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Preface

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

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

Scope of data

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

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
- Net imports
- Stocks
- Movements of crude oil, petroleum products, and biofuels

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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjust-ments[1]	Stock Change[2]	Refinery and Blender Net Inputs	Exports	Products Supplied[3]	
Crude Oil[4]	**402,727**	**19,118**	**– –**	**– –**	**194,899**	**2,019**	**-14,652**	**514,541**	**118,874**	**0**	**787,240**
Hydrocarbon Gas Liquids	**199,807**	**-13,461**	**-741**	**25,098**	**4,093**	**– –**	**17,625**	**14,526**	**77,535**	**105,109**	**242,980**
Natural Gas Liquids	199,807	-13,461	-741	17,596	3,554	– –	17,607	14,526	77,535	97,086	241,151
Ethane	79,676	– –	– –	226	–	– –	-3,187	– –	14,786	68,303	48,347
Propane	62,583	-22	– –	8,977	2,164	– –	8,156	– –	47,904	17,642	87,301
Normal Butane	19,305	-361	–	9,064	1,113	– –	10,294	2,068	12,567	4,192	66,089
Isobutane	13,888	-142	–	-671	277	– –	-902	7,123	182	6,949	12,771
Natural Gasoline	24,355	-12,936	-741	– –	–	– –	3,246	5,335	2,096	0	26,643
Refinery Olefins	– –	– –	– –	7,502	539	– –	18	– –	– –	8,023	1,829
Ethylene	– –	– –	– –	12	–	– –	0	– –	– –	12	0
Propylene	– –	– –	– –	7,900	450	– –	95	– –	– –	8,255	1,233
Normal Butylene	– –	– –	– –	-411	89	– –	-81	– –	– –	-241	592
Isobutylene	– –	– –	– –	1	–	– –	4	– –	– –	-3	4
Other Liquids	**– –**	**-5,657**	**41,200**	**– –**	**39,295**	**11,959**	**2,225**	**60,962**	**15,672**	**7,938**	**324,952**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	41,200	– –	1,560	6,768	1,075	37,140	3,355	7,957	31,154
Hydrogen	– –	– –	– –	– –	–	7,087	– –	7,087	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	41,200	– –	1,560	-332	1,076	30,039	3,355	7,957	31,143
Fuel Ethanol[5]	– –	– –	32,024	– –	–	-332	802	28,226	2,664	0	23,101
Biofuels (excluding Fuel Ethanol)	– –	– –	9,176	– –	1,560	– –	274	1,813	691	7,957	8,042
Biodiesel	– –	– –	3,612	– –	725	– –	-259	1,415	691	2,490	3,719
Renewable Diesel Fuel	– –	– –	5,086	– –	783	– –	618	235	NA	5,016	4,038
Other Biofuels[6]	– –	– –	478	– –	52	– –	-85	163	NA	452	285
Other Hydrocarbons	– –	– –	– –	– –	–	13	-1	14	–	0	11
Unfinished Oils	– –	-5,657	– –	– –	17,522	– –	-132	3,093	8,904	0	86,903
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	0	– –	20,213	5,191	1,288	20,704	3,412	0	206,876
Reformulated	– –	– –	0	– –	4,468	1,607	768	5,299	8	0	50,857
Conventional	– –	– –	0	– –	15,745	3,585	520	15,405	3,405	0	156,019
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	– –	-6	25	–	-19	19
Finished Petroleum Products	**– –**	**– –**	**233**	**598,273**	**18,097**	**-4,859**	**2,127**	**– –**	**98,809**	**510,808**	**263,714**
Finished Motor Gasoline	– –	– –	214	304,620	3,003	-4,859	-2,400	– –	25,962	279,416	15,174
Reformulated	– –	– –	–	92,352	–	-1,499	-5	– –	–	90,858	19
Conventional	– –	– –	214	212,268	3,003	-3,360	-2,395	– –	25,962	188,558	15,155
Finished Aviation Gasoline	– –	– –	– –	411	47	– –	7	– –	–	451	968
Kerosene-Type Jet Fuel	– –	– –	19	55,173	3,961	– –	-59	– –	4,346	54,866	42,686
Kerosene	– –	– –	–	552	–	– –	135	– –	23	394	1,439
Distillate Fuel Oil[5]	– –	– –	0	154,803	3,705	– –	7,610	– –	37,823	113,075	120,208
15 ppm sulfur and under	– –	– –	0	150,287	3,698	– –	7,880	– –	33,155	112,950	110,792
Greater than 15 to 500 ppm sulfur	– –	– –	0	2,771	5	– –	-398	– –	3,083	91	2,089
Greater than 500 ppm sulfur	– –	– –	–	1,745	2	– –	128	– –	1,585	34	7,327
Residual Fuel Oil	– –	– –	– –	8,199	2,380	– –	-1,909	– –	4,396	8,092	28,509
Less than 0.31 percent sulfur	– –	– –	– –	569	–	– –	-400	– –	NA	NA	2,775
0.31 to 1.00 percent sulfur	– –	– –	– –	2,626	102	– –	-949	– –	NA	NA	6,634
Greater than 1.00 percent sulfur	– –	– –	– –	5,004	2,278	– –	-560	– –	NA	NA	19,100
Petrochemical Feedstocks	– –	– –	– –	6,732	506	– –	-113	– –	906	6,445	2,589
Naphtha for Petro. Feed. Use	– –	– –	– –	3,811	375	– –	-37	– –	–	4,223	1,879
Other Oils for Petro. Feed. Use	– –	– –	– –	2,921	131	– –	-76	– –	906	2,222	710
Special Naphthas	– –	– –	– –	955	842	– –	105	– –	–	1,692	1,097
Lubricants	– –	– –	– –	4,770	1,360	– –	-402	– –	3,616	2,916	11,523
Waxes	– –	– –	– –	161	154	– –	-19	– –	116	218	686
Petroleum Coke	– –	– –	– –	26,230	9	– –	858	– –	21,089	4,292	7,346
Marketable	– –	– –	– –	20,027	9	– –	858	– –	21,089	-1,911	7,346
Catalyst	– –	– –	– –	6,203	– –	– –	– –	– –	– –	6,203	– –
Asphalt and Road Oil	– –	– –	– –	10,967	2,130	– –	-1,671	– –	474	14,294	30,439
Still Gas	– –	– –	– –	21,890	– –	– –	– –	– –	– –	21,890	– –
Miscellaneous Products	– –	– –	– –	2,810	–	– –	-15	– –	58	2,767	1,050
Total	**602,534**	**0**	**40,691**	**623,371**	**256,384**	**9,119**	**7,325**	**590,029**	**310,890**	**623,855**	**1,618,886**

– – = 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 transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, 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.
Data source: 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. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjust-ments[1]	Stock Change[2]	Refinery and Blender Net Inputs	Exports	Products Supplied[3]	Ending Stocks
Crude Oil[4]	**2,699,138**	**100,597**	**– –**	**– –**	**1,350,538**	**32,659**	**-14,351**	**3,356,160**	**841,123**	**0**	**787,240**
Hydrocarbon Gas Liquids	**1,325,280**	**-83,207**	**-4,959**	**142,744**	**35,893**	**– –**	**31,895**	**118,654**	**548,403**	**716,799**	**242,980**
Natural Gas Liquids	1,325,280	-83,207	-4,959	90,446	32,027	– –	31,939	118,654	548,403	660,591	241,151
Ethane	544,563	– –	– –	1,130	–	– –	-5,199	– –	104,079	446,813	48,347
Propane	414,324	-169	– –	59,399	22,954	– –	10,747	– –	323,933	161,828	87,301
Normal Butane	122,628	-3,137	–	32,730	7,326	– –	24,339	31,035	95,925	8,248	66,089
Isobutane	95,403	-1,233	–	-2,813	1,723	– –	563	47,912	904	43,701	12,771
Natural Gasoline	148,362	-78,668	-4,959	– –	24	– –	1,489	39,707	23,563	0	26,643
Refinery Olefins	– –	– –	– –	52,298	3,866	– –	-44	– –	– –	56,208	1,829
Ethylene	– –	– –	– –	52	–	– –	0	– –	– –	52	0
Propylene	– –	– –	– –	52,454	3,142	– –	-105	– –	– –	55,701	1,233
Normal Butylene	– –	– –	– –	-233	724	– –	73	– –	– –	418	592
Isobutylene	– –	– –	– –	25	–	– –	-12	– –	– –	37	4
Other Liquids	**– –**	**-17,390**	**273,948**	**– –**	**264,751**	**49,717**	**154**	**416,792**	**100,830**	**53,251**	**324,952**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	273,953	– –	11,441	39,058	-569	248,383	23,311	53,328	31,154
Hydrogen	– –	– –	– –	– –	–	44,966	– –	44,966	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	273,953	– –	11,426	-5,983	-570	203,328	23,311	53,328	31,143
Fuel Ethanol[5]	– –	– –	213,455	– –	–	-5,983	-1,325	189,302	19,495	0	23,101
Biofuels (excluding Fuel Ethanol)	– –	– –	60,498	– –	11,426	– –	755	14,026	3,815	53,328	8,042
Biodiesel	– –	– –	23,541	– –	6,371	– –	119	9,916	3,815	16,061	3,719
Renewable Diesel Fuel	– –	– –	33,219	– –	4,998	– –	633	2,771	NA	34,813	4,038
Other Biofuels[6]	– –	– –	3,739	– –	57	– –	3	1,339	NA	2,454	285
Other Hydrocarbons	– –	– –	– –	– –	15	75	1	89	–	0	11
Unfinished Oils	– –	-17,390	– –	– –	120,054	– –	758	39,464	62,442	0	86,903
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	-5	– –	133,256	10,659	-21	128,854	15,078	0	206,876
Reformulated	– –	– –	-1	– –	31,241	55,082	5,346	80,722	255	0	50,857
Conventional	– –	– –	-4	– –	102,015	-44,423	-5,367	48,132	14,823	0	156,019
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	– –	-14	91	–	-77	19
Finished Petroleum Products	**– –**	**– –**	**1,406**	**3,960,989**	**154,277**	**-4,676**	**7,524**	**– –**	**626,388**	**3,478,084**	**263,714**
Finished Motor Gasoline	– –	– –	1,370	2,034,435	26,310	-4,676	-2,238	– –	169,782	1,889,895	15,174
Reformulated	– –	– –	–	628,936	–	-44,980	-1	– –	–	583,957	19
Conventional	– –	– –	1,370	1,405,499	26,310	40,303	-2,237	– –	169,782	1,305,937	15,155
Finished Aviation Gasoline	– –	– –	– –	2,005	102	– –	-338	– –	–	2,445	968
Kerosene-Type Jet Fuel	– –	– –	55	358,228	30,493	– –	7,647	– –	34,741	346,387	42,686
Kerosene	– –	– –	0	2,574	524	– –	-689	– –	683	3,104	1,439
Distillate Fuel Oil[5]	– –	– –	-19	1,023,884	39,436	– –	1,399	– –	230,590	831,311	120,208
15 ppm sulfur and under	– –	– –	-19	981,887	39,204	– –	2,139	– –	197,605	821,328	110,792
Greater than 15 to 500 ppm sulfur	– –	– –	0	23,154	44	– –	-410	– –	20,384	3,224	2,089
Greater than 500 ppm sulfur	– –	– –	0	18,843	188	– –	-330	– –	12,602	6,759	7,327
Residual Fuel Oil	– –	– –	– –	56,719	25,101	– –	-2,230	– –	29,417	54,633	28,509
Less than 0.31 percent sulfur	– –	– –	– –	7,740	1,932	– –	-5	– –	NA	NA	2,775
0.31 to 1.00 percent sulfur	– –	– –	– –	18,341	5,702	– –	463	– –	NA	NA	6,634
Greater than 1.00 percent sulfur	– –	– –	– –	30,638	17,467	– –	-2,688	– –	NA	NA	19,100
Petrochemical Feedstocks	– –	– –	– –	47,441	4,164	– –	201	– –	6,993	44,411	2,589
Naphtha for Petro. Feed. Use	– –	– –	– –	26,739	2,882	– –	96	– –	–	29,525	1,879
Other Oils for Petro. Feed. Use	– –	– –	– –	20,702	1,282	– –	105	– –	6,993	14,886	710
Special Naphthas	– –	– –	– –	5,899	3,888	– –	120	– –	–	9,667	1,097
Lubricants	– –	– –	– –	31,482	9,830	– –	-1,824	– –	23,285	19,851	11,523
Waxes	– –	– –	– –	1,053	851	– –	85	– –	875	944	686
Petroleum Coke	– –	– –	– –	169,832	1,844	– –	472	– –	125,670	45,534	7,346
Marketable	– –	– –	– –	130,001	1,844	– –	472	– –	125,670	5,703	7,346
Catalyst	– –	– –	– –	39,831	– –	– –	– –	– –	– –	39,831	– –
Asphalt and Road Oil	– –	– –	– –	69,560	11,734	– –	4,763	– –	3,795	72,736	30,439
Still Gas	– –	– –	– –	139,396	– –	– –	– –	– –	– –	139,396	– –
Miscellaneous Products	– –	– –	– –	18,481	–	– –	155	– –	557	17,769	1,050
Total	**4,024,418**	**0**	**270,395**	**4,103,733**	**1,805,459**	**77,700**	**25,221**	**3,891,606**	**2,116,744**	**4,248,134**	**1,618,886**

– – = 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 transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, 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.
Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjust-ments[1]	Stock Change[2]	Refinery and Blender Net Inputs	Exports	Products Supplied[3]
Crude Oil[4]	**12,991**	**617**	**– –**	**– –**	**6,287**	**65**	**-473**	**16,598**	**3,835**	**0**
Hydrocarbon Gas Liquids	**6,445**	**-434**	**-24**	**810**	**132**	**– –**	**569**	**469**	**2,501**	**3,391**
Natural Gas Liquids	6,445	-434	-24	568	115	– –	568	469	2,501	3,132
Ethane	2,570	– –	– –	7	–	– –	-103	– –	477	2,203
Propane	2,019	-1	– –	290	70	– –	263	– –	1,545	569
Normal Butane	623	-12	–	292	36	– –	332	67	405	135
Isobutane	448	-5	–	-22	9	– –	-29	230	6	224
Natural Gasoline	786	-417	-24	– –	–	– –	105	172	68	0
Refinery Olefins	– –	– –	– –	242	17	– –	1	– –	– –	259
Ethylene	– –	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	– –	255	15	– –	3	– –	– –	266
Normal Butylene	– –	– –	– –	-13	3	– –	-3	– –	– –	-8
Isobutylene	– –	– –	– –	0	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-182**	**1,329**	**– –**	**1,268**	**386**	**72**	**1,967**	**506**	**256**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,329	– –	50	218	35	1,198	108	257
Hydrogen	– –	– –	– –	– –	–	229	– –	229	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,329	– –	50	-11	35	969	108	257
Fuel Ethanol[5]	– –	– –	1,033	– –	–	-11	26	911	86	0
Biofuels (excluding Fuel Ethanol)	– –	– –	296	– –	50	– –	9	58	22	257
Biodiesel	– –	– –	117	– –	23	– –	-8	46	22	80
Renewable Diesel Fuel	– –	– –	164	– –	25	– –	20	8	NA	162
Other Biofuels[6]	– –	– –	15	– –	2	– –	-3	5	NA	15
Other Hydrocarbons	– –	– –	– –	– –	–	0	0	0	–	0
Unfinished Oils	– –	-182	– –	– –	565	– –	-4	100	287	0
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	0	– –	652	167	42	668	110	0
Reformulated	– –	– –	0	– –	144	52	25	171	0	0
Conventional	– –	– –	0	– –	508	116	17	497	110	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	– –	0	1	–	-1
Finished Petroleum Products	**– –**	**– –**	**8**	**19,299**	**584**	**-157**	**69**	**– –**	**3,187**	**16,478**
Finished Motor Gasoline	– –	– –	7	9,826	97	-157	-77	– –	837	9,013
Reformulated	– –	– –	–	2,979	–	-48	0	– –	–	2,931
Conventional	– –	– –	7	6,847	97	-108	-77	– –	837	6,083
Finished Aviation Gasoline	– –	– –	– –	13	2	– –	0	– –	–	15
Kerosene-Type Jet Fuel	– –	– –	1	1,780	128	– –	-2	– –	140	1,770
Kerosene	– –	– –	–	18	–	– –	4	– –	1	13
Distillate Fuel Oil[5]	– –	– –	0	4,994	120	– –	245	– –	1,220	3,648
15 ppm sulfur and under	– –	– –	0	4,848	119	– –	254	– –	1,070	3,644
Greater than 15 to 500 ppm sulfur	– –	– –	0	89	0	– –	-13	– –	99	3
Greater than 500 ppm sulfur	– –	– –	–	56	0	– –	4	– –	51	1
Residual Fuel Oil	– –	– –	– –	264	77	– –	-62	– –	142	261
Less than 0.31 percent sulfur	– –	– –	– –	18	–	– –	-13	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	85	3	– –	-31	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	161	73	– –	-18	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	217	16	– –	-4	– –	29	208
Naphtha for Petro. Feed. Use	– –	– –	– –	123	12	– –	-1	– –	–	136
Other Oils for Petro. Feed. Use	– –	– –	– –	94	4	– –	-2	– –	29	72
Special Naphthas	– –	– –	– –	31	27	– –	3	– –	–	55
Lubricants	– –	– –	– –	154	44	– –	-13	– –	117	94
Waxes	– –	– –	– –	5	5	– –	-1	– –	4	7
Petroleum Coke	– –	– –	– –	846	0	– –	28	– –	680	138
Marketable	– –	– –	– –	646	0	– –	28	– –	680	-62
Catalyst	– –	– –	– –	200	– –	– –	– –	– –	– –	200
Asphalt and Road Oil	– –	– –	– –	354	69	– –	-54	– –	15	461
Still Gas	– –	– –	– –	706	– –	– –	– –	– –	– –	706
Miscellaneous Products	– –	– –	– –	91	–	– –	0	– –	2	89
Total	**19,437**	**0**	**1,313**	**20,109**	**8,270**	**294**	**236**	**19,033**	**10,029**	**20,124**

– – = 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 transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, 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.
Data source: 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 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjust-ments[1]	Stock Change[2]	Refinery and Blender Net Inputs	Exports	Products Supplied[3]
Crude Oil[4]	**12,732**	**475**	**– –**	**– –**	**6,370**	**154**	**-68**	**15,831**	**3,968**	**0**
Hydrocarbon Gas Liquids	**6,251**	**-392**	**-23**	**673**	**169**	**– –**	**150**	**560**	**2,587**	**3,381**
Natural Gas Liquids	6,251	-392	-23	427	151	– –	151	560	2,587	3,116
Ethane	2,569	– –	– –	5	–	– –	-25	– –	491	2,108
Propane	1,954	-1	– –	280	108	– –	51	– –	1,528	763
Normal Butane	578	-15	–	154	35	– –	115	146	452	39
Isobutane	450	-6	–	-13	8	– –	3	226	4	206
Natural Gasoline	700	-371	-23	– –	0	– –	7	187	111	0
Refinery Olefins	– –	– –	– –	247	18	– –	0	– –	– –	265
Ethylene	– –	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	– –	247	15	– –	0	– –	– –	263
Normal Butylene	– –	– –	– –	-1	3	– –	0	– –	– –	2
Isobutylene	– –	– –	– –	0	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-82**	**1,292**	**– –**	**1,249**	**235**	**1**	**1,966**	**476**	**251**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,292	– –	54	184	-3	1,172	110	252
Hydrogen	– –	– –	– –	– –	–	212	– –	212	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,292	– –	54	-28	-3	959	110	252
Fuel Ethanol[5]	– –	– –	1,007	– –	–	-28	-6	893	92	0
Biofuels (excluding Fuel Ethanol)	– –	– –	285	– –	54	– –	4	66	18	252
Biodiesel	– –	– –	111	– –	30	– –	1	47	18	76
Renewable Diesel Fuel	– –	– –	157	– –	24	– –	3	13	NA	164
Other Biofuels[6]	– –	– –	18	– –	0	– –	0	6	NA	12
Other Hydrocarbons	– –	– –	– –	– –	0	0	0	0	–	0
Unfinished Oils	– –	-82	– –	– –	566	– –	4	186	295	0
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	0	– –	629	50	0	608	71	0
Reformulated	– –	– –	0	– –	147	260	25	381	1	0
Conventional	– –	– –	0	– –	481	-210	-25	227	70	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	– –	0	0	–	0
Finished Petroleum Products	**– –**	**– –**	**7**	**18,684**	**728**	**-22**	**35**	**– –**	**2,955**	**16,406**
Finished Motor Gasoline	– –	– –	6	9,596	124	-22	-11	– –	801	8,915
Reformulated	– –	– –	–	2,967	–	-212	0	– –	–	2,755
Conventional	– –	– –	6	6,630	124	190	-11	– –	801	6,160
Finished Aviation Gasoline	– –	– –	– –	9	0	– –	-2	– –	–	12
Kerosene-Type Jet Fuel	– –	– –	0	1,690	144	– –	36	– –	164	1,634
Kerosene	– –	– –	0	12	2	– –	-3	– –	3	15
Distillate Fuel Oil[5]	– –	– –	0	4,830	186	– –	7	– –	1,088	3,921
15 ppm sulfur and under	– –	– –	0	4,632	185	– –	10	– –	932	3,874
Greater than 15 to 500 ppm sulfur	– –	– –	0	109	0	– –	-2	– –	96	15
Greater than 500 ppm sulfur	– –	– –	0	89	1	– –	-2	– –	59	32
Residual Fuel Oil	– –	– –	– –	268	118	– –	-11	– –	139	258
Less than 0.31 percent sulfur	– –	– –	– –	37	9	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	87	27	– –	2	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	145	82	– –	-13	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	224	20	– –	1	– –	33	209
Naphtha for Petro. Feed. Use	– –	– –	– –	126	14	– –	0	– –	–	139
Other Oils for Petro. Feed. Use	– –	– –	– –	98	6	– –	0	– –	33	70
Special Naphthas	– –	– –	– –	28	18	– –	1	– –	–	46
Lubricants	– –	– –	– –	149	46	– –	-9	– –	110	94
Waxes	– –	– –	– –	5	4	– –	0	– –	4	4
Petroleum Coke	– –	– –	– –	801	9	– –	2	– –	593	215
Marketable	– –	– –	– –	613	9	– –	2	– –	593	27
Catalyst	– –	– –	– –	188	– –	– –	– –	– –	– –	188
Asphalt and Road Oil	– –	– –	– –	328	55	– –	22	– –	18	343
Still Gas	– –	– –	– –	658	– –	– –	– –	– –	– –	658
Miscellaneous Products	– –	– –	– –	87	–	– –	1	– –	3	84
Total	**18,983**	**0**	**1,275**	**19,357**	**8,516**	**367**	**119**	**18,357**	**9,985**	**20,038**

– – = 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 transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, 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.
Data source: 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 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjustments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**2,065**	**3,552**	**– –**	**– –**	**17,262**	**1,556**	**-3,587**	**303**	**20,546**	**0**	**0**	**7,796**
Hydrocarbon Gas Liquids	**22,111**	**-2,212**	**-9**	**752**	**618**	**798**	**– –**	**2,874**	**201**	**9,013**	**9,970**	**11,139**
Natural Gas Liquids	22,111	-2,212	-9	664	341	476	– –	2,887	201	9,013	9,270	11,081
Ethane	9,457	– –	– –	–	–	-5,499	– –	-187	– –	2,424	1,721	1,032
Propane	7,218	– –	– –	350	268	5,266	– –	3,198	– –	4,697	5,207	7,759
Normal Butane	2,221	– –	–	357	69	976	– –	-68	36	1,854	1,801	1,905
Isobutane	957	– –	–	-43	4	-261	– –	-5	121	1	540	170
Natural Gasoline	2,258	-2,212	-9	– –	–	-6	– –	-51	44	38	0	215
Refinery Olefins	– –	– –	– –	88	277	322	– –	-13	– –	– –	700	58
Ethylene	– –	– –	– –	1	–	–	– –	–	– –	– –	1	–
Propylene	– –	– –	– –	88	277	322	– –	-17	– –	– –	704	53
Normal Butylene	– –	– –	– –	-2	–	–	– –	0	– –	– –	-2	1
Isobutylene	– –	– –	– –	1	–	–	– –	4	– –	– –	-3	4
Other Liquids	**– –**	**-1,340**	**557**	**– –**	**20,924**	**65,081**	**8,247**	**-671**	**93,237**	**577**	**326**	**66,495**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	557	– –	337	9,685	512	-77	10,693	150	326	8,515
Hydrogen	– –	– –	– –	– –	–	– –	98	– –	– –	–	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	557	– –	337	9,685	414	-77	10,595	150	326	8,515
Fuel Ethanol[6]	– –	– –	383	– –	–	9,618	414	21	10,248	147	0	7,100
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	174	– –	337	67	– –	-98	347	3	326	1,415
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-1,340	– –	– –	2,538	-19	– –	-569	1,731	17	0	3,651
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	18,049	55,415	7,735	-25	80,813	411	0	54,329
Reformulated	– –	– –	–	– –	4,468	11,533	619	1,000	15,619	1	0	20,065
Conventional	– –	– –	–	– –	13,581	43,882	7,115	-1,025	65,194	409	0	34,264
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**1**	**113,863**	**8,747**	**42,883**	**-8,149**	**1,454**	**– –**	**1,466**	**154,425**	**60,299**
Finished Motor Gasoline	– –	– –	–	100,941	2,319	1,818	-8,149	-243	– –	167	97,005	2,525
Reformulated	– –	– –	–	36,542	–	–	-1,432	-1	– –	–	35,111	3
Conventional	– –	– –	–	64,399	2,319	1,818	-6,717	-242	– –	167	61,894	2,522
Finished Aviation Gasoline	– –	– –	– –	–	44	38	– –	6	– –	–	76	142
Kerosene-Type Jet Fuel	– –	– –	–	2,644	1,242	16,235	– –	-316	– –	21	20,416	11,577
Kerosene	– –	– –	–	235	–	–	– –	99	– –	2	134	644
Distillate Fuel Oil[6]	– –	– –	1	6,025	2,715	23,060	– –	2,762	– –	648	28,391	29,947
15 ppm sulfur and under	– –	– –	1	6,092	2,714	22,829	– –	2,750	– –	635	28,251	28,524
Greater than 15 to 500 ppm sulfur	– –	– –	–	17	1	–	– –	22	– –	13	-17	534
Greater than 500 ppm sulfur	– –	– –	–	-84	–	231	– –	-10	– –	0	157	889
