,500	240	13
Maine	1,393	2	—	1,395	55	—
Maryland	779	—	—	779	197	—
Massachusetts	1,149	8	—	1,157	42	—
New Hampshire	588	—	—	588	32	631
New Jersey	5,931	117	123	6,171	2,654	93
New York	2,765	—	109	2,874	117	1,867
North Carolina	1,071	—	—	1,071	—	424
Pennsylvania	3,346	—	75	3,421	235	1,999
Rhode Island	890	—	—	890	—	—
South Carolina	800	—	—	800	58	613
Vermont	10	—	—	10	—	—
Virginia	1,225	247	235	1,707	44	5
West Virginia	189	89	—	278	—	93
<b>PAD District 2</b>	<b>25,584</b>	<b>130</b>	<b>292</b>	<b>26,006</b>	<b>1,179</b>	<b>17,880</b>
Illinois	3,559	—	2	3,561	480	871
Indiana	2,847	—	28	2,875	120	550
Iowa	2,546	1	—	2,547	1	507
Kansas	2,369	—	—	2,369	29	10,368
Kentucky	864	—	—	864	—	243
Michigan	1,594	—	—	1,594	162	3,848
Minnesota	2,060	—	64	2,124	128	474
Missouri	806	65	9	880	—	90
Nebraska	967	—	—	967	—	359
North Dakota	974	—	—	974	26	63
Ohio	2,067	13	127	2,207	105	410
Oklahoma	1,819	51	62	1,932	59	26
South Dakota	641	—	—	641	—	21
Tennessee	1,188	—	—	1,188	59	4
Wisconsin	1,283	—	—	1,283	10	46
<b>PAD District 3</b>	<b>27,336</b>	<b>1,048</b>	<b>3,710</b>	<b>32,094</b>	<b>13,775</b>	<b>37,867</b>
Alabama	1,204	6	59	1,269	344	14
Arkansas	656	—	—	656	—	12
Louisiana	4,927	525	877	6,329	6,683	3,074
Mississippi	1,231	335	69	1,635	48	3,826
New Mexico	325	—	—	325	67	4
Texas	18,993	182	2,705	21,880	6,633	30,937
<b>PAD District 4</b>	<b>3,547</b>	<b>147</b>	<b>104</b>	<b>3,798</b>	<b>203</b>	<b>1,359</b>
Colorado	650	—	—	650	3	22
Idaho	298	—	—	298	—	—
Montana	1,164	55	22	1,241	61	24
Utah	652	37	82	771	51	1,245
Wyoming	783	55	—	838	88	68
<b>PAD District 5</b>	<b>10,994</b>	<b>265</b>	<b>550</b>	<b>11,809</b>	<b>4,078</b>	<b>2,172</b>
Alaska	1,092	—	57	1,149	36	3
Arizona	830	—	—	830	—	1,262
California	4,739	265	355	5,359	2,780	602
Hawaii	301	—	134	435	605	22
Nevada	439	—	4	443	—	—
Oregon	1,035	—	—	1,035	75	—
Washington	2,558	—	—	2,558	582	283
<b>U.S. Total</b>	<b>92,560</b>	<b>2,142</b>	<b>5,272</b>	<b>99,974</b>	<b>24,094</b>	<b>65,797</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 Biofuels, Fuel Oxygenates, Isooctane, and Isooctene Report."

