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Petroleum Supply Annual, Volume 1

with data for 2021

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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2021
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³		
Crude Oil⁴	4,107,585	--	--	2,231,550	162,038	-108,691	5,528,474	1,081,390	0	1,014,866	
Hydrocarbon Gas Liquids	1,980,085	-7,943	225,205	63,243	--	-38,176	200,325	842,796	1,255,645	193,052	
Natural Gas Liquids	1,980,085	-7,943	120,792	57,246	--	-38,010	200,325	842,796	1,145,069	190,969	
Ethane	784,486	--	1,505	--	--	-8,306	--	134,784	659,513	63,204	
Propane	636,714	--	101,325	41,572	--	-7,129	--	484,252	302,488	63,839	
Normal Butane	184,873	0	21,052	13,248	--	-7,996	67,915	150,947	8,307	33,558	
Isobutane	151,626	0	-3,090	2,358	--	-2,632	71,671	1,082	80,773	9,674	
Natural Gasoline	222,386	-7,943	--	68	--	-11,947	60,739	71,730	93,988	20,694	
Refinery Olefins	--	--	104,413	5,997	--	-166	--	--	110,576	2,083	
Ethylene	--	--	277	--	--	0	--	--	277	0	
Propylene	--	--	106,125	5,243	--	-90	--	--	111,458	1,397	
Normal Butylene	--	--	-1,832	734	--	-79	--	--	-1,019	641	
Isobutylene	--	--	-157	20	--	3	--	--	-140	45	
Other Liquids	--	420,611	--	474,273	88,068	-2,535	734,038	194,678	56,770	322,763	
Hydrogen/Biofuels/Other Hydrocarbons	--	420,621	--	15,897	66,741	-981	421,686	34,034	48,519	28,675	
Hydrogen	--	--	--	--	76,918	--	76,918	--	0	--	
Biofuels (including Fuel Ethanol)	--	420,621	--	15,819	-10,263	-984	344,607	34,034	48,519	28,659	
Fuel Ethanol ⁵	--	357,517	--	1,447	-10,263	-2,627	321,747	29,582	0	22,036	
Biofuels (excluding Fuel Ethanol)	--	63,103	--	14,372	--	1,643	22,860	4,452	48,519	6,623	
Biodiesel	--	40,686	--	5,005	--	522	17,274	4,452	23,443	4,187	
Renewable Diesel Fuel	--	20,503	--	9,340	--	1,066	3,858	NA	24,919	2,353	
Other Biofuels ⁶	--	1,914	--	27	--	56	1,728	NA	157	83	
Other Hydrocarbons	--	--	--	78	86	3	161	--	0	16	
Unfinished Oils	--	--	--	203,865	--	2,086	64,599	128,764	8,416	79,700	
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-10	--	254,511	21,326	-3,634	247,582	31,880	0	214,363	
Reformulated	--	-9	--	80,998	74,086	-6,087	161,085	77	0	47,357	
Conventional	--	0	--	173,513	-52,759	2,453	86,497	31,803	0	167,006	
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-6	171	--	-165	25	
Finished Petroleum Products	--	1,989	6,586,455	323,912	-11,064	-42,798	--	996,699	5,947,391	261,613	
Finished Motor Gasoline	--	1,858	3,477,983	39,387	-11,064	-7,583	--	298,018	3,217,730	17,815	
Reformulated	--	--	1,077,721	--	-63,459	-26	--	--	1,014,288	22	
Conventional	--	1,858	2,400,262	39,387	52,396	-7,557	--	298,018	2,203,443	17,793	
Finished Aviation Gasoline	--	--	3,924	475	--	130	--	--	4,269	1,251	
Kerosene-Type Jet Fuel	--	92	478,472	57,814	--	-2,829	--	39,200	500,007	35,798	
Kerosene	0	3,365	293	--	--	-382	--	1,871	2,169	2,301	
Distillate Fuel Oil ⁵	--	39	1,703,688	105,262	--	-31,149	--	390,331	1,449,807	130,039	
15 ppm sulfur and under	--	40	1,627,093	103,020	--	-29,553	--	324,579	1,435,127	120,195	
Greater than 15 ppm to 500 ppm sulfur	--	-1	35,735	1,605	--	-562	--	27,006	10,896	2,785	
Greater than 500 ppm sulfur	--	0	40,860	637	--	-1,034	--	38,747	3,784	7,059	
Residual Fuel Oil	--	--	77,837	68,002	--	-4,403	--	35,535	114,707	25,770	
Less than 0.31 percent sulfur	--	--	11,456	2,921	--	-1,252	--	NA	NA	2,540	
0.31 to 1.00 percent sulfur	--	--	30,548	12,041	--	-610	--	NA	NA	6,312	
Greater than 1.00 percent sulfur	--	--	35,833	53,040	--	-2,541	--	NA	NA	16,918	
Petrochemical Feedstocks	--	--	98,363	6,134	--	-348	--	--	104,845	2,540	
Naphtha for Petro. Feed. Use	--	--	62,548	4,868	--	-194	--	--	67,610	1,882	
Other Oils for Petro. Feed. Use	--	--	35,815	1,266	--	-154	--	--	37,235	658	
Special Naphthas	--	--	11,444	4,021	--	-13	--	--	15,478	1,048	
Lubricants	--	--	61,174	16,862	--	3,309	--	36,387	38,340	13,011	
Waxes	--	--	1,660	2,274	--	-6	--	1,810	2,130	549	
Petroleum Coke	--	--	279,119	3,766	--	-883	--	185,471	98,297	6,820	
Marketable	--	--	207,164	3,766	--	-883	--	185,471	26,342	6,820	
Catalyst	--	--	71,955	--	--	--	--	--	71,955	--	
Asphalt and Road Oil	--	--	124,496	19,609	--	1,196	--	7,574	135,335	23,940	
Still Gas	--	--	234,807	--	--	--	--	--	234,807	--	
Miscellaneous Products	--	--	30,123	13	--	164	--	503	29,469	732	
Total	6,087,670	414,657	6,811,660	3,092,978	239,042	-192,199	6,462,837	3,115,563	7,259,806	1,792,294	

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

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
³ Product supplied is equal to field production, plus 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.
⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
⁶ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2021
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	11,254	--	--	6,114	444	-298	15,147	2,963	0
Hydrocarbon Gas Liquids	5,425	-22	617	173	--	-105	549	2,309	3,440
Natural Gas Liquids	5,425	-22	331	157	--	-104	549	2,309	3,137
Ethane	2,149	--	4	--	--	-23	--	369	1,807
Propane	1,744	--	278	114	--	-20	--	1,327	829
Normal Butane	507	--	58	36	--	-22	186	414	23
Isobutane	415	--	-8	6	--	-7	196	3	221
Natural Gasoline	609	-22	--	0	--	-33	166	197	258
Refinery Olefins	--	--	286	16	--	0	--	--	303
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	291	14	--	0	--	--	305
Normal Butylene	--	--	-5	2	--	0	--	--	-3
Isobutylene	--	--	0	0	--	0	--	--	0
Other Liquids	--	1,152	--	1,299	241	-7	2,011	533	156
Hydrogen/Biofuels/Other Hydrocarbons	--	1,152	--	44	183	-3	1,155	93	133
Hydrogen	--	--	--	--	211	--	211	--	0
Biofuels (including Fuel Ethanol)	--	1,152	--	43	-28	-3	944	93	133
Fuel Ethanol ⁵	--	979	--	4	-28	-7	881	81	0
Biofuels (excluding Fuel Ethanol)	--	173	--	39	--	5	63	12	133
Biodiesel	--	111	--	14	--	1	47	--	64
Renewable Diesel Fuel	--	56	--	26	--	3	11	NA	68
Other Biofuels ⁶	--	5	--	0	--	0	5	NA	0
Other Hydrocarbons	--	--	--	0	0	0	0	--	0
Unfinished Oils	--	--	--	559	--	6	177	353	23
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	697	58	-10	678	87	0
Reformulated	--	0	--	222	203	-17	441	0	0
Conventional	--	0	--	475	-145	7	237	87	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	5	18,045	887	-30	-117	--	2,731	16,294
Finished Motor Gasoline	--	5	9,529	108	-30	-21	--	816	8,816
Reformulated	--	--	2,953	--	-174	0	--	--	2,779
Conventional	--	5	6,576	108	144	-21	--	816	6,037
Finished Aviation Gasoline	--	--	11	1	--	0	--	--	12
Kerosene-Type Jet Fuel	--	0	1,311	158	--	-8	--	107	1,370
Kerosene	--	0	9	1	--	-1	--	5	6
Distillate Fuel Oil ⁵	--	0	4,668	288	--	-85	--	1,069	3,972
15 ppm sulfur and under	--	0	4,458	282	--	-81	--	889	3,932
Greater than 15 ppm to 500 ppm sulfur	--	0	98	4	--	-2	--	74	30
Greater than 500 ppm sulfur	--	0	112	2	--	-3	--	106	10
Residual Fuel Oil	--	--	213	186	--	-12	--	97	314
Less than 0.31 percent sulfur	--	--	31	8	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	84	33	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	98	145	--	-7	--	NA	NA
Petrochemical Feedstocks	--	--	269	17	--	-1	--	--	287
Naphtha for Petro. Feed. Use	--	--	171	13	--	-1	--	--	185
Other Oils for Petro. Feed. Use	--	--	98	3	--	0	--	--	102
Special Naphthas	--	--	31	11	--	0	--	--	42
Lubricants	--	--	168	46	--	9	--	100	105
Waxes	--	--	5	6	--	0	--	5	6
Petroleum Coke	--	--	765	10	--	-2	--	508	269
Marketable	--	--	568	10	--	-2	--	508	72
Catalyst	--	--	197	--	--	--	--	--	197
Asphalt and Road Oil	--	--	341	54	--	3	--	21	371
Still Gas	--	--	643	--	--	--	--	--	643
Miscellaneous Products	--	--	83	0	--	0	--	1	81
Total	16,679	1,136	18,662	8,474	655	-527	17,706	8,536	19,890

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

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus 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.

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

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

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

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isoctene."

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, 2021
(Thousand Barrels)

Commodity	Supply					Disposition					Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	26,137	--	--	200,734	29,937	-8,279	-2,481	245,401	5,609	0	7,395
Hydrocarbon Gas Liquids	231,829	-105	7,698	14,926	24,795	--	-1,456	14,830	96,941	168,828	10,303
Natural Gas Liquids	231,829	-105	2,194	11,709	20,490	--	-1,392	14,830	96,941	155,738	10,044
Ethane	89,281	--	--	--	-60,093	--	-392	--	25,818	3,762	684
Propane	82,551	--	4,961	10,410	69,960	--	-517	--	50,339	118,060	7,520
Normal Butane	25,995	--	-1,899	995	18,621	--	-469	10,349	19,716	14,116	1,443
Isobutane	10,805	--	-868	304	-4,106	--	-48	1,479	8	4,696	136
Natural Gasoline	23,197	-105	--	--	-3,892	--	34	3,002	1,060	15,104	261
Refinery Olefins	--	--	5,504	3,217	4,305	--	-64	--	--	13,090	259
Ethylene	--	--	208	--	--	--	--	--	--	208	--
Propylene	--	--	5,011	3,217	4,305	--	1	--	--	12,532	146
Normal Butylene	--	--	-101	--	--	--	-52	--	--	-49	84
Isobutylene	--	--	386	--	--	--	-13	--	--	399	29
Other Liquids	--	6,439	--	233,644	707,810	63,026	-6,332	1,009,506	2,283	5,463	69,560
Hydrogen/Biofuels/Other Hydrocarbons	--	6,439	--	2,087	108,313	7,338	-1,530	121,862	1,680	2,165	7,074
Hydrogen	--	--	--	--	--	1,142	--	1,142	--	0	--
Biofuels (including Fuel Ethanol)	--	6,439	--	2,087	108,313	6,196	-1,530	120,720	1,680	2,165	7,074
Fuel Ethanol ⁶	--	4,213	--	--	106,329	6,196	-1,245	116,628	1,355	0	6,027
Biofuels (excluding Fuel Ethanol) ⁷	--	2,226	--	2,087	1,984	--	-285	4,092	325	2,165	1,047
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	21,114	-735	--	244	16,532	305	3,298	3,572
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	210,443	600,232	55,688	-5,046	871,112	297	0	58,914
Reformulated	--	--	--	79,790	89,667	14,446	-2,586	186,485	4	0	19,383
Conventional	--	--	--	130,653	510,565	41,241	-2,460	684,627	292	0	39,531
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	4	1,277,211	174,029	462,526	-61,884	-22,983	--	27,213	1,847,657	70,560
Finished Motor Gasoline	--	--	1,137,453	29,365	40,738	-61,884	-1,646	--	1,843	1,145,475	2,916
Reformulated	--	--	427,599	--	--	-13,184	-24	--	--	414,439	6
Conventional	--	--	709,854	29,365	40,738	-48,700	-1,622	--	1,843	731,036	2,910
Finished Aviation Gasoline	--	--	-45	145	986	--	37	--	--	1,049	247
Kerosene-Type Jet Fuel	--	--	20,471	22,705	124,456	--	-993	--	1,830	166,795	9,157
Kerosene	--	--	570	252	1,397	--	-413	--	8	2,624	1,814
Distillate Fuel Oil ⁶	--	4	69,581	91,392	270,615	--	-17,077	--	7,867	440,802	44,582
15 ppm sulfur and under	--	4	71,447	91,372	261,626	--	-16,171	--	3,354	437,266	41,142
Greater than 15 ppm to 500 ppm sulfur	--	--	142	20	9	--	-311	--	3,382	-2,900	1,035
Greater than 500 ppm sulfur	--	--	-2,008	--	8,980	--	-595	--	1,132	6,435	2,405
Residual Fuel Oil	--	--	14,599	16,797	436	--	-3,473	--	4,457	30,848	4,541
Less than 0.31 percent sulfur	--	--	-152	1,259	--	--	-620	--	NA	NA	307
0.31 to 1.00 percent sulfur	--	--	11,301	6,055	87	--	-1,057	--	NA	NA	1,293
Greater than 1.00 percent sulfur	--	--	3,450	9,483	349	--	-1,796	--	NA	NA	2,941
Petrochemical Feedstocks	--	--	--	385	111	--	--	--	--	496	--
Naphtha for Petro. Feed. Use	--	--	--	373	111	--	--	--	--	484	--
Other Oils for Petro. Feed. Use	--	--	--	12	--	--	--	--	--	12	--
Special Naphthas	--	--	148	140	--	--	-14	--	--	302	28
Lubricants	--	--	4,117	1,816	6,030	--	352	--	2,317	9,294	1,495
Waxes	--	--	-179	1,240	--	--	-26	--	1,028	59	235
Petroleum Coke	--	--	7,753	83	4,143	--	--	--	6,682	5,297	--
Marketable	--	--	2,574	83	4,143	--	--	--	6,682	118	--
Catalyst	--	--	5,179	--	--	--	--	--	--	5,179	--
Asphalt and Road Oil	--	--	11,311	9,708	13,614	--	260	--	999	33,375	5,478
Still Gas	--	--	10,308	--	--	--	--	--	--	10,308	--
Miscellaneous Products	--	--	1,124	1	--	--	10	--	183	932	67
Total	257,966	6,337	1,284,909	623,333	1,225,068	-7,137	-33,252	1,269,737	132,044	2,021,948	157,818

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

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

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

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

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 4. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	72	--	--	550	82	-23	-7	672	15	0
Hydrocarbon Gas Liquids	635	0	21	41	68	--	-4	41	266	463
Natural Gas Liquids	635	0	6	32	56	--	-4	41	266	427
Ethane	245	--	--	--	-165	--	-1	--	71	10
Propane	226	--	14	29	192	--	-1	--	--	323
Normal Butane	71	--	-5	3	51	--	-1	28	--	39
Isobutane	30	--	-2	1	-11	--	0	4	0	13
Natural Gasoline	64	0	--	--	-11	--	0	8	3	41
Refinery Olefins	--	--	15	9	12	--	0	--	--	36
Ethylene	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	14	9	12	--	0	--	--	34
Normal Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	18	--	640	1,939	173	-17	2,766	6	15
Hydrogen/Biofuels/Other Hydrocarbons	--	18	--	6	297	20	-4	334	5	6
Hydrogen	--	--	--	--	--	3	--	3	--	0
Biofuels (including Fuel Ethanol)	--	18	--	6	297	17	-4	331	5	6
Fuel Ethanol ⁶	--	12	--	--	291	17	-3	320	4	0
Biofuels (excluding Fuel Ethanol) ⁷	--	6	--	6	5	--	-1	11	1	6
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	58	-2	--	1	45	1	9
Motor Gasoline Blend.Comp. (MGBC) ⁶	--	--	--	577	1,644	153	-14	2,387	1	0
Reformulated	--	--	--	219	246	40	-7	511	0	0
Conventional	--	--	--	358	1,399	113	-7	1,876	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	3,499	477	1,267	-170	-63	--	75	5,062
Finished Motor Gasoline	--	--	3,116	80	112	-170	-5	--	5	3,138
Reformulated	--	--	1,172	--	--	-36	0	--	--	1,135
Conventional	--	--	1,945	80	112	-133	-4	--	5	2,003
Finished Aviation Gasoline	--	--	0	0	3	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	56	62	341	--	-3	--	5	457
Kerosene	--	--	2	1	4	--	-1	--	0	7
Distillate Fuel Oil ⁶	--	0	191	250	741	--	-47	--	22	1,208
15 ppm sulfur and under	--	0	196	250	717	--	-44	--	9	1,198
Greater than 15 ppm to 500 ppm sulfur	--	--	0	0	0	--	-1	--	9	-8
Greater than 500 ppm sulfur	--	--	-6	--	25	--	-2	--	3	18
Residual Fuel Oil	--	--	40	46	1	--	-10	--	12	85
Less than 0.31 percent sulfur	--	--	0	3	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	31	17	0	--	-3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	9	26	1	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	0	--	--	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	0	--	--	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	1
Lubricants	--	--	11	5	17	--	1	--	6	25
Waxes	--	--	0	3	--	--	0	--	3	0
Petroleum Coke	--	--	21	0	11	--	--	--	18	15
Marketable	--	--	7	0	11	--	--	--	18	0
Catalyst	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	31	27	37	--	1	--	3	91
Still Gas	--	--	28	--	--	--	--	--	--	28
Miscellaneous Products	--	--	3	0	--	--	0	--	1	3
Total	707	17	3,520	1,708	3,356	-20	-91	3,479	362	5,540

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

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

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

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 5. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	613,107	--	--	1,001,216	-227,576	-12,335	-29,706	1,369,939	34,179	0	117,519
Hydrocarbon Gas Liquids	389,098	-7,537	40,227	25,792	-188,003	--	2,801	34,418	102,818	119,539	49,911
Natural Gas Liquids	389,098	-7,537	23,634	23,066	-175,845	--	2,668	34,418	102,818	112,511	49,351
Ethane	143,842	--	--	--	-62,903	--	1,118	--	31,658	48,163	6,933
Propane	133,164	--	26,245	16,462	-119,822	--	1,505	--	1,687	52,857	21,438
Normal Butane	45,376	--	-630	4,557	-43,904	--	937	7,588	1,339	-4,465	8,853
Isobutane	22,775	--	-1,981	1,979	4,087	--	463	17,897	24	8,476	2,352
Natural Gasoline	43,941	-7,537	--	68	46,697	--	-1,355	8,933	68,109	7,481	9,775
Refinery Olefins	--	--	16,593	2,726	-12,158	--	133	--	--	7,028	560
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	16,135	2,026	-12,158	--	72	--	--	5,931	453
Normal Butylene	--	--	458	680	--	--	61	--	--	1,077	107
Isobutylene	--	--	--	20	--	--	0	--	--	20	0
Other Liquids	--	372,777	--	5,606	-168,855	-14,461	4,630	164,890	29,306	-3,759	70,239
Hydrogen/Biofuels/Other Hydrocarbons	--	372,782	--	1,156	-235,538	-6,024	41	106,695	9,047	16,593	10,630
Hydrogen	--	--	--	--	--	13,806	--	13,806	--	0	--
Biofuels (including Fuel Ethanol)	--	372,782	--	1,156	-235,538	-19,994	38	92,728	9,047	16,593	10,614
Fuel Ethanol	--	339,697	--	--	-225,383	-19,994	-291	87,652	6,958	0	9,381
Biofuels (excluding Fuel Ethanol) ⁶	--	33,085	--	1,156	-10,155	--	329	5,076	2,089	16,593	1,233
Other Hydrocarbons	--	--	--	--	--	164	3	161	--	0	16
Unfinished Oils	--	--	--	93	-5,245	--	1,756	-5,758	19,201	-20,351	13,270
Motor Gasoline Blend.Comp. (MGBC)	--	-5	--	4,357	71,928	-8,437	2,833	63,953	1,057	0	46,339
Reformulated	--	-5	--	--	21,114	-1,137	-530	20,500	1	0	4,650
Conventional	--	0	--	4,357	50,814	-7,299	3,363	43,453	1,056	0	41,689
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1,496	1,613,270	17,997	31,460	28,431	-1,403	--	14,689	1,679,369	54,381
Finished Motor Gasoline	--	1,521	906,439	100	2,778	28,431	-2,954	--	3,140	939,082	4,402
Reformulated	--	--	121,099	--	--	3,314	--	--	--	124,413	--
Conventional	--	1,521	785,340	100	2,778	25,117	-2,954	--	3,140	814,669	4,402
Finished Aviation Gasoline	--	--	260	48	273	--	-9	--	--	590	172
Kerosene-Type Jet Fuel	--	--	88,621	37	10,963	--	279	--	158	99,184	6,821
Kerosene	--	0	1,724	41	19	--	-61	--	5	1,840	137
Distillate Fuel Oil	--	-24	404,495	2,822	44,843	--	1,046	--	1,276	449,814	29,096
15 ppm sulfur and under	--	-24	404,582	2,789	43,706	--	1,053	--	9	449,992	28,505
Greater than 15 ppm to 500 ppm sulfur	--	0	1,132	16	1,137	--	-66	--	225	2,126	236
Greater than 500 ppm sulfur	--	0	-1,219	17	--	--	59	--	1,043	-2,304	355
Residual Fuel Oil	--	--	12,926	1,782	-7,073	--	-172	--	1,751	6,056	957
Less than 0.31 percent sulfur	--	--	1,019	--	--	--	-22	--	NA	NA	51
0.31 to 1.00 percent sulfur	--	--	4,212	625	-3,375	--	-40	--	NA	NA	196
Greater than 1.00 percent sulfur	--	--	7,695	1,157	-3,698	--	-110	--	NA	NA	710
Petrochemical Feedstocks	--	--	10,792	1,608	-1,051	--	-72	--	--	11,421	532
Naphtha for Petro. Feed. Use	--	--	6,605	869	-935	--	-70	--	--	6,609	412
Other Oils for Petro. Feed. Use	--	--	4,187	739	-116	--	-2	--	--	4,812	120
Special Naphthas	--	--	-67	107	278	--	0	--	--	318	152
Lubricants	--	--	2,456	2,534	2,470	--	88	--	2,352	5,020	721
Waxes	--	--	426	191	--	--	0	--	432	185	40
Petroleum Coke	--	--	67,388	334	-9,886	--	-133	--	4,387	53,582	1,502
Marketable	--	--	49,914	334	-9,886	--	-133	--	4,387	36,108	1,502
Catalyst	--	--	17,474	--	--	--	--	--	--	17,474	--
Asphalt and Road Oil	--	--	61,363	8,393	-12,233	--	568	--	1,166	55,790	9,725
Still Gas	--	--	50,809	--	--	--	--	--	--	50,809	--
Miscellaneous Products	--	--	5,638	--	79	--	17	--	23	5,677	124
Total	1,002,205	366,736	1,653,497	1,050,611	-552,973	1,635	-23,678	1,569,247	180,992	1,795,150	292,050

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

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,680	--	--	2,743	-623	-34	-81	3,753	94	0
Hydrocarbon Gas Liquids	1,066	-21	110	71	-515	--	8	94	282	328
Natural Gas Liquids	1,066	-21	65	63	-482	--	7	94	282	308
Ethane	394	--	--	--	-172	--	3	--	87	132
Propane	365	--	72	45	-328	--	4	--	5	145
Normal Butane	124	--	-2	12	-120	--	3	21	4	-12
Isobutane	62	--	-5	5	11	--	1	49	0	23
Natural Gasoline	120	-21	--	0	128	--	-4	24	187	20
Refinery Olefins	--	--	45	7	-33	--	0	--	--	19
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	44	6	-33	--	0	--	--	16
Normal Butylene	--	--	1	2	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1,021	--	15	-463	-40	13	452	80	-10
Hydrogen/Biofuels/Other Hydrocarbons	--	1,021	--	3	-645	-17	0	292	25	45
Hydrogen	--	--	--	--	--	38	--	38	--	0
Biofuels (including Fuel Ethanol)	--	1,021	--	3	-645	-55	0	254	25	45
Fuel Ethanol	--	931	--	--	-617	-55	-1	240	19	0
Biofuels (excluding Fuel Ethanol) ⁶	--	91	--	3	-28	--	1	14	6	45
Other Hydrocarbons	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	--	--	0	-14	--	5	-16	53	-56
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	12	197	-23	8	175	3	0
Reformulated	--	0	--	--	58	-3	-1	56	0	0
Conventional	--	0	--	12	139	-20	9	119	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	4	4,420	49	86	78	-4	--	40	4,601
Finished Motor Gasoline	--	4	2,483	0	8	78	-8	--	9	2,573
Reformulated	--	--	332	--	--	9	--	--	--	341
Conventional	--	4	2,152	0	8	69	-8	--	9	2,232
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	243	0	30	--	1	--	0	272
Kerosene	--	0	5	0	0	--	0	--	0	5
Distillate Fuel Oil	--	0	1,108	8	123	--	3	--	3	1,232
15 ppm sulfur and under	--	0	1,108	8	120	--	3	--	0	1,233
Greater than 15 ppm to 500 ppm sulfur	--	0	3	0	3	--	0	--	1	6
Greater than 500 ppm sulfur	--	0	-3	0	--	--	0	--	3	-6
Residual Fuel Oil	--	--	35	5	-19	--	0	--	5	17
Less than 0.31 percent sulfur	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	2	-9	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	21	3	-10	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	30	4	-3	--	0	--	--	31
Naphtha for Petro. Feed. Use	--	--	18	2	-3	--	0	--	--	18
Other Oils for Petro. Feed. Use	--	--	11	2	0	--	0	--	--	13
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	7	7	7	--	0	--	6	14
Waxes	--	--	1	1	--	--	0	--	1	1
Petroleum Coke	--	--	185	1	-27	--	0	--	12	147
Marketable	--	--	137	1	-27	--	0	--	12	99
Catalyst	--	--	48	--	--	--	--	--	--	48
Asphalt and Road Oil	--	--	168	23	-34	--	2	--	3	153
Still Gas	--	--	139	--	--	--	--	--	--	139
Miscellaneous Products	--	--	15	--	0	--	0	--	0	16
Total	2,746	1,005	4,530	2,878	-1,515	4	-65	4,299	496	4,918