Residual Fuel Oil	– –	– –	– –	956	828	–	– –	-602	– –	6	2,380	6,091
Less than 0.31 percent sulfur	– –	– –	– –	6	–	–	– –	-87	– –	NA	NA	620
0.31 to 1.00 percent sulfur	– –	– –	– –	660	46	–	– –	-116	– –	NA	NA	1,493
Greater than 1.00 percent sulfur	– –	– –	– –	290	782	–	– –	-399	– –	NA	NA	3,978
Petrochemical Feedstocks	– –	– –	– –	12	2	–	– –	5	– –	–	9	5
Naphtha for Petro. Feed. Use	– –	– –	– –	–	2	–	– –	–	– –	–	2	–
Other Oils for Petro. Feed. Use	– –	– –	– –	12	–	–	– –	–	– –	–	7	5
Special Naphthas	– –	– –	– –	14	63	–	– –	0	– –	–	77	46
Lubricants	– –	– –	– –	315	128	425	– –	25	– –	149	694	1,366
Waxes	– –	– –	– –	14	103	–	– –	-14	– –	64	67	351
Petroleum Coke	– –	– –	– –	506	1	262	– –	–	– –	299	470	–
Marketable	– –	– –	– –	198	1	262	– –	–	– –	299	162	–
Catalyst	– –	– –	– –	308	– –	– –	– –	–	– –	– –	308	– –
Asphalt and Road Oil	– –	– –	– –	1,234	1,302	1,045	– –	-271	– –	98	3,754	7,548
Still Gas	– –	– –	– –	897	– –	– –	– –	–	– –	– –	897	– –
Miscellaneous Products	– –	– –	– –	70	–	–	– –	3	– –	12	55	57
Total	**24,176**	**0**	**548**	**114,615**	**47,551**	**110,319**	**-3,489**	**3,960**	**113,984**	**11,056**	**164,721**	**145,729**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjustments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**14,864**	**15,892**	**– –**	**– –**	**121,082**	**16,533**	**-18,235**	**184**	**148,511**	**1,440**	**0**	**7,796**
Hydrocarbon Gas Liquids	**146,252**	**-10,991**	**-64**	**4,549**	**7,835**	**11,743**	**– –**	**1,431**	**6,373**	**58,602**	**92,918**	**11,139**
Natural Gas Liquids	146,252	-10,991	-64	3,407	5,780	10,129	– –	1,526	6,373	58,602	88,013	11,081
Ethane	63,289	– –	– –	–	–	-37,265	– –	172	– –	15,399	10,453	1,032
Propane	48,219	– –	– –	2,742	5,400	39,433	– –	920	– –	30,682	64,193	7,759
Normal Butane	14,623	– –	–	891	361	10,758	– –	391	3,980	12,213	10,049	1,905
Isobutane	6,510	– –	–	-226	19	-2,079	– –	30	871	5	3,317	170
Natural Gasoline	13,611	-10,991	-64	– –	–	-718	– –	13	1,522	304	0	215
Refinery Olefins	– –	– –	– –	1,142	2,055	1,614	– –	-95	– –	– –	4,906	58
Ethylene	– –	– –	– –	30	–	–	– –	–	– –	– –	30	–
Propylene	– –	– –	– –	1,121	2,055	1,614	– –	-84	– –	– –	4,874	53
Normal Butylene	– –	– –	– –	-34	–	–	– –	1	– –	– –	-35	1
Isobutylene	– –	– –	– –	25	–	–	– –	-12	– –	– –	37	4
Other Liquids	**– –**	**-4,901**	**3,788**	**– –**	**128,926**	**440,192**	**47,986**	**1,403**	**610,840**	**1,805**	**1,943**	**66,495**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	3,788	– –	3,275	65,957	2,773	384	72,551	914	1,943	8,515
Hydrogen	– –	– –	– –	– –	–	– –	463	– –	463	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	3,788	– –	3,275	65,957	2,310	384	72,088	914	1,943	8,515
Fuel Ethanol[6]	– –	– –	2,466	– –	–	65,145	2,310	66	68,967	888	0	7,100
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	1,322	– –	3,275	812	– –	318	3,121	26	1,943	1,415
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-4,901	– –	– –	14,900	-27	– –	194	9,315	463	0	3,651
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	110,751	374,262	45,214	825	528,974	428	0	54,329
Reformulated	– –	– –	–	– –	30,172	58,343	25,644	3,229	110,927	3	0	20,065
Conventional	– –	– –	–	– –	80,579	315,919	19,570	-2,404	418,047	425	0	34,264
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**4**	**766,850**	**83,713**	**301,165**	**-47,523**	**-130**	**– –**	**13,214**	**1,091,125**	**60,299**
Finished Motor Gasoline	– –	– –	–	675,811	21,223	15,279	-47,523	-369	– –	804	664,355	2,525
Reformulated	– –	– –	–	246,611	–	–	-23,988	-2	– –	–	222,625	3
Conventional	– –	– –	–	429,200	21,223	15,279	-23,535	-367	– –	804	441,730	2,522
Finished Aviation Gasoline	– –	– –	– –	–	62	561	– –	-64	– –	–	687	142
Kerosene-Type Jet Fuel	– –	– –	–	18,949	10,759	105,459	– –	2,620	– –	1,276	131,271	11,577
Kerosene	– –	– –	0	733	504	596	– –	-972	– –	28	2,777	644
Distillate Fuel Oil[6]	– –	– –	4	45,724	32,653	165,448	– –	-4,455	– –	3,590	244,694	29,947
15 ppm sulfur and under	– –	– –	4	45,660	32,505	163,473	– –	-3,491	– –	2,815	242,318	28,524
Greater than 15 to 500 ppm sulfur	– –	– –	0	146	17	–	– –	-57	– –	619	-399	534
Greater than 500 ppm sulfur	– –	– –	0	-82	131	1,975	– –	-907	– –	156	2,775	889
Residual Fuel Oil	– –	– –	– –	5,544	10,528	–	– –	480	– –	1,814	13,778	6,091
Less than 0.31 percent sulfur	– –	– –	– –	-42	998	–	– –	327	– –	NA	NA	620
0.31 to 1.00 percent sulfur	– –	– –	– –	3,887	2,306	–	– –	651	– –	NA	NA	1,493
Greater than 1.00 percent sulfur	– –	– –	– –	1,699	7,224	–	– –	-498	– –	NA	NA	3,978
Petrochemical Feedstocks	– –	– –	– –	12	421	300	– –	5	– –	155	573	5
Naphtha for Petro. Feed. Use	– –	– –	– –	–	385	300	– –	–	– –	–	685	–
Other Oils for Petro. Feed. Use	– –	– –	– –	12	36	–	– –	–	– –	155	-112	5
Special Naphthas	– –	– –	– –	45	75	–	– –	-15	– –	–	135	46
Lubricants	– –	– –	– –	2,396	836	3,304	– –	-174	– –	1,595	5,115	1,366
Waxes	– –	– –	– –	-10	588	–	– –	130	– –	481	-33	351
Petroleum Coke	– –	– –	– –	3,017	3	2,325	– –	–	– –	2,825	2,519	–
Marketable	– –	– –	– –	1,206	3	2,325	– –	–	– –	2,825	708	–
Catalyst	– –	– –	– –	1,811	– –	– –	– –	– –	– –	– –	1,811	– –
Asphalt and Road Oil	– –	– –	– –	7,977	6,061	7,894	– –	2,693	– –	541	18,697	7,548
Still Gas	– –	– –	– –	6,175	– –	– –	– –	– –	– –	– –	6,175	– –
Miscellaneous Products	– –	– –	– –	477	–	–	– –	-9	– –	105	381	57
Total	**161,116**	**0**	**3,728**	**771,399**	**341,556**	**769,633**	**-17,772**	**2,888**	**765,724**	**75,062**	**1,185,987**	**145,729**

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

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**67**	**115**	**– –**	**– –**	**557**	**50**	**-116**	**10**	**663**	**0**	**0**
Hydrocarbon Gas Liquids	**713**	**-71**	**0**	**24**	**20**	**26**	**– –**	**93**	**6**	**291**	**322**
Natural Gas Liquids	713	-71	0	21	11	15	– –	93	6	291	299
Ethane	305	– –	– –	–	–	-177	– –	-6	– –	78	56
Propane	233	– –	– –	11	9	170	– –	103	– –	152	168
Normal Butane	72	– –	–	12	2	31	– –	-2	1	60	58
Isobutane	31	– –	–	-1	0	-8	– –	0	4	0	17
Natural Gasoline	73	-71	0	– –	–	0	– –	-2	1	1	0
Refinery Olefins	– –	– –	– –	3	9	10	– –	0	– –	– –	23
Ethylene	– –	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	– –	3	9	10	– –	-1	– –	– –	23
Normal Butylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Isobutylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-43**	**18**	**– –**	**675**	**2,099**	**266**	**-22**	**3,008**	**19**	**11**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	18	– –	11	312	17	-2	345	5	11
Hydrogen	– –	– –	– –	– –	–	– –	3	– –	3	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	18	– –	11	312	13	-2	342	5	11
Fuel Ethanol[6]	– –	– –	12	– –	–	310	13	1	331	5	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	6	– –	11	2	– –	-3	11	0	11
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-43	– –	– –	82	-1	– –	-18	56	1	0
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	– –	–	– –	582	1,788	250	-1	2,607	13	0
Reformulated	– –	– –	–	– –	144	372	20	32	504	0	0
Conventional	– –	– –	–	– –	438	1,416	230	-33	2,103	13	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**3,673**	**282**	**1,383**	**-263**	**47**	**– –**	**47**	**4,981**
Finished Motor Gasoline	– –	– –	–	3,256	75	59	-263	-8	– –	5	3,129
Reformulated	– –	– –	–	1,179	–	–	-46	0	– –	–	1,133
Conventional	– –	– –	–	2,077	75	59	-217	-8	– –	5	1,997
Finished Aviation Gasoline	– –	– –	– –	–	1	1	– –	0	– –	–	2
Kerosene-Type Jet Fuel	– –	– –	–	85	40	524	– –	-10	– –	1	659
Kerosene	– –	– –	–	8	–	–	– –	3	– –	0	4
Distillate Fuel Oil[6]	– –	– –	0	194	88	744	– –	89	– –	21	916
15 ppm sulfur and under	– –	– –	0	197	88	736	– –	89	– –	20	911
Greater than 15 to 500 ppm sulfur	– –	– –	–	1	0	–	– –	1	– –	0	-1
Greater than 500 ppm sulfur	– –	– –	–	-3	–	7	– –	0	– –	0	5
Residual Fuel Oil	– –	– –	– –	31	27	–	– –	-19	– –	0	77
Less than 0.31 percent sulfur	– –	– –	– –	0	–	–	– –	-3	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	21	1	–	– –	-4	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	9	25	–	– –	-13	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	0	0	–	– –	0	– –	–	0
Naphtha for Petro. Feed. Use	– –	– –	– –	–	0	–	– –	–	– –	–	0
Other Oils for Petro. Feed. Use	– –	– –	– –	0	–	–	– –	–	– –	–	0
Special Naphthas	– –	– –	– –	0	2	–	– –	0	– –	–	2
Lubricants	– –	– –	– –	10	4	14	– –	1	– –	5	22
Waxes	– –	– –	– –	0	3	–	– –	0	– –	2	2
Petroleum Coke	– –	– –	– –	16	0	8	– –	–	– –	10	15
Marketable	– –	– –	– –	6	0	8	– –	–	– –	10	5
Catalyst	– –	– –	– –	10	– –	– –	– –	– –	– –	– –	10
Asphalt and Road Oil	– –	– –	– –	40	42	34	– –	-9	– –	3	121
Still Gas	– –	– –	– –	29	– –	– –	– –	– –	– –	– –	29
Miscellaneous Products	– –	– –	– –	2	–	–	– –	0	– –	0	2
Total	**780**	**0**	**18**	**3,697**	**1,534**	**3,559**	**-113**	**128**	**3,677**	**357**	**5,314**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**70**	**75**	**– –**	**– –**	**571**	**78**	**-86**	**1**	**701**	**7**	**0**
Hydrocarbon Gas Liquids	**690**	**-52**	**0**	**21**	**37**	**55**	**– –**	**7**	**30**	**276**	**438**
Natural Gas Liquids	690	-52	0	16	27	48	– –	7	30	276	415
Ethane	299	– –	– –	–	–	-176	– –	1	– –	73	49
Propane	227	– –	– –	13	25	186	– –	4	– –	145	303
Normal Butane	69	– –	–	4	2	51	– –	2	19	58	47
Isobutane	31	– –	–	-1	0	-10	– –	0	4	0	16
Natural Gasoline	64	-52	0	– –	–	-3	– –	0	7	1	0
Refinery Olefins	– –	– –	– –	5	10	8	– –	0	– –	– –	23
Ethylene	– –	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	– –	5	10	8	– –	0	– –	– –	23
Normal Butylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Isobutylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-23**	**18**	**– –**	**608**	**2,076**	**226**	**7**	**2,881**	**9**	**9**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	18	– –	15	311	13	2	342	4	9
Hydrogen	– –	– –	– –	– –	–	– –	2	– –	2	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	18	– –	15	311	11	2	340	4	9
Fuel Ethanol[6]	– –	– –	12	– –	–	307	11	0	325	4	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	6	– –	15	4	– –	1	15	0	9
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-23	– –	– –	70	0	– –	1	44	2	0
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	– –	–	– –	522	1,765	213	4	2,495	2	0
Reformulated	– –	– –	–	– –	142	275	121	15	523	0	0
Conventional	– –	– –	–	– –	380	1,490	92	-11	1,972	2	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**3,617**	**395**	**1,421**	**-224**	**-1**	**– –**	**62**	**5,147**
Finished Motor Gasoline	– –	– –	–	3,188	100	72	-224	-2	– –	4	3,134