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2023**  
(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>4,589</b>	<b>246</b>	<b>0</b>	<b>12,984</b>	<b>725,356</b>	<b>82,355</b>	<b>41,684</b>	<b>15,718</b>	<b>252,525</b>
<b>Petroleum Products</b> .....	<b>204,119</b>	<b>1,019</b>	<b>0</b>	<b>270,245</b>	<b>591,158</b>	<b>178,440</b>	<b>67,503</b>	<b>1,236,475</b>	<b>247,362</b>
Natural Gas Liquids .....	90,251	554	0	94,576	447,232	129,867	9,146	19,400	133,558
Ethane .....	68,980	0	—	2,885	202,684	31,055	—	0	12,123
Propane .....	12,009	58	0	68,062	137,205	51,125	4,221	19,319	18,045
Normal Butane .....	3,283	210	0	22,240	50,565	21,496	4,204	82	6,522
Isobutane .....	5,226	286	0	1,389	18,229	7,546	721	0	10,914
Natural Gasoline .....	754	0	—	0	38,549	18,645	—	0	85,954
Refinery Olefins .....	0	0	—	2,698	5,998	—	—	0	0
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	0	0	—	2,698	5,998	—	—	0	0
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	444	0	0	0	12,508	—	0	765	3,336
Motor Gasoline Blending Components .....	76,098	0	0	16,132	16,632	22,002	0	704,361	50,473
Reformulated - RBOB .....	0	0	0	0	807	1,508	0	98,460	23,034
Conventional .....	76,098	0	0	16,132	15,825	20,494	0	605,901	27,439
CBOB .....	76,098	0	0	16,132	14,093	20,494	0	597,532	23,998
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	1,732	—	0	8,369	3,441
Biofuels (including Fuel Ethanol) .....	24	10	0	112,813	72,605	5,773	55,606	33	95
Fuel Ethanol .....	0	0	0	111,401	69,557	5,533	46,909	0	0
Biodiesel .....	24	10	0	1,412	3,048	240	3,597	0	64
Renewable Diesel Fuel .....	0	0	0	0	0	0	5,100	33	31
Other Biofuels <sup>2</sup> .....	—	0	0	0	0	0	0	0	—
Finished Motor Gasoline .....	892	0	0	8,284	1,634	1,109	0	18,625	8,594
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	892	0	0	8,284	1,634	1,109	0	18,625	8,594
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	892	0	0	8,284	1,634	1,109	0	18,625	8,594
Finished Aviation Gasoline .....	0	0	—	0	0	—	—	1,180	309
Kerosene-Type Jet Fuel .....	4,605	268	0	5,775	732	9,981	0	180,650	17,545
Kerosene .....	—	0	—	0	0	—	—	987	—
Distillate Fuel Oil .....	31,318	70	0	14,928	10,557	9,145	0	300,879	28,725
15 ppm sulfur and under .....	31,318	70	0	14,928	10,505	9,145	0	297,806	27,392
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	52	—	—	99	1,262
Greater than 500 ppm sulfur .....	0	0	—	0	0	—	—	2,974	71
Residual Fuel Oil .....	0	0	—	0	7,893	—	—	57	0
Petrochemical Feedstocks .....	0	0	—	0	1,073	—	—	300	276
Naphtha for Petrochemical Feedstock Use .....	0	0	—	0	851	—	—	300	276
Other Oils for Petrochemical Feedstock Use .....	0	0	—	—	222	—	—	—	0
Special Naphthas .....	0	0	—	0	0	—	—	148	251
Lubricants .....	0	0	0	72	154	—	0	4,822	2,056
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	102	0	4,079	9,656	136	221	527	243
Asphalt and Road Oil .....	487	14	0	10,887	4,484	427	2,530	3,741	1,788
Miscellaneous Products .....	0	0	—	—	0	—	—	—	113
<b>Total</b> .....	<b>208,708</b>	<b>1,265</b>	<b>0</b>	<b>283,229</b>	<b>1,316,514</b>	<b>260,795</b>	<b>109,186</b>	<b>1,252,193</b>	<b>499,887</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, 2023**  
(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>0</b>	<b>0</b>	<b>321,573</b>	<b>19,602</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>57</b>	<b>75,882</b>	<b>23</b>	<b>270,173</b>	<b>54,656</b>	<b>32,315</b>	<b>101</b>	<b>274</b>	<b>952</b>	<b>613</b>
Natural Gas Liquids .....	0	1,272	0	256,753	51,489	4,705	0	0	0	0
Ethane .....	0	—	0	74,464	17,947	—	0	0	0	0
Propane .....	0	0	0	94,226	16,162	1,965	0	0	0	0
Normal Butane .....	0	636	0	39,125	5,718	2,174	0	0	0	0
Isobutane .....	0	635	0	15,071	4,048	566	0	0	0	0
Natural Gasoline .....	0	—	0	33,867	7,614	—	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	0	0	0	0	0	0	460	—
Motor Gasoline Blending Components .....	0	38,770	0	2,399	0	13,945	0	0	50	0