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State energy 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, 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil⁶	2,876,531	--	--	459,789	373,787	185,090	-78,084	2,941,527	1,031,754	0	818,876
Hydrocarbon Gas Liquids	1,143,484	-144	158,759	54	321,908	--	-39,565	117,336	623,973	922,317	122,051
Natural Gas Liquids	1,143,484	-144	79,585	--	314,055	--	-39,390	117,336	623,973	835,061	120,913
Ethane	492,638	--	1,505	--	179,432	--	-9,399	--	77,303	605,671	54,288
Propane	350,063	--	55,588	--	102,666	--	-7,660	--	422,896	93,081	30,378
Normal Butane	80,793	--	23,625	--	41,595	--	-8,750	37,483	121,305	-4,025	19,928
Isobutane	103,265	--	-1,133	--	11,076	--	-3,011	42,719	1,042	72,458	6,414
Natural Gasoline	116,725	-144	--	--	-20,714	--	-10,570	37,134	1,427	67,875	9,905
Refinery Olefins	--	--	79,174	54	7,853	--	-175	--	--	87,256	1,138
Ethylene	--	--	69	--	--	--	0	--	--	69	0
Propylene	--	--	82,403	--	7,853	--	-171	--	--	90,427	779
Normal Butylene	--	--	-2,755	54	--	--	-20	--	--	-2,681	343
Isobutylene	--	--	-543	--	--	--	16	--	--	-559	16
Other Liquids	--	24,706	--	184,877	-664,403	55,108	-3,013	-586,322	156,271	33,352	121,700
Hydrogen/Biofuels/Other Hydrocarbons	--	24,706	--	484	63,423	46,390	170	101,417	19,686	13,730	5,558
Hydrogen	--	--	--	--	--	44,058	--	44,058	--	0	--
Biofuels (including Fuel Ethanol)	--	24,706	--	406	63,423	2,410	170	57,359	19,686	13,730	5,558
Fuel Ethanol	--	6,974	--	--	62,168	2,410	-425	53,333	18,644	0	3,891
Biofuels (excluding Fuel Ethanol) ⁷	--	17,732	--	406	1,255	--	595	4,026	1,042	13,730	1,667
Other Hydrocarbons	--	--	--	78	--	-78	--	0	--	0	--
Unfinished Oils	--	--	--	161,299	5,980	--	-2,542	41,754	108,280	19,787	41,147
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	23,094	-733,806	8,718	-635	-729,664	28,305	0	74,970
Reformulated	--	--	--	307	-133,221	61,646	-1,392	-69,908	32	0	9,493
Conventional	--	--	--	22,787	-600,585	-52,928	757	-659,756	28,273	0	65,477
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-6	171	--	-165	25
Finished Petroleum Products	--	83	2,495,960	69,697	-517,291	-11,128	-14,655	--	863,696	1,188,280	95,985
Finished Motor Gasoline	--	0	790,122	1,350	-40,562	-11,128	-1,576	--	277,381	463,977	6,769
Reformulated	--	--	159,028	--	--	-58,185	--	--	--	100,843	--
Conventional	--	0	631,094	1,350	-40,562	47,056	-1,576	--	277,381	363,133	6,769
Finished Aviation Gasoline	--	--	3,222	237	-1,259	--	84	--	--	2,116	507
Kerosene-Type Jet Fuel	--	--	236,119	--	-145,558	--	-1,362	--	30,926	60,997	11,062
Kerosene	--	--	965	--	-1,416	--	71	--	1,639	-2,161	314
Distillate Fuel Oil	--	83	974,531	1,706	-333,744	--	-13,378	--	359,095	296,859	39,408
15 ppm sulfur and under	--	83	904,862	1,086	-323,618	--	-12,850	--	305,792	289,472	34,627
Greater than 15 ppm to 500 ppm sulfur	--	0	29,393	--	-1,146	--	-248	--	20,861	7,634	1,084
Greater than 500 ppm sulfur	--	--	40,276	620	-8,980	--	-280	--	32,442	-246	3,697
Residual Fuel Oil	--	--	18,357	42,651	6,637	--	-396	--	22,919	45,122	15,710
Less than 0.31 percent sulfur	--	--	7,619	1,662	--	--	-140	--	NA	NA	1,071
0.31 to 1.00 percent sulfur	--	--	7,842	2,194	3,288	--	574	--	NA	NA	4,384
Greater than 1.00 percent sulfur	--	--	2,896	38,795	3,349	--	-830	--	NA	NA	10,255
Petrochemical Feedstocks	--	--	87,571	3,834	940	--	-276	--	--	92,621	2,006
Naphtha for Petro. Feed. Use	--	--	55,943	3,319	824	--	-124	--	--	60,210	1,468
Other Oils for Petro. Feed. Use	--	--	31,628	515	116	--	-152	--	--	32,411	538
Special Naphthas	--	--	10,965	3,774	-278	--	31	--	--	14,430	850
Lubricants	--	--	48,202	12,179	-7,924	--	2,814	--	27,884	21,759	9,846
Waxes	--	--	1,413	489	--	--	20	--	301	1,581	274
Petroleum Coke	--	--	151,427	3,349	8,171	--	-810	--	138,289	25,468	3,846
Marketable	--	--	115,160	3,349	8,171	--	-810	--	138,289	-10,799	3,846
Catalyst	--	--	36,267	--	--	--	--	--	--	36,267	--
Asphalt and Road Oil	--	--	29,444	128	-2,219	--	-11	--	5,068	22,295	4,956
Still Gas	--	--	125,781	--	--	--	--	--	--	125,781	--
Miscellaneous Products	--	--	17,841	--	-79	--	134	--	194	17,434	437
Total	4,020,015	24,645	2,654,719	714,417	-485,999	229,070	-135,317	2,472,541	2,675,694	2,143,949	1,158,611

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

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

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

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	7,881	--	--	1,260	1,024	507	-214	8,059	2,827	0
Hydrocarbon Gas Liquids	3,133	0	435	0	882	--	-108	321	1,710	2,527
Natural Gas Liquids	3,133	0	218	--	860	--	-108	321	1,710	2,288
Ethane	1,350	--	4	--	492	--	-26	--	212	1,659
Propane	959	--	152	--	281	--	-21	--	1,159	255
Normal Butane	221	--	65	--	114	--	-24	103	332	-11
Isobutane	283	--	-3	--	30	--	-8	117	3	199
Natural Gasoline	320	0	--	--	-57	--	-29	102	4	186
Refinery Olefins	--	--	217	0	22	--	0	--	--	239
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	226	--	22	--	0	--	--	248
Normal Butylene	--	--	-8	0	--	--	0	--	--	-7
Isobutylene	--	--	-1	--	--	--	0	--	--	-2
Other Liquids	--	68	--	507	-1,820	151	-8	-1,606	428	91
Hydrogen/Biofuels/Other Hydrocarbons	--	68	--	1	174	127	0	278	54	38
Hydrogen	--	--	--	--	--	121	--	121	--	0
Biofuels (including Fuel Ethanol)	--	68	--	1	174	7	0	157	54	38
Fuel Ethanol	--	19	--	--	170	7	-1	146	51	0
Biofuels (excluding Fuel Ethanol) ⁷	--	49	--	1	3	--	2	11	3	38
Other Hydrocarbons	--	--	--	0	--	0	--	0	--	0
Unfinished Oils	--	--	--	442	16	--	-7	114	297	54
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	63	-2,010	24	-2	-1,999	78	0
Reformulated	--	--	--	1	-365	169	-4	-192	0	0
Conventional	--	--	--	62	-1,645	-145	2	-1,808	77	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	0	6,838	191	-1,417	-30	-40	--	2,366	3,256
Finished Motor Gasoline	--	0	2,165	4	-111	-30	-4	--	760	1,271
Reformulated	--	--	436	--	--	-159	--	--	--	276
Conventional	--	0	1,729	4	-111	129	-4	--	760	995
Finished Aviation Gasoline	--	--	9	1	-3	--	0	--	--	6
Kerosene-Type Jet Fuel	--	--	647	--	-399	--	-4	--	85	167
Kerosene	--	--	3	--	-4	--	0	--	4	-6
Distillate Fuel Oil	--	0	2,670	5	-914	--	-37	--	984	813
15 ppm sulfur and under	--	0	2,479	3	-887	--	-35	--	838	793
Greater than 15 ppm to 500 ppm sulfur	--	0	81	--	-3	--	-1	--	57	21
Greater than 500 ppm sulfur	--	--	110	2	-25	--	-1	--	89	-1
Residual Fuel Oil	--	--	50	117	18	--	-1	--	63	124
Less than 0.31 percent sulfur	--	--	21	5	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	21	6	9	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	8	106	9	--	-2	--	NA	NA
Petrochemical Feedstocks	--	--	240	11	3	--	-1	--	--	254
Naphtha for Petro. Feed. Use	--	--	153	9	2	--	0	--	--	165
Other Oils for Petro. Feed. Use	--	--	87	1	0	--	0	--	--	89
Special Naphthas	--	--	30	10	-1	--	0	--	--	40
Lubricants	--	--	132	33	-22	--	8	--	76	60
Waxes	--	--	4	1	--	--	0	--	1	4
Petroleum Coke	--	--	415	9	22	--	-2	--	379	70
Marketable	--	--	316	9	22	--	-2	--	379	-30
Catalyst	--	--	99	--	--	--	--	--	--	99
Asphalt and Road Oil	--	--	81	0	-6	--	0	--	14	61
Still Gas	--	--	345	--	--	--	--	--	--	345
Miscellaneous Products	--	--	49	--	0	--	0	--	1	48
Total	11,014	68	7,273	1,957	-1,332	628	-371	6,774	7,331	5,874

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

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

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

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	293,359	--	--	150,177	-219,310	-16,596	-70	207,699	1	0	24,328
Hydrocarbon Gas Liquids	193,090	-89	3,640	5,677	-169,975	--	689	5,997	910	24,747	7,180
Natural Gas Liquids	193,090	-89	2,494	5,677	-169,975	--	786	5,997	910	23,504	7,104
Ethane	58,718	--	--	--	-56,436	--	367	--	5	1,910	1,299
Propane	67,943	--	2,839	4,673	-56,592	--	16	--	18	18,829	2,833
Normal Butane	27,276	--	-217	935	-22,254	--	459	2,595	63	2,623	1,821
Isobutane	11,724	--	-128	69	-12,602	--	2	1,894	0	-2,833	438
Natural Gasoline	27,429	-89	--	--	-22,091	--	-58	1,508	824	2,975	713
Refinery Olefins	--	--	1,146	--	--	--	-97	--	--	1,243	76
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	470	--	--	--	3	--	--	467	3
Normal Butylene	--	--	676	--	--	--	-100	--	--	776	73
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	6,193	--	1,106	13,599	-4,255	129	12,539	177	3,797	9,763
Hydrogen/Biofuels/Other Hydrocarbons	--	6,193	--	286	5,528	4,202	-7	13,936	169	2,110	420
Hydrogen	--	--	--	--	--	2,412	--	2,412	--	0	--
Biofuels (including Fuel Ethanol)	--	6,193	--	286	5,528	1,790	-7	11,524	169	2,110	420
Fuel Ethanol	--	3,624	--	--	5,224	1,790	-36	10,615	59	0	379
Biofuels (excluding Fuel Ethanol) ⁶	--	2,569	--	286	303	--	30	909	109	2,110	41
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	305	--	--	90	-1,474	2	1,687	2,778
Motor Gasoline Blend.Comp. (MGBGC)	--	--	--	515	8,071	-8,457	46	77	6	0	6,565
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	515	8,071	-8,457	46	77	6	0	6,565
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-4	231,128	3,238	-5,204	6,667	186	--	262	235,378	8,735
Finished Motor Gasoline	--	--	116,416	--	-4,596	6,667	-556	--	14	119,029	1,582
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	116,416	--	-4,596	6,667	-556	--	14	119,029	1,582
Finished Aviation Gasoline	--	--	66	34	--	--	2	--	--	98	9
Kerosene-Type Jet Fuel	--	--	11,961	484	6,966	--	126	--	--	19,285	692
Kerosene	--	--	2	--	--	--	-1	--	--	3	1
Distillate Fuel Oil	--	-4	68,932	2,004	1,831	--	411	--	0	72,352	4,526
15 ppm sulfur and under	--	-4	68,170	2,004	1,835	--	373	--	0	71,632	4,297
Greater than 15 ppm to 500 ppm sulfur	--	--	749	--	-4	--	10	--	0	735	163
Greater than 500 ppm sulfur	--	--	13	--	--	--	28	--	--	-15	66
Residual Fuel Oil	--	--	4,084	--	--	--	33	--	81	3,970	212
Less than 0.31 percent sulfur	--	--	2,213	--	--	--	-1	--	NA	NA	22
0.31 to 1.00 percent sulfur	--	--	288	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	1,583	--	--	--	34	--	NA	NA	186
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	140	-140	--
Waxes	--	--	--	--	--	--	--	--	5	-5	--
Petroleum Coke	--	--	7,675	--	-3,747	--	-59	--	0	3,987	137
Marketable	--	--	5,075	--	-3,747	--	-59	--	0	1,387	137
Catalyst	--	--	2,600	--	--	--	--	--	--	2,600	--
Asphalt and Road Oil	--	--	12,882	704	-5,658	--	229	--	21	7,678	1,559
Still Gas	--	--	7,783	--	--	--	--	--	--	7,783	--
Miscellaneous Products	--	--	1,327	12	--	--	1	--	--	1,338	17
Total	486,449	6,100	234,768	160,198	-380,890	-14,184	935	226,235	1,350	263,922	50,007

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	804	--	--	411	-601	-45	0	569	0	0
Hydrocarbon Gas Liquids	529	0	10	16	-466	--	2	16	2	68
Natural Gas Liquids	529	0	7	16	-466	--	2	16	2	64
Ethane	161	--	--	--	-155	--	1	--	0	5
Propane	186	--	8	13	-155	--	0	--	0	52
Normal Butane	75	--	-1	3	-61	--	1	7	0	7
Isobutane	32	--	0	0	-35	--	0	5	0	-8
Natural Gasoline	75	0	--	--	-61	--	0	4	2	8
Refinery Olefins	--	--	3	--	--	--	0	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	17	--	3	37	-12	0	34	0	10
Hydrogen/Biofuels/Other Hydrocarbons	--	17	--	1	15	12	0	38	0	6
Hydrogen	--	--	--	--	--	7	--	7	--	0
Biofuels (including Fuel Ethanol)	--	17	--	1	15	5	0	32	0	6
Fuel Ethanol	--	10	--	--	14	5	0	29	0	0
Biofuels (excluding Fuel Ethanol) ⁶	--	7	--	1	1	--	0	2	0	6
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1	--	--	0	-4	0	5
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	22	-23	0	0	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	1	22	-23	0	0	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	633	9	-14	18	1	--	1	645
Finished Motor Gasoline	--	--	319	--	-13	18	-2	--	0	326
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	319	--	-13	18	-2	--	0	326
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	33	1	19	--	0	--	--	53
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	189	5	5	--	1	--	0	198
15 ppm sulfur and under	--	0	187	5	5	--	1	--	0	196
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	0	--	0	--	0	2
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	21	--	-10	--	0	--	0	11
Marketable	--	--	14	--	-10	--	0	--	0	4
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	35	2	-16	--	1	--	0	21
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
Total	1,333	17	643	439	-1,044	-39	3	620	4	723

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	298,451	--	--	419,634	43,163	14,157	1,650	763,908	9,847	0	46,748
Hydrocarbon Gas Liquids	22,584	-67	14,881	16,794	11,275	--	-645	27,744	18,155	20,213	3,607
Natural Gas Liquids	22,584	-67	12,885	16,794	11,275	--	-682	27,744	18,155	18,254	3,557
Ethane	7	--	--	--	--	--	--	--	1	6	--
Propane	2,993	--	11,692	10,027	3,788	--	-473	--	9,312	19,661	1,670
Normal Butane	5,433	--	173	6,761	5,942	--	-173	9,900	8,525	57	1,513
Isobutane	3,057	--	1,020	6	1,545	--	-38	7,682	7	-2,023	334
Natural Gasoline	11,094	-67	--	--	--	--	2	10,162	310	553	40
Refinery Olefins	--	--	1,996	--	--	--	37	--	--	1,959	50
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	2,106	--	--	--	5	--	--	2,101	16
Normal Butylene	--	--	-110	--	--	--	32	--	--	-142	34
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	10,497	--	49,040	111,848	-11,350	2,051	133,425	6,642	17,917	51,500
Hydrogen/Biofuels/Other Hydrocarbons	--	10,501	--	11,884	58,273	14,836	345	77,776	3,452	13,921	4,992
Hydrogen	--	--	--	--	--	15,500	--	15,500	--	0	--
Biofuels (including Fuel Ethanol)	--	10,501	--	11,884	58,273	-664	345	62,276	3,452	13,921	4,992
Fuel Ethanol	--	3,010	--	1,447	51,661	-664	-630	53,519	2,565	0	2,357
Biofuels (excluding Fuel Ethanol) ⁶	--	7,491	--	10,437	6,613	--	975	8,757	887	13,921	2,635
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	21,054	--	--	2,538	13,545	975	3,996	18,933
Motor Gasoline Blend.Comp. (MGBC)	--	-5	--	16,102	53,575	-26,186	-832	42,104	2,215	0	27,575
Reformulated	--	-4	--	901	22,440	-869	-1,579	24,008	39	0	13,831
Conventional	--	0	--	15,201	31,135	-25,316	747	18,096	2,176	0	13,744
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	410	968,886	58,951	28,508	26,850	-3,942	--	90,839	996,708	31,953
Finished Motor Gasoline	--	338	527,553	8,572	1,642	26,850	-851	--	15,639	550,167	2,146
Reformulated	--	--	369,995	--	--	4,595	-2	--	--	374,592	16
Conventional	--	338	157,558	8,572	1,642	22,255	-849	--	15,639	175,575	2,130
Finished Aviation Gasoline	--	--	421	11	--	--	16	--	--	416	316
Kerosene-Type Jet Fuel	--	92	121,300	34,588	3,173	--	-879	--	6,285	153,747	8,066
Kerosene	--	--	104	--	--	--	22	--	219	-137	35
Distillate Fuel Oil	--	-20	186,149	7,338	16,455	--	-2,150	--	22,093	189,980	12,428
15 ppm sulfur and under	--	-20	178,032	5,769	16,451	--	-1,957	--	15,424	186,766	11,625
Greater than 15 ppm to 500 ppm sulfur	--	--	4,319	1,569	4	--	53	--	2,538	3,301	267
Greater than 500 ppm sulfur	--	--	3,798	--	--	--	-246	--	4,131	-87	536
Residual Fuel Oil	--	--	27,871	6,772	--	--	-395	--	6,328	28,710	4,350
Less than 0.31 percent sulfur	--	--	757	--	--	--	-469	--	NA	NA	1,089
0.31 to 1.00 percent sulfur	--	--	6,905	3,167	--	--	-87	--	NA	NA	435
Greater than 1.00 percent sulfur	--	--	20,209	3,605	--	--	161	--	NA	NA	2,826
Petrochemical Feedstocks	--	--	--	307	--	--	0	--	--	307	2
Naphtha for Petro. Feed. Use	--	--	--	307	--	--	0	--	--	307	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	398	--	--	--	-30	--	--	428	18
Lubricants	--	--	6,399	333	-576	--	55	--	3,695	2,406	949
Waxes	--	--	--	354	--	--	--	--	45	309	--
Petroleum Coke	--	--	44,876	--	1,318	--	119	--	36,113	9,962	1,335
Marketable	--	--	34,441	--	1,318	--	119	--	36,113	-473	1,335
Catalyst	--	--	10,435	--	--	--	--	--	--	10,435	--
Asphalt and Road Oil	--	--	9,496	676	6,495	--	150	--	319	16,198	2,222
Still Gas	--	--	40,126	--	--	--	--	--	--	40,126	--
Miscellaneous Products	--	--	4,193	--	--	--	2	--	103	4,088	87
Total	321,035	10,840	983,767	544,419	194,794	29,657	-886	925,077	125,484	1,034,838	133,809

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

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition				
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	818	--	--	1,150	118	39	5	2,093	27	0	
Hydrocarbon Gas Liquids	62	0	41	46	31	--	-2	76	50	55	
Natural Gas Liquids	62	0	35	46	31	--	-2	76	50	50	
Ethane	0	--	--	--	--	--	--	--	0	0	
Propane	8	--	32	27	10	--	-1	--	26	54	
Normal Butane	15	--	0	19	16	--	0	27	23	0	
Isobutane	8	--	3	0	4	--	0	21	0	-6	
Natural Gasoline	30	0	--	--	--	--	0	28	1	2	
Refinery Olefins	--	--	5	--	--	--	0	--	--	5	
Ethylene	--	--	--	--	--	--	--	--	--	--	
Propylene	--	--	6	--	--	--	0	--	--	6	
Normal Butylene	--	--	0	--	--	--	0	--	--	0	
Isobutylene	--	--	--	--	--	--	0	--	--	0	
Other Liquids	--	29	--	134	306	-31	6	366	18	49	
Hydrogen/Biofuels/Other Hydrocarbons	--	29	--	33	160	41	1	213	9	38	
Hydrogen	--	--	--	--	--	42	--	42	--	0	
Biofuels (including Fuel Ethanol)	--	29	--	33	160	-2	1	171	9	38	
Fuel Ethanol	--	8	--	4	142	-2	-2	147	7	0	
Biofuels (excluding Fuel Ethanol) ⁶	--	21	--	29	18	--	3	24	2	38	
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	
Unfinished Oils	--	--	--	58	--	--	7	37	3	11	
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	44	147	-72	-2	115	6	0	
Reformulated	--	0	--	2	61	-2	-4	66	0	0	
Conventional	--	0	--	42	85	-69	2	50	6	0	
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	
Finished Petroleum Products	--	1	2,654	162	78	74	-11	--	249	2,731	
Finished Motor Gasoline	--	1	1,445	23	4	74	-2	--	43	1,507	
Reformulated	--	--	1,014	--	--	13	0	--	--	1,026	
Conventional	--	1	432	23	4	61	-2	--	43	481	
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1	
Kerosene-Type Jet Fuel	--	0	332	95	9	--	-2	--	17	421	
Kerosene	--	--	0	--	--	--	0	--	1	0	
Distillate Fuel Oil	--	0	510	20	45	--	-6	--	61	520	
15 ppm sulfur and under	--	0	488	16	45	--	-5	--	42	512	
Greater than 15 ppm to 500 ppm sulfur	--	--	12	4	0	--	0	--	7	9	
Greater than 500 ppm sulfur	--	--	10	--	--	--	-1	--	11	0	
Residual Fuel Oil	--	--	76	19	--	--	-1	--	17	79	
Less than 0.31 percent sulfur	--	--	2	--	--	--	-1	--	NA	NA	
0.31 to 1.00 percent sulfur	--	--	19	9	--	--	0	--	NA	NA	
Greater than 1.00 percent sulfur	--	--	55	10	--	--	0	--	NA	NA	
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1	
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1	
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	
Special Naphthas	--	--	1	--	--	--	0	--	--	1	
Lubricants	--	--	18	1	-2	--	0	--	10	7	
Waxes	--	--	--	1	--	--	--	--	0	1	
Petroleum Coke	--	--	123	--	4	--	0	--	99	27	
Marketable	--	--	94	--	4	--	0	--	99	-1	
Catalyst	--	--	29	--	--	--	--	--	--	29	
Asphalt and Road Oil	--	--	26	2	18	--	0	--	1	44	
Still Gas	--	--	110	--	--	--	--	--	--	110	
Miscellaneous Products	--	--	11	--	--	--	0	--	0	11	
Total	880	30	2,695	1,492	534	81	-2	2,534	344	2,835	

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² 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.

³ 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.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus 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.

⁶ Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, 2021
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	26,137	613,107	2,876,531	293,359	298,451	4,107,585	11,254
Alaskan	--	--	--	--	--	159,623	437
Lower 48 States	--	--	--	--	--	3,947,962	10,816
Imports (PAD District of Entry)	200,734	1,001,216	459,789	150,177	419,634	2,231,550	6,114
Commercial	200,734	1,001,216	459,789	150,177	419,634	2,231,550	6,114
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	29,937	-227,576	373,787	-219,310	43,163	--	--
Adjustments ¹	-8,279	-12,335	185,090	-16,596	14,157	162,038	444
Disposition							
Stock Change ²	-2,481	-29,706	-78,084	-70	1,650	-108,691	-298
Commercial	-2,481	-29,706	-33,680	-70	1,650	-64,287	-176
SPR	--	--	-44,404	--	--	-44,404	-122
Refinery Inputs	245,401	1,369,939	2,941,527	207,699	763,908	5,528,474	15,147
Exports	5,609	34,179	1,031,754	1	9,847	1,081,390	2,963
Ending Stocks							
Total	7,395	117,519	818,876	24,328	46,748	1,014,866	--
Commercial	7,395	117,519	225,194	24,328	46,748	421,184	--
Refinery	5,872	12,926	40,941	2,535	20,561	82,835	--
Tank Farms and Pipelines	1,523	104,593	184,253	21,793	22,639	334,801	--
Cushing, Oklahoma	--	37,616	--	--	--	37,616	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	3,548	3,548	--
SPR	--	--	593,682	--	--	593,682	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	58.5	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	33.1	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	--	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	200,734	1,001,216	459,789	150,177	419,634	2,231,550	6,114
PAD District of Processing	209,684	920,887	567,285	108,434	425,260	2,231,550	6,114

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil 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, 2021
(Thousand Barrels)

PAD District and State	2021	
	Total	Daily Average
PAD District 1	26,137	72
Florida	1,490	4
New York	147	0
Pennsylvania	6,253	17
Virginia	5	0
West Virginia	18,241	50
PAD District 2	613,107	1,680
Illinois	7,057	19
Indiana	1,523	4
Kansas	27,905	76
Kentucky	2,464	7
Michigan	4,339	12
Missouri	60	0
Nebraska	1,706	5
North Dakota	405,128	1,110
Ohio	18,688	51
Oklahoma	143,052	392
South Dakota	1,028	3
Tennessee	157	0
PAD District 3	2,876,531	7,881
Alabama	4,289	12
Arkansas	4,211	12
Louisiana	34,719	95
Mississippi	13,434	37
New Mexico	457,200	1,253
Texas	1,739,660	4,766
Federal Offshore PAD District 3	623,018	1,707
PAD District 4	293,359	804
Colorado	153,423	420
Idaho	25	0
Montana	18,994	52
Utah	35,488	97
Wyoming	85,429	234
PAD District 5	298,451	818
Alaska	159,623	437
South Alaska	3,462	9
North Slope	156,161	428
Arizona	6	0
California	134,612	369
Nevada	218	1
Federal Offshore PAD District 5	3,992	11
U.S. Total	4,107,585	11,254

— = 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, 2021
(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
Hydrocarbon Gas Liquids	130	231,699	231,829	58,348	136,775	193,975	389,098
Natural Gas Liquids	130	231,699	231,829	58,348	136,775	193,975	389,098
Ethane	-	89,281	89,281	20,779	36,513	86,550	143,842
Propane	47	82,504	82,551	24,124	50,862	58,178	133,164
Normal Butane	83	25,912	25,995	4,677	21,841	18,858	45,376
Isobutane	-	10,805	10,805	5,176	7,044	10,555	22,775
Natural Gasoline	-	23,197	23,197	3,592	20,515	19,834	43,941

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			
Hydrocarbon Gas Liquids	910,248	51,905	63,716	5,583	112,032	1,143,484	193,090	22,584	1,980,085
Natural Gas Liquids	910,248	51,905	63,716	5,583	112,032	1,143,484	193,090	22,584	1,980,085
Ethane	396,554	25,868	25,987	1,128	43,101	492,638	58,718	7	784,486
Propane	277,527	14,152	20,583	1,708	36,093	350,063	67,943	2,993	636,714
Normal Butane	93,817	-33,093	7,177	742	12,150	80,793	27,276	5,433	184,873
Isobutane	50,578	40,771	3,936	583	7,397	103,265	11,724	3,057	151,626
Natural Gasoline	91,772	4,207	6,033	1,422	13,291	116,725	27,429	11,094	222,386

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
Hydrocarbon Gas Liquids	4	244	248	898	121	462	1,481
Natural Gas Liquids	4	244	248	898	121	462	1,481
Ethane	-	-	-	33	4	125	162
Propane	2	120	122	559	44	61	664
Normal Butane	2	46	48	123	22	21	166
Isobutane	-	6	6	72	6	61	139
Natural Gasoline	-	72	72	111	45	194	350

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			
Hydrocarbon Gas Liquids	258	302	563	4	1	1,128	165	388	3,410
Natural Gas Liquids	258	302	563	4	1	1,128	165	388	3,410
Ethane	51	14	-	-	-	65	6	-	233
Propane	65	40	21	1	-	127	63	136	1,112
Normal Butane	21	30	353	-	-	404	31	175	824
Isobutane	64	14	26	-	-	104	21	42	312
Natural Gasoline	57	204	163	3	1	428	44	35	929

- = 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, 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	211,802	33,599	245,401	883,054	179,325	307,560	1,369,939
Hydrocarbon Gas Liquids	14,829	1	14,830	19,634	1,460	13,324	34,418
Natural Gas Liquids	14,829	1	14,830	19,634	1,460	13,324	34,418
Normal Butane	10,348	1	10,349	4,301	677	2,610	7,588
Isobutane	1,479	-	1,479	12,243	694	4,960	17,897
Natural Gasoline	3,002	-	3,002	3,090	89	5,754	8,933
Other Liquids	940,025	69,481	1,009,506	100,791	36,834	27,265	164,890
Hydrogen/Biofuels/Other Hydrocarbons	112,645	9,217	121,862	67,012	17,880	21,803	106,695
Hydrogen	1,058	84	1,142	8,262	3,260	2,284	13,806
Biofuels (Including Fuel Ethanol)	111,587	9,133	120,720	58,589	14,620	19,519	92,728
Fuel Ethanol	108,333	8,295	116,628	56,146	12,866	18,640	87,652
Biodiesel	3,248	838	4,086	2,443	1,754	879	5,076
Renewable Diesel Fuel	6	-	6	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	161	-	-	161
Unfinished Oils (net)	18,697	-2,165	16,532	-4,605	-332	-821	-5,758
Naphthas and Lighter	225	-1,425	-1,200	1,406	13	281	1,700
Kerosene and Light Gas Oils	3,067	-	3,067	-2,226	-73	86	-2,213
Heavy Gas Oils	11,580	-699	10,881	-1,896	-272	49	-2,119
Residuum	3,825	-41	3,784	-1,889	-	-1,237	-3,126
Motor Gasoline Blend.Comp. (MGBC)(net)	808,683	62,429	871,112	38,384	19,286	6,283	63,953
Reformulated - RBOB	186,485	-	186,485	-3,713	14,080	10,133	20,500
Conventional	622,198	62,429	684,627	42,097	5,206	-3,850	43,453
CBOB	499,087	62,458	561,545	47,700	4,825	-3,640	48,885
GTAB	48,476	-	48,476	-	-	-	-
Other	74,635	-29	74,606	-5,603	381	-210	-5,432
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	1,166,656	103,081	1,269,737	1,003,479	217,619	348,149	1,569,247

See footnotes at end of table.

Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	240,636	1,550,164	1,036,678	80,538	33,511	2,941,527	207,699	763,908	5,528,474
Hydrocarbon Gas Liquids	7,179	68,346	39,377	1,049	1,385	117,336	5,997	27,744	200,325
Natural Gas Liquids	7,179	68,346	39,377	1,049	1,385	117,336	5,997	27,744	200,325
Normal Butane	3,556	19,055	14,285	587	—	37,483	2,595	9,900	67,915
Isobutane	2,865	21,639	16,445	405	1,365	42,719	1,894	7,682	71,671
Natural Gasoline	758	27,652	8,647	57	20	37,134	1,508	10,162	60,739
Other Liquids	108,867	-492,275	-287,687	86,004	-1,231	-586,322	12,539	133,425	734,038
Hydrogen/Biofuels/Other Hydrocarbons	25,872	36,915	23,371	12,986	2,273	101,417	13,936	77,776	421,686
Hydrogen	1,237	25,628	16,135	714	344	44,058	2,412	15,500	76,918
Biofuels (Including Fuel Ethanol)	24,635	11,287	7,236	12,272	1,929	57,359	11,524	62,276	344,607
Fuel Ethanol	23,952	10,017	5,861	11,786	1,717	53,333	10,615	53,519	321,747
Biodiesel	683	1,057	485	486	212	2,923	396	4,793	17,274
Renewable Diesel Fuel	—	-34	—	—	—	-34	—	3,886	3,858
Other Biofuels ¹	—	247	890	—	—	1,137	513	78	1,728
Other Hydrocarbons	—	—	0	—	—	0	—	—	161
Unfinished Oils (net)	-1,596	-45,796	90,532	-631	-755	41,754	-1,474	13,545	64,599
Naphthas and Lighter	-469	-75,698	-5,028	188	-183	-81,190	-1,098	-1,699	-83,487
Kerosene and Light Gas Oils	88	-14,221	2,066	-224	-178	-12,469	137	-6,912	-18,390
Heavy Gas Oils	-707	20,888	56,378	363	-394	76,528	-250	15,669	100,709
Residuum	-508	23,235	37,116	-958	—	58,885	-263	6,487	65,767
Motor Gasoline Blend.Comp. (MGBC)(net)	84,477	-483,405	-401,636	73,649	-2,749	-729,664	77	42,104	247,582
Reformulated - RBOB	67,233	-89,499	-40,746	219	-7,115	-69,908	—	24,008	161,085
Conventional	17,244	-393,906	-360,890	73,430	4,366	-659,756	77	18,096	86,497
CBOB	18,080	-378,610	-353,469	73,711	4,271	-636,017	-789	11,058	-15,318
GTAB	—	—	—	—	—	—	—	—	48,476
Other	-836	-15,296	-7,421	-281	95	-23,739	866	7,038	53,339
Aviation Gasoline Blend. Comp. (net)	114	11	46	—	—	171	—	—	171
Total Input	356,682	1,126,235	788,368	167,591	33,665	2,472,541	226,235	925,077	6,462,837

-- = Not Applicable.

- = No Data Reported.

¹ 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, 2021
(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	7,378	320	7,698	32,732	2,112	5,383	40,227
Natural Gas Liquids	1,874	320	2,194	20,757	317	2,560	23,634
Ethane	-	-	-	-	-	-	-
Propane	4,667	294	4,961	17,488	3,328	5,429	26,245
Normal Butane	-2,087	188	-1,899	3,984	-2,414	-2,200	-630
Isobutane	-706	-162	-868	-715	-597	-669	-1,981
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	5,504	-	5,504	11,975	1,795	2,823	16,593
Ethylene	208	-	208	-	-	-	-
Propylene	5,011	-	5,011	11,518	1,846	2,771	16,135
Butylene	-101	-	-101	457	-51	52	458
Isobutylene	386	-	386	-	-	-	-
Finished Motor Gasoline	1,055,317	82,136	1,137,453	583,834	127,499	195,106	906,439
Reformulated	427,167	432	427,599	92,434	17,360	11,305	121,099
Reformulated Blended with Fuel Ethanol	427,164	432	427,596	92,434	17,358	11,305	121,097
Reformulated Other	3	-	3	-	2	-	2
Conventional	628,150	81,704	709,854	491,400	110,139	183,801	785,340
Conventional Blended with Fuel Ethanol	645,588	82,459	728,047	461,686	108,094	167,129	736,909
Ed55 and Lower	644,986	82,459	727,445	461,500	107,748	166,057	735,305
Greater than Ed55	602	-	602	186	346	1,072	1,604
Conventional Other	-17,438	-755	-18,193	29,714	2,045	16,672	48,431
Finished Aviation Gasoline	-	-45	-45	-	260	-	260
Kerosene-Type Jet Fuel	20,483	-12	20,471	70,160	8,699	9,762	88,621
Kerosene	544	26	570	1,324	-	400	1,724
Distillate Fuel Oil	60,387	9,194	69,581	226,414	57,918	120,163	404,495
15 ppm sulfur and under	62,462	8,985	71,447	226,430	57,903	120,249	404,582
Greater than 15 ppm to 500 ppm sulfur	173	-31	142	-27	-	1,159	1,132
Greater than 500 ppm sulfur	-2,248	240	-2,008	11	15	-1,245	-1,219
Residual Fuel Oil	14,562	37	14,599	9,414	2,045	1,467	12,926
Less than 0.31 percent sulfur	-181	29	-152	1,018	-	1	1,019
0.31 to 1.00 percent sulfur	11,293	8	11,301	3,106	865	241	4,212
Greater than 1.00 percent sulfur	3,450	-	3,450	5,290	1,180	1,225	7,695
Petrochemical Feedstocks	-	-	-	10,437	-	355	10,792
Naphtha for Petro. Feed. Use	-	-	-	6,605	-	-	6,605
Other Oils for Petro. Feed. Use	-	-	-	3,832	-	355	4,187
Special Naphthas	-	148	148	-259	-	192	-67
Lubricants	1,917	2,200	4,117	-	-	2,456	2,456
Waxes	-	-179	-179	-	-	426	426
Petroleum Coke	7,535	218	7,753	46,114	10,872	10,402	67,388
Marketable	2,574	-	2,574	33,512	8,816	7,586	49,914
Catalyst	4,961	218	5,179	12,602	2,056	2,816	17,474
Asphalt and Road Oil	3,548	7,763	11,311	42,850	14,913	3,600	61,363
Still Gas	9,758	550	10,308	31,286	7,007	12,516	50,809
Miscellaneous Products	577	547	1,124	3,675	1,333	630	5,638
Total	1,182,006	102,903	1,284,909	1,057,981	232,658	362,858	1,653,497
Processing Gain(-) or Loss(+)	-15,350	178	-15,172	-54,502	-15,039	-14,709	-84,250

See footnotes at end of table.

Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, 2021
(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	8,916	83,830	65,536	162	315	158,759	3,640	14,881	225,205
Natural Gas Liquids	4,037	42,797	32,524	-88	315	79,585	2,494	12,885	120,792
Ethane	59	1,085	361	-	-	1,505	-	-	1,505
Propane	3,231	27,825	24,032	142	358	55,588	2,839	11,692	101,325
Normal Butane	872	17,445	5,567	-230	-29	23,625	-217	173	21,052
Isobutane	-125	-3,558	2,564	-	-14	-1,133	-128	1,020	-3,090
Natural Gasoline	-	-	-	-	-	-	-	-	-
Refinery Olefins	4,879	41,033	33,012	250	-	79,174	1,146	1,996	104,413
Ethylene	-	69	-	-	-	69	-	-	277
Propylene	5,011	43,418	33,724	250	-	82,403	470	2,106	106,125
Butylene	-132	-1,911	-712	-	-	-2,755	676	-110	-1,832
Isobutylene	-	-543	-	-	-	-543	-	-	-157
Finished Motor Gasoline	241,055	268,162	154,075	109,493	17,337	790,122	116,416	527,553	3,477,983
Reformulated	84,131	74,897	-	-	-	159,028	-	369,995	1,077,721
Reformulated Blended with Fuel Ethanol	84,128	74,890	-	-	-	159,018	-	369,995	1,077,706
Reformulated Other	3	7	-	-	-	10	-	-	15
Conventional	156,924	193,265	154,075	109,493	17,337	631,094	116,416	157,558	2,400,262
Conventional Blended with Fuel Ethanol	153,599	24,411	58,644	116,873	17,409	370,936	105,553	163,354	2,104,799
Ed55 and Lower	153,439	24,404	58,644	116,715	17,399	370,601	105,367	163,316	2,102,034
Greater than Ed55	160	7	-	158	10	335	186	38	2,765
Conventional Other	3,325	168,854	95,431	-7,380	-72	260,158	10,863	-5,796	295,463
Finished Aviation Gasoline	1,022	925	1,275	-	-	3,222	66	421	3,924
Kerosene-Type Jet Fuel	16,087	121,045	96,942	2,047	-2	236,119	11,961	121,300	478,472
Kerosene	0	790	-18	193	-	965	2	104	3,365
Distillate Fuel Oil	74,218	484,443	374,220	27,828	13,822	974,531	68,932	186,149	1,703,688
15 ppm sulfur and under	74,226	470,356	319,714	26,744	13,822	904,862	68,170	178,032	1,627,093
Greater than 15 ppm to 500 ppm sulfur	-8	2,911	25,328	1,162	-	29,393	749	4,319	35,735
Greater than 500 ppm sulfur	-	11,176	29,178	-78	-	40,276	13	3,798	40,860
Residual Fuel Oil	3,439	6,149	8,259	-144	654	18,357	4,084	27,871	77,837
Less than 0.31 percent sulfur	2,365	-	5,254	-	-	7,619	2,213	757	11,456
0.31 to 1.00 percent sulfur	12	4,038	3,936	-144	-	7,842	288	6,905	30,548
Greater than 1.00 percent sulfur	1,062	2,111	-931	-	654	2,896	1,583	20,209	35,833
Petrochemical Feedstocks	1,504	56,267	29,794	6	-	87,571	-	-	98,363
Naphtha for Petro. Feed. Use	1,423	37,477	17,037	6	-	55,943	-	-	62,548
Other Oils for Petro. Feed. Use	81	18,790	12,757	-	-	31,628	-	-	35,815
Special Naphthas	876	7,807	-	2,282	-	10,965	-	398	11,444
Lubricants	183	18,838	19,493	9,688	-	48,202	-	6,399	61,174
Waxes	-	566	628	219	-	1,413	-	-	1,660
Petroleum Coke	4,893	85,782	58,799	1,711	242	151,427	7,675	44,876	279,119
Marketable	2,087	65,447	46,076	1,550	-	115,160	5,075	34,441	207,164
Catalyst	2,806	20,335	12,723	161	242	36,267	2,600	10,435	71,955
Asphalt and Road Oil	2,802	3,991	9,191	12,801	659	29,444	12,882	9,496	124,496
Still Gas	9,761	70,203	41,848	3,215	754	125,781	7,783	40,126	234,807
Miscellaneous Products	1,731	10,286	5,134	177	513	17,841	1,327	4,193	30,123
Total	366,487	1,219,084	865,176	169,678	34,294	2,654,719	234,768	983,767	6,811,660
Processing Gain(-) or Loss(+)	-9,805	-92,849	-76,808	-2,087	-629	-182,178	-8,533	-58,690	-348,823

- = 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, 2021
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	211,802	33,599	245,401	883,054	179,325	307,560	1,369,939
Hydrocarbon Gas Liquids	2,796	-	2,796	18,756	694	10,294	29,744
Natural Gas Liquids	2,796	-	2,796	18,756	694	10,294	29,744
Normal Butane	1,317	-	1,317	3,425	-	284	3,709
Isobutane	1,479	-	1,479	12,243	694	4,960	17,897
Natural Gasoline	-	-	-	3,088	-	5,050	8,138
Other Liquids	-98,583	-417	-99,000	-421,794	-65,852	-130,907	-618,553
Hydrogen/Biofuels/Other Hydrocarbons	1,853	1,711	3,564	11,431	5,644	4,188	21,263
Hydrogen	1,058	84	1,142	8,262	3,260	2,284	13,806
Biofuels (Including Fuel Ethanol)	795	1,627	2,422	3,008	2,384	1,904	7,296
Fuel Ethanol	795	1,319	2,114	2,028	1,918	1,659	5,605
Biodiesel	-	308	308	980	466	245	1,691
Renewable Diesel Fuel	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	161	-	-	161
Unfinished Oils (net)	18,697	-2,165	16,532	-4,613	-332	-821	-5,766
Naphthas and Lighter	225	-1,425	-1,200	1,406	13	281	1,700
Kerosene and Light Gas Oils	3,067	-	3,067	-2,226	-73	86	-2,213
Heavy Gas Oils	11,580	-699	10,881	-1,904	-272	49	-2,127
Residuum	3,825	-41	3,784	-1,889	-	-1,237	-3,126
Motor Gasoline Blend.Comp. (MGBC)(net)	-119,133	37	-119,096	-428,612	-71,164	-134,274	-634,050
Reformulated - RBOB	-84,331	-	-84,331	-83,081	-100	-	-83,181
Conventional	-34,802	37	-34,765	-345,531	-71,064	-134,274	-550,869
CBOB	-33,098	66	-33,032	-339,880	-71,102	-134,064	-545,046
GTAB	-	-	-	-	-	-	-
Other	-1,704	-29	-1,733	-5,651	38	-210	-5,823
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	116,015	33,182	149,197	480,016	114,167	186,947	781,130
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	602	92	694	2,414	503	844	3,761
Operable Capacity (daily average)	720	98	818	2,717	547	926	4,190
Operable Utilization Rate (percent) ²	83.6	94.0	84.9	88.8	92.0	91.2	89.8
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	101	13	114	432	73	160	665
Catalytic Cracking	238	15	253	742	141	201	1,083
Catalytic Hydrocracking	41	-	41	182	57	57	296
Delayed and Fluid Coking	34	-	34	315	68	82	465
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.78	1.62	0.89	1.54	1.90	0.65	1.39
API Gravity, Weighted Average (degrees)	36.68	32.28	36.06	32.94	27.11	38.86	33.44
Operable Capacity (daily average)	720	98	818	2,717	547	926	4,190
Operating	720	98	818	2,661	509	913	4,083
Idle	-	-	-	56	38	12	106
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2021
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	240,636	1,550,164	1,036,678	80,538	33,511	2,941,527	207,699	763,908	5,528,474
Hydrocarbon Gas Liquids	6,822	47,064	37,724	641	1,385	93,636	5,405	27,354	158,935
Natural Gas Liquids	6,822	47,064	37,724	641	1,385	93,636	5,405	27,354	158,935
Normal Butane	3,309	14,917	12,632	183	—	31,041	2,097	9,510	47,674
Isobutane	2,865	21,639	16,445	405	1,365	42,719	1,869	7,682	71,646
Natural Gasoline	648	10,508	8,647	53	20	19,876	1,439	10,162	39,615
Other Liquids	-101,535	-594,512	-322,321	-17,322	-17,393	-1,053,083	-49,446	-368,776	-2,188,858
Hydrogen/Biofuels/Other Hydrocarbons	4,106	26,528	19,768	1,391	478	52,271	6,130	20,388	103,616
Hydrogen	1,237	25,628	16,135	714	344	44,058	2,412	15,500	76,918
Biofuels (Including Fuel Ethanol)	2,869	900	3,633	677	134	8,213	3,718	4,888	26,537
Fuel Ethanol	2,419	594	2,258	518	69	5,858	3,027	1,262	17,866
Biodiesel	450	306	485	159	65	1,465	178	215	3,857
Renewable Diesel Fuel	—	—	—	—	—	—	—	3,333	3,333
Other Biofuels ¹	—	—	890	—	—	890	513	78	1,481
Other Hydrocarbons	—	—	0	—	—	0	—	—	161
Unfinished Oils (net)	-1,596	-45,796	90,448	-631	-755	41,670	-1,474	13,545	64,507
Naphthas and Lighter	-469	-75,698	-5,028	188	-183	-81,190	-1,098	-1,699	-83,487
Kerosene and Light Gas Oils	88	-14,221	1,979	-224	-178	-12,556	137	-6,912	-18,477
Heavy Gas Oils	-707	20,888	56,381	363	-394	76,531	-250	15,669	100,704
Residuum	-508	23,235	37,116	-958	—	58,885	-263	6,487	65,767
Motor Gasoline Blend.Comp. (MGBC)(net)	-104,159	-575,255	-432,583	-18,082	-17,116	-1,147,195	-54,102	-402,709	-2,357,152
Reformulated - RBOB	-9,493	-162,174	-40,746	—	-7,115	-219,528	—	-298,365	-685,405
Conventional	-94,666	-413,081	-391,837	-18,082	-10,001	-927,667	-54,102	-104,344	-1,671,747
CBOB	-93,830	-350,712	-370,084	-17,801	-9,991	-842,418	-54,956	-106,687	-1,582,139
GTAB	—	—	—	—	—	—	—	—	—
Other	-836	-62,369	-21,753	-281	-10	-85,249	854	2,343	-89,608
Aviation Gasoline Blend. Comp. (net)	114	11	46	—	—	171	—	—	171
Total Input to Refineries	145,923	1,002,716	752,081	63,857	17,503	1,982,080	163,658	422,486	3,498,551
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	662	4,415	3,031	193	92	8,393	570	2,256	15,674
Operable Capacity (daily average)	746	5,106	3,509	258	110	9,730	657	2,714	18,108
Operable Utilization Rate (percent) ²	88.7	86.5	86.4	74.5	83.5	86.3	86.7	83.1	86.6
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	146	631	514	33	19	1,343	92	378	2,592
Catalytic Cracking	171	1,180	863	15	23	2,252	153	587	4,328
Catalytic Hydrocracking	43	523	421	17	15	1,018	27	437	1,819
Delayed and Fluid Coking	24	676	468	31	—	1,198	55	387	2,138
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.59	1.40	1.17	1.44	0.83	1.24	1.39	1.25	1.27
API Gravity, Weighted Average (degrees)	39.98	34.07	32.53	31.15	39.15	34.08	33.00	28.76	33.21
Operable Capacity (daily average)	746	5,106	3,509	258	110	9,730	657	2,714	18,108
Operating	746	5,023	3,159	233	110	9,271	631	2,600	17,403
Idle	—	84	350	26	—	459	26	114	704
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	144,035	144,035

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

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

² Represents gross input divided by operable calendar day capacity.

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

Note: Refer to Appendix A for Refining District descriptions.

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

Table 19. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, 2021
(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	7,378	320	7,698	32,732	2,112	5,383	40,227
Natural Gas Liquids	1,874	320	2,194	20,757	317	2,560	23,634
Ethane	-	-	-	-	-	-	-
Propane	4,667	294	4,961	17,488	3,328	5,429	26,245
Normal Butane	-2,087	188	-1,899	3,984	-2,414	-2,200	-630
Isobutane	-706	-162	-868	-715	-597	-669	-1,981
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	5,504	-	5,504	11,975	1,795	2,823	16,593
Ethylene	208	-	208	-	-	-	-
Propylene	5,011	-	5,011	11,518	1,846	2,771	16,135
Butylene	-101	-	-101	457	-51	52	458
Isobutylene	386	-	386	-	-	-	-
Finished Motor Gasoline	7,902	12,699	20,601	61,468	25,349	34,541	121,358
Reformulated	7,902	-	7,902	-	-	35	35
Reformulated Blended with Fuel Ethanol	7,902	-	7,902	-	-	35	35
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	12,699	12,699	61,468	25,349	34,506	121,323
Conventional Blended with Fuel Ethanol	-	13,192	13,192	20,665	18,759	16,934	56,358
Ed55 and Lower	-	13,192	13,192	20,665	18,759	16,934	56,358
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	-493	-493	40,803	6,590	17,572	64,965
Finished Aviation Gasoline	-	-	-	-	260	-	260
Kerosene-Type Jet Fuel	20,483	-	20,483	70,456	8,728	9,770	88,954
Kerosene	570	32	602	1,339	-	398	1,737
Distillate Fuel Oil	57,029	8,670	65,699	225,047	56,605	119,551	401,203
15 ppm sulfur and under	59,016	8,461	67,477	225,127	56,590	119,629	401,346
Greater than 15 ppm to 500 ppm sulfur	-20	-31	-51	-91	-	-52	-143
Greater than 500 ppm sulfur	-1,967	240	-1,727	11	15	-26	0
Residual Fuel Oil	14,735	37	14,772	9,414	2,045	1,471	12,930
Less than 0.31 percent sulfur	-	29	29	1,018	-	1	1,019
0.31 to 1.00 percent sulfur	11,311	8	11,319	3,106	865	245	4,216
Greater than 1.00 percent sulfur	3,424	-	3,424	5,290	1,180	1,225	7,695
Petrochemical Feedstocks	-	-	-	10,437	-	355	10,792
Naphtha for Petro. Feed. Use	-	-	-	6,605	-	-	6,605
Other Oils for Petro. Feed. Use	-	-	-	3,832	-	355	4,187
Special Naphthas	-	148	148	-259	-	192	-67
Lubricants	1,917	2,200	4,117	-	-	2,456	2,456
Waxes	-	-179	-179	-	-	426	426
Petroleum Coke	7,535	218	7,753	46,114	10,872	10,402	67,388
Marketable	2,574	-	2,574	33,512	8,816	7,586	49,914
Catalyst	4,961	218	5,179	12,602	2,056	2,816	17,474
Asphalt and Road Oil	3,477	7,763	11,240	42,842	14,904	3,563	61,309
Still Gas	9,758	550	10,308	31,286	7,007	12,516	50,809
Miscellaneous Products	577	547	1,124	3,675	1,333	630	5,638
Total	131,361	33,005	164,366	534,551	129,215	201,654	865,420
Processing Gain(-) or Loss(+)	-15,346	177	-15,169	-54,535	-15,048	-14,707	-84,290

See footnotes at end of table.