Reformulated	– –	– –	–	1,163	–	–	-113	0	– –	–	1,050
Conventional	– –	– –	–	2,025	100	72	-111	-2	– –	4	2,084
Finished Aviation Gasoline	– –	– –	– –	–	0	3	– –	0	– –	–	3
Kerosene-Type Jet Fuel	– –	– –	–	89	51	497	– –	12	– –	6	619
Kerosene	– –	– –	0	3	2	3	– –	-5	– –	0	13
Distillate Fuel Oil[6]	– –	– –	0	216	154	780	– –	-21	– –	17	1,154
15 ppm sulfur and under	– –	– –	0	215	153	771	– –	-16	– –	13	1,143
Greater than 15 to 500 ppm sulfur	– –	– –	0	1	0	–	– –	0	– –	3	-2
Greater than 500 ppm sulfur	– –	– –	0	0	1	9	– –	-4	– –	1	13
Residual Fuel Oil	– –	– –	– –	26	50	–	– –	2	– –	9	65
Less than 0.31 percent sulfur	– –	– –	– –	0	5	–	– –	2	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	18	11	–	– –	3	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	8	34	–	– –	-2	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	0	2	1	– –	0	– –	1	3
Naphtha for Petro. Feed. Use	– –	– –	– –	–	2	1	– –	–	– –	–	3
Other Oils for Petro. Feed. Use	– –	– –	– –	0	0	–	– –	–	– –	1	-1
Special Naphthas	– –	– –	– –	0	0	–	– –	0	– –	–	1
Lubricants	– –	– –	– –	11	4	16	– –	-1	– –	8	24
Waxes	– –	– –	– –	0	3	–	– –	1	– –	2	0
Petroleum Coke	– –	– –	– –	14	0	11	– –	–	– –	13	12
Marketable	– –	– –	– –	6	0	11	– –	–	– –	13	3
Catalyst	– –	– –	– –	9	– –	– –	– –	– –	– –	– –	9
Asphalt and Road Oil	– –	– –	– –	38	29	37	– –	13	– –	3	88
Still Gas	– –	– –	– –	29	– –	– –	– –	– –	– –	– –	29
Miscellaneous Products	– –	– –	– –	2	–	–	– –	0	– –	0	2
Total	**760**	**0**	**18**	**3,639**	**1,611**	**3,630**	**-84**	**14**	**3,612**	**354**	**5,594**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	Ending Stocks
Crude Oil	**55,912**	**3,165**	**– –**	**– –**	**84,792**	**-25,387**	**2,330**	**-7,389**	**125,149**	**3,051**	**0**	**118,901**
Hydrocarbon Gas Liquids	**36,338**	**-5,090**	**-698**	**5,894**	**1,805**	**-17,157**	**– –**	**7,155**	**3,007**	**3,925**	**7,005**	**57,051**
Natural Gas Liquids	36,338	-5,090	-698	4,757	1,543	-16,334	– –	7,257	3,007	3,925	6,327	56,699
Ethane	12,198	– –	– –	–	–	-6,306	– –	128	– –	2,036	3,728	6,527
Propane	12,914	– –	– –	2,575	902	-11,558	– –	2,775	– –	125	1,933	23,019
Normal Butane	4,640	– –	–	2,491	441	-4,300	– –	2,723	30	160	358	15,042
Isobutane	2,040	– –	–	-309	200	330	– –	17	1,934	2	308	1,801
Natural Gasoline	4,546	-5,090	-698	– –	–	5,500	– –	1,614	1,043	1,601	0	10,310
Refinery Olefins	– –	– –	– –	1,137	262	-823	– –	-102	– –	– –	678	352
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	1,022	173	-823	– –	-57	– –	– –	429	316
Normal Butylene	– –	– –	– –	115	89	–	– –	-45	– –	– –	249	36
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**1,925**	**33,606**	**– –**	**534**	**-13,808**	**-162**	**2,818**	**13,399**	**3,948**	**1,930**	**67,384**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	33,606	– –	87	-20,989	885	859	9,359	1,440	1,930	10,479
Hydrogen	– –	– –	– –	– –	–	– –	1,181	– –	1,181	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	33,606	– –	87	-20,989	-309	860	8,164	1,440	1,930	10,468
Fuel Ethanol	– –	– –	30,247	– –	–	-20,482	-309	766	7,627	1,062	0	9,198
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	3,359	– –	87	-507	– –	93	537	378	1,930	1,270
Other Hydrocarbons	– –	– –	– –	– –	–	–	13	-1	14	–	0	11
Unfinished Oils	– –	1,925	– –	– –	–	-394	– –	162	-1,026	2,395	0	13,763
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	447	7,575	-1,046	1,797	5,066	113	0	43,142
Reformulated	– –	– –	0	– –	–	3,195	-2,095	-307	1,407	–	0	5,344
Conventional	– –	– –	0	– –	447	4,380	1,049	2,104	3,659	113	0	37,798
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	– –	**158**	**142,825**	**1,556**	**1,907**	**1,356**	**3,181**	**– –**	**884**	**143,736**	**61,780**
Finished Motor Gasoline	– –	– –	160	77,497	–	901	1,356	-11	– –	140	79,785	3,862
Reformulated	– –	– –	–	10,143	–	–	2,392	–	– –	–	12,535	–
Conventional	– –	– –	160	67,354	–	901	-1,036	-11	– –	140	67,250	3,862
Finished Aviation Gasoline	– –	– –	– –	55	2	59	– –	14	– –	–	102	151
Kerosene-Type Jet Fuel	– –	– –	–	8,844	–	580	– –	-233	– –	64	9,593	7,118
Kerosene	– –	– –	–	147	–	–	– –	38	– –	0	109	191
Distillate Fuel Oil	– –	– –	-3	37,480	356	2,437	– –	3,591	– –	73	36,606	31,779
15 ppm sulfur and under	– –	– –	-3	37,575	351	2,328	– –	3,846	– –	1	36,405	31,192
Greater than 15 to 500 ppm sulfur	– –	– –	0	60	4	109	– –	-77	– –	8	242	206
Greater than 500 ppm sulfur	– –	– –	–	-155	1	–	– –	-178	– –	65	-41	381
Residual Fuel Oil	– –	– –	– –	1,009	88	-456	– –	207	– –	39	395	1,215
Less than 0.31 percent sulfur	– –	– –	– –	56	–	–	– –	59	– –	NA	NA	173
0.31 to 1.00 percent sulfur	– –	– –	– –	359	10	-319	– –	83	– –	NA	NA	299
Greater than 1.00 percent sulfur	– –	– –	– –	594	78	-137	– –	65	– –	NA	NA	743
Petrochemical Feedstocks	– –	– –	– –	883	157	-105	– –	-17	– –	–	952	549
Naphtha for Petro. Feed. Use	– –	– –	– –	485	87	-71	– –	-31	– –	–	532	421
Other Oils for Petro. Feed. Use	– –	– –	– –	398	70	-34	– –	14	– –	–	420	128
Special Naphthas	– –	– –	– –	-33	18	9	– –	25	– –	–	-31	202
Lubricants	– –	– –	– –	219	222	134	– –	4	– –	195	376	813
Waxes	– –	– –	– –	21	19	–	– –	-19	– –	23	36	52
Petroleum Coke	– –	– –	– –	6,109	8	-826	– –	798	– –	192	4,301	3,097
Marketable	– –	– –	– –	4,659	8	-826	– –	798	– –	192	2,851	3,097
Catalyst	– –	– –	– –	1,450	– –	– –	– –	– –	– –	– –	1,450	– –
Asphalt and Road Oil	– –	– –	– –	5,182	686	-834	– –	-1,233	– –	156	6,111	12,540
Still Gas	– –	– –	– –	4,902	– –	– –	– –	– –	– –	– –	4,902	– –
Miscellaneous Products	– –	– –	– –	510	–	7	– –	17	– –	0	500	211
Total	**92,250**	**0**	**33,065**	**148,719**	**88,687**	**-54,446**	**3,524**	**5,764**	**141,555**	**11,809**	**152,671**	**305,116**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	Ending Stocks
Crude Oil	**373,188**	**22,955**	**– –**	**– –**	**607,550**	**-148,724**	**-12,540**	**12,261**	**811,908**	**18,259**	**0**	**118,901**
Hydrocarbon Gas Liquids	**243,836**	**-33,206**	**-4,698**	**28,592**	**13,147**	**-117,104**	**– –**	**4,705**	**21,385**	**39,116**	**65,362**	**57,051**
Natural Gas Liquids	243,836	-33,206	-4,698	20,076	11,337	-112,021	– –	4,736	21,385	39,116	60,087	56,699
Ethane	87,004	– –	– –	–	–	-46,356	– –	332	– –	15,296	25,020	6,527
Propane	85,143	– –	– –	16,063	6,874	-75,039	– –	-7	– –	991	32,057	23,019
Normal Butane	29,112	– –	–	5,769	2,893	-29,879	– –	4,956	3,120	826	-1,008	15,042
Isobutane	14,350	– –	–	-1,756	1,557	1,731	– –	-228	12,081	12	4,017	1,801
Natural Gasoline	28,227	-33,206	-4,698	– –	13	37,522	– –	-317	6,184	21,991	0	10,310
Refinery Olefins	– –	– –	– –	8,516	1,810	-5,082	– –	-31	– –	– –	5,275	352
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	7,720	1,086	-5,082	– –	-56	– –	– –	3,780	316
Normal Butylene	– –	– –	– –	796	724	–	– –	25	– –	– –	1,495	36
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**10,251**	**224,056**	**– –**	**4,005**	**-101,411**	**-12,802**	**-754**	**86,444**	**26,070**	**12,339**	**67,384**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	224,059	– –	640	-141,398	-1,218	-764	62,285	8,223	12,339	10,479
Hydrogen	– –	– –	– –	– –	–	– –	7,966	– –	7,966	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	224,059	– –	640	-141,398	-9,274	-765	54,230	8,223	12,339	10,468
Fuel Ethanol	– –	– –	202,803	– –	–	-136,796	-9,274	-798	51,159	6,372	0	9,198
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	21,257	– –	640	-4,603	– –	33	3,071	1,851	12,339	1,270
Other Hydrocarbons	– –	– –	– –	– –	–	–	90	1	89	–	0	11
Unfinished Oils	– –	10,251	– –	– –	135	-3,805	– –	190	-10,921	17,312	0	13,763
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	-3	– –	3,230	43,792	-11,584	-180	35,080	535	0	43,142
Reformulated	– –	– –	0	– –	–	14,344	-1,863	1,009	11,472	–	0	5,344
Conventional	– –	– –	-3	– –	3,230	29,448	-9,721	-1,189	23,608	535	0	37,798
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**978**	**936,335**	**10,237**	**4,291**	**20,858**	**6,558**	**– –**	**6,237**	**959,904**	**61,780**
Finished Motor Gasoline	– –	– –	1,007	516,868	–	3,459	20,858	600	– –	1,635	539,957	3,862
Reformulated	– –	– –	–	70,503	–	–	3,212	–	– –	–	73,715	–
Conventional	– –	– –	1,007	446,365	–	3,459	17,645	600	– –	1,635	466,242	3,862
Finished Aviation Gasoline	– –	– –	– –	156	28	189	– –	-52	– –	–	425	151
Kerosene-Type Jet Fuel	– –	– –	–	57,292	–	1,430	– –	316	– –	258	58,148	7,118
Kerosene	– –	– –	–	516	20	–	– –	93	– –	6	437	191
Distillate Fuel Oil	– –	– –	-29	240,447	2,048	17,950	– –	2,923	– –	430	257,062	31,779
15 ppm sulfur and under	– –	– –	-29	240,084	1,967	17,349	– –	3,138	– –	14	256,218	31,192
Greater than 15 to 500 ppm sulfur	– –	– –	0	635	27	601	– –	-191	– –	43	1,411	206
Greater than 500 ppm sulfur	– –	– –	–	-272	54	–	– –	-24	– –	373	-567	381
Residual Fuel Oil	– –	– –	– –	6,875	539	-4,885	– –	27	– –	40	2,462	1,215
Less than 0.31 percent sulfur	– –	– –	– –	412	–	-464	– –	-46	– –	NA	NA	173
0.31 to 1.00 percent sulfur	– –	– –	– –	2,785	54	-1,790	– –	55	– –	NA	NA	299
Greater than 1.00 percent sulfur	– –	– –	– –	3,678	485	-2,631	– –	18	– –	NA	NA	743
Petrochemical Feedstocks	– –	– –	– –	5,895	1,129	-468	– –	21	– –	–	6,535	549
Naphtha for Petro. Feed. Use	– –	– –	– –	3,292	631	-349	– –	28	– –	–	3,546	421
Other Oils for Petro. Feed. Use	– –	– –	– –	2,603	498	-119	– –	-7	– –	–	2,989	128
Special Naphthas	– –	– –	– –	-145	80	161	– –	84	– –	–	12	202
Lubricants	– –	– –	– –	1,443	1,624	1,152	– –	91	– –	1,331	2,797	813
Waxes	– –	– –	– –	264	108	–	– –	5	– –	217	150	52
Petroleum Coke	– –	– –	– –	38,304	114	-6,507	– –	478	– –	1,789	29,644	3,097
Marketable	– –	– –	– –	28,785	114	-6,507	– –	478	– –	1,789	20,125	3,097
Catalyst	– –	– –	– –	9,519	– –	– –	– –	– –	– –	– –	9,519	– –
Asphalt and Road Oil	– –	– –	– –	35,014	4,547	-8,247	– –	1,893	– –	523	28,898	12,540
Still Gas	– –	– –	– –	30,055	– –	– –	– –	– –	– –	– –	30,055	– –
Miscellaneous Products	– –	– –	– –	3,351	–	57	– –	79	– –	8	3,321	211
Total	**617,024**	**0**	**220,336**	**964,927**	**634,939**	**-362,948**	**-4,484**	**22,770**	**919,737**	**89,683**	**1,037,604**	**305,116**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**1,804**	**102**	**– –**	**– –**	**2,735**	**-819**	**75**	**-238**	**4,037**	**98**	**0**
Hydrocarbon Gas Liquids	**1,172**	**-164**	**-23**	**190**	**58**	**-553**	**– –**	**231**	**97**	**127**	**226**
Natural Gas Liquids	1,172	-164	-23	153	50	-527	– –	234	97	127	204
Ethane	393	– –	– –	–	–	-203	– –	4	– –	66	120
Propane	417	– –	– –	83	29	-373	– –	90	– –	4	62
Normal Butane	150	– –	–	80	14	-139	– –	88	1	5	12
Isobutane	66	– –	–	-10	6	11	– –	1	62	0	10