Reformulated - RBOB .....	0	19,701	0	0	0	0	0	0	0	0
Conventional .....	0	19,069	0	2,399	0	13,945	0	0	50	0
CBOB .....	0	18,911	0	2,399	0	13,945	0	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—	—
Other .....	—	158	0	0	0	0	0	0	50	—
Biofuels (including Fuel Ethanol) .....	34	22,029	0	6	0	4,634	0	3	0	117
Fuel Ethanol .....	0	4,283	0	0	0	718	0	0	0	0
Biodiesel .....	3	324	0	0	0	0	0	0	0	104
Renewable Diesel Fuel .....	31	17,422	0	6	0	3,916	0	3	0	13
Other Biofuels <sup>2</sup> .....	—	0	0	—	0	0	0	—	0	—
Finished Motor Gasoline .....	0	0	0	3,808	0	1,074	0	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	3,808	0	1,074	0	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	3,808	0	1,074	0	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	0	—
Kerosene-Type Jet Fuel .....	0	2,552	0	130	0	248	50	0	0	0
Kerosene .....	—	—	0	—	0	—	0	—	0	—
Distillate Fuel Oil .....	0	10,053	0	4,365	0	3,629	0	0	49	0
15 ppm sulfur and under .....	0	10,053	0	4,365	0	3,629	0	0	49	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	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	0	0	—	—	0	0	—
Special Naphthas .....	—	—	0	0	0	—	0	0	0	—
Lubricants .....	—	99	0	0	0	0	0	0	87	—
Waxes .....	—	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	16	0	1,710	1,146	1,482	48	271	303	210
Asphalt and Road Oil .....	22	1,091	23	1,001	2,021	2,597	3	0	3	286
Miscellaneous Products .....	—	—	—	0	0	—	—	0	0	—
<b>Total</b> .....	<b>57</b>	<b>75,882</b>	<b>23</b>	<b>591,746</b>	<b>74,258</b>	<b>32,315</b>	<b>101</b>	<b>274</b>	<b>952</b>	<b>613</b>

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, renewable diesel fuel, 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, 2023**  
(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>1,680</b>	<b>223</b>	<b>2,817</b>	<b>723,567</b>	<b>82,355</b>	<b>1,344</b>	<b>252,525</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>198,847</b>	<b>0</b>	<b>108,723</b>	<b>464,501</b>	<b>172,104</b>	<b>975,226</b>	<b>229,506</b>	<b>0</b>	<b>51,137</b>
Natural Gas Liquids .....	86,105	0	78,213	440,532	129,867	16,629	130,605	0	-
Ethane .....	68,980	0	2,885	202,684	31,055	0	12,123	0	-
Propane .....	11,410	0	57,534	132,825	51,125	16,629	17,405	0	-
Normal Butane .....	1,472	0	17,794	48,977	21,496	0	5,681	0	-
Isobutane .....	3,489	0	0	17,497	7,546	0	9,442	0	-
Natural Gasoline .....	754	0	0	38,549	18,645	0	85,954	0	-
Motor Gasoline Blending Components .....	76,045	0	7,403	13,992	22,002	549,259	49,668	0	38,532
Reformulated - RBOB .....	0	0	0	807	1,508	98,377	23,034	0	19,621
Conventional .....	76,045	0	7,403	13,185	20,494	450,882	26,634	0	18,911
CBOB .....	76,045	0	7,403	13,185	20,494	444,350	23,842	0	18,911
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	-	6,532	2,792	-	-
Biofuels (including Fuel Ethanol) .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Biodiesel .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel .....	-	-	-	-	-	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	892	0	7,520	0	1,109	11,898	7,029	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	892	0	7,520	0	1,109	11,898	7,029	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	892	0	7,520	0	1,109	11,898	7,029	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	4,605	0	5,253	554	9,981	141,320	16,012	0	2,552
Kerosene .....	-	0	0	0	-	987	-	-	-
Distillate Fuel Oil .....	31,200	0	10,334	9,423	9,145	255,133	26,192	0	10,053
15 ppm sulfur and under .....	31,200	0	10,334	9,423	9,145	253,076	24,930	0	10,053
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	-	-	1,262	-	-
Greater than 500 ppm sulfur .....	-	0	0	0	-	2,057	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>200,527</b>	<b>223</b>	<b>111,540</b>	<b>1,188,068</b>	<b>254,459</b>	<b>976,570</b>	<b>482,031</b>	<b>0</b>	<b>51,137</b>

See footnotes at end of table.

**Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 2023**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>320,937</b>	<b>3,493</b>	<b>-</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>267,455</b>	<b>51,489</b>	<b>18,896</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	256,753	51,489	-	0	0
Ethane .....	0	74,464	17,947	-	0	0
Propane .....	0	94,226	16,162	-	0	0
Normal Butane .....	0	39,125	5,718	-	0	0
Isobutane .....	0	15,071	4,048	-	0	0
Natural Gasoline .....	0	33,867	7,614	-	0	0
Motor Gasoline Blending Components .....	0	2,399	0	13,945	0	0
Reformulated - RBOB .....	0	0	0	0	0	0
Conventional .....	0	2,399	0	13,945	0	0
CBOB .....	0	2,399	0	13,945	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	3,808	0	1,074	0	0
Reformulated .....	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	0	3,808	0	1,074	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-
Conventional Other .....	0	3,808	0	1,074	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	130	0	248	0	0
Kerosene .....	0	-	0	-	0	-
Distillate Fuel Oil .....	0	4,365	0	3,629	0	0
15 ppm sulfur and under .....	0	4,365	0	3,629	0	0
Greater than 15 ppm to 500 ppm sulfur .....	-	0	0	-	0	-
Greater than 500 ppm sulfur .....	0	-	0	-	0	-
Residual Fuel Oil .....	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-
<b>Total</b> .....	<b>0</b>	<b>588,392</b>	<b>54,982</b>	<b>18,896</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, 2023**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>2,909</b>	<b>23</b>	<b>—</b>	<b>3,448</b>	<b>1,779</b>	<b>—</b>
<b>Petroleum Products</b> .....	<b>615</b>	<b>338</b>	<b>0</b>	<b>19,051</b>	<b>34,296</b>	<b>0</b>
Natural Gas Liquids .....	—	0	—	0	0	—
Ethane .....	—	—	—	—	—	—
Propane .....	—	0	—	0	0	—
Normal Butane .....	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—
Unfinished Oils .....	444	0	0	0	12,508	0
Motor Gasoline Blending Components .....	53	0	0	8,729	2,640	0
Reformulated - RBOB .....	—	0	0	0	0	0
Conventional .....	53	0	0	8,729	2,640	0
CBOB .....	53	0	—	8,729	908	—
GTAB .....	—	—	—	—	—	—
Other .....	0	0	0	0	1,732	0
Biofuels (including Fuel Ethanol) .....	0	0	0	3,778	5,676	0
Fuel Ethanol .....	0	0	—	3,778	5,417	—
Biodiesel .....	0	0	—	—	259	—
Renewable Diesel Fuel .....	—	0	0	0	0	0
Other Biofuels <sup>1</sup> .....	—	0	0	0	0	0
Finished Motor Gasoline .....	0	0	—	764	1,634	—
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	0	—	764	1,634	—
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	0	—	764	1,634	—
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	268	0	522	178	0
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	118	70	0	4,594	1,134	0
15 ppm sulfur and under .....	118	70	0	4,594	1,082	0
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	52	—
Greater than 500 ppm sulfur .....	0	0	—	0	0	—
Residual Fuel Oil .....	0	0	—	0	7,893	—
Less than 0.31 percent sulfur .....	0	0	—	0	818	—
0.31 to 1.00 percent sulfur .....	0	0	—	—	2,713	—
Greater than 1.00 percent sulfur .....	0	0	—	—	4,362	—
Petrochemical Feedstocks .....	0	0	—	0	1,073	—
Naphtha for Petrochemical Feedstock Use .....	0	0	—	0	851	—
Other Oils for Petrochemical Feedstock Use .....	0	0	—	—	222	—
Special Naphthas .....	0	0	—	0	0	—
Lubricants .....	0	0	0	72	154	0
Waxes .....	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	592	1,406	—
Miscellaneous Products .....	0	0	—	—	0	—
<b>Total</b> .....	<b>3,524</b>	<b>361</b>	<b>0</b>	<b>22,499</b>	<b>36,075</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, 2023**  