Table 19. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, 2021
(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	8,916	83,830	65,536	162	315	158,759	3,640	14,881	225,205
Natural Gas Liquids	4,037	42,797	32,524	-88	315	79,585	2,494	12,885	120,792
Ethane	59	1,085	361	-	-	1,505	-	-	1,505
Propane	3,231	27,825	24,032	142	358	55,588	2,839	11,692	101,325
Normal Butane	872	17,445	5,567	-230	-29	23,625	-217	173	21,052
Isobutane	-125	-3,558	2,564	-	-14	-1,133	-128	1,020	-3,090
Natural Gasoline	-	-	-	-	-	-	-	-	-
Refinery Olefins	4,879	41,033	33,012	250	-	79,174	1,146	1,996	104,413
Ethylene	-	69	-	-	-	69	-	-	277
Propylene	5,011	43,418	33,724	250	-	82,403	470	2,106	106,125
Butylene	-132	-1,911	-712	-	-	-2,755	676	-110	-1,832
Isobutylene	-	-543	-	-	-	-543	-	-	-157
Finished Motor Gasoline	30,535	145,340	117,872	6,075	1,318	301,140	54,068	30,105	527,272
Reformulated	-	-	-	-	-	-	-	7,224	15,161
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	7,224	15,161
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	30,535	145,340	117,872	6,075	1,318	301,140	54,068	22,881	512,111
Conventional Blended with Fuel Ethanol	25,028	5,839	22,660	5,301	718	59,546	30,889	5,475	165,460
Ed55 and Lower	25,027	5,839	22,660	5,301	718	59,545	30,889	5,475	165,459
Greater than Ed55	1	-	-	-	-	1	-	-	1
Conventional Other	5,507	139,501	95,212	774	600	241,594	23,179	17,406	346,651
Finished Aviation Gasoline	1,022	925	1,275	-	-	3,222	66	421	3,969
Kerosene-Type Jet Fuel	16,086	120,931	96,852	2,052	-	235,921	11,094	121,430	477,882
Kerosene	0	907	-28	193	-	1,072	2	6	3,419
Distillate Fuel Oil	73,985	483,744	374,352	27,502	13,677	973,260	69,580	180,988	1,690,730
15 ppm sulfur and under	73,993	469,657	319,812	26,418	13,677	903,557	68,818	172,983	1,614,181
Greater than 15 ppm to 500 ppm sulfur	-8	2,911	25,328	1,162	-	29,393	749	4,319	34,267
Greater than 500 ppm sulfur	-	11,176	29,212	-78	-	40,310	13	3,686	42,282
Residual Fuel Oil	3,439	6,149	8,255	-144	654	18,353	4,084	27,870	78,009
Less than 0.31 percent sulfur	2,365	-	5,144	-	-	7,509	2,213	635	11,405
0.31 to 1.00 percent sulfur	12	4,038	3,903	-144	-	7,809	288	6,908	30,540
Greater than 1.00 percent sulfur	1,062	2,111	-792	-	654	3,035	1,583	20,327	36,064
Petrochemical Feedstocks	1,504	56,267	29,794	6	-	87,571	-	-	98,363
Naphtha for Petro. Feed. Use	1,423	37,477	17,037	6	-	55,943	-	-	62,548
Other Oils for Petro. Feed. Use	81	18,790	12,757	-	-	31,628	-	-	35,815
Special Naphthas	876	7,807	-	2,282	-	10,965	-	398	11,444
Lubricants	183	18,838	19,493	9,688	-	48,202	-	6,399	61,174
Waxes	-	566	628	219	-	1,413	-	-	1,660
Petroleum Coke	4,893	85,782	58,799	1,711	242	151,427	7,675	44,876	279,119
Marketable	2,087	65,447	46,076	1,550	-	115,160	5,075	34,441	207,164
Catalyst	2,806	20,335	12,723	161	242	36,267	2,600	10,435	71,955
Asphalt and Road Oil	2,802	3,991	9,077	12,801	659	29,330	12,882	9,496	124,257
Still Gas	9,761	70,203	41,848	3,215	754	125,781	7,783	40,126	234,807
Miscellaneous Products	1,731	10,286	5,134	177	513	17,841	1,327	4,193	30,123
Total	155,733	1,095,566	828,887	65,939	18,132	2,164,257	172,201	481,189	3,847,433
Processing Gain(-) or Loss(+)	-9,810	-92,850	-76,806	-2,082	-629	-182,177	-8,543	-58,703	-348,882

- = 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, 2021
(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	12,033	1	12,034	878	766	3,030	4,674
Natural Gas Liquids	12,033	1	12,034	878	766	3,030	4,674
Normal Butane	9,031	1	9,032	876	677	2,326	3,879
Isobutane	—	—	—	—	—	—	—
Natural Gasoline	3,002	—	3,002	2	89	704	795
Other Liquids	1,038,608	69,898	1,108,506	522,585	102,686	158,172	783,443
Oxygenates/Renewables	110,792	7,506	118,298	55,581	12,236	17,615	85,432
Biofuels (including Fuel Ethanol)	110,792	7,506	118,298	55,581	12,236	17,615	85,432
Fuel Ethanol	107,538	6,976	114,514	54,118	10,948	16,981	82,047
Biodiesel	3,248	530	3,778	1,463	1,288	634	3,385
Renewable Diesel Fuel	6	—	6	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—	—
Unfinished Oils (net)	—	—	—	8	—	—	8
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	—	—	—	8	—	—	8
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	927,816	62,392	990,208	466,996	90,450	140,557	698,003
Reformulated - RBOB	270,816	—	270,816	79,368	14,180	10,133	103,681
Conventional	657,000	62,392	719,392	387,628	76,270	130,424	594,322
CBOB	532,185	62,392	594,577	387,580	75,927	130,424	593,931
GTAB	48,476	—	48,476	—	—	—	—
Other	76,339	—	76,339	48	343	—	391
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	1,050,641	69,899	1,120,540	523,463	103,452	161,202	788,117

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	357	21,282	1,653	408	—	23,700	592	390	41,390
Natural Gas Liquids	357	21,282	1,653	408	—	23,700	592	390	41,390
Normal Butane	247	4,138	1,653	404	—	6,442	498	390	20,241
Isobutane	—	—	—	—	—	—	25	—	25
Natural Gasoline	110	17,144	—	4	—	17,258	69	—	21,124
Other Liquids	210,402	102,237	34,634	103,326	16,162	466,761	61,985	502,201	2,922,896
Oxygenates/Renewables	21,766	10,387	3,603	11,595	1,795	49,146	7,806	57,388	318,070
Biofuels (including Fuel Ethanol)	21,766	10,387	3,603	11,595	1,795	49,146	7,806	57,388	318,070
Fuel Ethanol	21,533	9,423	3,603	11,268	1,648	47,475	7,588	52,257	303,881
Biodiesel	233	751	—	327	147	1,458	218	4,578	13,417
Renewable Diesel Fuel	—	-34	—	—	—	-34	—	553	525
Other Biofuels ¹	—	247	—	—	—	247	—	—	247
Unfinished Oils (net)	—	0	84	—	—	84	—	—	92
Naphthas and Lighter	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	0	87	—	—	87	—	—	87
Heavy Gas Oils	—	—	-3	—	—	-3	—	—	5
Residuum	—	—	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	188,636	91,850	30,947	91,731	14,367	417,531	54,179	444,813	2,604,734
Reformulated - RBOB	76,726	72,675	—	219	—	149,620	—	322,373	846,490
Conventional	111,910	19,175	30,947	91,512	14,367	267,911	54,179	122,440	1,758,244
CBOB	111,910	-27,898	16,615	91,512	14,262	206,401	54,167	117,745	1,566,821
GTAB	—	—	—	—	—	—	—	—	48,476
Other	—	47,073	14,332	—	105	61,510	12	4,695	142,947
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—	—	—
Total Input	210,759	123,519	36,287	103,734	16,162	490,461	62,577	502,591	2,964,286

-- = Not Applicable.

- = No Data Reported.

¹ 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, 2021
(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	1,047,415	69,437	1,116,852	522,366	102,150	160,565	785,081
Reformulated	419,265	432	419,697	92,434	17,360	11,270	121,064
Reformulated Blended with Fuel Ethanol	419,262	432	419,694	92,434	17,358	11,270	121,062
Reformulated Other	3	-	3	-	2	-	2
Conventional	628,150	69,005	697,155	429,932	84,790	149,295	664,017
Conventional Blended with Fuel Ethanol	645,588	69,267	714,855	441,021	89,335	150,195	680,551
Ed55 and Lower	644,986	69,267	714,253	440,835	88,989	149,123	678,947
Greater than Ed55	602	-	602	186	346	1,072	1,604
Conventional Other	-17,438	-262	-17,700	-11,089	-4,545	-900	-16,534
Finished Aviation Gasoline	-	-45	-45	-	-	-	-
Kerosene-Type Jet Fuel	0	-12	-12	-296	-29	-8	-333
Kerosene	-26	-6	-32	-15	-	2	-13
Distillate Fuel Oil	3,358	524	3,882	1,367	1,313	612	3,292
15 ppm sulfur and under	3,446	524	3,970	1,303	1,313	620	3,236
Greater than 15 ppm to 500 ppm sulfur	193	-	193	64	-	1,211	1,275
Greater than 500 ppm sulfur	-281	-	-281	-	-	-1,219	-1,219
Residual Fuel Oil	-173	-	-173	-	-	-4	-4
Less than 0.31 percent sulfur	-181	-	-181	-	-	-	-
0.31 to 1.00 percent sulfur	-18	-	-18	-	-	-4	-4
Greater than 1.00 percent sulfur	26	-	26	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	71	-	71	8	9	37	54
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	1,050,645	69,898	1,120,543	523,430	103,443	161,204	788,077
Processing Gain(-) or Loss(+) ¹	-4	1	-3	33	9	-2	40

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	210,520	122,822	36,203	103,418	16,019	488,982	62,348	497,448	2,950,711
Reformulated	84,131	74,897	-	-	-	159,028	-	362,771	1,062,560
Reformulated Blended with Fuel Ethanol	84,128	74,890	-	-	-	159,018	-	362,771	1,062,545
Reformulated Other	3	7	-	-	-	10	-	-	15
Conventional	126,389	47,925	36,203	103,418	16,019	329,954	62,348	134,677	1,888,151
Conventional Blended with Fuel Ethanol	128,571	18,572	35,984	111,572	16,691	311,390	74,664	157,879	1,939,339
Ed55 and Lower	128,412	18,565	35,984	111,414	16,681	311,056	74,478	157,841	1,936,575
Greater than Ed55	159	7	-	158	10	334	186	38	2,764
Conventional Other	-2,182	29,353	219	-8,154	-672	18,564	-12,316	-23,202	-51,188
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-45
Kerosene-Type Jet Fuel	1	114	90	-5	-2	198	867	-130	590
Kerosene	-	-117	10	-	-	-107	-	98	-54
Distillate Fuel Oil	233	699	-132	326	145	1,271	-648	5,161	12,958
15 ppm sulfur and under	233	699	-98	326	145	1,305	-648	5,049	12,912
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	1,468
Greater than 500 ppm sulfur	-	0	-34	-	-	-34	-	112	-1,422
Residual Fuel Oil	-	0	4	-	-	4	-	1	-172
Less than 0.31 percent sulfur	-	-	110	-	-	110	-	122	51
0.31 to 1.00 percent sulfur	-	-	33	-	-	33	-	-3	8
Greater than 1.00 percent sulfur	-	0	-139	-	-	-139	-	-118	-231
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	114	-	-	114	-	-	239
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	210,754	123,518	36,289	103,739	16,162	490,462	62,567	502,578	2,964,227
Processing Gain(-) or Loss(+) ¹	5	1	-2	-5	0	-1	10	13	59

- = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

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

¹ Represents the arithmetic difference between input and production.

Table 22. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	5,185	687	5,872	9,439	1,552	1,935	12,926
Petroleum Products	9,793	2,272	12,065	29,730	7,243	10,617	47,590
Hydrocarbon Gas Liquids	636	40	676	2,613	493	1,182	4,288
Natural Gas Liquids	377	40	417	2,078	475	1,175	3,728
Ethane	—	—	—	—	—	—	—
Propane	82	4	86	456	34	601	1,091
Normal Butane	218	27	245	1,237	406	186	1,829
Isobutane	77	9	86	300	35	191	526
Natural Gasoline	—	—	—	85	—	197	282
Refinery Olefins	259	0	259	535	18	7	560
Ethylene	—	—	—	—	—	—	—
Propylene	146	0	146	428	18	7	453
Normal Butylene	84	0	84	107	0	0	107
Isobutylene	29	0	29	0	0	0	0
Biofuels/Other Hydrocarbons	134	98	232	73	60	31	164
Biofuels (including Fuel Ethanol)	134	98	232	57	60	31	148
Fuel Ethanol	134	87	221	37	44	26	107
Biodiesel	—	11	11	20	16	5	41
Renewable Diesel Fuel	—	—	—	—	—	—	—
Other Biofuels ¹	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	16	—	—	16
Unfinished Oils	2,851	451	3,302	8,442	1,101	3,624	13,167
Naphthas and Lighter	449	281	730	2,418	170	1,013	3,601
Kerosene and Light Gas Oils	337	—	337	2,030	366	344	2,740
Heavy Gas Oils	1,388	160	1,548	2,847	565	1,296	4,708
Residuum	677	10	687	1,147	—	971	2,118
Motor Gasoline Blending Components (MGBC)	3,014	269	3,283	8,333	1,692	2,911	12,936
Reformulated - RBOB	1,304	—	1,304	919	—	—	919
Conventional	1,710	269	1,979	7,414	1,692	2,911	12,017
CBOB	78	224	302	3,166	1,071	1,784	6,021
GTAB	—	—	—	—	—	—	—
Other	1,632	45	1,677	4,248	621	1,127	5,996
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	36	36	566	125	204	895
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	36	36	566	125	204	895
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	36	36	566	125	204	895
Finished Aviation Gasoline	—	—	—	—	73	—	73
Kerosene-Type Jet Fuel	644	—	644	1,418	225	292	1,935
Kerosene	55	8	63	76	—	17	93
Distillate Fuel Oil	1,484	228	1,712	3,890	1,174	1,563	6,627
15 ppm sulfur and under	1,278	175	1,453	3,685	1,104	1,456	6,245
Greater than 15 ppm to 500 ppm sulfur	42	34	76	—	1	49	50
Greater than 500 ppm sulfur	164	19	183	205	69	58	332
Residual Fuel Oil	261	21	282	557	188	94	839
Less than 0.31 percent sulfur	—	19	19	50	—	—	50
0.31 to 1.00 percent sulfur	88	2	90	104	57	32	193
Greater than 1.00 percent sulfur	173	—	173	403	131	62	596
Petrochemical Feedstocks	—	—	—	532	—	—	532
Naphtha for Petro. Feed. Use	—	—	—	412	—	—	412
Other Oils for Petro. Feed. Use	—	—	—	120	—	—	120
Special Naphthas	—	14	14	50	—	27	77
Lubricants	622	341	963	—	—	247	247
Waxes	—	235	235	—	—	40	40
Petroleum Coke	—	—	—	514	844	144	1,502
Marketable	—	—	—	514	844	144	1,502
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	78	480	558	2,586	1,232	233	4,051
Miscellaneous Products	14	51	65	80	36	8	124
Total Stocks, All Oils	14,978	2,959	17,937	39,169	8,795	12,552	60,516

See footnotes at end of table.

Table 22. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	2,199	23,135	14,221	1,050	336	40,941	2,535	20,561	82,835
Petroleum Products	10,044	56,506	39,605	3,984	1,279	111,418	10,748	46,985	228,806
Hydrocarbon Gas Liquids	2,310	1,860	1,453	16	67	5,706	410	1,396	12,476
Natural Gas Liquids	1,532	1,652	1,301	16	67	4,568	334	1,346	10,393
Ethane	12	—	—	—	—	12	—	—	12
Propane	293	481	76	2	3	855	47	103	2,182
Normal Butane	948	891	471	9	52	2,371	166	948	5,559
Isobutane	267	245	315	5	12	844	97	292	1,845
Natural Gasoline	12	35	439	—	—	486	24	3	795
Refinery Olefins	778	208	152	0	0	1,138	76	50	2,083
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	655	36	88	0	0	779	3	16	1,397
Normal Butylene	123	171	49	0	0	343	73	34	641
Isobutylene	0	1	15	0	0	16	0	0	45
Biofuels/Other Hydrocarbons	49	73	124	55	6	307	137	760	1,600
Biofuels (including Fuel Ethanol)	49	73	124	55	6	307	137	760	1,584
Fuel Ethanol	40	36	72	30	3	181	126	155	790
Biodiesel	9	37	52	25	3	126	11	2	191
Renewable Diesel Fuel	—	—	—	—	—	—	—	603	603
Other Biofuels ¹	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	16
Unfinished Oils	2,290	21,151	12,457	1,006	597	37,501	2,778	17,418	74,166
Naphthas and Lighter	831	6,162	1,746	339	175	9,253	611	2,841	17,036
Kerosene and Light Gas Oils	337	3,497	1,990	179	137	6,140	557	3,325	13,099
Heavy Gas Oils	707	9,110	6,296	420	285	16,818	1,233	8,244	32,551
Residuum	415	2,382	2,425	68	—	5,290	377	3,008	11,480
Motor Gasoline Blending Components (MGBC)	2,764	12,667	11,076	340	286	27,133	3,273	13,112	59,737
Reformulated - RBOB	181	1,225	124	—	6	1,536	—	4,842	8,601
Conventional	2,583	11,442	10,952	340	280	25,597	3,273	8,270	51,136
CBOB	1,326	3,369	5,800	263	78	10,836	1,868	2,376	21,403
GTAB	—	—	—	—	—	—	—	—	—
Other	1,257	8,073	5,152	77	202	14,761	1,405	5,894	29,733
Aviation Gasoline Blending Components	6	—	19	—	—	25	—	—	25
Finished Motor Gasoline	168	1,973	838	79	—	3,058	877	878	5,744
Reformulated	—	—	—	—	—	—	—	16	16
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	16	16
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	168	1,973	838	79	—	3,058	877	862	5,728
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	64	—	64
Ed55 and Lower	—	—	—	—	—	—	64	—	64
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	168	1,973	838	79	—	3,058	813	862	5,664
Finished Aviation Gasoline	28	203	142	—	—	373	9	211	666
Kerosene-Type Jet Fuel	339	2,557	1,865	56	—	4,817	324	3,392	11,112
Kerosene	34	—	9	3	—	46	1	3	206
Distillate Fuel Oil	1,096	7,121	4,999	431	103	13,750	1,859	4,624	28,572
15 ppm sulfur and under	1,070	6,178	4,177	299	103	11,827	1,659	4,125	25,309
Greater than 15 ppm to 500 ppm sulfur	26	45	160	46	—	277	134	245	782
Greater than 500 ppm sulfur	—	898	662	86	—	1,646	66	254	2,481
Residual Fuel Oil	135	1,859	1,257	20	85	3,356	212	2,070	6,759
Less than 0.31 percent sulfur	24	—	76	—	—	100	22	29	220
0.31 to 1.00 percent sulfur	54	225	254	20	—	553	4	241	1,081
Greater than 1.00 percent sulfur	57	1,634	927	—	85	2,703	186	1,800	5,458
Petrochemical Feedstocks	109	1,233	660	4	—	2,006	—	2	2,540
Naphtha for Petro. Feed. Use	30	795	639	4	—	1,468	—	2	1,882
Other Oils for Petro. Feed. Use	79	438	21	—	—	538	—	—	658
Special Naphthas	87	614	—	141	—	842	—	18	951
Lubricants	40	2,401	2,709	972	—	6,122	—	765	8,097
Waxes	—	88	107	79	—	274	—	—	549
Petroleum Coke	108	2,460	1,278	—	—	3,846	137	1,335	6,820
Marketable	108	2,460	1,278	—	—	3,846	137	1,335	6,820
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	448	59	531	781	111	1,930	714	914	8,167
Miscellaneous Products	33	187	81	1	24	326	17	87	619
Total Stocks, All Oils	12,243	79,641	53,826	5,034	1,615	152,359	13,283	67,546	311,641

-- = Not Applicable.

- = No Data Reported.

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

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 23. Percent Yield of Petroleum Products by PAD and Refining Districts, 2021

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	3.2	1.0	2.9	3.7	1.2	1.7	2.9
Finished Motor Gasoline ¹	53.3	36.0	51.2	52.9	51.5	50.8	52.3
Finished Aviation Gasoline ²	-	-	-	-	0.1	-	0.0
Kerosene-Type Jet Fuel	8.9	-	7.8	7.9	4.8	3.2	6.5
Kerosene	0.3	0.1	0.2	0.2	-	0.1	0.1
Distillate Fuel Oil ³	24.6	26.5	24.9	25.3	30.8	38.6	29.0
Residual Fuel Oil	6.4	0.1	5.6	1.1	1.1	0.5	0.9
Naphtha for Petro. Feed. Use	-	-	-	0.7	-	-	0.5
Other Oils for Petro. Feed. Use	-	-	-	0.4	-	0.1	0.3
Special Naphthas	-	0.5	0.1	0.0	-	0.1	0.0
Lubricants	0.8	7.0	1.6	-	-	0.8	0.2
Waxes	-	-0.6	-0.1	-	-	0.1	0.0
Petroleum Coke	3.3	0.7	3.0	5.2	6.0	3.4	4.9
Asphalt and Road Oil	1.5	24.6	4.3	4.8	8.2	1.2	4.5
Still Gas	4.2	1.8	3.9	3.5	3.8	4.1	3.7
Miscellaneous Products	0.3	1.7	0.4	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-6.6	0.6	-5.8	-6.2	-8.3	-4.8	-6.1

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	3.7	5.5	5.7	0.2	1.0	5.2	1.7	1.9	4.0
Finished Motor Gasoline ¹	52.2	44.0	44.7	28.5	51.3	44.6	47.8	51.0	47.8
Finished Aviation Gasoline ²	0.4	0.1	0.1	-	-	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel	6.7	7.9	8.5	2.6	-	7.8	5.3	15.3	8.4
Kerosene	0.0	0.1	0.0	0.2	-	0.0	0.0	0.0	0.1
Distillate Fuel Oil ³	30.6	31.6	32.6	33.9	41.1	32.1	33.0	22.4	29.7
Residual Fuel Oil	1.4	0.4	0.7	-0.2	2.0	0.6	2.0	3.5	1.4
Naphtha for Petro. Feed. Use	0.6	2.5	1.5	0.0	-	1.9	-	-	1.1
Other Oils for Petro. Feed. Use	0.0	1.2	1.1	-	-	1.0	-	-	0.6
Special Naphthas	0.4	0.5	-	2.8	-	0.4	-	0.1	0.2
Lubricants	0.1	1.2	1.7	12.0	-	1.6	-	0.8	1.1
Waxes	-	0.0	0.1	0.3	-	0.1	-	-	0.0
Petroleum Coke	2.0	5.6	5.1	2.1	0.7	5.0	3.7	5.7	4.9
Asphalt and Road Oil	1.2	0.3	0.8	15.9	2.0	1.0	6.2	1.2	2.2
Still Gas	4.1	4.6	3.7	4.0	2.3	4.2	3.7	5.1	4.1
Miscellaneous Products	0.7	0.7	0.5	0.2	1.6	0.6	0.6	0.5	0.5
Processing Gain(-) or Loss(+) ⁴	-4.1	-6.1	-6.7	-2.6	-1.9	-6.0	-4.1	-7.4	-6.2

- = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas liquids, fuel ethanol, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, renewable diesel fuel, and other biofuels.

⁴ 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, 2021
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	1,259	6,055	9,483	16,797
Connecticut	-	-	-	-
Delaware	-	-	6	6
Florida	-	1,211	423	1,634
Georgia	-	85	-	85
Maine	-	-	240	240
Maryland	-	-	-	-
Massachusetts	-	-	-	-
New Hampshire	-	-	-	-
New Jersey	939	4,662	5,786	11,387
New York	320	97	2,600	3,017
North Carolina	-	-	-	-
Pennsylvania	-	-	125	125
Rhode Island	-	-	303	303
South Carolina	-	-	-	-
Vermont	-	-	-	-
Virginia	-	-	-	-
West Virginia	-	-	-	-
PAD District 2	-	625	1,157	1,782
Illinois	-	-	576	576
Indiana	-	-	-	-
Michigan	-	1	411	412
Minnesota	-	129	31	160
North Dakota	-	123	139	262
Ohio	-	372	-	372
Wisconsin	-	-	-	-
PAD District 3	1,662	2,194	38,795	42,651
Alabama	-	-	-	-
Louisiana	1,080	945	7,794	9,819
Mississippi	-	-	5,873	5,873
New Mexico	-	-	-	-
Texas	582	1,249	25,128	26,959
PAD District 4	-	-	-	-
Idaho	-	-	-	-
Montana	-	-	-	-
PAD District 5	-	3,167	3,605	6,772
Alaska	-	-	-	-
California	-	2,395	2,960	5,355
Hawaii	-	-	-	-
Oregon	-	-	-	-
Washington	-	772	645	1,417
U.S. Total	2,921	12,041	53,040	68,002

- = 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, 2021
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	209,684	920,887	567,285	108,434	425,260	2,231,550	6,114
Hydrocarbon Gas Liquids	14,926	25,792	54	5,677	16,794	63,243	173
Natural Gas Liquids	11,709	23,066	—	5,677	16,794	57,246	157
Ethane	—	—	—	—	—	—	—
Propane	10,410	16,462	—	4,673	10,027	41,572	114
Normal Butane	995	4,557	—	935	6,761	13,248	36
Isobutane	304	1,979	—	69	6	2,358	6
Natural Gasoline	—	68	—	—	—	68	0
Refinery Olefins	3,217	2,726	54	—	—	5,997	16
Ethylene	—	—	—	—	—	—	—
Propylene	3,217	2,026	—	—	—	5,243	14
Normal Butylene	—	680	54	—	—	734	2
Isobutylene	—	20	—	—	—	20	0
Other Liquids	233,644	5,513	185,078	998	49,040	474,273	1,299
Hydrogen/Biofuels/Other Hydrocarbons	2,087	1,156	484	286	11,884	15,897	44
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	2,087	1,156	406	286	11,884	15,819	43
Fuel Ethanol	—	—	—	—	1,447	1,447	4
Biodiesel	2,087	1,156	356	286	1,120	5,005	14
Renewable Diesel Fuel	—	—	50	—	9,290	9,340	26
Other Biofuels ³	—	—	—	—	27	27	0
Other Hydrocarbons	—	—	78	—	—	78	0
Unfinished Oils ¹	21,114	—	161,500	197	21,054	203,865	559
Naphthas and Lighter	4,023	—	104	—	346	4,473	12
Kerosene and Lighter Gas Oils	—	—	166	119	122	407	1
Heavy Gas Oils	17,091	—	65,051	78	20,266	102,486	281
Residuum	—	—	96,179	—	320	96,499	264
Motor Gasoline Blend.Comp. (MGBC)	210,443	4,357	23,094	515	16,102	254,511	697
Reformulated - RBOB	79,790	—	307	—	901	80,998	222
Conventional	130,653	4,357	22,787	515	15,201	173,513	475
CBOB	11,137	999	378	—	1,499	14,013	38
GTAB	42,668	153	617	—	2,234	45,672	125
Other	76,848	3,205	21,792	515	11,468	113,828	312
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	174,029	17,997	69,697	3,238	58,951	323,912	887
Finished Motor Gasoline	29,365	100	1,350	—	8,572	39,387	108
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	29,365	100	1,350	—	8,572	39,387	108
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	29,365	100	1,350	—	8,572	39,387	108
Finished Aviation Gasoline	145	48	237	34	11	475	1
Kerosene-Type Jet Fuel	22,705	37	—	484	34,588	57,814	158
Bonded Aircraft Fuel	418	—	—	—	4,801	5,219	14
Other	22,287	37	—	484	29,787	52,595	144
Kerosene	252	41	—	—	—	293	1
Distillate Fuel Oil	91,392	2,822	1,706	2,004	7,338	105,262	288
15 ppm sulfur and under	91,372	2,789	1,086	2,004	5,769	103,020	282
Bonded	145	—	—	2	—	147	0
Other	91,227	2,789	1,086	2,002	5,769	102,873	282
Greater than 15 ppm to 500 ppm sulfur	20	16	—	—	1,569	1,605	4
Bonded	—	—	—	—	—	—	—
Other	20	16	—	—	1,569	1,605	4
Greater than 500 ppm to 2000 ppm sulfur	—	17	620	—	—	637	2
Bonded	—	—	—	—	—	—	—
Other	—	17	620	—	—	637	2
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	16,797	1,782	42,651	—	6,772	68,002	186
Less than 0.31 percent sulfur	1,259	—	1,662	—	—	2,921	8
0.31 to 1.00 percent sulfur	6,055	625	2,194	—	3,167	12,041	33
Greater than 1.00 percent sulfur	9,483	1,157	38,795	—	3,605	53,040	145
Petrochemical Feedstocks	385	1,608	3,834	—	307	6,134	17
Naphtha for Petro. Feed. Use	373	869	3,319	—	307	4,868	13
Other Oils for Petro. Feed. Use	12	739	515	—	—	1,266	3
Special Naphthas	140	107	3,774	—	—	4,021	11
Lubricants	1,816	2,534	12,179	—	333	16,862	46
Waxes	1,240	191	489	—	354	2,274	6
Petroleum Coke (Marketable)	83	334	3,349	—	—	3,766	10
Asphalt and Road Oil	9,708	8,393	128	704	676	19,609	54
Miscellaneous Products	1	—	—	12	—	13	0
Total	632,283	970,189	822,114	118,347	550,045	3,092,978	8,474

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

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

³ 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, 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	291,450	975	-	19,779	-	1,276	1,276	1,096	11,336	12,432
Algeria	6,549	-	-	5,373	-	-	-	-	326	326
Angola	11,658	135	-	323	-	-	-	-	972	972
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	696	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	6	6
Iran	2,033	-	-	-	-	-	-	-	-	-
Iraq	55,360	-	-	1,917	-	-	-	-	-	-
Kuwait	7,595	-	-	49	-	-	-	-	-	-
Libya	32,695	-	-	233	-	-	-	-	-	-
Nigeria	39,412	144	-	151	-	40	40	-	2,692	2,692
Saudi Arabia	130,069	-	-	9,980	-	1,236	1,236	1,096	6,351	7,447
United Arab Emirates	6,079	-	-	1,753	-	-	-	-	989	989
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,940,100	56,271	5,997	184,086	-	38,111	38,111	79,902	162,177	242,079
Argentina	10,130	55	-	163	-	191	191	-	1,283	1,283
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	699	699	-	920	920
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	1,498	-	923	923	2,887	3,815	6,702
Brazil	37,804	-	-	57	-	512	512	313	8,923	9,236
Brunei	9,160	-	-	-	-	-	-	-	-	-
Cameroon	1,600	-	-	-	-	-	-	-	-	-
Canada	1,372,250	55,765	5,943	2,757	-	6,470	6,470	37,106	13,679	50,785
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	65,581	-	-	440	-	-	-	-	3	3
Denmark	-	-	-	-	-	79	79	123	96	219
Ecuador	54,018	-	-	5,344	-	-	-	-	-	-
Egypt	-	-	-	10,133	-	-	-	-	-	-
Estonia	-	-	-	126	-	-	-	-	-	-
Finland	-	-	-	104	-	319	319	-	6,726	6,726
France	-	-	-	1,483	-	159	159	3,471	5,067	8,538
Germany	-	-	-	259	-	215	215	13	723	736
Guatemala	1,124	-	-	-	-	-	-	-	-	-
India	-	-	-	529	-	1,517	1,517	24	22,172	22,196
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	764	-	2,781	2,781	1,183	10,368	11,551
Korea, South	-	9	-	84	-	4,682	4,682	-	5,938	5,938
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	424	424	-	986	986
Malaysia	-	-	-	379	-	-	-	-	290	290
Mexico	212,734	-	54	17,999	-	-	-	-	705	705
Netherlands	-	-	-	543	-	5,812	5,812	14,736	15,773	30,509
Norway	17,656	253	-	916	-	853	853	4,198	2,179	6,377
Oman	-	-	-	-	-	-	-	-	33	33
Portugal	-	-	-	-	-	875	875	1,988	7,537	9,525
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	72,608	-	-	129,569	-	5,183	5,183	1,035	17,448	18,483
Spain	-	-	-	8	-	966	966	57	8,738	8,795
Sweden	-	-	-	125	-	266	266	281	4,967	5,248
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	14,378	74	-	-	-	-	-	-	-	-
United Kingdom	14,948	-	-	1,507	-	1,033	1,033	12,034	7,465	19,499
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	2,851	-	469	469	-	1,831	1,831
Yemen	-	-	-	-	-	-	-	-	-	-
Other	56,109	115	0	6,448	-	3,683	3,683	453	14,512	14,965
Total	2,231,550	57,246	5,997	203,865	-	39,387	39,387	80,998	173,513	254,511
Persian Gulf⁴	201,136	-	-	13,699	-	1,236	1,236	1,096	7,340	8,436

See footnotes at end of table.

Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2021
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	—	—	—	—	11,097	—	—	—	11,097	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	24	—	—	—	24	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	1,320	—	—	—	1,320	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	3,194	—	—	—	3,194	—	—
Saudi Arabia	—	—	—	—	5,125	—	—	—	5,125	—	—
United Arab Emirates	—	—	—	—	1,434	—	—	—	1,434	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	1,447	5,005	9,340	27	91,923	1,605	637	—	94,165	293	475
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	308	—	—	—	308	—	—
Belgium	—	—	—	—	4,948	—	—	—	4,948	—	—
Brazil	1,447	—	—	—	41	—	—	—	41	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	3,075	—	27	46,234	36	237	—	46,507	41	105
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	6,206	—	—	—	6,206	—	—
Denmark	—	—	—	—	40	—	—	—	40	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	76
Finland	—	—	—	—	204	—	—	—	204	—	—
France	—	—	—	—	265	—	—	—	265	—	—
Germany	—	647	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	5,478	—	—	—	5,478	—	—
Indonesia	—	—	—	—	143	—	—	—	143	—	—
Italy	—	80	—	—	219	—	—	—	219	—	—
Korea, South	—	563	—	—	2,073	1,569	—	—	3,642	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	1,069	—	—	—	1,069	—	—
Mexico	—	—	—	—	71	—	—	—	71	—	—
Netherlands	—	—	19	—	6,581	—	—	—	6,581	—	294
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	2,445	—	—	—	2,445	—	—
Portugal	—	—	—	—	258	—	—	—	258	—	—
Qatar	—	—	—	—	4,213	—	—	—	4,213	—	—
Russia	—	—	—	—	8,809	—	—	—	8,809	—	—
Spain	—	640	—	—	62	—	—	—	62	—	—
Sweden	—	—	—	—	324	—	—	—	324	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	814	—	400	—	1,214	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	9,321	0	1,118	0	0	—	1,118	252	0
Total	1,447	5,005	9,340	27	103,020	1,605	637	—	105,262	293	475
Persian Gulf⁴	—	—	—	—	12,400	—	—	—	12,400	—	—

See footnotes at end of table.

Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2021
(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
OPEC	—	8,536	359	739	626	782	2,147	0	—
Algeria	—	1,202	—	739	236	—	975	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	271	—	271	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	97	—	97	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	2,347	—	—	—	608	608	—	—
Libya	—	157	—	—	22	—	22	—	—
Nigeria	—	66	—	—	—	—	—	0	—
Saudi Arabia	—	2,097	359	—	—	174	174	—	—
United Arab Emirates	—	2,667	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	49,278	3,662	2,182	11,415	52,258	65,855	4,868	1,266
Argentina	—	—	—	—	346	—	346	75	175
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	473	3,357	3,830	—	—
Bahrain	—	—	—	—	—	235	235	—	—
Belgium	—	287	—	2	—	8	10	201	—
Brazil	—	—	253	—	320	1,379	1,699	—	—
Brunei	—	313	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	4,522	1,155	582	1,822	6,644	9,048	915	856
Chad	—	—	—	—	—	—	—	—	—
China	—	907	—	—	—	—	—	—	—
Colombia	—	125	—	—	210	1,320	1,530	—	—
Denmark	—	—	—	—	92	—	92	—	—
Ecuador	—	—	—	—	—	1,941	1,941	—	—
Egypt	—	—	—	—	10	1,703	1,713	—	—
Estonia	—	—	—	—	192	—	192	—	—
Finland	—	—	—	—	34	—	34	45	—
France	—	309	—	—	—	—	—	0	235
Germany	—	—	—	320	364	101	785	19	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	5,657	312	—	—	728	728	—	—
Indonesia	—	2	—	—	—	—	—	46	—
Italy	—	1,370	—	—	301	264	565	—	—
Korea, South	—	29,354	1,271	—	—	6	6	259	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	72	—	858	25,538	26,396	1,467	—
Netherlands	—	300	19	—	215	600	815	0	—
Norway	—	—	—	—	—	129	129	—	—
Oman	—	415	—	—	—	—	—	—	—
Portugal	—	50	—	—	—	—	—	—	—
Qatar	—	1	—	—	—	—	—	13	—
Russia	—	518	—	903	3,182	5,982	10,067	120	—
Spain	—	—	—	—	216	—	216	—	—
Sweden	—	—	—	—	86	—	86	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	460	—	460	146	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	426	—	375	923	21	1,319	0	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	4,722	580	0	1,040	2,302	3,342	1,562	0
Total	—	57,814	4,021	2,921	12,041	53,040	68,002	4,868	1,266
Persian Gulf⁴	—	7,112	359	—	—	1,017	1,017	13	—

See footnotes at end of table.

Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2021
(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
OPEC	—	451	—	1,686	—	58,738	350,188	798	161	959
Algeria	—	—	—	—	—	7,876	14,425	18	22	40
Angola	—	—	—	—	—	1,430	13,088	32	4	36
Congo (Brazzaville)	—	—	—	—	—	271	271	—	1	1
Equatorial Guinea	—	—	—	—	—	696	696	—	2	2
Gabon	—	—	—	—	—	127	127	—	0	0
Iran	—	—	—	—	—	—	2,033	6	—	6
Iraq	—	—	—	—	—	1,917	57,277	152	5	157
Kuwait	—	157	—	—	—	4,481	12,076	21	12	33
Libya	—	—	—	—	—	412	33,107	90	1	91
Nigeria	—	—	—	—	—	6,287	45,699	108	17	125
Saudi Arabia	—	294	—	128	—	26,840	156,909	356	74	430
United Arab Emirates	—	—	—	1,558	—	8,401	14,480	17	23	40
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	2,274	3,315	19,609	15,176	13	802,690	2,742,790	5,315	2,199	7,514
Argentina	—	1,385	—	33	—	3,706	13,836	28	10	38
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	5,449	5,449	—	15	15
Bahrain	—	—	—	908	—	1,451	1,451	—	4	4
Belgium	—	—	—	94	—	14,663	14,663	—	40	40
Brazil	—	1,180	—	—	—	14,425	52,229	104	40	143
Brunei	—	—	—	—	—	313	9,473	25	1	26
Cameroon	—	—	—	—	—	—	1,600	4	—	4
Canada	1,068	334	18,769	3,805	13	211,960	1,584,210	3,760	581	4,340
Chad	—	—	—	—	—	—	—	—	—	—
China	322	—	—	—	—	1,229	1,229	—	3	3
Colombia	—	—	300	—	—	8,604	74,185	180	24	203
Denmark	—	—	—	—	—	430	430	—	1	1
Ecuador	—	—	—	—	—	7,285	61,303	148	20	168
Egypt	—	—	—	—	—	11,846	11,846	—	32	32
Estonia	—	—	—	—	—	394	394	—	1	1
Finland	—	—	—	—	—	7,432	7,432	—	20	20
France	13	—	—	157	—	11,159	11,159	—	31	31
Germany	—	1	1	132	—	2,795	2,795	—	8	8
Guatemala	—	—	—	—	—	—	1,124	3	—	3
India	—	—	—	2	—	36,419	36,419	—	100	100
Indonesia	—	—	—	1,180	—	1,371	1,371	—	4	4
Italy	53	—	41	144	—	17,568	17,568	—	48	48
Korea, South	6	—	—	3,548	—	49,362	49,362	—	135	135
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,410	1,410	—	4	4
Malaysia	159	—	—	1	—	1,898	1,898	—	5	5
Mexico	—	—	—	2	—	46,766	259,500	583	128	711
Netherlands	21	69	—	1,096	—	46,131	46,131	—	126	126
Norway	—	—	—	—	—	8,528	26,184	48	23	72
Oman	—	114	—	49	—	3,056	3,056	—	8	8
Portugal	—	—	—	—	—	10,708	10,708	—	29	29
Qatar	—	—	—	3,702	—	7,929	7,929	—	22	22
Russia	—	158	—	118	—	173,025	245,633	199	474	673
Spain	17	—	189	32	—	10,925	10,925	—	30	30
Sweden	—	7	—	3	—	6,059	6,059	—	17	17
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	74	14,452	39	0	40
United Kingdom	163	22	—	84	—	22,914	37,862	41	63	104
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	8,110	8,110	—	22	22
Yemen	—	—	—	—	—	—	—	—	—	—
Other	452	45	309	86	0	47,025	103,134	153	129	283
Total	2,274	3,766	19,609	16,862	13	861,428	3,092,978	6,114	2,360	8,474
Persian Gulf⁴	—	451	—	6,296	—	51,019	252,155	551	140	691

-- = Not Applicable.

- = No Data Reported.

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

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

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

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	77,581	632	-	474	-	485	485	961	7,889	8,850
Algeria	6,549	-	-	-	-	-	-	-	326	326
Angola	6,150	-	-	323	-	-	-	-	647	647
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	488	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	6	6
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	12,472	-	-	-	-	-	-	-	-	-
Nigeria	31,245	144	-	151	-	40	40	-	2,536	2,536
Saudi Arabia	21,165	-	-	-	-	445	445	961	4,199	5,160
United Arab Emirates	-	-	-	-	-	-	-	-	175	175
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	132,103	11,077	3,217	20,640	-	28,880	28,880	78,829	122,764	201,593
Argentina	-	-	-	151	-	191	191	-	1,075	1,075
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	390	390	-	920	920
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	82	-	777	777	2,828	3,257	6,085
Brazil	223	-	-	-	-	486	486	313	7,473	7,786
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	952	-	-	-	-	-	-	-	-	-
Canada	58,070	10,824	3,217	214	-	4,519	4,519	36,926	8,369	45,295
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	855	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	79	79	123	71	194
Ecuador	-	-	-	1,274	-	-	-	-	-	-
Egypt	-	-	-	358	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	318	318	-	5,695	5,695
France	-	-	-	12	-	159	159	3,471	4,058	7,529
Germany	-	-	-	-	-	187	187	-	324	324
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	160	-	1,108	1,108	24	17,132	17,156
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	180	-	2,065	2,065	1,149	9,291	10,440
Korea, South	-	-	-	-	-	175	175	-	1,900	1,900
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	366	366	-	939	939
Malaysia	-	-	-	-	-	-	-	-	290	290
Mexico	12,400	-	-	3,589	-	-	-	-	270	270
Netherlands	-	-	-	55	-	5,714	5,714	14,355	13,055	27,410
Norway	16,858	253	-	380	-	853	853	4,198	2,127	6,325
Oman	-	-	-	-	-	-	-	-	33	33
Portugal	-	-	-	-	-	875	875	1,938	7,048	8,986
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	18,194	-	-	12,346	-	4,877	4,877	997	15,911	16,908
Spain	-	-	-	-	-	910	910	57	6,905	6,962
Sweden	-	-	-	-	-	244	244	281	4,183	4,464
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	2,010	-	-	-	-	-	-	-	-	-
United Kingdom	3,890	-	-	165	-	968	968	12,034	4,228	16,262
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	1,164	-	425	425	-	1,059	1,059
Yemen	-	-	-	-	-	-	-	-	-	-
Other	18,651	0	0	510	-	3,194	3,194	135	7,145	7,280
Total	209,684	11,709	3,217	21,114	-	29,365	29,365	79,790	130,653	210,443
Persian Gulf⁴	21,165	-	-	-	-	445	445	961	4,374	5,335

See footnotes at end of table.

Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	11,097	-	-	-	11,097	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	24	-	-	-	24	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	1,320	-	-	-	1,320	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	3,194	-	-	-	3,194	-	-
Saudi Arabia	-	-	-	-	5,125	-	-	-	5,125	-	-
United Arab Emirates	-	-	-	-	1,434	-	-	-	1,434	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	2,087	-	-	80,275	20	-	-	80,295	252	145
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	308	-	-	-	308	-	-
Belgium	-	-	-	-	4,948	-	-	-	4,948	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	1,076	-	-	36,588	20	-	-	36,608	0	12
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	5,943	-	-	-	5,943	-	-
Denmark	-	-	-	-	40	-	-	-	40	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	204	-	-	-	204	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	647	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	5,478	-	-	-	5,478	-	-
Indonesia	-	-	-	-	143	-	-	-	143	-	-
Italy	-	-	-	-	219	-	-	-	219	-	-
Korea, South	-	-	-	-	1,361	-	-	-	1,361	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	1,069	-	-	-	1,069	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	6,581	-	-	-	6,581	-	133
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	2,445	-	-	-	2,445	-	-
Portugal	-	-	-	-	258	-	-	-	258	-	-
Qatar	-	-	-	-	4,213	-	-	-	4,213	-	-
Russia	-	-	-	-	8,523	-	-	-	8,523	-	-
Spain	-	364	-	-	62	-	-	-	62	-	-
Sweden	-	-	-	-	324	-	-	-	324	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	654	-	-	-	654	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	890	0	-	-	890	252	0
Total	-	2,087	-	-	91,372	20	-	-	91,392	252	145
Persian Gulf⁴	-	-	-	-	12,400	-	-	-	12,400	-	-

See footnotes at end of table.

Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
OPEC	—	8,536	—	739	370	—	1,109	0	—
Algeria	—	1,202	—	739	236	—	975	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	15	—	15	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	97	—	97	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	2,347	—	—	—	—	—	—	—
Libya	—	157	—	—	22	—	22	—	—
Nigeria	—	66	—	—	—	—	—	0	—
Saudi Arabia	—	2,097	—	—	—	—	—	—	—
United Arab Emirates	—	2,667	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	14,169	140	520	5,685	9,483	15,688	373	12
Argentina	—	—	—	—	346	—	346	75	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	473	287	760	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	287	—	—	—	—	—	—	—
Brazil	—	—	—	—	243	110	353	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	2,933	140	—	389	3,984	4,373	42	12
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	125	—	—	—	937	937	—	—
Denmark	—	—	—	—	92	—	92	—	—
Ecuador	—	—	—	—	—	74	74	—	—
Egypt	—	—	—	—	10	67	77	—	—
Estonia	—	—	—	—	192	—	192	—	—
Finland	—	—	—	—	34	—	34	45	—
France	—	309	—	—	—	—	—	0	—
Germany	—	—	—	320	352	5	677	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	5,142	—	—	—	543	543	—	—
Indonesia	—	2	—	—	—	—	—	46	—
Italy	—	1,370	—	—	301	—	301	—	—
Korea, South	—	2,073	—	—	—	6	6	22	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	594	2,043	2,637	—	—
Netherlands	—	—	—	—	210	600	810	0	—
Norway	—	—	—	—	—	129	129	—	—
Oman	—	415	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	1	—	—	—	—	—	—	—
Russia	—	518	—	—	493	585	1,078	120	—
Spain	—	—	—	—	216	—	216	—	—
Sweden	—	—	—	—	86	—	86	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	359	—	359	8	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	426	—	200	698	21	919	0	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	568	0	0	485	92	577	15	0
Total	—	22,705	140	1,259	6,055	9,483	16,797	373	12
Persian Gulf⁴	—	7,112	—	—	—	—	—	—	—

See footnotes at end of table.

Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
OPEC	—	—	—	131	—	31,314	108,895	213	86	298
Algeria	—	—	—	—	—	2,503	9,052	18	7	25
Angola	—	—	—	—	—	970	7,120	17	3	20
Congo (Brazzaville)	—	—	—	—	—	15	15	—	0	0
Equatorial Guinea	—	—	—	—	—	488	488	—	1	1
Gabon	—	—	—	—	—	127	127	—	0	0
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	3,667	3,667	—	10	10
Libya	—	—	—	—	—	179	12,651	34	0	35
Nigeria	—	—	—	—	—	6,131	37,376	86	17	102
Saudi Arabia	—	—	—	—	—	12,827	33,992	58	35	93
United Arab Emirates	—	—	—	131	—	4,407	4,407	—	12	12
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	1,240	83	9,708	1,685	1	391,285	523,388	362	1,072	1,434
Argentina	—	—	—	—	—	1,838	1,838	—	5	5
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,070	2,070	—	6	6
Bahrain	—	—	—	26	—	334	334	—	1	1
Belgium	—	—	—	45	—	12,224	12,224	—	33	33
Brazil	—	1	—	—	—	8,626	8,849	1	24	24
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	952	3	—	3
Canada	877	1	8,898	1,087	1	120,129	178,199	159	329	488
Chad	—	—	—	—	—	—	—	—	—	—
China	195	—	—	—	—	195	195	—	1	1
Colombia	—	—	300	—	—	7,305	8,160	2	20	22
Denmark	—	—	—	—	—	405	405	—	1	1
Ecuador	—	—	—	—	—	1,348	1,348	—	4	4
Egypt	—	—	—	—	—	435	435	—	1	1
Estonia	—	—	—	—	—	192	192	—	1	1
Finland	—	—	—	—	—	6,296	6,296	—	17	17
France	—	—	—	84	—	8,093	8,093	—	22	22
Germany	—	—	1	81	—	1,917	1,917	—	5	5
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	29,587	29,587	—	81	81
Indonesia	—	—	—	—	—	191	191	—	1	1
Italy	—	—	41	35	—	14,651	14,651	—	40	40
Korea, South	6	—	—	123	—	5,666	5,666	—	16	16
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,305	1,305	—	4	4
Malaysia	6	—	—	1	—	1,366	1,366	—	4	4
Mexico	—	—	—	—	—	6,496	18,896	34	18	52
Netherlands	—	69	—	124	—	40,896	40,896	—	112	112
Norway	—	—	—	—	—	7,940	24,798	46	22	68
Oman	—	—	—	—	—	2,893	2,893	—	8	8
Portugal	—	—	—	—	—	10,119	10,119	—	28	28
Qatar	—	—	—	—	—	4,214	4,214	—	12	12
Russia	—	—	—	69	—	44,439	62,633	50	122	172
Spain	16	—	189	—	—	8,719	8,719	—	24	24
Sweden	—	7	—	2	—	5,127	5,127	—	14	14
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	2,010	6	—	6
United Kingdom	—	—	—	—	—	17,762	21,652	11	49	59
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	4,647	4,647	—	13	13
Yemen	—	—	—	—	—	—	—	—	—	—
Other	140	5	279	8	0	13,718	32,369	50	34	86
Total	1,240	83	9,708	1,816	1	422,599	632,283	574	1,158	1,732
Persian Gulf⁴	—	—	—	157	—	25,449	46,614	58	70	128

-- = Not Applicable.

- = No Data Reported.

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

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

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

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	920,887	23,066	2,726	-	-	100	100	-	4,357	4,357
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	920,683	23,057	2,726	-	-	-	-	-	4,204	4,204
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	153	153
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	100	100	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	204	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	9	0	-	-	0	0	-	0	0
Total	920,887	23,066	2,726	-	-	100	100	-	4,357	4,357
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline	
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total			
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	1,156	-	-	2,789	16	17	-	2,822	41	48	
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	1,156	-	-	2,789	16	17	-	2,822	41	48	
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	0	0	-	0	0	0	
Total	-	1,156	-	-	2,789	16	17	-	2,822	41	48	
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
OPEC	—	—	—	—	256	—	256	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	256	—	256	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	37	107	—	369	1,157	1,526	869	739
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	37	107	—	253	581	834	869	739
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	12	—	12	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	5	—	5	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	576	576	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	0	—	99	0	99	0	0
Total	—	37	107	—	625	1,157	1,782	869	739
Persian Gulf⁴	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
OPEC	—	—	—	—	—	256	256	—	1	1
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	256	256	—	1	1
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	191	334	8,393	2,534	—	49,046	969,933	2,523	134	2,657
Argentina	—	—	—	5	—	5	5	—	0	0
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1	—	1	1	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	191	333	8,393	2,521	—	48,078	968,761	2,522	132	2,654
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	153	153	—	0	0
France	—	—	—	—	—	—	—	—	—	—
Germany	—	1	—	5	—	18	18	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	1	—	1	1	—	0	0
Korea, South	—	—	—	—	—	109	109	—	0	0
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	204	1	—	1
Netherlands	—	—	—	—	—	5	5	—	0	0
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	576	576	—	2	2
Spain	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	1	—	1	1	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	—	99	99	0	0	0
Total	191	334	8,393	2,534	—	49,302	970,189	2,523	135	2,658
Persian Gulf⁴	—	—	—	—	—	—	—	—	—	—

-- = Not Applicable.

— = No Data Reported.

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

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

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

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	81,208	—	—	13,578	—	—	—	—	481	481
Algeria	—	—	—	301	—	—	—	—	—	—
Angola	1,373	—	—	—	—	—	—	—	325	325
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	2,033	—	—	—	—	—	—	—	—	—
Iraq	8,397	—	—	1,566	—	—	—	—	—	—
Kuwait	5,941	—	—	49	—	—	—	—	—	—
Libya	1,276	—	—	233	—	—	—	—	—	—
Nigeria	2,858	—	—	—	—	—	—	—	156	156
Saudi Arabia	59,330	—	—	9,676	—	—	—	—	—	—
United Arab Emirates	—	—	—	1,753	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	486,077	—	54	147,922	—	1,350	1,350	307	22,306	22,613
Argentina	—	—	—	12	—	—	—	—	208	208
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1,416	—	—	—	—	558	558
Brazil	7,293	—	—	57	—	—	—	—	1,411	1,411
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	648	—	—	—	—	—	—	—	—	—
Canada	194,765	—	—	1,602	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	45,881	—	—	440	—	—	—	—	3	3
Denmark	—	—	—	—	—	—	—	—	25	25
Ecuador	1,455	—	—	2,891	—	—	—	—	—	—
Egypt	—	—	—	9,775	—	—	—	—	—	—
Estonia	—	—	—	126	—	—	—	—	—	—
Finland	—	—	—	104	—	—	—	—	487	487
France	—	—	—	1,259	—	—	—	—	1,009	1,009
Germany	—	—	—	259	—	23	23	—	399	399
Guatemala	1,124	—	—	—	—	—	—	—	—	—
India	—	—	—	369	—	—	—	—	2,951	2,951
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	584	—	644	644	—	976	976
Korea, South	—	—	—	84	—	—	—	—	374	374
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	188,406	—	54	9,974	—	—	—	—	435	435
Netherlands	—	—	—	488	—	13	13	—	2,596	2,596
Norway	798	—	—	536	—	—	—	—	52	52
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	489	489
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	20,941	—	—	110,177	—	100	100	—	627	627
Spain	—	—	—	8	—	56	56	—	1,822	1,822
Sweden	—	—	—	125	—	—	—	—	784	784
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	11,421	—	—	—	—	—	—	—	—	—
United Kingdom	10,358	—	—	979	—	65	65	—	2,305	2,305
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	1,009	—	—	—	—	654	654
Yemen	—	—	—	—	—	—	—	—	—	—
Other	2,987	—	0	5,648	—	449	449	307	4,141	4,448
Total	567,285	—	54	161,500	—	1,350	1,350	307	22,787	23,094
Persian Gulf⁴	75,701	—	—	13,044	—	—	—	—	—	—

See footnotes at end of table.

Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	356	50	-	1,086	-	620	-	1,706	-	237
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	41	-	-	-	41	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	220	-	220	-	-
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	263	-	-	-	263	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	76
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	265	-	-	-	265	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	80	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	71	-	-	-	71	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	161
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	286	-	-	-	286	-	-
Spain	-	276	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	160	-	400	-	560	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	50	-	0	-	0	-	0	-	0
Total	-	356	50	-	1,086	-	620	-	1,706	-	237
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
OPEC	—	—	359	—	—	782	782	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	608	608	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	359	—	—	174	174	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	3,415	1,662	2,194	38,013	41,869	3,319	515
Argentina	—	—	—	—	—	—	—	—	175
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,991	2,991	—	—
Bahrain	—	—	—	—	—	235	235	—	—
Belgium	—	—	—	2	—	—	2	201	—
Brazil	—	—	253	—	77	1,269	1,346	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	908	582	57	1,016	1,655	—	105
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	210	383	593	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	600	600	—	—
Egypt	—	—	—	—	—	1,636	1,636	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	235
Germany	—	—	—	—	—	—	—	19	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	312	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	208	208	—	—
Korea, South	—	—	1,271	—	—	—	—	237	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	72	—	264	23,319	23,583	1,467	—
Netherlands	—	—	19	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	13	—
Russia	—	—	—	903	645	4,422	5,970	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	101	—	101	138	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	175	225	—	400	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	580	0	615	1,934	2,549	1,244	0
Total	—	—	3,774	1,662	2,194	38,795	42,651	3,319	515
Persian Gulf⁴	—	—	359	—	—	1,017	1,017	13	—

See footnotes at end of table.

Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
OPEC	—	451	—	1,555	—	17,206	98,414	222	47	270
Algeria	—	—	—	—	—	301	301	—	1	1
Angola	—	—	—	—	—	325	1,698	4	1	5
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	2,033	6	—	6
Iraq	—	—	—	—	—	1,566	9,963	23	4	27
Kuwait	—	157	—	—	—	814	6,755	16	2	19
Libya	—	—	—	—	—	233	1,509	3	1	4
Nigeria	—	—	—	—	—	156	3,014	8	0	8
Saudi Arabia	—	294	—	128	—	10,631	69,961	163	29	192
United Arab Emirates	—	—	—	1,427	—	3,180	3,180	—	9	9
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	489	2,898	128	10,624	—	237,623	723,700	1,332	651	1,983
Argentina	—	1,385	—	28	—	1,808	1,808	—	5	5
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,991	2,991	—	8	8
Bahrain	—	—	—	882	—	1,117	1,117	—	3	3
Belgium	—	—	—	48	—	2,225	2,225	—	6	6
Brazil	—	1,179	—	—	—	4,287	11,580	20	12	32
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	648	2	—	2
Canada	—	—	98	79	—	4,667	199,432	534	13	546
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	1,299	47,180	126	4	129
Denmark	—	—	—	—	—	25	25	—	0	0
Ecuador	—	—	—	—	—	3,491	4,946	4	10	14
Egypt	—	—	—	—	—	11,411	11,411	—	31	31
Estonia	—	—	—	—	—	202	202	—	1	1
Finland	—	—	—	—	—	591	591	—	2	2
France	13	—	—	73	—	2,854	2,854	—	8	8
Germany	—	—	—	46	—	746	746	—	2	2
Guatemala	—	—	—	—	—	—	1,124	3	—	3
India	—	—	—	2	—	3,634	3,634	—	10	10
Indonesia	—	—	—	1,180	—	1,180	1,180	—	3	3
Italy	—	—	—	108	—	2,653	2,653	—	7	7
Korea, South	—	—	—	3,334	—	5,300	5,300	—	15	15
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	152	—	—	—	—	152	152	—	0	0
Mexico	—	—	—	2	—	35,658	224,064	516	98	614
Netherlands	—	—	—	972	—	4,302	4,302	—	12	12
Norway	—	—	—	—	—	588	1,386	2	2	4
Oman	—	114	—	49	—	163	163	—	0	0
Portugal	—	—	—	—	—	489	489	—	1	1
Qatar	—	—	—	3,578	—	3,591	3,591	—	10	10
Russia	—	158	—	49	—	117,367	138,308	57	322	379
Spain	1	—	—	32	—	2,195	2,195	—	6	6
Sweden	—	—	—	—	—	909	909	—	2	2
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	11,421	31	—	31
United Kingdom	163	22	—	84	—	3,857	14,215	28	11	39
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	2,623	2,623	—	7	7
Yemen	—	—	—	—	—	—	—	—	—	—
Other	107	40	30	78	—	15,248	18,235	9	40	51
Total	489	3,349	128	12,179	—	254,829	822,114	1,554	698	2,252
Persian Gulf⁴	—	451	—	6,015	—	20,899	96,600	207	57	265

-- = Not Applicable.

- = No Data Reported.

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

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

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

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	108,434	5,677	-	197	-	-	-	-	515	515
Canada	108,434	5,677	-	197	-	-	-	-	515	515
Ecuador	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	-	-	0	0
Total	108,434	5,677	-	197	-	-	-	-	515	515
PAD District 5										
OPEC	132,661	-	-	5,727	-	791	791	135	2,966	3,101
Algeria	-	-	-	5,072	-	-	-	-	-	-
Angola	4,135	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	46,963	-	-	351	-	-	-	-	-	-
Kuwait	1,654	-	-	-	-	-	-	-	-	-
Libya	18,947	-	-	-	-	-	-	-	-	-
Nigeria	5,309	-	-	-	-	-	-	-	-	-
Saudi Arabia	49,574	-	-	304	-	791	791	135	2,152	2,287
United Arab Emirates	6,079	-	-	-	-	-	-	-	814	814
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	292,599	16,451	-	15,327	-	7,781	7,781	766	12,235	13,001
Argentina	10,130	55	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	30,288	-	-	-	-	26	26	-	39	39
Brunei	9,160	-	-	-	-	-	-	-	-	-
Canada	90,298	16,207	-	744	-	1,951	1,951	180	591	771
China	-	-	-	-	-	-	-	-	-	-
Colombia	18,845	-	-	-	-	-	-	-	-	-
Ecuador	52,563	-	-	1,179	-	-	-	-	-	-
Finland	-	-	-	-	-	1	1	-	391	391
Germany	-	-	-	-	-	5	5	13	-	13
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	1,762	1,762
Korea, South	-	-	-	-	-	4,407	4,407	-	3,664	3,664
Malaysia	-	-	-	379	-	-	-	-	-	-
Mexico	11,724	-	-	4,436	-	-	-	-	-	-
Netherlands	-	-	-	-	-	85	85	381	122	503
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	2,364	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	419	419
Sweden	-	-	-	-	-	22	22	-	-	-
Taiwan	-	-	-	-	-	-	-	-	778	778
United Kingdom	700	-	-	363	-	-	-	-	932	932
Virgin Islands, U.S.	-	-	-	678	-	44	44	-	118	118
Other	66,527	189	-	7,548	-	1,240	1,240	192	3,419	3,611
Total	425,260	16,794	-	21,054	-	8,572	8,572	901	15,201	16,102
Persian Gulf⁴	104,270	-	-	655	-	791	791	135	2,966	3,101

See footnotes at end of table.

Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels ³	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	286	-	-	2,004	-	-	-	2,004	-	34
Canada	-	286	-	-	2,004	-	-	-	2,004	-	34
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	-	-	0	-	0
Total	-	286	-	-	2,004	-	-	-	2,004	-	34
PAD District 5											
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,447	1,120	9,290	27	5,769	1,569	-	-	7,338	-	11
Argentina	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	1,447	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	557	-	27	4,853	-	-	-	4,853	-	11
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	204	-	-	-	204	-	-
Korea, South	-	563	-	-	712	1,569	-	-	2,281	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	19	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	9,271	0	0	0	-	-	0	-	0
Total	1,447	1,120	9,290	27	5,769	1,569	-	-	7,338	-	11
Persian Gulf⁴	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	484	-	-	-	-	-	-	-
Canada	-	484	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	-	-	-	-	-
Total	-	484	-	-	-	-	-	-	-
PAD District 5									
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	34,588	-	-	3,167	3,605	6,772	307	-
Argentina	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	313	-	-	-	-	-	-	-
Canada	-	1,068	-	-	1,123	1,063	2,186	4	-
China	-	907	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	1,267	1,267	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	96	96	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	2,891	-	-	-	75	75	-	-
Korea, South	-	27,281	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	176	176	-	-
Netherlands	-	300	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Singapore	-	331	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	309	-	-	-	-	-	303	-
United Kingdom	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	1,188	-	-	2,044	928	2,972	0	-
Total	-	34,588	-	-	3,167	3,605	6,772	307	-
Persian Gulf⁴	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2021
(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
PAD District 4										
OPEC	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	704	—	12	9,913	118,347	297	27	324
Canada	—	—	704	—	12	9,913	118,347	297	27	324
Ecuador	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	—	0	0	0	0	0	0
Total	—	—	704	—	12	9,913	118,347	297	27	324
PAD District 5										
OPEC	—	—	—	—	—	9,962	142,623	363	27	391
Algeria	—	—	—	—	—	5,072	5,072	—	14	14
Angola	—	—	—	—	—	135	4,270	11	0	12
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	416	416	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	351	47,314	129	1	130
Kuwait	—	—	—	—	—	—	1,654	5	—	5
Libya	—	—	—	—	—	—	18,947	52	—	52
Nigeria	—	—	—	—	—	—	5,309	15	—	15
Saudi Arabia	—	—	—	—	—	3,382	52,956	136	9	145
United Arab Emirates	—	—	—	—	—	814	6,893	17	2	19
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	354	—	676	333	—	114,823	407,422	802	315	1,116
Argentina	—	—	—	—	—	55	10,185	28	0	28
Australia	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	1,512	31,800	83	4	87
Brunei	—	—	—	—	—	313	9,473	25	1	26
Canada	—	—	676	118	—	29,173	119,471	247	80	327
China	127	—	—	—	—	1,034	1,034	—	3	3
Colombia	—	—	—	—	—	—	18,845	52	—	52
Ecuador	—	—	—	—	—	2,446	55,009	144	7	151
Finland	—	—	—	—	—	392	392	—	1	1
Germany	—	—	—	—	—	114	114	—	0	0
Indonesia	—	—	—	—	—	—	—	—	—	—
Japan	33	—	—	—	—	4,965	4,965	—	14	14
Korea, South	—	—	—	91	—	38,287	38,287	—	105	105
Malaysia	1	—	—	—	—	380	380	—	1	1
Mexico	—	—	—	—	—	4,612	16,336	32	13	45
Netherlands	21	—	—	—	—	928	928	—	3	3
Oman	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	2,364	6	—	6
Singapore	—	—	—	—	—	10,021	10,021	—	27	27
Sweden	—	—	—	—	—	22	22	—	0	0
Taiwan	172	—	—	—	—	1,562	1,562	—	4	4
United Kingdom	—	—	—	—	—	1,295	1,995	2	4	5
Virgin Islands, U.S.	—	—	—	—	—	840	840	—	2	2
Other	0	—	0	124	—	16,872	83,399	183	46	229
Total	354	—	676	333	—	124,785	550,045	1,165	342	1,507
Persian Gulf⁴	—	—	—	124	—	4,671	108,941	286	13	298

-- = Not Applicable.

- = No Data Reported.

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

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

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

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

Table 31. Exports of Crude Oil and Petroleum Products by PAD District, 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	5,609	34,179	1,031,754	1	9,847	1,081,390	2,963
Hydrocarbon Gas Liquids	96,941	102,818	623,973	910	18,155	842,796	2,309
Natural Gas Liquids	96,941	102,818	623,973	910	18,155	842,796	2,309
Ethane	25,818	31,658	77,303	5	1	134,784	369
Propane	50,339	1,687	422,896	18	9,312	484,252	1,327
Normal Butane	19,716	1,339	121,305	63	8,525	150,947	414
Isobutane	8	24	1,042	0	7	1,082	3
Natural Gasoline	1,060	68,109	1,427	824	310	71,730	197
Other Liquids	2,283	29,306	156,271	177	6,642	194,678	533
Hydrogen/Biofuels/Other Hydrocarbons	1,680	9,047	19,686	169	3,452	34,034	93
Hydrogen	--	--	--	--	--	--	--
Biofuels	1,680	9,047	19,686	169	3,452	34,034	93
Fuel Ethanol	1,355	6,958	18,644	59	2,565	29,582	81
Biodiesel	325	2,089	1,042	109	887	4,452	12
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels ²	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	--	--	--	--	--	--	--
Unfinished Oils	305	19,201	108,280	2	975	128,764	353
Naphthas and Lighter	122	19,109	104,928	0	781	124,940	342
Kerosene and Light Gas Oils	183	93	3,352	2	195	3,824	10
Heavy Gas Oils	--	--	--	--	--	--	--
Residuum	--	--	--	--	--	--	--
Motor Gasoline Blend.Comp. (MGBC)	297	1,057	28,305	6	2,215	31,880	87
Reformulated	4	1	32	--	39	77	0
Conventional	292	1,056	28,273	6	2,176	31,803	87
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--
Finished Petroleum Products	27,213	14,689	863,696	262	90,839	996,699	2,731
Finished Motor Gasoline	1,843	3,140	277,381	14	15,639	298,018	816
Reformulated	--	--	--	--	--	--	--
Conventional	1,843	3,140	277,381	14	15,639	298,018	816
Finished Aviation Gasoline	--	--	--	--	--	--	--
Kerosene-Type Jet Fuel	1,830	158	30,926	--	6,285	39,200	107
Kerosene	8	5	1,639	--	219	1,871	5
Distillate Fuel Oil	7,867	1,276	359,095	0	22,093	390,331	1,069
15 ppm sulfur and under	3,354	9	305,792	0	15,424	324,579	889
Greater than 15 ppm to 500 ppm sulfur	3,382	225	20,861	0	2,538	27,006	74
Greater than 500 ppm sulfur	1,132	1,043	32,442	--	4,131	38,747	106
Residual Fuel Oil	4,457	1,751	22,919	81	6,328	35,535	97
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--
Lubricants	2,317	2,352	27,884	140	3,695	36,387	100
Waxes	1,028	432	301	5	45	1,810	5
Petroleum Coke	6,682	4,387	138,289	0	36,113	185,471	508
Asphalt and Road Oil	999	1,166	5,068	21	319	7,574	21
Miscellaneous Products	183	23	194	--	103	503	1
Total	132,044	180,992	2,675,694	1,350	125,484	3,115,563	8,536

-- = 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 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, 2021
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	8	0	-	1,514	-	475	475	-	-	-
Australia	4,648	4,629	-	30	-	0	0	3	0	3
Bahamas	-	1,041	-	575	-	2,648	2,648	0	146	146
Bahrain	-	-	-	0	-	3	3	-	-	-
Belgium	529	9,460	-	3,903	-	1	1	0	0	0
Belize	-	234	-	-	-	388	388	-	0	0
Brazil	19,521	19,631	-	20,972	-	17,007	17,007	0	42	42
Canada	113,562	105,833	-	19,412	-	8,175	8,175	-	10,846	10,846
Cayman Islands	-	47	-	-	-	103	103	1	1	1
Chile	5,212	14,547	-	123	-	7,972	7,972	1	692	693
China	93,365	102,204	-	526	-	7	7	-	0	0
Colombia	6,988	285	-	9,845	-	14,433	14,433	0	2,316	2,316
Costa Rica	-	2,220	-	91	-	8,229	8,229	-	0	0
Denmark	11,110	-	-	246	-	-	-	1	0	2
Dominican Republic	9,020	13,330	-	53	-	4,334	4,334	-	260	260
Ecuador	-	13,016	-	729	-	6,263	6,263	-	33	33
Egypt	-	12,627	-	0	-	53	53	-	-	-
El Salvador	-	3,622	-	6	-	5,788	5,788	-	0	0
Finland	0	3,746	-	0	-	-	-	-	-	-
France	37,311	8,059	-	628	-	1	1	-	0	0
Germany	28,382	323	-	30	-	12	12	-	0	0
Ghana	-	726	-	0	-	0	0	-	-	-
Gibraltar	-	2,374	-	-	-	-	-	-	-	-
Greece	-	550	-	0	-	0	0	-	-	-
Guatemala	-	3,963	-	45	-	17,423	17,423	0	2	3
Honduras	-	5,441	-	11	-	5,969	5,969	-	1	1
Hong Kong	-	0	-	0	-	11	11	-	-	-
India	153,423	36,013	-	349	-	20	20	-	2	2
Indonesia	1,398	46,490	-	7	-	-	-	-	-	-
Ireland	14,387	-	-	120	-	1	1	-	0	0
Israel	3,035	1	-	66	-	9	9	-	0	0
Italy	41,779	1,279	-	24	-	0	0	-	-	-
Jamaica	-	388	-	2	-	1,092	1,092	-	5	5
Japan	2,724	139,995	-	15,272	-	4	4	10	183	193
Korea, South	127,554	58,306	-	15,251	-	523	523	6	25	30
Lebanon	-	-	-	-	-	1	1	-	-	-
Mexico	-	67,092	-	5,592	-	168,860	168,860	28	15,392	15,420
Montenegro	-	-	-	-	-	-	-	-	-	-
Morocco	-	15,893	-	-	-	-	-	-	-	-
Mozambique	-	-	-	-	-	-	-	-	-	-
Netherlands	104,268	17,806	-	18,060	-	157	157	20	160	180
New Zealand	-	2	-	1	-	1	1	-	-	-
Nicaragua	3,356	0	-	-	-	1,253	1,253	-	-	-
Nigeria	-	6,863	-	0	-	2,427	2,427	-	-	-
Norway	13,956	15,767	-	1,099	-	-	-	-	0	0
Pakistan	-	-	-	-	-	0	0	-	-	-
Panama	5,620	1,112	-	7	-	8,465	8,465	0	401	401
Peru	6,886	4,554	-	1,411	-	8,781	8,781	1	763	764
Philippines	-	525	-	327	-	-	-	-	-	-
Portugal	6,584	8,247	-	300	-	-	-	-	0	0
Puerto Rico	-	297	-	35	-	337	337	1	4	5
Romania	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	0	-	8	-	3	3	-	1	1
Serbia (Excludes Kosovo) ..	-	-	-	-	-	-	-	-	-	-
Singapore	52,121	14,320	-	3,617	-	742	742	0	17	17
South Africa	798	3,786	-	0	-	330	330	-	-	-
Spain	31,528	6,422	-	133	-	221	221	-	-	-
Switzerland	5,117	6,757	-	954	-	-	-	-	-	-
Taiwan	52,945	593	-	2,972	-	7	7	0	201	201
Thailand	13,450	260	-	23	-	-	-	-	-	-
Trinidad and Tobago	-	23	-	3	-	1,025	1,025	-	-	-
Turkey	-	13,255	-	0	-	1	1	-	0	0
United Arab Emirates	-	279	-	4	-	6	6	-	0	0
United Kingdom	84,972	17,191	-	2,410	-	120	120	-	304	304
Venezuela	-	5	-	3	-	3	3	1	0	2
Other	25,833	31,367	-	1,975	-	4,334	4,334	4	6	9
Total	1,081,390	842,796	-	128,764	-	298,018	298,018	77	31,803	31,880

See footnotes at end of table.

Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2021
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina	0	—	NA	NA	3,259	803	1,255	—	5,317	0	—
Australia	34	0	NA	NA	4	—	—	—	4	0	—
Bahamas	1	—	NA	NA	2,818	18	3,366	—	6,201	—	—
Bahrain	1	—	NA	NA	0	—	—	—	0	—	—
Belgium	72	0	NA	NA	1,856	—	250	—	2,106	—	—
Belize	0	—	NA	NA	800	25	—	—	825	7	—
Brazil	1,656	0	NA	NA	44,686	3,164	2,384	—	50,234	523	—
Canada	8,923	3,376	NA	NA	444	4,093	1,396	—	5,934	394	—
Cayman Islands	0	—	NA	NA	1,441	—	—	—	1,441	—	—
Chile	5	1	NA	NA	35,272	310	655	—	36,237	0	—
China	2,389	—	NA	NA	10	—	1	—	12	0	—
Colombia	876	—	NA	NA	8,814	160	322	—	9,296	23	—
Costa Rica	3	—	NA	NA	7,458	—	—	—	7,458	0	—
Denmark	—	—	NA	NA	426	150	25	—	602	—	—
Dominican Republic	12	—	NA	NA	3,630	547	1,780	—	5,958	1	—
Ecuador	0	—	NA	NA	5,019	2,146	3,142	—	10,308	9	—
Egypt	2	—	NA	NA	5	—	—	—	5	0	—
El Salvador	0	—	NA	NA	1,314	717	1,489	—	3,519	0	—
Finland	407	—	NA	NA	2	—	—	—	2	—	—
France	175	—	NA	NA	331	—	—	—	331	—	—
Germany	56	12	NA	NA	1	—	—	—	1	—	—
Ghana	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar	—	—	NA	NA	4,622	124	2,277	—	7,024	—	—
Greece	1	—	NA	NA	—	—	—	—	—	—	—
Guatemala	0	—	NA	NA	8,009	1,422	3,809	—	13,240	0	—
Honduras	0	—	NA	NA	8,837	867	257	—	9,960	0	—
Hong Kong	0	—	NA	NA	—	—	—	—	—	0	—
India	3,552	—	NA	NA	74	0	20	—	93	—	—
Indonesia	0	0	NA	NA	1,350	—	—	—	1,350	—	—
Ireland	0	—	NA	NA	314	—	—	—	314	—	—
Israel	14	—	NA	NA	0	—	—	—	0	0	—
Italy	45	0	NA	NA	0	339	—	—	339	—	—
Jamaica	404	—	NA	NA	1,171	392	891	—	2,454	0	—
Japan	28	—	NA	NA	10	—	—	—	10	0	—
Korea, South	3,592	4	NA	NA	393	0	—	—	393	0	—
Lebanon	—	—	NA	NA	0	—	—	—	0	—	—
Mexico	1,223	37	NA	NA	102,823	542	961	—	104,326	560	—
Montenegro	—	—	NA	NA	—	—	—	—	—	—	—
Morocco	—	—	NA	NA	326	—	—	—	326	—	—
Mozambique	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands	974	199	NA	NA	2,547	989	919	—	4,455	187	—
New Zealand	0	0	NA	NA	0	—	—	—	0	0	—
Nicaragua	0	—	NA	NA	691	752	1,244	—	2,687	134	—
Nigeria	1,188	0	NA	NA	3	—	—	—	3	—	—
Norway	81	2	NA	NA	1,690	—	—	—	1,690	—	—
Pakistan	0	—	NA	NA	—	—	—	—	—	—	—
Panama	0	0	NA	NA	18,689	3,515	2,822	—	25,027	16	—
Peru	1,046	651	NA	NA	24,302	0	601	—	24,903	7	—
Philippines	658	—	NA	NA	—	—	—	—	—	—	—
Portugal	—	—	NA	NA	0	—	—	—	0	—	—
Puerto Rico	42	—	NA	NA	58	3	1	—	62	0	—
Romania	—	—	NA	NA	228	—	—	—	228	—	—
Saudi Arabia	481	—	NA	NA	13	—	—	—	13	—	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore	97	169	NA	NA	6,316	80	2,030	—	8,426	0	—
South Africa	0	—	NA	NA	0	—	—	—	0	—	—
Spain	0	—	NA	NA	668	305	443	—	1,416	—	—
Switzerland	67	—	NA	NA	650	35	15	—	701	—	—
Taiwan	3	0	NA	NA	1	—	—	—	1	0	—
Thailand	0	—	NA	NA	1	—	—	—	1	—	—
Trinidad and Tobago	1	—	NA	NA	1,629	1,527	1,343	—	4,499	—	—
Turkey	189	0	NA	NA	2	—	—	—	2	—	—
United Arab Emirates	1	—	NA	NA	5	—	0	—	5	3	—
United Kingdom	987	0	NA	NA	7,706	—	620	—	8,326	2	—
Venezuela	0	—	NA	NA	27	1	—	—	28	0	—
Other	296	1	NA	NA	13,834	3,980	4,429	—	22,238	5	—
Total	29,582	4,452	NA	NA	324,579	27,006	38,747	—	390,331	1,871	—

See footnotes at end of table.

Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2021
(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	-	162	-	-	-	-	2	169
Australia	-	0	-	0	-	-	10	2,731
Bahamas	-	503	-	2,322	-	-	-	-
Bahrain	-	-	-	-	-	-	0	-
Belgium	-	-	-	0	-	-	1	1,615
Belize	-	32	-	-	-	-	-	-
Brazil	-	242	-	-	-	-	9	19,045
Canada	-	5,578	-	8,986	-	-	1,349	6,639
Cayman Islands	-	121	-	1	-	-	-	-
Chile	-	2,974	-	2,407	-	-	6	2
China	-	1	-	23	-	-	32	31,742
Colombia	-	295	-	1	-	-	3	0
Costa Rica	-	1,423	-	-	-	-	1	720
Denmark	-	-	-	-	-	-	0	1,207
Dominican Republic	-	1,469	-	1,336	-	-	1	1,644
Ecuador	-	3	-	0	-	-	1	2,309
Egypt	-	1	-	-	-	-	0	862
El Salvador	-	532	-	0	-	-	0	466
Finland	-	-	-	0	-	-	0	349
France	-	0	-	0	-	-	2	2,198
Germany	-	-	-	6	-	-	37	199
Ghana	-	-	-	-	-	-	0	44
Gibraltar	-	149	-	-	-	-	-	-
Greece	-	0	-	-	-	-	-	2,293
Guatemala	-	962	-	0	-	-	2	3,197
Honduras	-	668	-	107	-	-	1	2,133
Hong Kong	-	0	-	0	-	-	1	0
India	-	0	-	5	-	-	19	11,843
Indonesia	-	-	-	0	-	-	1	0
Ireland	-	-	-	-	-	-	0	1,007
Israel	-	1,488	-	0	-	-	0	1,018
Italy	-	-	-	-	-	-	7	6,952
Jamaica	-	211	-	349	-	-	0	0
Japan	-	0	-	2	-	-	8	19,517
Korea, South	-	0	-	73	-	-	3	416
Lebanon	-	0	-	507	-	-	-	365
Mexico	-	16,034	-	4,469	-	-	198	22,833
Montenegro	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	5,163
Mozambique	-	-	-	-	-	-	-	1,063
Netherlands	-	-	-	1,822	-	-	78	4,571
New Zealand	-	0	-	0	-	-	0	435
Nicaragua	-	276	-	-	-	-	-	0
Nigeria	-	0	-	-	-	-	0	0
Norway	-	-	-	-	-	-	0	1,065
Pakistan	-	-	-	-	-	-	0	592
Panama	-	3,062	-	4,212	-	-	3	-
Peru	-	1,004	-	2	-	-	1	1
Philippines	-	-	-	0	-	-	1	1
Portugal	-	-	-	-	-	-	0	471
Puerto Rico	-	126	-	0	-	-	1	-
Romania	-	-	-	-	-	-	-	232
Saudi Arabia	-	11	-	2,432	-	-	0	271
Serbia (Excludes Kosovo) ..	-	-	-	-	-	-	-	-
Singapore	-	0	-	2,984	-	-	0	1
South Africa	-	0	-	1	-	-	2	909
Spain	-	302	-	-	-	-	9	6,981
Switzerland	-	-	-	-	-	-	0	-
Taiwan	-	0	-	1	-	-	2	2
Thailand	-	0	-	0	-	-	1	1
Trinidad and Tobago	-	1	-	-	-	-	0	1
Turkey	-	-	-	9	-	-	0	10,566
United Arab Emirates	-	2	-	1	-	-	0	1,113
United Kingdom	-	350	-	341	-	-	7	1,010
Venezuela	-	-	-	6	-	-	0	-
Other	-	1,218	-	3,130	-	-	11	7,507
Total	-	39,200	-	35,535	-	-	1,810	185,471

See footnotes at end of table.

Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2021
(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	344	500	0	8,483	8,492	0	23	23
Australia	3	66	3	7,513	12,160	13	21	33
Bahamas	24	24	2	13,489	13,489	—	37	37
Bahrain	0	2	—	6	6	—	0	0
Belgium	3	5,177	9	22,348	22,877	1	61	63
Belize	—	14	—	1,500	1,500	—	4	4
Brazil	1	3,773	10	133,144	152,665	53	365	418
Canada	2,147	3,419	83	191,093	304,654	311	524	835
Cayman Islands	16	12	0	1,742	1,742	—	5	5
Chile	525	942	0	66,435	71,647	14	182	196
China	11	199	8	137,155	230,519	256	376	632
Colombia	2	1,203	4	38,582	45,570	19	106	125
Costa Rica	468	193	1	20,806	20,806	—	57	57
Denmark	—	1	—	2,058	13,168	30	6	36
Dominican Republic	384	240	1	29,022	38,042	25	80	104
Ecuador	1	539	0	33,211	33,211	—	91	91
Egypt	—	4	—	13,555	13,555	—	37	37
El Salvador	0	266	0	14,200	14,200	—	39	39
Finland	0	14	—	4,519	4,519	0	12	12
France	—	38	0	11,434	48,744	102	31	134
Germany	31	59	1	767	29,149	78	2	80
Ghana	—	5	—	775	775	—	2	2
Gibraltar	—	—	—	9,547	9,547	—	26	26
Greece	—	4	—	2,848	2,848	—	8	8
Guatemala	—	245	—	39,080	39,080	—	107	107
Honduras	291	135	0	24,716	24,716	—	68	68
Hong Kong	—	20	1	35	35	—	0	0
India	4	1,420	3	53,322	206,745	420	146	566
Indonesia	12	25	0	47,886	49,284	4	131	135
Ireland	—	4	1	1,448	15,835	39	4	43
Israel	—	297	0	2,894	5,928	8	8	16
Italy	0	12	1	8,658	50,437	114	24	138
Jamaica	24	79	1	5,011	5,011	—	14	14
Japan	9	156	46	175,239	177,963	7	480	488
Korea, South	7	84	4	78,687	206,241	349	216	565
Lebanon	—	7	—	880	880	—	2	2
Mexico	2,373	12,604	191	421,812	421,812	—	1,156	1,156
Montenegro	—	0	—	0	0	—	0	0
Morocco	—	0	—	21,382	21,382	—	59	59
Mozambique	—	1	—	1,064	1,064	—	3	3
Netherlands	17	125	2	48,635	152,903	286	133	419
New Zealand	454	9	1	903	903	—	2	2
Nicaragua	—	67	—	4,416	7,773	9	12	21
Nigeria	0	196	—	10,677	10,677	—	29	29
Norway	1	6	—	19,712	33,668	38	54	92
Pakistan	1	2	0	596	596	—	2	2
Panama	143	431	0	42,879	48,499	15	117	133
Peru	1	806	2	43,935	50,820	19	120	139
Philippines	0	18	2	1,532	1,532	—	4	4
Portugal	—	1	—	9,019	15,603	18	25	43
Puerto Rico	66	130	0	1,102	1,102	—	3	3
Romania	—	3	—	463	463	—	1	1
Saudi Arabia	67	50	0	3,337	3,337	—	9	9
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	1	240	0	30,617	82,738	143	84	227
South Africa	0	582	—	5,609	6,407	2	15	18
Spain	—	17	0	15,502	47,030	86	42	129
Switzerland	0	9	0	8,487	13,604	14	23	37
Taiwan	2	64	2	3,850	56,795	145	11	156
Thailand	3	49	3	341	13,791	37	1	38
Trinidad and Tobago	0	126	0	5,679	5,679	—	16	16
Turkey	0	314	1	24,337	24,337	—	67	67
United Arab Emirates	11	420	0	1,846	1,846	—	5	5
United Kingdom	1	148	4	31,201	116,172	233	85	318
Venezuela	—	76	—	123	123	—	0	0
Other	126	715	116	73,029	98,867	75	200	271
Total	7,574	36,387	503	2,034,173	3,115,563	2,963	5,573	8,536

-- = 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, 2021
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	798	-17	-	54	-	-4	-4	3	31	34
Algeria	18	-	-	15	-	0	0	-	1	1
Angola	32	0	-	1	-	-	-	-	3	3
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	2	-	-	-	-	-	-	0	0
Gabon	-	-	-	-	-	-1	-1	-	0	0
Iran	6	-	-	-	-	-	-	-	-	-
Iraq	152	-	-	5	-	-	-	-	0	0
Kuwait	21	0	-	0	-	0	0	-	-	-
Libya	90	-	-	1	-	0	0	-	-	-
Nigeria	108	-18	-	0	-	-7	-7	-	7	7
Saudi Arabia	356	0	-	27	-	3	3	3	17	20
United Arab Emirates	17	-1	-	5	-	0	0	-	3	3
Venezuela	-	0	-	0	-	0	0	0	0	0
Non-OPEC	2,353	-2,135	16	152	-	-704	-704	219	357	576
Argentina	28	0	-	-4	-	-1	-1	-	4	4
Aruba	-	0	-	0	-	-1	-1	0	0	0
Australia	-13	-13	-	0	-	0	0	0	0	0
Bahamas	-	-3	-	-2	-	-5	-5	0	2	2
Bahrain	0	-	-	0	-	0	0	-	-	-
Belgium	-1	-26	-	-7	-	3	3	8	10	18
Brazil	50	-54	-	-57	-	-45	-45	1	24	25
Brunei	25	-	-	-	-	-	-	-	-	-
Cameroon	4	0	-	-	-	0	0	-	-	-
Canada	3,448	-137	16	-46	-	-5	-5	102	8	109
Chad	-	-	-	-	-	-	-	-	-	-
China	-256	-280	-	-1	-	0	0	-	0	0
Colombia	161	-1	-	-26	-	-40	-40	0	-6	-6
Denmark	-30	-	-	-1	-	0	0	0	0	1
Dominican Republic	-25	-36	-	0	-	-12	-12	-	-1	-1
Ecuador	148	-36	-	13	-	-17	-17	-	0	0
Estonia	-	-	-	0	-	0	0	-	0	0
Finland	0	-10	-	0	-	1	1	-	18	18
France	-102	-22	-	2	-	0	0	10	14	23
Germany	-78	-1	-	1	-	1	1	0	2	2
Guatemala	3	-11	-	0	-	-48	-48	0	0	0
Honduras	-	-15	-	0	-	-16	-16	-	0	0
India	-420	-99	-	0	-	4	4	0	61	61
Indonesia	-4	-127	-	0	-	-	-	-	-	-
Italy	-114	-4	-	2	-	8	8	3	28	32
Japan	-7	-384	-	-42	-	0	0	0	5	5
Korea, South	-349	-160	-	-42	-	11	11	0	16	16
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-2	-	-	-	-	1	1	-	3	3
Malaysia	-	0	-	1	-	0	0	-	1	1
Mexico	583	-184	0	34	-	-463	-463	0	-40	-40
Netherlands	-286	-49	-	-48	-	15	15	40	43	83
Norway	10	-43	-	-1	-	2	2	12	6	17
Oman	-	-	-	0	-	0	0	-	0	0
Panama	-15	-3	-	0	-	-23	-23	0	-1	-1
Portugal	-18	-23	-	-1	-	2	2	5	21	26
Puerto Rico	-	-1	-	0	-	-1	-1	0	0	0
Qatar	-	-	-	0	-	0	0	0	-	0
Russia	199	0	-	355	-	14	14	3	48	51
Spain	-86	-18	-	0	-	2	2	0	24	24
Sweden	-22	-24	-	-1	-	1	1	1	14	14
Trinidad and Tobago	39	0	-	0	-	-3	-3	-	-	-
United Kingdom	-192	-47	-	-2	-	3	3	33	20	53
Vietnam	-1	-10	-	0	-	0	0	0	0	0
Virgin Islands, U.S.	-23	-3	-	7	-	-2	-2	-	5	5
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-301	-311	0	18	-	-90	-90	1	28	31
Total	3,151	-2,152	16	206	-	-709	-709	222	388	610
Persian Gulf⁴	551	-1	-	37	-	3	3	3	20	23

See footnotes at end of table.

Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel ²	Other Biofuels ^{2,3}	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
OPEC	-5	0	-	-	30	0	0	-	30	0	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	0	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	0	-	-	-	0	0	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	0	-	-	-	0	0	-
Kuwait	0	-	-	-	4	-	-	-	4	-	-
Libya	-	-	-	-	0	-	-	-	0	-	-
Nigeria	-3	0	-	-	9	-	-	-	9	-	-
Saudi Arabia	-1	-	-	-	14	-	-	-	14	-	-
United Arab Emirates	0	-	-	-	4	-	0	-	4	0	-
Venezuela	0	-	-	-	0	0	-	-	0	0	-
Non-OPEC	-73	2	26	0	-637	-70	-104	-	-811	-4	1
Argentina	0	-	-	-	-9	-2	-3	-	-15	0	-
Aruba	0	-	-	-	0	-	0	-	-1	0	-
Australia	0	0	-	-	0	-	-	-	0	0	-
Bahamas	0	-	-	-	-8	0	-9	-	-17	-	-
Bahrain	0	-	-	-	1	-	-	-	1	-	-
Belgium	0	0	-	-	8	-	-1	-	8	-	-
Brazil	-1	0	-	-	-122	-9	-7	-	-138	-1	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-24	-1	-	0	125	-11	-3	-	111	-1	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-7	-	-	-	0	-	0	-	0	0	-
Colombia	-2	-	-	-	-7	0	-1	-	-8	0	-
Denmark	-	-	-	-	-1	0	0	-	-2	-	-
Dominican Republic	0	-	-	-	-10	-1	-5	-	-16	0	-
Ecuador	0	-	-	-	-14	-6	-9	-	-28	0	-
Estonia	-	-	-	-	-	-	-	-	-	-	0
Finland	-1	-	-	-	1	-	-	-	1	-	-
France	0	-	-	-	0	-	-	-	0	-	-
Germany	0	2	-	-	0	-	-	-	0	-	-
Guatemala	0	-	-	-	-22	-4	-10	-	-36	0	-
Honduras	0	-	-	-	-24	-2	-1	-	-27	0	-
India	-10	-	-	-	15	0	0	-	15	-	-
Indonesia	0	0	-	-	-3	-	-	-	-3	-	-
Italy	0	0	-	-	1	-1	-	-	0	-	-
Japan	0	-	-	-	2	-	-	-	2	1	-
Korea, South	-10	2	-	-	5	4	-	-	9	0	-
Latvia	-	-	-	-	0	-	-	-	0	-	-
Lithuania	0	-	-	-	0	-	-	-	0	-	-
Malaysia	0	0	-	-	1	-	0	-	1	0	-
Mexico	-3	0	-	-	-282	-1	-3	-	-286	-2	-
Netherlands	-3	-1	0	-	11	-3	-3	-	6	-1	1
Norway	0	0	-	-	-5	-	-	-	-5	-	-
Oman	0	-	-	-	7	-	-	-	7	-	-
Panama	0	0	-	-	-51	-10	-8	-	-69	0	-
Portugal	-	-	-	-	1	-	-	-	1	-	-
Puerto Rico	0	-	-	-	0	0	0	-	0	0	-
Qatar	0	-	-	-	12	-	-	-	12	0	-
Russia	0	-	-	-	24	0	-	-	24	-	-
Spain	0	2	-	-	-2	-1	-1	-	-4	-	-
Sweden	-1	-	-	-	1	-	-	-	1	-	-
Trinidad and Tobago	0	-	-	-	-4	-4	-4	-	-12	-	-
United Kingdom	-3	0	-	-	-21	-	-2	-	-23	0	-
Vietnam	0	-	-	-	0	-	-	-	0	0	-
Virgin Islands, U.S.	0	-	-	-	-10	-3	0	-	-12	0	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-8	-2	26	0	-257	-16	-34	-	-308	0	0
Total	-77	2	26	0	-607	-70	-104	-	-781	-4	1
Persian Gulf⁴	-1	-	-	-	34	-	0	-	34	0	-

See footnotes at end of table.

Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2021
(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		
OPEC	-	23	1	-1	0	-	0	-3
Algeria	-	3	-	3	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	0	-	-	-	0
Gabon	-	0	-	0	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	0	-	-	-	-	0	-
Kuwait	-	6	-	2	-	-	0	0
Libya	-	0	-	0	-	-	-	-
Nigeria	-	0	-	-	0	-	0	0
Saudi Arabia	-	6	1	-6	-	-	0	0
United Arab Emirates	-	7	-	0	-	-	0	-3
Venezuela	-	-	-	0	-	-	0	-
Non-OPEC	-	28	10	90	13	3	1	-495
Argentina	-	0	-	1	0	0	0	3
Aruba	-	-2	-	0	-	-	0	-
Australia	-	0	-	0	-	-	0	-7
Bahamas	-	-1	-	4	-	-	-	-
Bahrain	-	-	-	1	-	-	0	-
Belgium	-	1	-	0	1	-	0	-4
Brazil	-	-1	1	5	-	-	0	-49
Brunei	-	1	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	0
Canada	-	-3	3	0	3	2	-1	-17
Chad	-	-	-	-	-	-	-	-
China	-	2	-	0	-	-	1	-87
Colombia	-	0	-	4	-	-	0	0
Denmark	-	-	-	0	-	-	0	-3
Dominican Republic	-	-4	-	-4	-	-	0	-5
Ecuador	-	0	-	5	-	-	0	-6
Estonia	-	-	-	1	-	-	-	-
Finland	-	-	-	0	0	-	0	-1
France	-	1	-	0	0	1	0	-6
Germany	-	-	-	2	0	-	0	-1
Guatemala	-	-3	-	0	-	-	0	-9
Honduras	-	-2	-	0	-	-	0	-6
India	-	15	1	2	-	-	0	-32
Indonesia	-	0	-	0	0	-	0	0
Italy	-	4	-	2	-	-	0	-19
Japan	-	9	1	0	2	-	0	-53
Korea, South	-	80	3	0	1	-	0	-1
Latvia	-	-	-	-	-	-	0	-
Lithuania	-	-	-	-	-	-	0	0
Malaysia	-	0	-	-3	-	-	0	-1
Mexico	-	-44	0	60	4	-	-1	-63
Netherlands	-	1	0	-3	0	-	0	-12
Norway	-	-	-	0	-	-	0	-3
Oman	-	1	-	-	-	-	-	-1
Panama	-	-8	-	-10	-	-	0	-
Portugal	-	0	-	-	-	-	0	-1
Puerto Rico	-	0	-	0	-	-	0	-
Qatar	-	0	-	0	0	-	0	-2
Russia	-	1	-	28	0	-	0	0
Spain	-	-1	-	1	-	-	0	-19
Sweden	-	-	-	0	-	-	0	0
Trinidad and Tobago	-	0	-	-	-	-	0	0
United Kingdom	-	-1	-	0	0	-	0	-3
Vietnam	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-	1	-	3	0	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-	-19	1	-9	2	0	2	-87
Total	-	51	11	89	13	3	1	-498
Persian Gulf⁴	-	19	1	-4	0	-	0	-4

See footnotes at end of table.

Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	2	0	116	914
Algeria	0	0	—	22	39
Angola	0	0	—	4	36
Congo (Brazzaville)	—	—	—	—	—
Equatorial Guinea	—	0	—	2	2
Gabon	—	0	—	-1	-1
Iran	—	—	—	—	6
Iraq	—	0	—	5	157
Kuwait	—	0	—	12	33
Libya	—	0	—	1	91
Nigeria	0	-1	—	-12	96
Saudi Arabia	0	0	0	64	421
United Arab Emirates	0	3	0	18	35
Venezuela	—	0	—	0	0
Non-OPEC	33	-56	-1	-3,329	-976
Argentina	-1	-1	0	-13	15
Aruba	0	0	—	-4	-4
Australia	0	0	0	-21	-33
Bahamas	0	0	0	-22	-22
Bahrain	0	2	—	4	4
Belgium	0	-14	0	-21	-23
Brazil	0	-10	0	-325	-275
Brunei	—	0	—	1	26
Cameroon	0	0	—	0	4
Canada	46	1	0	57	3,506
Chad	—	0	—	0	0
China	0	-1	0	-372	-628
Colombia	1	-3	0	-82	78
Denmark	—	0	—	-4	-35
Dominican Republic	-1	-1	0	-79	-104
Ecuador	0	-1	0	-71	77
Estonia	—	0	0	1	1
Finland	0	0	—	8	8
France	—	0	0	-1	-103
Germany	0	0	0	6	-72
Guatemala	—	-1	—	-107	-104
Honduras	-1	0	0	-68	-68
India	0	-4	0	-46	-467
Indonesia	0	3	0	-127	-131
Italy	0	0	0	24	-90
Japan	0	0	0	-460	-468
Korea, South	0	9	0	-80	-430
Latvia	—	0	0	0	0
Lithuania	—	0	0	4	2
Malaysia	0	0	0	-1	-1
Mexico	-7	-35	-1	-1,028	-445
Netherlands	0	3	0	-7	-293
Norway	0	0	—	-31	-21
Oman	0	0	—	7	7
Panama	0	-1	0	-116	-132
Portugal	—	0	—	5	-13
Puerto Rico	0	0	0	-3	-3
Qatar	—	10	—	20	20
Russia	0	0	—	474	673
Spain	1	0	0	-13	-99
Sweden	—	0	0	-10	-32
Trinidad and Tobago	0	0	0	-15	24
United Kingdom	0	0	0	-23	-215
Vietnam	0	0	0	-11	-12
Virgin Islands, U.S.	0	0	0	-1	-24
Yemen	—	0	—	0	0
Other	-5	-12	0	-778	-1,074
Total	33	-53	-1	-3,213	-62
Persian Gulf⁴	0	16	0	123	675

-- = 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. Quantities are gross imports because exports are excluded from EIA data.

³ 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.

⁴ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

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.

Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	7,395	117,519	818,876	24,328	46,748	1,014,866
Refinery	5,872	12,926	40,941	2,535	20,561	82,835
Tank Farms and Pipelines (Includes Cushing, OK)	1,523	104,593	184,253	21,793	22,639	334,801
Cushing, Oklahoma	--	37,616	--	--	--	37,616
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	593,682	--	--	593,682
Alaskan In Transit	--	--	--	--	3,548	3,548
Total Stocks, All Oils (excluding Crude Oil)²	150,423	174,531	339,735	25,679	87,061	777,428
Refinery	12,065	47,590	111,418	10,748	46,985	228,806
Bulk Terminal	108,901	88,778	170,945	8,098	35,059	411,780
Pipeline	29,209	36,682	56,244	6,668	4,629	133,432
Natural Gas Processing Plant	248	1,481	1,128	165	388	3,410
Natural Gas Liquids	10,044	49,351	120,913	7,104	3,557	190,969
Refinery	417	3,728	4,568	334	1,346	10,393
Bulk Terminal	7,362	26,941	91,871	2,080	1,823	130,077
Pipeline	2,017	17,201	23,346	4,525	--	47,089
Natural Gas Processing Plant	248	1,481	1,128	165	388	3,410
Ethane	684	6,933	54,288	1,299	--	63,204
Refinery	--	--	12	--	--	12
Bulk Terminal	168	3,189	45,618	--	--	48,975
Pipeline	516	3,582	8,593	1,293	--	13,984
Natural Gas Processing Plant	--	162	65	6	--	233
Propane	7,520	21,438	30,378	2,833	1,670	63,839
Refinery	86	1,091	855	47	103	2,182
Bulk Terminal	6,063	15,972	22,656	1,084	1,431	47,206
Pipeline	1,249	3,711	6,740	1,639	--	13,339
Natural Gas Processing Plant	122	664	127	63	136	1,112
Normal Butane	1,443	8,853	19,928	1,821	1,513	33,558
Refinery	245	1,829	2,371	166	948	5,559
Bulk Terminal	985	5,534	14,682	992	390	22,583
Pipeline	165	1,324	2,471	632	--	4,592
Natural Gas Processing Plant	48	166	404	31	175	824
Isobutane	136	2,352	6,414	438	334	9,674
Refinery	86	526	844	97	292	1,845
Bulk Terminal	--	796	4,112	--	--	4,908
Pipeline	44	891	1,354	320	--	2,609
Natural Gas Processing Plant	6	139	104	21	42	312
Natural Gasoline	261	9,775	9,905	713	40	20,694
Refinery	--	282	486	24	3	795
Bulk Terminal	146	1,450	4,803	4	2	6,405
Pipeline	43	7,693	4,188	641	--	12,565
Natural Gas Processing Plant	72	350	428	44	35	929
Refinery Olefins	259	560	1,138	76	50	2,083
Refinery	259	560	1,138	76	50	2,083
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Propylene	146	453	779	3	16	1,397
Refinery	146	453	779	3	16	1,397
Normal Butylene	84	107	343	73	34	641
Refinery	84	107	343	73	34	641
Isobutylene	29	0	16	0	0	45
Refinery	29	0	16	0	0	45
Other Hydrocarbons	--	16	--	--	--	16
Refinery	--	16	--	--	--	16
Biofuels (Including Fuel Ethanol)²	7,074	10,614	5,558	420	4,992	28,659
Refinery	232	148	307	137	760	1,584
Bulk Terminal	6,813	10,466	5,251	278	4,232	27,041
Pipeline	29	--	--	5	--	34
Fuel Ethanol	6,027	9,381	3,891	379	2,357	22,036
Refinery	221	107	181	126	155	790
Bulk Terminal	5,777	9,274	3,710	248	2,202	21,212
Pipeline	29	--	--	5	--	34
Biodiesel	1,039	1,106	1,249	17	776	4,187
Refinery	11	41	126	11	2	191
Bulk Terminal	1,028	1,065	1,123	6	774	3,996
Pipeline	--	--	--	--	--	--
Renewable Diesel Fuel	8	90	400	24	1,831	2,353
Refinery	--	--	--	--	603	603
Bulk Terminal	8	90	400	24	1,228	1,750
Pipeline	--	--	--	--	--	--
Other Biofuels³	--	37	18	--	28	83
Refinery	--	--	--	--	--	--
Bulk Terminal	--	37	18	--	28	83
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	3,572	13,270	41,147	2,778	18,933	79,700
Naphthas and Lighter	749	3,628	10,199	611	3,102	18,289
Refinery	730	3,601	9,253	611	2,841	17,036
Bulk Terminal	19	27	946	—	261	1,253
Kerosene and Light Gas Oils	346	2,740	7,358	557	3,423	14,424
Refinery	337	2,740	6,140	557	3,325	13,099
Bulk Terminal	9	—	1,218	—	98	1,325
Heavy Gas Oils	1,790	4,784	18,042	1,233	9,400	35,249
Refinery	1,548	4,708	16,818	1,233	8,244	32,551
Bulk Terminal	242	76	1,224	—	1,156	2,698
Residuum	687	2,118	5,548	377	3,008	11,738
Refinery	687	2,118	5,290	377	3,008	11,480
Bulk Terminal	—	—	258	—	—	258
Motor Gasoline Blending Components²	58,914	46,339	74,970	6,565	27,575	214,363
Refinery	3,283	12,936	27,133	3,273	13,112	59,737
Bulk Terminal	43,865	25,026	30,700	2,267	12,129	113,987
Pipeline	11,766	8,377	17,137	1,025	2,334	40,639
Reformulated - RBOB	19,383	4,650	9,493	—	13,831	47,357
Refinery	1,304	919	1,536	—	4,842	8,601
Bulk Terminal	14,027	3,316	4,764	—	7,485	29,592
Pipeline	4,052	415	3,193	—	1,504	9,164
Conventional	39,531	41,689	65,477	6,565	13,744	167,006
Refinery	1,979	12,017	25,597	3,273	8,270	51,136
Bulk Terminal	29,838	21,710	25,936	2,267	4,644	84,395
Pipeline	7,714	7,962	13,944	1,025	830	31,475
CBOB	27,998	34,673	37,016	5,157	6,996	111,840
Refinery	302	6,021	10,836	1,868	2,376	21,403
Bulk Terminal	20,195	20,738	12,248	2,264	3,790	59,235
Pipeline	7,501	7,914	13,932	1,025	830	31,202
GTAB	1,230	—	—	—	—	1,230
Refinery	—	—	—	—	—	—
Bulk Terminal	1,230	—	—	—	—	1,230
Pipeline	—	—	—	—	—	—
Other	10,303	7,016	28,461	1,408	6,748	53,936
Refinery	1,677	5,996	14,761	1,405	5,894	29,733
Bulk Terminal	8,413	972	13,688	3	854	23,930
Pipeline	213	48	12	—	—	273
Aviation Gasoline Blending Components	—	—	25	—	—	25
Refinery	—	—	25	—	—	25
Bulk Terminal	—	—	—	—	—	—
Finished Motor Gasoline	2,916	4,402	6,769	1,582	2,146	17,815
Refinery	36	895	3,058	877	878	5,744
Bulk Terminal	722	1,186	2,940	536	1,196	6,580
Pipeline	2,158	2,321	771	169	72	5,491
Reformulated	6	—	—	—	16	22
Refinery	—	—	—	—	16	16
Bulk Terminal	6	—	—	—	—	6
Pipeline	—	—	—	—	—	—
Reformulated (Blended with Fuel Ethanol)	6	—	—	—	16	22
Refinery	—	—	—	—	16	16
Bulk Terminal	6	—	—	—	—	6
Pipeline	—	—	—	—	—	—
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	2,910	4,402	6,769	1,582	2,130	17,793
Refinery	36	895	3,058	877	862	5,728
Bulk Terminal	716	1,186	2,940	536	1,196	6,574
Pipeline	2,158	2,321	771	169	72	5,491
Conventional (Blended with Fuel Ethanol)	—	149	—	65	28	242
Refinery	—	—	—	64	—	64
Bulk Terminal	—	149	—	1	28	178
Pipeline	—	—	—	—	—	—
Ed55 and Lower	—	149	—	65	—	214
Refinery	—	—	—	64	—	64
Bulk Terminal	—	149	—	1	—	150
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	28	28
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	28	28
Pipeline	—	—	—	—	—	—
Conventional (Other)	2,910	4,253	6,769	1,517	2,102	17,551
Refinery	36	895	3,058	813	862	5,664
Bulk Terminal	716	1,037	2,940	535	1,168	6,396
Pipeline	2,158	2,321	771	169	72	5,491

See footnotes at end of table.

Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	247	172	507	9	316	1,251
Refinery	—	73	373	9	211	666
Bulk Terminal	247	99	134	—	105	585
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	9,157	6,821	11,062	692	8,066	35,798
Refinery	644	1,935	4,817	324	3,392	11,112
Bulk Terminal	4,568	2,890	3,203	235	4,032	14,928
Pipeline	3,945	1,996	3,042	133	642	9,758
Kerosene	1,814	137	314	1	35	2,301
Refinery	63	93	46	1	3	206
Bulk Terminal	1,719	44	147	—	32	1,942
Pipeline	32	—	121	—	—	153
Distillate Fuel Oil²	44,582	29,096	39,408	4,526	12,428	130,039
Refinery	1,712	6,627	13,750	1,859	4,624	28,572
Bulk Terminal	33,608	15,682	13,831	1,856	6,223	71,199
Pipeline	9,262	6,787	11,827	811	1,581	30,268
15 ppm sulfur and Under	41,142	28,505	34,627	4,297	11,625	120,195
Refinery	1,453	6,245	11,827	1,659	4,125	25,309
Bulk Terminal	30,866	15,607	11,317	1,827	5,963	65,579
Pipeline	8,823	6,653	11,483	811	1,537	29,307
Greater than 15 ppm to 500 ppm sulfur	1,035	236	1,084	163	267	2,785
Refinery	76	50	277	134	245	782
Bulk Terminal	956	59	672	29	1	1,717
Pipeline	3	127	135	—	21	286
Greater than 500 ppm sulfur	2,405	355	3,697	66	536	7,059
Refinery	183	332	1,646	66	254	2,481
Bulk Terminal	1,786	16	1,842	—	259	3,903
Pipeline	436	7	209	—	23	675
Residual Fuel Oil	4,541	957	15,710	212	4,350	25,770
Refinery	282	839	3,356	212	2,070	6,759
Bulk Terminal	4,259	118	12,354	—	2,280	19,011
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	307	51	1,071	22	1,089	2,540
Refinery	19	50	100	22	29	220
Bulk Terminal	288	1	971	—	1,060	2,320
0.31% to 1.00% Sulfur	1,293	196	4,384	4	435	6,312
Refinery	90	193	553	4	241	1,081
Bulk Terminal	1,203	3	3,831	—	194	5,231
Greater than 1.00% Percent Sulfur	2,941	710	10,255	186	2,826	16,918
Refinery	173	596	2,703	186	1,800	5,458
Bulk Terminal	2,768	114	7,552	—	1,026	11,460
Petrochemical Feedstocks	—	532	2,006	—	2	2,540
Refinery	—	532	2,006	—	2	2,540
Naphtha for Petrochemical Feedstock Use	—	412	1,468	—	2	1,882
Other Oils for Petrochemical Feedstock Use	—	120	538	—	—	658
Special Naphthas	28	152	850	—	18	1,048
Refinery	14	77	842	—	18	951
Bulk Terminal	14	75	8	—	—	97
Lubricants	1,495	721	9,846	—	949	13,011
Refinery	963	247	6,122	—	765	8,097
Bulk Terminal	532	474	3,724	—	184	4,914
Waxes	235	40	274	—	—	549
Refinery	235	40	274	—	—	549
Petroleum Coke	—	1,502	3,846	137	1,335	6,820
Refinery	—	1,502	3,846	137	1,335	6,820
Asphalt and Road Oil	5,478	9,725	4,956	1,559	2,222	23,940
Refinery	558	4,051	1,930	714	914	8,167
Bulk Terminal	4,920	5,674	3,026	845	1,308	15,773
Miscellaneous Products	67	124	437	17	87	732
Refinery	65	124	326	17	87	619
Bulk Terminal	2	—	111	—	—	113
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	157,818	292,050	1,158,611	50,007	133,809	1,792,294

-- = Not Applicable.

- = No Data Reported.