Natural Gasoline	147	-164	-23	– –	–	177	– –	52	34	52	0
Refinery Olefins	– –	– –	– –	37	8	-27	– –	-3	– –	– –	22
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	33	6	-27	– –	-2	– –	– –	14
Normal Butylene	– –	– –	– –	4	3	–	– –	-1	– –	– –	8
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**62**	**1,084**	**– –**	**17**	**-445**	**-5**	**91**	**432**	**127**	**62**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,084	– –	3	-677	29	28	302	46	62
Hydrogen	– –	– –	– –	– –	–	– –	38	– –	38	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,084	– –	3	-677	-10	28	263	46	62
Fuel Ethanol	– –	– –	976	– –	–	-661	-10	25	246	34	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	108	– –	3	-16	– –	3	17	12	62
Other Hydrocarbons	– –	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	62	– –	– –	–	-13	– –	5	-33	77	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	14	244	-34	58	163	4	0
Reformulated	– –	– –	0	– –	–	103	-68	-10	45	–	0
Conventional	– –	– –	0	– –	14	141	34	68	118	4	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**5**	**4,607**	**50**	**62**	**44**	**103**	**– –**	**29**	**4,637**
Finished Motor Gasoline	– –	– –	5	2,500	–	29	44	0	– –	5	2,574
Reformulated	– –	– –	–	327	–	–	77	–	– –	–	404
Conventional	– –	– –	5	2,173	–	29	-33	0	– –	5	2,169
Finished Aviation Gasoline	– –	– –	– –	2	0	2	– –	0	– –	–	3
Kerosene-Type Jet Fuel	– –	– –	–	285	–	19	– –	-8	– –	2	309
Kerosene	– –	– –	–	5	–	–	– –	1	– –	0	4
Distillate Fuel Oil	– –	– –	0	1,209	11	79	– –	116	– –	2	1,181
15 ppm sulfur and under	– –	– –	0	1,212	11	75	– –	124	– –	0	1,174
Greater than 15 to 500 ppm sulfur	– –	– –	0	2	0	4	– –	-2	– –	0	8
Greater than 500 ppm sulfur	– –	– –	–	-5	0	–	– –	-6	– –	2	-1
Residual Fuel Oil	– –	– –	– –	33	3	-15	– –	7	– –	1	13
Less than 0.31 percent sulfur	– –	– –	– –	2	–	–	– –	2	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	12	0	-10	– –	3	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	19	3	-4	– –	2	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	28	5	-3	– –	-1	– –	–	31
Naphtha for Petro. Feed. Use	– –	– –	– –	16	3	-2	– –	-1	– –	–	17
Other Oils for Petro. Feed. Use	– –	– –	– –	13	2	-1	– –	0	– –	–	14
Special Naphthas	– –	– –	– –	-1	1	0	– –	1	– –	–	-1
Lubricants	– –	– –	– –	7	7	4	– –	0	– –	6	12
Waxes	– –	– –	– –	1	1	–	– –	-1	– –	1	1
Petroleum Coke	– –	– –	– –	197	0	-27	– –	26	– –	6	139
Marketable	– –	– –	– –	150	0	-27	– –	26	– –	6	92
Catalyst	– –	– –	– –	47	– –	– –	– –	– –	– –	– –	47
Asphalt and Road Oil	– –	– –	– –	167	22	-27	– –	-40	– –	5	197
Still Gas	– –	– –	– –	158	– –	– –	– –	– –	– –	– –	158
Miscellaneous Products	– –	– –	– –	16	–	0	– –	1	– –	0	16
Total	**2,976**	**0**	**1,067**	**4,797**	**2,861**	**-1,756**	**114**	**186**	**4,566**	**381**	**4,925**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**1,760**	**108**	**– –**	**– –**	**2,866**	**-702**	**-59**	**58**	**3,830**	**86**	**0**
Hydrocarbon Gas Liquids	**1,150**	**-157**	**-22**	**135**	**62**	**-552**	**– –**	**22**	**101**	**185**	**308**
Natural Gas Liquids	1,150	-157	-22	95	53	-528	– –	22	101	185	283
Ethane	410	– –	– –	–	–	-219	– –	2	– –	72	118
Propane	402	– –	– –	76	32	-354	– –	0	– –	5	151
Normal Butane	137	– –	–	27	14	-141	– –	23	15	4	-5
Isobutane	68	– –	–	-8	7	8	– –	-1	57	0	19
Natural Gasoline	133	-157	-22	– –	0	177	– –	-1	29	104	0
Refinery Olefins	– –	– –	– –	40	9	-24	– –	0	– –	– –	25
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	36	5	-24	– –	0	– –	– –	18
Normal Butylene	– –	– –	– –	4	3	–	– –	0	– –	– –	7
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**48**	**1,057**	**– –**	**19**	**-478**	**-60**	**-4**	**408**	**123**	**58**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,057	– –	3	-667	-6	-4	294	39	58
Hydrogen	– –	– –	– –	– –	–	– –	38	– –	38	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,057	– –	3	-667	-44	-4	256	39	58
Fuel Ethanol	– –	– –	957	– –	–	-645	-44	-4	241	30	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	100	– –	3	-22	– –	0	14	9	58
Other Hydrocarbons	– –	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	48	– –	– –	1	-18	– –	1	-52	82	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	15	207	-55	-1	165	3	0
Reformulated	– –	– –	0	– –	–	68	-9	5	54	–	0
Conventional	– –	– –	0	– –	15	139	-46	-6	111	3	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**5**	**4,417**	**48**	**20**	**98**	**31**	**– –**	**29**	**4,528**
Finished Motor Gasoline	– –	– –	5	2,438	–	16	98	3	– –	8	2,547
Reformulated	– –	– –	–	333	–	–	15	–	– –	–	348
Conventional	– –	– –	5	2,105	–	16	83	3	– –	8	2,199
Finished Aviation Gasoline	– –	– –	– –	1	0	1	– –	0	– –	–	2
Kerosene-Type Jet Fuel	– –	– –	–	270	–	7	– –	1	– –	1	274
Kerosene	– –	– –	–	2	0	–	– –	0	– –	0	2
Distillate Fuel Oil	– –	– –	0	1,134	10	85	– –	14	– –	2	1,213
15 ppm sulfur and under	– –	– –	0	1,132	9	82	– –	15	– –	0	1,209
Greater than 15 to 500 ppm sulfur	– –	– –	0	3	0	3	– –	-1	– –	0	7
Greater than 500 ppm sulfur	– –	– –	–	-1	0	–	– –	0	– –	2	-3
Residual Fuel Oil	– –	– –	– –	32	3	-23	– –	0	– –	0	12
Less than 0.31 percent sulfur	– –	– –	– –	2	–	-2	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	13	0	-8	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	17	2	-12	– –	0	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	28	5	-2	– –	0	– –	–	31
Naphtha for Petro. Feed. Use	– –	– –	– –	16	3	-2	– –	0	– –	–	17
Other Oils for Petro. Feed. Use	– –	– –	– –	12	2	-1	– –	0	– –	–	14
Special Naphthas	– –	– –	– –	-1	0	1	– –	0	– –	–	0
Lubricants	– –	– –	– –	7	8	5	– –	0	– –	6	13
Waxes	– –	– –	– –	1	1	–	– –	0	– –	1	1
Petroleum Coke	– –	– –	– –	181	1	-31	– –	2	– –	8	140
Marketable	– –	– –	– –	136	1	-31	– –	2	– –	8	95
Catalyst	– –	– –	– –	45	– –	– –	– –	– –	– –	– –	45
Asphalt and Road Oil	– –	– –	– –	165	21	-39	– –	9	– –	2	136
Still Gas	– –	– –	– –	142	– –	– –	– –	– –	– –	– –	142
Miscellaneous Products	– –	– –	– –	16	–	0	– –	0	– –	0	16
Total	**2,910**	**0**	**1,039**	**4,552**	**2,995**	**-1,712**	**-21**	**107**	**4,338**	**423**	**4,894**

– – = 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 transfers to crude oil supply, 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.
Data source: 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. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	Ending Stocks
Crude Oil[6]	**294,037**	**10,377**	**– –**	**– –**	**45,801**	**40,534**	**2,557**	**-1,774**	**279,257**	**115,823**	**0**	**591,716**
Hydrocarbon Gas Liquids	**122,268**	**-4,554**	**-18**	**15,957**	**–**	**31,769**	**– –**	**6,360**	**10,314**	**63,106**	**85,643**	**161,297**
Natural Gas Liquids	122,268	-4,554	-18	9,976	–	31,269	– –	6,282	10,314	63,106	79,240	160,168
Ethane	52,497	– –	– –	226	–	17,506	– –	-3,284	– –	10,326	63,187	39,576
Propane	36,360	– –	– –	4,817	–	11,084	– –	1,589	– –	42,242	8,430	51,581
Normal Butane	9,605	– –	–	5,260	–	5,196	– –	7,098	1,818	9,932	1,213	43,768
Isobutane	9,701	– –	–	-327	–	893	– –	-784	4,465	177	6,410	9,993
Natural Gasoline	14,105	-4,554	-18	– –	–	-3,411	– –	1,663	4,031	429	0	15,250
Refinery Olefins	– –	– –	– –	5,981	–	501	– –	78	– –	– –	6,404	1,129
Ethylene	– –	– –	– –	11	–	–	– –	0	– –	– –	11	0
Propylene	– –	– –	– –	6,472	–	501	– –	168	– –	– –	6,805	838
Normal Butylene	– –	– –	– –	-502	–	–	– –	-90	– –	– –	-412	291
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-5,823**	**4,433**	**– –**	**14,552**	**-63,302**	**4,080**	**145**	**-59,185**	**10,064**	**2,917**	**129,791**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	4,433	– –	219	4,537	4,424	96	9,181	1,401	2,936	5,726
Hydrogen	– –	– –	– –	– –	–	– –	4,190	– –	4,190	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	4,433	– –	219	4,537	234	96	4,991	1,401	2,936	5,726
Fuel Ethanol	– –	– –	747	– –	–	4,950	234	-1	4,688	1,244	0	3,973
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	3,686	– –	219	-413	– –	98	303	156	2,936	1,753
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-5,823	– –	– –	13,249	630	– –	810	1,239	6,007	0	47,605
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	1,084	-68,469	-344	-755	-69,630	2,656	0	76,441
Reformulated	– –	– –	–	– –	–	-16,397	3,348	267	-13,321	5	0	12,016
Conventional	– –	– –	–	– –	1,084	-52,072	-3,692	-1,022	-56,309	2,651	0	64,425
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	-6	25	–	-19	19
Finished Petroleum Products	**– –**	– –	**4**	**234,400**	**3,469**	**-46,635**	**110**	**-2,354**	**– –**	**87,098**	**106,604**	**101,351**
Finished Motor Gasoline	– –	– –	0	68,833	–	-2,486	110	-1,722	– –	24,830	43,349	6,105
Reformulated	– –	– –	–	14,376	–	–	-2,523	–	– –	–	11,853	–
Conventional	– –	– –	0	54,457	–	-2,486	2,633	-1,722	– –	24,830	31,496	6,105
Finished Aviation Gasoline	– –	– –	– –	360	–	-97	– –	42	– –	–	221	441
Kerosene-Type Jet Fuel	– –	– –	–	27,831	25	-17,942	– –	-238	– –	3,727	6,425	13,579
Kerosene	– –	– –	–	170	–	–	– –	-1	– –	21	150	596
Distillate Fuel Oil	– –	– –	4	92,109	26	-26,563	– –	1,844	– –	34,129	29,603	43,479
15 ppm sulfur and under	– –	– –	4	87,877	26	-26,223	– –	1,611	– –	29,599	30,474	36,956
Greater than 15 to 500 ppm sulfur	– –	– –	0	2,490	–	-109	– –	-184	– –	3,060	-495	1,051
Greater than 500 ppm sulfur	– –	– –	–	1,742	–	-231	– –	417	– –	1,469	-375	5,472
Residual Fuel Oil	– –	– –	– –	3,503	1,380	456	– –	-2,081	– –	4,000	3,420	16,450
Less than 0.31 percent sulfur	– –	– –	– –	254	–	–	– –	-452	– –	NA	NA	888
0.31 to 1.00 percent sulfur	– –	– –	– –	921	–	319	– –	-938	– –	NA	NA	4,267
Greater than 1.00 percent sulfur	– –	– –	– –	2,328	1,380	137	– –	-691	– –	NA	NA	11,295
Petrochemical Feedstocks	– –	– –	– –	5,568	320	105	– –	-101	– –	356	5,738	2,035
Naphtha for Petro. Feed. Use	– –	– –	– –	3,326	259	71	– –	-6	– –	–	3,662	1,458
Other Oils for Petro. Feed. Use	– –	– –	– –	2,242	61	34	– –	-95	– –	356	2,076	577
Special Naphthas	– –	– –	– –	941	746	-9	– –	88	– –	–	1,590	807
Lubricants	– –	– –	– –	3,992	948	-569	– –	-225	– –	2,883	1,713	8,524
Waxes	– –	– –	– –	126	24	–	– –	14	– –	25	111	283
Petroleum Coke	– –	– –	– –	14,935	–	712	– –	-156	– –	16,891	-1,088	3,030
Marketable	– –	– –	– –	11,679	–	712	– –	-156	– –	16,891	-4,344	3,030
Catalyst	– –	– –	– –	3,256	– –	– –	– –	– –	– –	– –	3,256	– –
Asphalt and Road Oil	– –	– –	– –	2,519	–	-235	– –	226	– –	191	1,866	5,330
Still Gas	– –	– –	– –	11,746	– –	– –	– –	– –	– –	– –	11,746	– –
Miscellaneous Products	– –	– –	– –	1,767	–	-7	– –	-44	– –	45	1,759	692