(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>14,374</b>	—	<b>14,303</b>	<b>71</b>	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>257,471</b>	<b>0</b>	<b>6,404</b>	<b>251,067</b>	<b>13,769</b>	<b>9,910</b>	<b>50</b>	<b>0</b>	<b>646</b>
Natural Gas Liquids .....	612	—	—	612	—	—	0	—	0
Ethane .....	—	—	—	—	—	—	—	—	—
Propane .....	612	—	—	612	—	—	0	—	0
Normal Butane .....	—	—	—	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	765	—	765	—	3,336	0	0	0	460
Motor Gasoline Blending Components .....	155,102	—	1,795	153,307	805	238	0	0	50
Reformulated - RBOB .....	83	—	83	—	—	80	0	—	0
Conventional .....	155,019	—	1,712	153,307	805	158	0	0	50
CBOB .....	153,182	—	—	153,182	156	—	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	1,837	—	1,712	125	649	158	0	0	50
Biofuels (including Fuel Ethanol) .....	30	0	—	30	0	9,573	0	0	0
Fuel Ethanol .....	0	—	—	—	0	—	0	0	0
Biodiesel .....	—	—	—	—	0	—	—	0	0
Renewable Diesel Fuel .....	30	—	—	—	—	9,573	0	—	0
Other Biofuels <sup>1</sup> .....	0	0	—	—	—	0	0	—	0
Finished Motor Gasoline .....	6,727	—	—	6,727	1,565	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	6,727	—	—	6,727	1,565	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	6,727	—	—	6,727	1,565	—	0	0	0
Finished Aviation Gasoline .....	1,180	—	200	980	309	—	0	0	0
Kerosene-Type Jet Fuel .....	39,330	—	—	39,330	1,533	0	50	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	45,746	—	—	45,746	2,533	0	0	0	49
15 ppm sulfur and under .....	44,730	—	—	44,730	2,462	0	0	0	49
Greater than 15 ppm to 500 ppm sulfur .....	99	—	—	99	0	—	0	0	0
Greater than 500 ppm sulfur .....	917	—	—	917	71	—	0	0	0
Residual Fuel Oil .....	57	—	—	57	0	—	0	0	0
Less than 0.31 percent sulfur .....	57	—	—	57	0	—	0	0	0
0.31 to 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks .....	300	—	300	—	276	—	0	0	0
Naphtha for Petrochemical Feedstock Use .....	300	—	300	—	276	—	0	0	0
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	0	—	—	0	0
Special Naphthas .....	148	—	148	—	251	—	0	0	0
Lubricants .....	4,822	—	3,196	1,626	2,056	99	0	0	87
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	2,652	—	—	2,652	992	—	0	0	0
Miscellaneous Products .....	—	—	—	—	113	—	—	0	0
<b>Total</b> .....	<b>271,845</b>	<b>0</b>	<b>20,707</b>	<b>251,138</b>	<b>13,769</b>	<b>9,910</b>	<b>50</b>	<b>0</b>	<b>646</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, 2023**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	0	0	6,719	10	0	41,684
Propane .....	599	58	0	0	10,528	4,380	0	4,221
Propylene .....	0	0	-	-	2,698	5,998	-	-
Normal Butane .....	1,811	210	0	0	4,446	1,588	0	4,204
Isobutane .....	1,737	286	0	0	1,389	732	0	721
Fuel Ethanol .....	0	0	0	0	107,623	64,140	5,533	46,909
Biodiesel .....	24	10	0	0	1,412	2,789	240	3,597
Renewable Diesel Fuel .....	0	0	0	0	0	0	0	5,100
Marketable Petroleum Coke .....	0	102	0	0	4,079	9,656	136	221
Asphalt and Road Oil .....	487	14	0	0	10,295	3,078	427	2,530

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	0	0	0	636	16,109	0
Propane .....	2,078	640	0	0	0	0	0	1,965
Propylene .....	0	0	-	-	0	0	0	-
Normal Butane .....	82	841	0	636	0	0	0	2,174
Isobutane .....	0	1,472	0	635	0	0	0	566
Fuel Ethanol .....	0	0	0	4,283	0	0	0	718
Biodiesel .....	0	64	3	324	0	0	0	0
Renewable Diesel Fuel .....	3	31	31	7,849	0	6	0	3,916
Marketable Petroleum Coke .....	527	243	0	16	0	1,710	1,146	1,482
Asphalt and Road Oil .....	1,089	796	22	1,091	23	1,001	2,021	2,597

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	104
Renewable Diesel Fuel .....	0	3	0	13
Marketable Petroleum Coke .....	48	271	303	210
Asphalt and Road Oil .....	3	0	3	286

- = No Data Reported.