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

2 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 35. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, 2021
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	6	752	758	15,331	31,817	47,148	1,782
Connecticut	—	—	—	1,286	22	1,308	93
Delaware	—	—	—	744	309	1,053	46
District of Columbia	—	—	—	—	—	—	—
Florida	—	355	355	—	6,335	6,335	—
Georgia	—	134	134	—	2,834	2,834	—
Maine	—	—	—	314	305	619	124
Maryland	—	—	—	1,142	98	1,240	92
Massachusetts	5	—	5	1,781	8	1,789	37
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	35	35	5,823	10,129	15,952	493
New York	1	—	1	838	1,788	2,626	559
North Carolina	—	74	74	—	2,983	2,983	138
Pennsylvania	—	—	—	655	3,956	4,611	130
Rhode Island	—	—	—	1,072	18	1,090	—
South Carolina	—	89	89	—	1,586	1,586	21
Vermont	—	—	—	—	26	26	5
Virginia	—	29	29	1,676	1,250	2,926	44
West Virginia	—	36	36	—	170	170	—
PAD District 2	—	2,081	2,081	4,235	33,727	37,962	137
Illinois	—	30	30	2,334	4,427	6,761	76
Indiana	—	78	78	793	4,011	4,804	1
Iowa	—	44	44	—	2,198	2,198	—
Kansas	—	206	206	—	3,886	3,886	17
Kentucky	—	89	89	223	1,306	1,529	—
Michigan	—	10	10	112	2,805	2,917	—
Minnesota	—	318	318	0	2,307	2,307	—
Missouri	—	115	115	289	778	1,067	—
Nebraska	—	51	51	—	745	745	—
North Dakota	—	73	73	—	859	859	—
Ohio	—	592	592	—	3,870	3,870	21
Oklahoma	—	247	247	—	3,158	3,158	—
South Dakota	—	52	52	—	321	321	—
Tennessee	—	84	84	—	1,968	1,968	—
Wisconsin	—	92	92	483	1,088	1,571	22
PAD District 3	—	5,998	5,998	6,300	51,533	57,833	193
Alabama	—	88	88	29	1,317	1,346	3
Arkansas	—	142	142	—	1,090	1,090	—
Louisiana	—	731	731	138	12,801	12,939	9
Mississippi	—	729	729	8	1,948	1,956	—
New Mexico	—	24	24	6	525	531	—
Texas	—	4,284	4,284	6,119	33,852	39,971	181
PAD District 4	—	1,413	1,413	—	5,540	5,540	1
Colorado	—	335	335	—	1,314	1,314	—
Idaho	—	43	43	—	396	396	—
Montana	—	396	396	—	1,471	1,471	—
Utah	—	131	131	—	1,421	1,421	1
Wyoming	—	508	508	—	938	938	—
PAD District 5	16	2,058	2,074	12,327	12,914	25,241	35
Alaska	—	301	301	—	459	459	32
Arizona	—	76	76	820	263	1,083	—
California	16	372	388	11,281	6,607	17,888	3
Hawaii	—	413	413	—	644	644	—
Nevada	—	162	162	11	344	355	—
Oregon	—	80	80	—	1,214	1,214	—
Washington	—	654	654	215	3,383	3,598	—
U.S. Total	22	12,302	12,324	38,193	135,531	173,724	2,148

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, 2021
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	32,319	1,032	1,969	35,320	4,541	6,271
Connecticut	2,666	—	—	2,666	28	—
Delaware	766	39	61	866	134	8
District of Columbia	—	—	—	—	—	—
Florida	2,497	161	—	2,658	682	263
Georgia	1,737	—	—	1,737	172	17
Maine	1,464	3	6	1,473	104	—
Maryland	1,981	—	—	1,981	129	—
Massachusetts	1,390	38	16	1,444	184	—
New Hampshire	715	—	—	715	28	385
New Jersey	7,008	517	1,318	8,843	2,463	68
New York	3,799	—	99	3,898	219	1,827
North Carolina	1,528	—	4	1,532	23	445
Pennsylvania	3,404	—	122	3,526	243	2,241
Rhode Island	1,100	—	—	1,100	—	—
South Carolina	820	—	—	820	24	622
Vermont	37	—	—	37	—	—
Virginia	1,260	240	343	1,843	108	4
West Virginia	147	34	—	181	—	79
PAD District 2	21,852	109	348	22,309	957	17,727
Illinois	3,266	—	2	3,268	413	1,041
Indiana	2,547	0	110	2,657	57	352
Iowa	1,979	1	—	1,980	1	386
Kansas	2,137	—	—	2,137	39	10,264
Kentucky	854	18	—	872	—	313
Michigan	1,367	19	—	1,386	83	4,033
Minnesota	1,852	—	69	1,921	138	273
Missouri	650	13	2	665	—	218
Nebraska	767	—	—	767	—	327
North Dakota	888	1	—	889	34	36
Ohio	1,686	8	95	1,789	76	380
Oklahoma	1,574	49	70	1,693	56	54
South Dakota	467	—	—	467	—	7
Tennessee	871	—	—	871	44	2
Wisconsin	946	—	—	946	16	41
PAD District 3	23,144	949	3,488	27,581	15,710	23,638
Alabama	935	4	48	987	332	18
Arkansas	736	—	—	736	—	51
Louisiana	4,595	525	865	5,985	7,922	1,482
Mississippi	758	207	52	1,017	260	1,824
New Mexico	356	—	—	356	85	3
Texas	15,764	213	2,523	18,500	7,111	20,260
PAD District 4	3,486	163	66	3,715	212	1,194
Colorado	796	—	—	796	3	18
Idaho	257	—	—	257	—	—
Montana	1,122	101	—	1,223	78	26
Utah	608	14	66	688	46	1,096
Wyoming	703	48	—	751	85	54
PAD District 5	10,088	246	513	10,847	4,350	1,670
Alaska	1,035	—	56	1,091	189	5
Arizona	683	—	—	683	—	1,078
California	5,188	245	241	5,674	2,817	401
Hawaii	292	1	213	506	560	87
Nevada	473	—	3	476	—	—
Oregon	606	—	—	606	51	—
Washington	1,811	—	—	1,811	733	99
U.S. Total	90,888	2,499	6,384	99,771	25,770	50,500

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, 2021
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	3,219	596	0	19,161	595,694	87,508	42,206	14,591	214,759
Petroleum Products	201,403	1,228	70	251,288	533,346	152,200	64,559	1,146,507	233,229
Natural Gas Liquids	86,714	983	0	89,095	388,563	104,141	8,324	19,092	101,224
Ethane	60,093	0	—	0	173,375	25,950	—	0	11,944
Propane	14,225	112	0	65,477	123,273	40,956	2,942	18,820	14,564
Normal Butane	3,232	348	0	21,950	42,368	16,997	4,434	251	5,121
Isobutane	5,272	523	0	1,668	16,204	6,078	948	21	9,095
Natural Gasoline	3,892	0	—	0	33,343	14,160	—	0	60,500
Refinery Olefins	0	0	—	4,305	7,853	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	4,305	7,853	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	851	0	—	0	10,303	—	—	116	4,207
Motor Gasoline Blending Components	75,432	0	0	14,809	21,363	22,520	0	660,855	53,084
Reformulated - RBOB	40	0	0	0	2,103	—	—	89,707	23,177
Conventional	75,392	0	0	14,809	19,260	22,520	0	571,148	29,907
CBOB	75,392	0	0	14,809	17,215	22,520	0	568,013	27,492
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	2,045	—	0	3,135	2,415
Biofuels (including Fuel Ethanol)	268	9	64	105,333	71,849	5,918	52,705	3,321	0
Fuel Ethanol	0	0	0	103,034	67,938	5,627	48,784	3,295	0
Biodiesel	268	9	64	2,299	3,911	291	3,922	26	0
Renewable Diesel Fuel	—	0	0	—	0	—	0	—	—
Other Biofuels ²	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	1,160	0	0	10,186	2,845	1,561	0	31,712	11,695
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,160	0	0	10,186	2,845	1,561	0	31,712	11,695
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	1,160	0	0	10,186	2,845	1,561	0	31,712	11,695
Finished Aviation Gasoline	0	0	—	0	0	—	—	986	273
Kerosene-Type Jet Fuel	3,313	0	0	1,120	373	7,454	0	126,649	16,357
Kerosene	19	0	—	0	0	—	—	1,416	0
Distillate Fuel Oil	33,420	0	0	12,901	10,599	10,324	0	291,134	40,965
15 ppm sulfur and under	33,420	0	0	12,901	10,599	10,324	0	282,145	39,828
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	0	0	0	9	1,137
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	8,980	—
Residual Fuel Oil	0	0	—	0	7,073	—	—	436	0
Petrochemical Feedstocks	0	0	—	0	1,097	—	—	111	46
Naphtha for Petrochemical Feedstock Use	0	0	—	0	981	—	—	111	46
Other Oils for Petrochemical Feedstock Use	0	0	—	—	116	—	—	—	0
Special Naphthas	0	0	—	—	0	—	—	—	278
Lubricants	0	60	0	59	9	—	0	6,031	2,538
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	177	0	3,956	7,169	151	856	325	192
Asphalt and Road Oil	227	0	5	9,523	4,250	131	2,674	4,323	2,292
Miscellaneous Products	0	0	—	—	0	—	—	—	79
Total	204,622	1,824	70	270,448	1,129,040	239,708	106,765	1,161,098	447,988

See footnotes at end of table.

Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail¹ Between PAD Districts, 2021
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to			
	4	5	1	2	3	5	1	2	3	4
Crude Oil	0	688	0	299,014	7,535	269	0	0	0	0
Petroleum Products	21	63,345	0	240,954	47,622	25,494	38	410	1,121	269
Natural Gas Liquids	0	575	0	226,340	45,400	2,376	0	0	0	0
Ethane	0	—	0	64,385	18,001	—	0	0	0	0
Propane	0	0	0	84,037	12,665	846	0	0	0	0
Normal Butane	0	259	0	33,492	4,510	1,249	0	0	0	0
Isobutane	0	316	0	14,618	3,781	281	0	0	0	0
Natural Gasoline	0	—	0	29,808	6,443	—	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	—
Motor Gasoline Blending Components	0	41,230	0	2,104	0	12,345	0	0	0	0
Reformulated - RBOB	—	22,440	0	0	0	0	0	0	0	—
Conventional	0	18,790	0	2,104	0	12,345	0	0	0	0
CBOB	0	18,596	0	2,104	0	12,345	0	0	0	0
GTAB	—	—	—	—	—	—	—	—	—	—
Other	—	194	0	0	0	0	0	0	0	—
Biofuels (including Fuel Ethanol)	0	5,114	0	0	0	402	0	0	0	12
Fuel Ethanol	0	2,475	0	0	0	402	0	0	0	0
Biodiesel	0	924	0	0	0	0	0	0	0	12
Renewable Diesel Fuel	—	1,715	—	—	0	0	—	—	0	—
Other Biofuels ²	—	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	4,515	0	1,642	0	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	4,515	0	1,642	0	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	4,515	0	1,642	0	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	0	—
Kerosene-Type Jet Fuel	0	2,925	0	240	0	248	0	0	0	0
Kerosene	—	—	0	0	0	—	0	0	0	—
Distillate Fuel Oil	0	12,244	0	4,282	0	4,211	0	0	0	0
15 ppm sulfur and under	0	12,244	0	4,282	0	4,207	0	0	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	0	4	0	0	0	0
Greater than 500 ppm sulfur	—	—	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	—
Lubricants	—	0	0	0	0	0	0	0	576	—
Waxes	—	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	3	0	0	1,645	802	1,528	38	410	545	73
Asphalt and Road Oil	17	1,257	0	1,828	1,420	2,742	0	0	0	184
Miscellaneous Products	—	—	—	0	0	—	—	0	0	—
Total	21	64,033	0	539,968	55,156	25,764	38	410	1,121	269

— = No Data Reported.

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

² 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, 2021
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	1,630	360	2,143	580,807	87,101	1,481	214,759	0	-
Petroleum Products	196,132	0	99,017	410,438	146,000	872,711	212,278	0	56,108
Natural Gas Liquids	83,714	0	68,997	381,171	104,141	17,071	98,227	0	-
Ethane	60,093	0	0	173,375	25,950	0	11,944	0	-
Propane	13,673	0	51,249	118,301	40,956	17,071	14,119	0	-
Normal Butane	1,788	0	17,748	41,113	16,997	0	3,927	0	-
Isobutane	4,268	0	0	15,039	6,078	0	7,737	0	-
Natural Gasoline	3,892	0	0	33,343	14,160	0	60,500	0	-
Motor Gasoline Blending Components	75,280	0	9,220	18,478	22,520	495,050	51,256	0	40,939
Reformulated - RBOB	40	0	0	2,103	-	89,707	23,177	-	22,343
Conventional	75,240	0	9,220	16,375	22,520	405,343	28,079	0	18,596
CBOB	75,240	0	9,220	16,375	22,520	402,808	27,339	0	18,596
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	2,535	740	-	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Biodiesel	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel	-	-	-	-	-	-	-	-	-
Other Biofuels ¹	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	1,160	0	9,786	239	1,561	17,999	10,189	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	1,160	0	9,786	239	1,561	17,999	10,189	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	1,160	0	9,786	239	1,561	17,999	10,189	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	3,268	0	1,012	349	7,454	97,099	14,611	0	2,925
Kerosene	19	0	0	0	-	1,416	0	-	-
Distillate Fuel Oil	32,691	0	10,002	10,201	10,324	244,076	37,995	0	12,244
15 ppm sulfur and under	32,691	0	10,002	10,201	10,324	235,269	36,918	0	12,244
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	0	9	1,077	0	0
Greater than 500 ppm sulfur	-	0	0	0	-	8,798	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	197,762	360	101,160	991,245	233,101	874,192	427,037	0	56,108

See footnotes at end of table.

Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 2021
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	299,014	3,107	-	0	0
Petroleum Products	0	237,481	45,400	18,446	0	0
Natural Gas Liquids	0	226,340	45,400	-	0	0
Ethane	0	64,385	18,001	-	0	0
Propane	0	84,037	12,665	-	0	0
Normal Butane	0	33,492	4,510	-	0	0
Isobutane	0	14,618	3,781	-	0	0
Natural Gasoline	0	29,808	6,443	-	0	0
Motor Gasoline Blending Components	0	2,104	0	12,345	0	0
Reformulated - RBOB	0	0	0	0	0	-
Conventional	0	2,104	0	12,345	0	0
CBOB	0	2,104	0	12,345	0	0
GTAB	-	-	-	-	-	-
Other	0	0	0	-	0	-
Biofuels (including Fuel Ethanol)	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-
Biodiesel	--	--	--	--	--	--
Renewable Diesel Fuel	--	--	--	--	--	--
Other Biofuels ¹	--	--	--	--	--	--
Finished Motor Gasoline	0	4,515	0	1,642	0	0
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	4,515	0	1,642	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	4,515	0	1,642	0	0
Finished Aviation Gasoline	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	240	0	248	0	0
Kerosene	0	0	0	-	0	-
Distillate Fuel Oil	0	4,282	0	4,211	0	0
15 ppm sulfur and under	0	4,282	0	4,207	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	4	0	0
Greater than 500 ppm sulfur	0	-	0	-	0	-
Residual Fuel Oil	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-
Total	0	536,495	48,507	18,446	0	0

-- = Not Applicable.

- = No Data Reported.

¹ 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, 2021
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	1,589	236	0	3,460	14,810	0
Petroleum Products	1,777	60	0	12,600	32,587	0
Natural Gas Liquids	—	0	—	0	0	—
Ethane	—	—	—	—	—	—
Propane	—	0	—	0	0	—
Normal Butane	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—
Unfinished Oils	851	0	—	0	10,303	—
Motor Gasoline Blending Components	152	0	0	5,589	2,885	0
Reformulated - RBOB	—	0	0	—	0	0
Conventional	152	0	0	5,589	2,885	0
CBOB	152	0	—	5,589	840	—
GTAB	—	—	—	—	—	—
Other	0	0	0	0	2,045	0
Biofuels (including Fuel Ethanol)	0	0	0	2,869	7,283	0
Fuel Ethanol	0	0	—	2,869	6,828	—
Biodiesel	0	0	—	—	455	—
Renewable Diesel Fuel	—	0	0	—	0	0
Other Biofuels ¹	—	—	—	—	—	—
Finished Motor Gasoline	0	0	—	400	2,606	—
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	0	—	400	2,606	—
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	0	—	400	2,606	—
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	45	0	—	108	24	—
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	729	0	—	2,899	398	—
15 ppm sulfur and under	729	0	—	2,899	398	—
Greater than 15 ppm to 500 ppm sulfur	0	0	—	—	0	—
Greater than 500 ppm sulfur	—	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	7,073	—
Less than 0.31 percent sulfur	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	0	0	—	0	3,375	—
Greater than 1.00 percent sulfur	0	0	—	0	3,698	—
Petrochemical Feedstocks	0	0	—	0	1,097	—
Naphtha for Petrochemical Feedstock Use	0	0	—	0	981	—
Other Oils for Petrochemical Feedstock Use	0	0	—	—	116	—
Special Naphthas	0	0	—	—	0	—
Lubricants	0	60	0	59	9	0
Waxes	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	676	909	—
Miscellaneous Products	0	0	—	—	0	—
Total	3,366	296	0	16,060	47,397	0

See footnotes at end of table.

Table 38. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, 2021
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	13,110	—	13,028	82	0	219	0	0	0
Petroleum Products	270,597	30	5,789	264,778	16,769	2,006	0	0	576
Natural Gas Liquids	503	—	—	503	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	503	—	—	503	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	116	—	116	—	4,207	—	0	0	0
Motor Gasoline Blending Components	165,805	—	600	165,205	1,828	291	0	0	0
Reformulated - RBOB	—	—	—	—	—	97	—	—	0
Conventional	165,805	—	600	165,205	1,828	194	0	0	0
CBOB	165,205	—	—	165,205	153	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	600	—	600	—	1,675	194	0	0	0
Biofuels (including Fuel Ethanol)	3,295	—	—	3,295	0	1,715	0	0	0
Fuel Ethanol	3,295	—	—	3,295	0	—	0	0	0
Biodiesel	—	—	—	—	0	—	—	0	0
Renewable Diesel Fuel	—	—	—	—	—	1,715	—	—	0
Other Biofuels ¹	—	—	—	—	—	—	—	—	0
Finished Motor Gasoline	13,713	—	—	13,713	1,506	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	13,713	—	—	13,713	1,506	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	13,713	—	—	13,713	1,506	—	0	0	0
Finished Aviation Gasoline	986	30	169	787	273	—	0	0	0
Kerosene-Type Jet Fuel	29,550	—	—	29,550	1,746	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	47,058	—	776	46,282	2,970	—	0	0	0
15 ppm sulfur and under	46,876	—	776	46,100	2,910	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	60	—	—	0	0
Greater than 500 ppm sulfur	182	—	—	182	—	—	0	—	0
Residual Fuel Oil	436	—	—	436	0	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	87	—	—	87	0	—	0	0	0
Greater than 1.00 percent sulfur	349	—	—	349	0	—	0	0	0
Petrochemical Feedstocks	111	—	—	111	46	—	0	0	0
Naphtha for Petrochemical Feedstock Use	111	—	—	111	46	—	0	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	0	—	—	—	0
Special Naphthas	—	—	—	—	278	—	—	0	0
Lubricants	6,031	—	4,128	1,903	2,538	0	0	0	576
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	2,993	—	—	2,993	1,298	—	0	0	0
Miscellaneous Products	—	—	—	—	79	—	—	0	0
Total	283,707	30	18,817	264,860	16,769	2,225	0	0	576

— = No Data Reported.

¹ 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, 2021
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	13,558	77	407	42,206
Propane	552	112	0	0	14,228	4,972	0	2,942
Propylene	0	0	-	-	4,305	7,853	-	-
Normal Butane	1,444	348	0	0	4,202	1,255	0	4,434
Isobutane	1,004	523	0	0	1,668	1,165	0	948
Fuel Ethanol	0	0	0	0	100,165	61,110	5,627	48,784
Biodiesel	268	9	0	64	2,299	3,456	291	3,922
Marketable Petroleum Coke	0	177	0	0	3,956	7,169	151	856
Asphalt and Road Oil	227	0	0	5	8,847	3,341	131	2,674

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	469	0	0	4,428	269
Propane	1,246	445	0	0	0	0	0	846
Propylene	0	0	-	-	0	0	0	-
Normal Butane	251	1,194	0	259	0	0	0	1,249
Isobutane	21	1,358	0	316	0	0	0	281
Fuel Ethanol	0	0	0	2,475	0	0	0	402
Biodiesel	26	0	0	924	0	0	0	0
Marketable Petroleum Coke	325	192	3	0	0	1,645	802	1,528
Asphalt and Road Oil	1,330	994	17	1,257	0	1,828	1,420	2,742

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	12
Marketable Petroleum Coke	38	410	545	73
Asphalt and Road Oil	0	0	0	184

- = No Data Reported.

Table 40. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, 2021
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	1,630	1,589	0	3,219
3	360	236	0	596
4	0	-	0	0
5	-	0	0	0
From 2 to				
1	2,143	3,460	13,558	19,161
3	580,807	14,810	77	595,694
4	87,101	-	407	87,508
5	-	0	42,206	42,206
From 3 to				
1	1,481	13,110	0	14,591
2	214,759	0	0	214,759
4	0	-	0	0
5	-	219	469	688
From 4 to				
1	0	0	0	0
2	299,014	0	0	299,014
3	3,107	0	4,428	7,535
5	-	0	269	269
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	-	0	0

- = No Data Reported.

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

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, 2021
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	33,752	3,815	29,937	516,992	744,568	-227,576	603,825	230,038	373,787
Petroleum Products	1,397,833	202,701	1,195,132	675,996	1,001,393	-325,397	583,317	1,443,102	-859,786
Natural Gas Liquids	108,187	87,697	20,490	414,278	590,123	-175,845	434,946	120,891	314,055
Ethane	0	60,093	-60,093	136,422	199,325	-62,903	191,376	11,944	179,432
Propane	84,297	14,337	69,960	112,826	232,648	-119,822	136,050	33,384	102,666
Normal Butane	22,201	3,580	18,621	41,845	85,749	-43,904	47,226	5,631	41,595
Isobutane	1,689	5,795	-4,106	28,985	24,898	4,087	20,508	9,432	11,076
Natural Gasoline	0	3,892	-3,892	94,200	47,503	46,697	39,786	60,500	-20,714
Refinery Olefins	4,305	0	4,305	0	12,158	-12,158	7,853	0	7,853
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	4,305	0	4,305	0	12,158	-12,158	7,853	0	7,853
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	116	851	-735	5,058	10,303	-5,245	10,303	4,323	5,980
Motor Gasoline Blending Components	675,664	75,432	600,232	130,620	58,692	71,928	21,363	755,169	-733,806
Reformulated - RBOB	89,707	40	89,667	23,217	2,103	21,114	2,103	135,324	-133,221
Conventional	585,957	75,392	510,565	107,403	56,589	50,814	19,260	619,845	-600,585
CBOB	582,822	75,392	507,430	104,988	54,544	50,444	17,215	614,101	-596,886
GTAB	0	0	-	0	0	-	0	0	-
Other	3,135	0	3,135	2,415	2,045	370	2,045	5,744	-3,699
Biofuels (including Fuel Ethanol)	108,654	341	108,313	268	235,805	-235,538	71,858	8,435	63,423
Fuel Ethanol	106,329	0	106,329	0	225,383	-225,383	67,938	5,770	62,168
Biodiesel	2,325	341	1,984	268	10,422	-10,155	3,920	950	2,970
Renewable Diesel Fuel	0	0	-	0	0	-	0	1,715	-1,715
Other Biofuels ²	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	41,898	1,160	40,738	17,370	14,592	2,778	2,845	43,407	-40,562
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	41,898	1,160	40,738	17,370	14,592	2,778	2,845	43,407	-40,562
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	41,898	1,160	40,738	17,370	14,592	2,778	2,845	43,407	-40,562
Finished Aviation Gasoline	986	0	986	273	0	273	0	1,259	-1,259
Kerosene-Type Jet Fuel	127,769	3,313	124,456	19,910	8,947	10,963	373	145,931	-145,558
Kerosene	1,416	19	1,397	19	0	19	0	1,416	-1,416
Distillate Fuel Oil	304,035	33,420	270,615	78,667	33,824	44,843	10,599	344,343	-333,744
15 ppm sulfur and under	295,046	33,420	261,626	77,530	33,824	43,706	10,599	334,217	-323,618
Greater than 15 ppm to 500 ppm sulfur	9	0	9	1,137	0	1,137	0	1,146	-1,146
Greater than 500 ppm sulfur	8,980	0	8,980	0	0	-	0	8,980	-8,980
Residual Fuel Oil	436	0	436	0	7,073	-7,073	7,073	436	6,637
Petrochemical Feedstocks	111	0	111	46	1,097	-1,051	1,097	157	940
Naphtha for Petrochemical Feedstock Use	111	0	111	46	981	-935	981	157	824
Other Oils for Petrochemical Feedstock Use	0	0	-	0	116	-116	116	0	116
Special Naphthas	0	0	-	278	0	278	0	278	-278
Lubricants	6,090	60	6,030	2,538	68	2,470	645	8,569	-7,924
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	4,319	177	4,143	2,246	12,132	-9,886	8,692	520	8,171
Asphalt and Road Oil	13,846	232	13,614	4,346	16,579	-12,233	5,670	7,889	-2,219
Miscellaneous Products	0	0	-	79	0	79	0	79	-79
Total	1,431,584	206,516	1,225,068	1,192,988	1,745,961	-552,973	1,187,141	1,673,140	-485,999

See footnotes at end of table.

Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, 2021
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	87,508	306,818	-219,310	43,163	0	43,163
Petroleum Products	152,490	314,070	-161,580	153,469	1,837	151,631
Natural Gas Liquids	104,141	274,116	-169,975	11,275	0	11,275
Ethane	25,950	82,386	-56,436	0	0	-
Propane	40,956	97,548	-56,592	3,788	0	3,788
Normal Butane	16,997	39,251	-22,254	5,942	0	5,942
Isobutane	6,078	18,680	-12,602	1,545	0	1,545
Natural Gasoline	14,160	36,251	-22,091	0	0	-
Refinery Olefins	0	0	-	0	0	-
Ethylene	-	-	-	-	-	-
Propylene	0	0	-	0	0	-
Normal Butylene	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-
Unfinished Oils	0	0	-	0	0	-
Motor Gasoline Blending Components	22,520	14,449	8,071	53,575	0	53,575
Reformulated - RBOB	-	-	-	22,440	0	22,440
Conventional	22,520	14,449	8,071	31,135	0	31,135
CBOB	22,520	14,449	8,071	30,941	0	30,941
GTAB	-	-	-	0	0	-
Other	0	0	-	194	0	194
Biofuels (including Fuel Ethanol)	5,930	402	5,528	58,286	12	58,273
Fuel Ethanol	5,627	402	5,224	51,661	0	51,661
Biodiesel	303	0	303	4,910	12	4,898
Renewable Diesel Fuel	0	0	-	1,715	0	1,715
Other Biofuels ²	0	0	-	0	0	-
Finished Motor Gasoline	1,561	6,157	-4,596	1,642	0	1,642
Reformulated	-	-	-	0	0	-
Reformulated Blended with Fuel Ethanol	-	-	-	0	0	-
Reformulated Other	-	-	-	-	-	-
Conventional	1,561	6,157	-4,596	1,642	0	1,642
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	1,561	6,157	-4,596	1,642	0	1,642
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	7,454	488	6,966	3,173	0	3,173
Kerosene	0	0	-	0	0	-
Distillate Fuel Oil	10,324	8,493	1,831	16,455	0	16,455
15 ppm sulfur and under	10,324	8,489	1,835	16,451	0	16,451
Greater than 15 ppm to 500 ppm sulfur	0	4	-4	4	0	4
Greater than 500 ppm sulfur	0	0	-	0	0	-
Residual Fuel Oil	0	0	-	0	0	-
Petrochemical Feedstocks	-	-	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	-	-	-	0	0	-
Lubricants	0	0	-	0	576	-576
Waxes	0	0	-	0	0	-
Marketable Petroleum Coke	228	3,975	-3,747	2,384	1,066	1,318
Asphalt and Road Oil	332	5,990	-5,658	6,679	184	6,495
Miscellaneous Products	0	0	-	0	0	-
Total	239,998	620,888	-380,890	196,631	1,837	194,794

- = No Data Reported.

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

² 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.