Total	**416,305**	**0**	**4,420**	**250,357**	**63,822**	**-37,634**	**6,747**	**2,377**	**230,386**	**276,090**	**195,164**	**984,155**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil[6]	**1,960,899**	**46,803**	**– –**	**– –**	**281,127**	**256,008**	**71,137**	**-23,200**	**1,820,103**	**819,070**	**0**	**591,716**
Hydrocarbon Gas Liquids	**811,335**	**-26,405**	**-111**	**95,550**	**9**	**200,209**	**– –**	**22,241**	**82,446**	**438,053**	**537,847**	**161,297**
Natural Gas Liquids	811,335	-26,405	-111	54,730	9	196,740	– –	22,354	82,446	438,053	493,445	160,168
Ethane	360,552	– –	– –	1,130	–	117,661	– –	-5,879	– –	73,382	411,840	39,576
Propane	240,606	– –	– –	32,892	–	66,655	– –	8,769	– –	285,439	45,945	51,581
Normal Butane	59,674	– –	–	22,030	9	30,509	– –	17,062	21,655	77,229	-3,724	43,768
Isobutane	66,335	– –	–	-1,322	–	6,125	– –	683	30,197	873	39,385	9,993
Natural Gasoline	84,168	-26,405	-111	– –	–	-24,209	– –	1,719	30,594	1,130	0	15,250
Refinery Olefins	– –	– –	– –	40,820	–	3,469	– –	-113	– –	– –	44,402	1,129
Ethylene	– –	– –	– –	22	–	–	– –	0	– –	– –	22	–
Propylene	– –	– –	– –	42,073	–	3,469	– –	33	– –	– –	45,509	838
Normal Butylene	– –	– –	– –	-1,275	–	–	– –	-146	– –	– –	-1,129	291
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-20,397**	**30,653**	**– –**	**104,552**	**-415,200**	**14,774**	**2,473**	**-377,563**	**67,975**	**21,497**	**129,791**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	30,653	– –	1,717	34,570	26,210	-327	59,924	11,980	21,574	5,726
Hydrogen	– –	– –	– –	– –	–	– –	26,164	– –	26,164	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	30,653	– –	1,702	34,570	61	-327	33,760	11,980	21,574	5,726
Fuel Ethanol	– –	– –	4,843	– –	–	36,999	61	-513	31,703	10,712	0	3,973
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	25,811	– –	1,702	-2,429	– –	186	2,057	1,267	21,574	1,753
Other Hydrocarbons	– –	– –	– –	– –	15	–	-15	–	–	–	0	–
Unfinished Oils	– –	-20,397	– –	– –	93,283	4,204	– –	-39	33,993	43,136	0	47,605
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	9,552	-453,974	-11,436	2,853	-471,571	12,860	0	76,441
Reformulated	– –	– –	–	– –	292	-84,008	30,460	3,030	-56,533	247	0	12,016
Conventional	– –	– –	–	– –	9,260	-369,966	-41,896	-177	-415,038	12,613	0	64,425
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	-14	91	–	-77	19
Finished Petroleum Products	**– –**	**– –**	**23**	**1,552,148**	**27,298**	**-318,636**	**11,375**	**3,385**	**– –**	**544,073**	**724,750**	**101,351**
Finished Motor Gasoline	– –	– –	0	464,354	354	-17,707	11,375	-1,663	– –	160,902	299,136	6,105
Reformulated	– –	– –	–	98,820	–	–	-24,105	–	– –	–	74,715	–
Conventional	– –	– –	0	365,534	354	-17,707	35,480	-1,663	– –	160,902	224,422	6,105
Finished Aviation Gasoline	– –	– –	– –	1,701	–	-750	– –	-110	– –	–	1,061	441
Kerosene-Type Jet Fuel	– –	– –	–	184,664	25	-114,080	– –	3,984	– –	28,614	38,011	13,579
Kerosene	– –	– –	–	1,317	–	-596	– –	187	– –	648	-114	596
Distillate Fuel Oil	– –	– –	23	602,954	859	-191,741	– –	4,920	– –	205,694	201,481	43,479
15 ppm sulfur and under	– –	– –	24	566,255	859	-189,165	– –	4,244	– –	176,417	197,311	36,956
Greater than 15 to 500 ppm sulfur	– –	– –	0	20,098	–	-601	– –	-80	– –	19,123	454	1,051
Greater than 500 ppm sulfur	– –	– –	–	16,601	–	-1,975	– –	756	– –	10,153	3,717	5,472
Residual Fuel Oil	– –	– –	– –	27,018	11,076	4,885	– –	-2,190	– –	23,548	21,621	16,450
Less than 0.31 percent sulfur	– –	– –	– –	5,873	65	464	– –	-653	– –	NA	NA	888
0.31 to 1.00 percent sulfur	– –	– –	– –	7,000	1,328	1,790	– –	40	– –	NA	NA	4,267
Greater than 1.00 percent sulfur	– –	– –	– –	14,145	9,683	2,631	– –	-1,577	– –	NA	NA	11,295
Petrochemical Feedstocks	– –	– –	– –	40,902	2,436	168	– –	175	– –	5,923	37,408	2,035
Naphtha for Petro. Feed. Use	– –	– –	– –	23,447	1,688	49	– –	68	– –	–	25,116	1,458
Other Oils for Petro. Feed. Use	– –	– –	– –	17,455	748	119	– –	107	– –	5,923	12,292	577
Special Naphthas	– –	– –	– –	5,814	3,586	-161	– –	41	– –	–	9,198	807
Lubricants	– –	– –	– –	25,273	7,158	-4,416	– –	-1,534	– –	18,563	10,986	8,524
Waxes	– –	– –	– –	799	77	–	– –	-50	– –	146	780	283
Petroleum Coke	– –	– –	– –	96,977	1,727	6,214	– –	136	– –	97,058	7,724	3,030
Marketable	– –	– –	– –	75,982	1,727	6,214	– –	136	– –	97,058	-13,271	3,030
Catalyst	– –	– –	– –	20,995	– –	– –	– –	– –	– –	– –	20,995	– –
Asphalt and Road Oil	– –	– –	– –	14,868	–	-396	– –	-600	– –	2,536	12,537	5,330
Still Gas	– –	– –	– –	74,196	– –	– –	– –	– –	– –	– –	74,196	– –
Miscellaneous Products	– –	– –	– –	11,311	–	-57	– –	89	– –	442	10,723	692
Total	**2,772,234**	**0**	**30,566**	**1,647,698**	**412,986**	**-277,620**	**97,286**	**4,899**	**1,524,986**	**1,869,171**	**1,284,094**	**984,155**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil[6]	**9,485**	**335**	**– –**	**– –**	**1,477**	**1,308**	**82**	**-57**	**9,008**	**3,736**	**0**
Hydrocarbon Gas Liquids	**3,944**	**-147**	**-1**	**515**	**–**	**1,025**	**– –**	**205**	**333**	**2,036**	**2,763**
Natural Gas Liquids	3,944	-147	-1	322	–	1,009	– –	203	333	2,036	2,556
Ethane	1,693	– –	– –	7	–	565	– –	-106	– –	333	2,038
Propane	1,173	– –	– –	155	–	358	– –	51	– –	1,363	272
Normal Butane	310	– –	–	170	–	168	– –	229	59	320	39
Isobutane	313	– –	–	-11	–	29	– –	-25	144	6	207
Natural Gasoline	455	-147	-1	– –	–	-110	– –	54	130	14	0
Refinery Olefins	– –	– –	– –	193	–	16	– –	3	– –	– –	207
Ethylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	– –	209	–	16	– –	5	– –	– –	220
Normal Butylene	– –	– –	– –	-16	–	–	– –	-3	– –	– –	-13
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-188**	**143**	**– –**	**469**	**-2,042**	**132**	**5**	**-1,909**	**325**	**94**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	143	– –	7	146	143	3	296	45	95
Hydrogen	– –	– –	– –	– –	–	– –	135	– –	135	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	143	– –	7	146	8	3	161	45	95
Fuel Ethanol	– –	– –	24	– –	–	160	8	0	151	40	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	119	– –	7	-13	– –	3	10	5	95
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-188	– –	– –	427	20	– –	26	40	194	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	35	-2,209	-11	-24	-2,246	86	0
Reformulated	– –	– –	–	– –	–	-529	108	9	-430	0	0
Conventional	– –	– –	–	– –	35	-1,680	-119	-33	-1,816	86	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	0	1	–	-1
Finished Petroleum Products	**– –**	**– –**	**0**	**7,561**	**112**	**-1,504**	**4**	**-76**	**– –**	**2,810**	**3,439**
Finished Motor Gasoline	– –	– –	0	2,220	–	-80	4	-56	– –	801	1,398
Reformulated	– –	– –	–	464	–	–	-81	–	– –	–	382
Conventional	– –	– –	0	1,757	–	-80	85	-56	– –	801	1,016
Finished Aviation Gasoline	– –	– –	– –	12	–	-3	– –	1	– –	–	7
Kerosene-Type Jet Fuel	– –	– –	–	898	1	-579	– –	-8	– –	120	207
Kerosene	– –	– –	–	5	–	–	– –	0	– –	1	5
Distillate Fuel Oil	– –	– –	0	2,971	1	-857	– –	59	– –	1,101	955
15 ppm sulfur and under	– –	– –	0	2,835	1	-846	– –	52	– –	955	983
Greater than 15 to 500 ppm sulfur	– –	– –	0	80	–	-4	– –	-6	– –	99	-16
Greater than 500 ppm sulfur	– –	– –	–	56	–	-7	– –	13	– –	47	-12
Residual Fuel Oil	– –	– –	– –	113	45	15	– –	-67	– –	129	110
Less than 0.31 percent sulfur	– –	– –	– –	8	–	–	– –	-15	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	30	–	10	– –	-30	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	75	45	4	– –	-22	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	180	10	3	– –	-3	– –	11	185
Naphtha for Petro. Feed. Use	– –	– –	– –	107	8	2	– –	0	– –	–	118
Other Oils for Petro. Feed. Use	– –	– –	– –	72	2	1	– –	-3	– –	11	67
Special Naphthas	– –	– –	– –	30	24	0	– –	3	– –	–	51
Lubricants	– –	– –	– –	129	31	-18	– –	-7	– –	93	55
Waxes	– –	– –	– –	4	1	–	– –	0	– –	1	4
Petroleum Coke	– –	– –	– –	482	–	23	– –	-5	– –	545	-35
Marketable	– –	– –	– –	377	–	23	– –	-5	– –	545	-140
Catalyst	– –	– –	– –	105	– –	– –	– –	– –	– –	– –	105
Asphalt and Road Oil	– –	– –	– –	81	–	-8	– –	7	– –	6	60
Still Gas	– –	– –	– –	379	– –	– –	– –	– –	– –	– –	379
Miscellaneous Products	– –	– –	– –	57	–	0	– –	-1	– –	1	57
Total	**13,429**	**0**	**143**	**8,076**	**2,059**	**-1,214**	**218**	**77**	**7,432**	**8,906**	**6,296**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil[6]	**9,250**	**221**	**– –**	**– –**	**1,326**	**1,208**	**336**	**-109**	**8,585**	**3,864**	**0**
Hydrocarbon Gas Liquids	**3,827**	**-125**	**-1**	**451**	**0**	**944**	**– –**	**105**	**389**	**2,066**	**2,537**
Natural Gas Liquids	3,827	-125	-1	258	0	928	– –	105	389	2,066	2,328
Ethane	1,701	– –	– –	5	–	555	– –	-28	– –	346	1,943
Propane	1,135	– –	– –	155	–	314	– –	41	– –	1,346	217
Normal Butane	281	– –	–	104	0	144	– –	80	102	364	-18
Isobutane	313	– –	–	-6	–	29	– –	3	142	4	186
Natural Gasoline	397	-125	-1	– –	–	-114	– –	8	144	5	0
Refinery Olefins	– –	– –	– –	193	–	16	– –	-1	– –	– –	209
Ethylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	– –	198	–	16	– –	0	– –	– –	215
Normal Butylene	– –	– –	– –	-6	–	–	– –	-1	– –	– –	-5
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-96**	**145**	**– –**	**493**	**-1,958**	**70**	**12**	**-1,781**	**321**	**101**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	145	– –	8	163	124	-2	283	57	102
Hydrogen	– –	– –	– –	– –	–	– –	123	– –	123	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	145	– –	8	163	0	-2	159	57	102
Fuel Ethanol	– –	– –	23	– –	–	175	0	-2	150	51	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	122	– –	8	-11	– –	1	10	6	102
Other Hydrocarbons	– –	– –	– –	– –	0	–	0	–	–	–	0
Unfinished Oils	– –	-96	– –	– –	440	20	– –	0	160	203	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	45	-2,141	-54	13	-2,224	61	0
Reformulated	– –	– –	–	– –	1	-396	144	14	-267	1	0
Conventional	– –	– –	–	– –	44	-1,745	-198	-1	-1,958	59	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	0	0	–	0
Finished Petroleum Products	**– –**	**– –**	**0**	**7,321**	**129**	**-1,503**	**54**	**16**	**– –**	**2,566**	**3,419**
Finished Motor Gasoline	– –	– –	0	2,190	2	-84	54	-8	– –	759	1,411
Reformulated	– –	– –	–	466	–	–	-114	–	– –	–	352
Conventional	– –	– –	0	1,724	2	-84	167	-8	– –	759	1,059
Finished Aviation Gasoline	– –	– –	– –	8	–	-4	– –	-1	– –	–	5
Kerosene-Type Jet Fuel	– –	– –	–	871	0	-538	– –	19	– –	135	179
Kerosene	– –	– –	–	6	–	-3	– –	1	– –	3	-1
Distillate Fuel Oil	– –	– –	0	2,844	4	-904	– –	23	– –	970	950
15 ppm sulfur and under	– –	– –	0	2,671	4	-892	– –	20	– –	832	931
Greater than 15 to 500 ppm sulfur	– –	– –	0	95	–	-3	– –	0	– –	90	2
Greater than 500 ppm sulfur	– –	– –	–	78	–	-9	– –	4	– –	48	18
Residual Fuel Oil	– –	– –	– –	127	52	23	– –	-10	– –	111	102