**Table 40. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, 2023**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	1,680	2,909	0	4,589
3 .....	223	23	0	246
4 .....	0	-	0	0
5 .....	-	-	0	0
<b>From 2 to</b>				
1 .....	2,817	3,448	6,719	12,984
3 .....	723,567	1,779	10	725,356
4 .....	82,355	-	0	82,355
5 .....	-	-	41,684	41,684
<b>From 3 to</b>				
1 .....	1,344	14,374	0	15,718
2 .....	252,525	0	0	252,525
4 .....	0	-	0	0
5 .....	-	-	0	0
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	320,937	0	636	321,573
3 .....	3,493	0	16,109	19,602
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, 2023**  
(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>28,702</b>	<b>4,835</b>	<b>23,867</b>	<b>578,687</b>	<b>862,379</b>	<b>-283,692</b>	<b>745,204</b>	<b>268,243</b>	<b>476,961</b>
<b>Petroleum Products</b>	<b>1,506,844</b>	<b>205,138</b>	<b>1,301,705</b>	<b>721,928</b>	<b>1,107,346</b>	<b>-385,418</b>	<b>647,785</b>	<b>1,559,776</b>	<b>-911,992</b>
Natural Gas Liquids	113,977	90,805	23,172	480,562	680,821	-200,259	499,275	154,230	345,045
Ethane	2,885	68,980	-66,095	155,567	236,624	-81,057	220,631	12,123	208,508
Propane	87,381	12,067	75,314	124,280	260,613	-136,334	153,425	37,364	116,062
Normal Butane	22,322	3,492	18,829	48,930	98,505	-49,575	56,493	7,240	49,253
Isobutane	1,389	5,512	-4,122	31,210	27,884	3,326	22,563	11,549	11,013
Natural Gasoline	0	754	-754	120,575	57,194	63,381	46,163	85,954	-39,791
Refinery Olefins	2,698	0	2,698	0	8,697	-8,697	5,998	0	5,998
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	2,698	0	2,698	0	8,697	-8,697	5,998	0	5,998
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	765	444	321	3,780	12,508	-8,728	12,968	4,101	8,867
Motor Gasoline Blending Components	720,493	76,098	644,395	128,970	54,766	74,204	16,682	793,604	-776,922
Reformulated - RBOB	98,460	0	98,460	23,034	2,315	20,719	807	141,195	-140,388
Conventional	622,033	76,098	545,935	105,936	52,451	53,485	15,875	652,409	-636,534
CBOB	613,664	76,098	537,566	102,495	50,719	51,776	14,093	640,441	-626,348
GTAB	0	0	-	-	-	-	0	0	-
Other	8,369	0	8,369	3,441	1,732	1,709	1,782	11,968	-10,186
Biofuels (including Fuel Ethanol)	112,846	34	112,811	129	246,797	-246,668	72,615	22,192	50,423
Fuel Ethanol	111,401	0	111,401	0	233,400	-233,400	69,557	4,283	65,274
Biodiesel	1,412	34	1,377	88	8,297	-8,209	3,058	391	2,667
Renewable Diesel Fuel	33	0	33	41	5,100	-5,059	0	17,518	-17,518
Other Biofuels <sup>2</sup>	0	0	0	0	0	-	0	0	0
Finished Motor Gasoline	26,909	892	26,017	13,294	11,027	2,267	1,634	27,219	-25,585
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	26,909	892	26,017	13,294	11,027	2,267	1,634	27,219	-25,585
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	26,909	892	26,017	13,294	11,027	2,267	1,634	27,219	-25,585
Finished Aviation Gasoline	1,180	0	1,180	309	0	309	0	1,489	-1,489
Kerosene-Type Jet Fuel	186,475	4,873	181,602	22,280	16,488	5,792	1,000	200,747	-199,747
Kerosene	987	0	987	0	0	-	0	987	-987
Distillate Fuel Oil	315,807	31,388	284,419	64,408	34,630	29,778	10,676	339,657	-328,981
15 ppm sulfur and under	312,734	31,388	281,346	63,075	34,578	28,497	10,624	335,251	-324,627
Greater than 15 ppm to 500 ppm sulfur	99	0	99	1,262	52	1,210	52	1,361	-1,309
Greater than 500 ppm sulfur	2,974	0	2,974	71	0	71	0	3,045	-3,045
Residual Fuel Oil	57	0	57	0	7,893	-7,893	7,893	57	7,836