Less than 0.31 percent sulfur	– –	– –	– –	28	0	2	– –	-3	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	33	6	8	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	67	46	12	– –	-7	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	193	11	1	– –	1	– –	28	176
Naphtha for Petro. Feed. Use	– –	– –	– –	111	8	0	– –	0	– –	–	118
Other Oils for Petro. Feed. Use	– –	– –	– –	82	4	1	– –	1	– –	28	58
Special Naphthas	– –	– –	– –	27	17	-1	– –	0	– –	–	43
Lubricants	– –	– –	– –	119	34	-21	– –	-7	– –	88	52
Waxes	– –	– –	– –	4	0	–	– –	0	– –	1	4
Petroleum Coke	– –	– –	– –	457	8	29	– –	1	– –	458	36
Marketable	– –	– –	– –	358	8	29	– –	1	– –	458	-63
Catalyst	– –	– –	– –	99	– –	– –	– –	– –	– –	– –	99
Asphalt and Road Oil	– –	– –	– –	70	–	-2	– –	-3	– –	12	59
Still Gas	– –	– –	– –	350	– –	– –	– –	– –	– –	– –	350
Miscellaneous Products	– –	– –	– –	53	–	0	– –	0	– –	2	51
Total	**13,077**	**0**	**144**	**7,772**	**1,948**	**-1,310**	**459**	**23**	**7,193**	**8,817**	**6,057**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**28,577**	**500**	**– –**	**– –**	**12,003**	**-21,156**	**-1,896**	**-811**	**18,838**	**–**	**0**	**24,034**
Hydrocarbon Gas Liquids	**17,369**	**-290**	**-10**	**480**	**289**	**-16,088**	**– –**	**679**	**486**	**12**	**574**	**8,565**
Natural Gas Liquids	17,369	-290	-10	395	289	-16,088	– –	709	486	12	459	8,496
Ethane	5,524	– –	– –	–	–	-5,701	– –	156	– –	1	-334	1,212
Propane	5,856	– –	– –	258	289	-5,183	– –	207	– –	3	1,010	2,880
Normal Butane	2,338	– –	–	171	–	-2,101	– –	385	142	1	-120	3,180
Isobutane	1,044	– –	–	-34	–	-1,020	– –	-58	146	–	-98	393
Natural Gasoline	2,607	-290	-10	– –	–	-2,083	– –	19	198	7	0	831
Refinery Olefins	– –	– –	– –	85	–	–	– –	-30	– –	– –	115	69
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	20	–	–	– –	-1	– –	– –	21	3
Normal Butylene	– –	– –	– –	65	–	–	– –	-29	– –	– –	94	66
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-210**	**997**	**– –**	**28**	**1,763**	**570**	**135**	**2,397**	**116**	**500**	**9,836**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	997	– –	13	637	216	-7	1,291	79	500	772
Hydrogen	– –	– –	– –	– –	–	– –	213	– –	213	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	997	– –	13	637	3	-7	1,078	79	500	772
Fuel Ethanol	– –	– –	418	– –	–	611	3	-23	1,010	45	0	357
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	579	– –	13	26	– –	16	68	34	500	415
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-210	– –	– –	–	–	– –	-244	-3	37	0	2,957
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	15	1,126	354	386	1,109	0	0	6,107
Reformulated	– –	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	– –	–	– –	15	1,126	354	386	1,109	0	0	6,107
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**-1**	**22,035**	**150**	**-282**	**-357**	**-469**	**– –**	**18**	**21,996**	**8,522**
Finished Motor Gasoline	– –	– –	–	11,717	–	-324	-357	1	– –	1	11,034	1,089
Reformulated	– –	– –	–	–	–	–	–	-5	– –	–	5	–
Conventional	– –	– –	–	11,717	–	-324	-357	6	– –	1	11,029	1,089
Finished Aviation Gasoline	– –	– –	– –	7	–	–	– –	0	– –	–	7	10
Kerosene-Type Jet Fuel	– –	– –	–	1,234	3	868	– –	7	– –	–	2,098	764
Kerosene	– –	– –	–	–	–	–	– –	–	– –	–	–	–
Distillate Fuel Oil	– –	– –	-1	6,113	74	-76	– –	-216	– –	–	6,327	3,829
15 ppm sulfur and under	– –	– –	-1	6,180	74	-76	– –	-144	– –	–	6,322	3,631
Greater than 15 to 500 ppm sulfur	– –	– –	–	-43	–	–	– –	-53	– –	–	10	150
Greater than 500 ppm sulfur	– –	– –	–	-24	–	–	– –	-19	– –	–	-5	48
Residual Fuel Oil	– –	– –	– –	351	–	–	– –	-9	– –	–	360	213
Less than 0.31 percent sulfur	– –	– –	– –	195	–	–	– –	7	– –	NA	NA	27
0.31 to 1.00 percent sulfur	– –	– –	– –	29	–	–	– –	-4	– –	NA	NA	5
Greater than 1.00 percent sulfur	– –	– –	– –	127	–	–	– –	-12	– –	NA	NA	181
Petrochemical Feedstocks	– –	– –	– –	78	–	–	– –	–	– –	–	78	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	78	–	–	– –	–	– –	–	78	–
Special Naphthas	– –	– –	– –	–	–	–	– –	–	– –	–	–	–
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	15	-15	–
Waxes	– –	– –	– –	–	–	–	– –	–	– –	0	0	–
Petroleum Coke	– –	– –	– –	738	–	-227	– –	48	– –	0	463	152
Marketable	– –	– –	– –	524	–	-227	– –	48	– –	0	249	152
Catalyst	– –	– –	– –	214	– –	– –	– –	– –	– –	– –	214	– –
Asphalt and Road Oil	– –	– –	– –	1,080	73	-523	– –	-303	– –	2	931	2,442
Still Gas	– –	– –	– –	652	– –	– –	– –	– –	– –	– –	652	– –
Miscellaneous Products	– –	– –	– –	65	–	–	– –	3	– –	–	62	23
Total	**45,946**	**0**	**986**	**22,515**	**12,470**	**-35,763**	**-1,683**	**-466**	**21,721**	**146**	**23,069**	**50,958**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	Ending Stocks
Crude Oil	**191,847**	**2,345**	**– –**	**– –**	**83,945**	**-148,373**	**-15,108**	**-387**	**115,042**	**–**	**0**	**24,034**
Hydrocarbon Gas Liquids	**110,006**	**-1,359**	**-61**	**2,263**	**4,147**	**-101,248**	**– –**	**2,446**	**3,543**	**60**	**7,699**	**8,565**
Natural Gas Liquids	110,006	-1,359	-61	1,637	4,146	-101,248	– –	2,455	3,543	60	7,063	8,496
Ethane	33,712	– –	– –	–	–	-34,040	– –	176	– –	1	-505	1,212
Propane	38,765	– –	– –	1,390	4,036	-34,218	– –	483	– –	13	9,477	2,880
Normal Butane	15,326	– –	–	443	99	-13,905	– –	1,769	1,158	4	-968	3,180
Isobutane	6,825	– –	–	-196	–	-6,490	– –	-32	1,112	–	-941	393
Natural Gasoline	15,378	-1,359	-61	– –	11	-12,595	– –	59	1,273	42	0	831
Refinery Olefins	– –	– –	– –	626	1	–	– –	-9	– –	– –	636	69
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	154	1	–	– –	-7	– –	– –	162	3
Normal Butylene	– –	– –	– –	472	–	–	– –	-2	– –	– –	474	66
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-985**	**6,098**	**– –**	**580**	**9,243**	**2,473**	**130**	**13,691**	**447**	**3,142**	**9,836**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	6,098	– –	75	3,371	2,080	192	7,969	321	3,142	772
Hydrogen	– –	– –	– –	– –	–	– –	1,368	– –	1,368	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	6,098	– –	75	3,371	712	192	6,601	321	3,142	772
Fuel Ethanol	– –	– –	2,512	– –	–	3,204	712	15	6,174	238	0	357
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	3,586	– –	75	167	– –	177	427	83	3,142	415
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-985	– –	– –	–	–	– –	-38	-1,071	124	0	2,957
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	505	5,872	394	-24	6,793	2	0	6,107
Reformulated	– –	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	– –	–	– –	505	5,872	394	-24	6,793	2	0	6,107
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**-5**	**135,127**	**1,216**	**-10**	**-1,105**	**582**	**– –**	**127**	**134,514**	**8,522**
Finished Motor Gasoline	– –	– –	–	70,957	–	-1,632	-1,105	-197	– –	6	68,410	1,089
Reformulated	– –	– –	–	–	–	–	–	0	– –	–	0	–
Conventional	– –	– –	–	70,957	–	-1,632	-1,105	-197	– –	6	68,410	1,089
Finished Aviation Gasoline	– –	– –	– –	36	1	–	– –	1	– –	–	36	10
Kerosene-Type Jet Fuel	– –	– –	–	6,749	239	5,763	– –	9	– –	–	12,742	764
Kerosene	– –	– –	–	–	–	–	– –	-2	– –	–	2	–
Distillate Fuel Oil	– –	– –	-5	39,048	423	832	– –	135	– –	0	40,163	3,829
15 ppm sulfur and under	– –	– –	-5	38,933	423	832	– –	133	– –	0	40,050	3,631
Greater than 15 to 500 ppm sulfur	– –	– –	–	135	–	–	– –	2	– –	–	133	150
Greater than 500 ppm sulfur	– –	– –	–	-20	–	–	– –	0	– –	–	-20	48
Residual Fuel Oil	– –	– –	– –	2,260	15	–	– –	3	– –	–	2,272	213
Less than 0.31 percent sulfur	– –	– –	– –	1,151	11	–	– –	1	– –	NA	NA	27
0.31 to 1.00 percent sulfur	– –	– –	– –	156	4	–	– –	1	– –	NA	NA	5
Greater than 1.00 percent sulfur	– –	– –	– –	953	–	–	– –	1	– –	NA	NA	181
Petrochemical Feedstocks	– –	– –	– –	78	–	–	– –	–	– –	–	78	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	78	–	–	– –	–	– –	–	78	–
Special Naphthas	– –	– –	– –	–	1	–	– –	–	– –	–	1	–
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	106	-106	–
Waxes	– –	– –	– –	–	–	–	– –	–	– –	2	-2	–
Petroleum Coke	– –	– –	– –	4,839	–	-2,396	– –	55	– –	0	2,388	152
Marketable	– –	– –	– –	3,420	–	-2,396	– –	55	– –	0	969	152
Catalyst	– –	– –	– –	1,419	– –	– –	– –	– –	– –	– –	1,419	– –
Asphalt and Road Oil	– –	– –	– –	6,164	537	-2,577	– –	571	– –	12	3,541	2,442
Still Gas	– –	– –	– –	4,356	– –	– –	– –	– –	– –	– –	4,356	– –
Miscellaneous Products	– –	– –	– –	640	–	–	– –	7	– –	0	633	23
Total	**301,853**	**0**	**6,032**	**137,390**	**89,888**	**-240,388**	**-13,740**	**2,770**	**132,276**	**633**	**145,355**	**50,958**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**922**	**16**	**– –**	**– –**	**387**	**-682**	**-61**	**-26**	**608**	**–**	**0**
Hydrocarbon Gas Liquids	**560**	**-9**	**0**	**15**	**9**	**-519**	**– –**	**22**	**16**	**0**	**19**
Natural Gas Liquids	560	-9	0	13	9	-519	– –	23	16	0	15
Ethane	178	– –	– –	–	–	-184	– –	5	– –	0	-11
Propane	189	– –	– –	8	9	-167	– –	7	– –	0	33
Normal Butane	75	– –	–	6	–	-68	– –	12	5	0	-4
Isobutane	34	– –	–	-1	–	-33	– –	-2	5	–	-3
Natural Gasoline	84	-9	0	– –	–	-67	– –	1	6	0	0
Refinery Olefins	– –	– –	– –	3	–	–	– –	-1	– –	– –	4
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	1	–	–	– –	0	– –	– –	1
Normal Butylene	– –	– –	– –	2	–	–	– –	-1	– –	– –	3
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-7**	**32**	**– –**	**1**	**57**	**18**	**4**	**77**	**4**	**16**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	32	– –	0	21	7	0	42	3	16
Hydrogen	– –	– –	– –	– –	–	– –	7	– –	7	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	32	– –	0	21	0	0	35	3	16
Fuel Ethanol	– –	– –	13	– –	–	20	0	-1	33	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	19	– –	0	1	– –	1	2	1	16
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-7	– –	– –	–	–	– –	-8	0	1	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	0	36	11	12	36	0	0
Reformulated	– –	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	– –	–	– –	0	36	11	12	36	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**711**	**5**	**-9**	**-12**	**-15**	**– –**	**1**	**710**
Finished Motor Gasoline	– –	– –	–	378	–	-10	-12	0	– –	0	356
Reformulated	– –	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	– –	–	378	–	-10	-12	0	– –	0	356
Finished Aviation Gasoline	– –	– –	– –	0	–	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	– –	–	40	0	28	– –	0	– –	–	68
Kerosene	– –	– –	–	–	–	–	– –	–	– –	–	–
Distillate Fuel Oil	– –	– –	0	197	2	-2	– –	-7	– –	–	204
15 ppm sulfur and under	– –	– –	0	199	2	-2	– –	-5	– –	–	204
Greater than 15 to 500 ppm sulfur	– –	– –	–	-1	–	–	– –	-2	– –	–	0
Greater than 500 ppm sulfur	– –	– –	–	-1	–	–	– –	-1	– –	–	0
Residual Fuel Oil	– –	– –	– –	11	–	–	– –	0	– –	–	12