Petrochemical Feedstocks	300	0	300	276	1,073	-797	1,073	576	497
Naphtha for Petrochemical Feedstock Use	300	0	300	276	851	-575	851	576	275
Other Oils for Petrochemical Feedstock Use	0	0	-	0	222	-222	222	0	222
Special Naphthas	148	0	148	251	0	251	0	399	-399
Lubricants	4,894	0	4,894	2,056	226	1,830	241	6,977	-6,736
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	4,654	102	4,551	2,225	14,093	-11,868	11,208	786	10,422
Asphalt and Road Oil	14,653	501	14,152	3,276	18,328	-15,052	6,521	6,642	-121
Miscellaneous Products	0	0	-	113	0	113	0	113	-113
<b>Total</b>	<b>1,535,546</b>	<b>209,973</b>	<b>1,325,573</b>	<b>1,300,615</b>	<b>1,969,725</b>	<b>-669,110</b>	<b>1,392,989</b>	<b>1,828,019</b>	<b>-435,030</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, 2023**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>82,355</b>	<b>341,175</b>	<b>-258,820</b>	<b>41,684</b>	<b>0</b>	<b>41,684</b>
<b>Petroleum Products</b> .....	<b>179,110</b>	<b>357,166</b>	<b>-178,056</b>	<b>175,700</b>	<b>1,939</b>	<b>173,761</b>
Natural Gas Liquids .....	129,867	312,947	-183,080	15,122	0	15,122
Ethane .....	31,055	92,411	-61,356	0	0	-
Propane .....	51,125	112,353	-61,228	6,187	0	6,187
Normal Butane .....	21,496	47,017	-25,521	7,014	0	7,014
Isobutane .....	7,546	19,685	-12,139	1,922	0	1,922
Natural Gasoline .....	18,645	41,481	-22,836	0	0	-
Refinery Olefins .....	0	0	-	0	0	-
Ethylene .....	-	-	-	-	-	-
Propylene .....	0	0	-	0	0	-
Normal Butylene .....	0	0	-	0	0	-
Isobutylene .....	0	0	-	0	0	-
Unfinished Oils .....	0	0	-	0	460	-460
Motor Gasoline Blending Components .....	22,002	16,344	5,658	52,715	50	52,665
Reformulated - RBOB .....	1,508	0	1,508	19,701	0	19,701
Conventional .....	20,494	16,344	4,150	33,014	50	32,964
CBOB .....	20,494	16,344	4,150	32,856	0	32,856
GTAB .....	-	-	-	0	0	-
Other .....	0	0	-	158	50	108
Biofuels (including Fuel Ethanol) .....	5,924	4,641	1,283	82,270	120	82,150
Fuel Ethanol .....	5,533	718	4,814	51,911	0	51,911
Biodiesel .....	347	0	347	3,921	104	3,817
Renewable Diesel Fuel .....	44	3,922	-3,878	26,438	16	26,423
Other Biofuels <sup>2</sup> .....	0	0	-	0	0	0
Finished Motor Gasoline .....	1,109	4,882	-3,773	1,074	0	1,074
Reformulated .....	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol .....	0	0	-	0	0	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	1,109	4,882	-3,773	1,074	0	1,074
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 .....	1,109	4,882	-3,773	1,074	0	1,074
Finished Aviation Gasoline .....	0	0	-	0	0	-
Kerosene-Type Jet Fuel .....	9,981	378	9,603	2,800	50	2,750
Kerosene .....	0	0	-	0	0	-
Distillate Fuel Oil .....	9,145	7,994	1,151	13,682	49	13,633
15 ppm sulfur and under .....	9,145	7,994	1,151	13,682	49	13,633
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	-	0	0	-
Naphtha for Petrochemical Feedstock Use .....	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use .....	0	0	-	0	0	-
Special Naphthas .....	0	0	-	0	0	-
Lubricants .....	0	0	-	99	87	12
Waxes .....	0	0	-	0	0	-
Marketable Petroleum Coke .....	346	4,339	-3,993	1,720	832	888
Asphalt and Road Oil .....	736	5,642	-4,906	6,218	292	5,926
Miscellaneous Products .....	0	0	-	0	0	-
<b>Total</b> .....	<b>261,465</b>	<b>698,342</b>	<b>-436,877</b>	<b>217,384</b>	<b>1,939</b>	<b>215,444</b>

- = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, renewable diesel fuel, 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.