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	– –	– –	– –	3	–	–	– –	–	– –	–	3
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	3	–	–	– –	–	– –	–	3
Special Naphthas	– –	– –	– –	–	–	–	– –	–	– –	–	–
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	0	0
Waxes	– –	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	24	–	-7	– –	2	– –	0	15
Marketable	– –	– –	– –	17	–	-7	– –	2	– –	0	8
Catalyst	– –	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	– –	35	2	-17	– –	-10	– –	0	30
Still Gas	– –	– –	– –	21	– –	– –	– –	– –	– –	– –	21
Miscellaneous Products	– –	– –	– –	2	–	–	– –	0	– –	–	2
Total	**1,482**	**0**	**32**	**726**	**402**	**-1,154**	**-54**	**-15**	**701**	**5**	**744**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**905**	**11**	**– –**	**– –**	**396**	**-700**	**-71**	**-2**	**543**	**–**	**0**
Hydrocarbon Gas Liquids	**519**	**-6**	**0**	**11**	**20**	**-478**	**– –**	**12**	**17**	**0**	**36**
Natural Gas Liquids	519	-6	0	8	20	-478	– –	12	17	0	33
Ethane	159	– –	– –	–	–	-161	– –	1	– –	0	-2
Propane	183	– –	– –	7	19	-161	– –	2	– –	0	45
Normal Butane	72	– –	–	2	0	-66	– –	8	5	0	-5
Isobutane	32	– –	–	-1	–	-31	– –	0	5	–	-4
Natural Gasoline	73	-6	0	– –	0	-59	– –	0	6	0	0
Refinery Olefins	– –	– –	– –	3	0	–	– –	0	– –	– –	3
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	1	0	–	– –	0	– –	– –	1
Normal Butylene	– –	– –	– –	2	–	–	– –	0	– –	– –	2
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-5**	**29**	**– –**	**3**	**44**	**12**	**1**	**65**	**2**	**15**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	29	– –	0	16	10	1	38	2	15
Hydrogen	– –	– –	– –	– –	–	– –	6	– –	6	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	29	– –	0	16	3	1	31	2	15
Fuel Ethanol	– –	– –	12	– –	–	15	3	0	29	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	17	– –	0	1	– –	1	2	0	15
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-5	– –	– –	–	–	– –	0	-5	1	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	2	28	2	0	32	0	0
Reformulated	– –	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	– –	–	– –	2	28	2	0	32	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**637**	**6**	**0**	**-5**	**3**	**– –**	**1**	**635**
Finished Motor Gasoline	– –	– –	–	335	–	-8	-5	-1	– –	0	323
Reformulated	– –	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	– –	–	335	–	-8	-5	-1	– –	0	323
Finished Aviation Gasoline	– –	– –	– –	0	0	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	– –	–	32	1	27	– –	0	– –	–	60
Kerosene	– –	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	– –	0	184	2	4	– –	1	– –	0	189
15 ppm sulfur and under	– –	– –	0	184	2	4	– –	1	– –	0	189
Greater than 15 to 500 ppm sulfur	– –	– –	–	1	–	–	– –	0	– –	–	1
Greater than 500 ppm sulfur	– –	– –	–	0	–	–	– –	0	– –	–	0
Residual Fuel Oil	– –	– –	– –	11	0	–	– –	0	– –	–	11
Less than 0.31 percent sulfur	– –	– –	– –	5	0	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	1	0	–	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	4	–	–	– –	0	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	0	–	–	– –	–	– –	–	0
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	0	–	–	– –	–	– –	–	0
Special Naphthas	– –	– –	– –	–	0	–	– –	–	– –	–	0
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	0	0
Waxes	– –	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	23	–	-11	– –	0	– –	0	11
Marketable	– –	– –	– –	16	–	-11	– –	0	– –	0	5
Catalyst	– –	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	– –	29	3	-12	– –	3	– –	0	17
Still Gas	– –	– –	– –	21	– –	– –	– –	– –	– –	– –	21
Miscellaneous Products	– –	– –	– –	3	–	–	– –	0	– –	0	3
Total	**1,424**	**0**	**28**	**648**	**424**	**-1,134**	**-65**	**13**	**624**	**3**	**686**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**22,137**	**1,524**	**– –**	**– –**	**35,041**	**4,453**	**2,615**	**-4,981**	**70,751**	**0**	**0**	**44,793**
Hydrocarbon Gas Liquids	**1,721**	**-1,315**	**-6**	**2,015**	**1,381**	**677**	**– –**	**558**	**518**	**1,480**	**1,918**	**4,928**
Natural Gas Liquids	1,721	-1,315	-6	1,804	1,381	677	– –	473	518	1,480	1,792	4,707
Ethane	–	– –	– –	–	–	–	– –	–	– –	–	–	–
Propane	235	-22	– –	977	705	390	– –	387	– –	836	1,062	2,062
Normal Butane	501	-361	–	785	603	230	– –	156	42	620	940	2,194
Isobutane	146	-142	–	42	73	58	– –	-72	457	2	-211	414
Natural Gasoline	839	-790	-6	– –	–	–	– –	2	19	22	0	37
Refinery Olefins	– –	– –	– –	211	–	–	– –	85	– –	– –	126	221
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	298	–	–	– –	2	– –	– –	296	23
Normal Butylene	– –	– –	– –	-87	–	–	– –	83	– –	– –	-170	198
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-209**	**1,606**	**– –**	**3,257**	**10,266**	**-776**	**-201**	**11,114**	**966**	**2,266**	**51,445**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,606	– –	904	6,130	731	205	6,616	285	2,266	5,662
Hydrogen	– –	– –	– –	– –	–	– –	1,405	– –	1,405	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	1,606	– –	904	6,130	-674	205	5,211	285	2,266	5,662
Fuel Ethanol	– –	– –	229	– –	–	5,303	-674	40	4,653	165	0	2,472
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	1,378	– –	904	827	– –	165	558	120	2,266	3,189
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	1,735	-217	– –	-291	1,152	448	0	18,927
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	618	4,353	-1,507	-115	3,346	233	0	26,857
Reformulated	– –	– –	–	– –	–	1,669	-266	-192	1,594	1	0	13,431
Conventional	– –	–	0	– –	618	2,684	-1,242	77	1,752	232	0	13,425
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**71**	**85,150**	**4,175**	**2,127**	**2,181**	**315**	**– –**	**9,342**	**84,046**	**31,762**
Finished Motor Gasoline	– –	– –	54	45,632	684	91	2,181	-425	– –	824	48,243	1,593
Reformulated	– –	– –	–	31,291	–	–	64	1	– –	–	31,354	16
Conventional	– –	– –	54	14,341	684	91	2,117	-426	– –	824	16,889	1,577
Finished Aviation Gasoline	– –	– –	– –	-11	1	–	– –	-55	– –	–	45	224
Kerosene-Type Jet Fuel	– –	– –	19	14,620	2,691	259	– –	721	– –	534	16,334	9,648
Kerosene	– –	– –	–	0	–	–	– –	-1	– –	0	1	8
Distillate Fuel Oil	– –	– –	-2	13,076	534	1,142	– –	-371	– –	2,972	12,149	11,175
15 ppm sulfur and under	– –	– –	-2	12,563	533	1,142	– –	-183	– –	2,920	11,499	10,490
Greater than 15 to 500 ppm sulfur	– –	– –	–	247	–	–	– –	-106	– –	1	352	148
Greater than 500 ppm sulfur	– –	– –	–	266	1	–	– –	-82	– –	51	298	537
Residual Fuel Oil	– –	– –	– –	2,380	84	–	– –	576	– –	352	1,536	4,540
Less than 0.31 percent sulfur	– –	– –	– –	58	–	–	– –	73	– –	NA	NA	1,067
0.31 to 1.00 percent sulfur	– –	– –	– –	657	46	–	– –	26	– –	NA	NA	570
Greater than 1.00 percent sulfur	– –	– –	– –	1,665	38	–	– –	477	– –	NA	NA	2,903
Petrochemical Feedstocks	– –	– –	– –	191	27	–	– –	–	– –	550	-332	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	27	–	– –	–	– –	–	27	–
Other Oils for Petro. Feed. Use	– –	– –	– –	191	–	–	– –	–	– –	550	-359	–
Special Naphthas	– –	– –	– –	33	15	–	– –	-8	– –	–	56	42
Lubricants	– –	– –	– –	244	62	10	– –	-206	– –	375	147	820
Waxes	– –	– –	– –	–	8	–	– –	–	– –	3	5	–
Petroleum Coke	– –	– –	– –	3,942	–	78	– –	168	– –	3,707	146	1,067
Marketable	– –	– –	– –	2,967	–	78	– –	168	– –	3,707	-829	1,067
Catalyst	– –	– –	– –	975	– –	– –	– –	– –	– –	– –	975	– –
Asphalt and Road Oil	– –	– –	– –	952	69	547	– –	-90	– –	26	1,632	2,579
Still Gas	– –	– –	– –	3,693	– –	– –	– –	– –	– –	– –	3,693	– –
Miscellaneous Products	– –	– –	– –	398	–	–	– –	6	– –	0	392	67
Total	**23,858**	**0**	**1,672**	**87,165**	**43,854**	**17,524**	**4,020**	**-4,309**	**82,383**	**11,788**	**88,231**	**132,929**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels)

Commodity	Supply							Disposition				Ending Stocks
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**158,340**	**12,603**	**– –**	**– –**	**256,834**	**24,557**	**7,406**	**-3,209**	**460,596**	**2,353**	**0**	**44,793**
Hydrocarbon Gas Liquids	**13,851**	**-11,245**	**-26**	**11,790**	**10,755**	**6,400**	**– –**	**1,072**	**4,907**	**12,572**	**12,974**	**4,928**
Natural Gas Liquids	13,851	-11,245	-26	10,596	10,755	6,400	– –	868	4,907	12,572	11,984	4,707
Ethane	6	– –	– –	–	–	–	– –	–	– –	1	5	–
Propane	1,591	-169	– –	6,312	6,644	3,169	– –	582	– –	6,808	10,157	2,062
Normal Butane	3,893	-3,137	–	3,597	3,964	2,517	– –	161	1,122	5,653	3,899	2,194
Isobutane	1,383	-1,233	–	687	147	713	– –	110	3,651	13	-2,077	414
Natural Gasoline	6,978	-6,706	-26	– –	–	–	– –	15	134	97	0	37
Refinery Olefins	– –	– –	– –	1,194	–	–	– –	204	– –	– –	990	221
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	1,386	–	–	– –	9	– –	– –	1,377	23
Normal Butylene	– –	– –	– –	-192	–	–	– –	195	– –	– –	-387	198
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-1,358**	**9,354**	**– –**	**26,688**	**67,177**	**-2,715**	**-3,097**	**83,380**	**4,532**	**14,330**	**51,445**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	9,356	– –	5,734	37,501	9,214	-53	45,654	1,873	14,330	5,662
Hydrogen	– –	– –	– –	– –	–	– –	9,005	– –	9,005	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	9,356	– –	5,734	37,501	209	-53	36,649	1,873	14,330	5,662
Fuel Ethanol	– –	– –	832	– –	–	31,448	209	-95	31,299	1,285	0	2,472
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	8,524	– –	5,734	6,052	– –	42	5,350	588	14,330	3,189
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	11,736	-372	– –	451	8,148	1,407	0	18,927
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	-1	– –	9,218	30,048	-11,929	-3,495	29,578	1,252	0	26,857
Reformulated	– –	– –	0	– –	777	11,321	842	-1,922	14,856	5	0	13,431
Conventional	– –	–	-1	– –	8,441	18,727	-12,771	-1,573	14,722	1,247	0	13,425
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**405**	**570,529**	**31,813**	**13,189**	**11,720**	**-2,872**	**– –**	**62,738**	**567,790**	**31,762**
Finished Motor Gasoline	– –	– –	362	306,445	4,733	601	11,720	-609	– –	6,435	318,036	1,593
Reformulated	– –	– –	–	213,002	–	–	-99	1	– –	–	212,902	16
Conventional	– –	– –	362	93,443	4,733	601	11,819	-610	– –	6,435	105,134	1,577
Finished Aviation Gasoline	– –	– –	– –	112	11	–	– –	-113	– –	–	236	224
Kerosene-Type Jet Fuel	– –	– –	55	90,574	19,470	1,428	– –	718	– –	4,594	106,215	9,648
Kerosene	– –	– –	–	8	–	–	– –	5	– –	2	1	8
Distillate Fuel Oil	– –	– –	-12	95,711	3,453	7,511	– –	-2,124	– –	20,876	87,910	11,175
15 ppm sulfur and under	– –	– –	-12	90,955	3,450	7,511	– –	-1,885	– –	18,358	85,430	10,490
Greater than 15 to 500 ppm sulfur	– –	– –	–	2,140	–	–	– –	-84	– –	599	1,625	148
Greater than 500 ppm sulfur	– –	– –	–	2,616	3	–	– –	-155	– –	1,919	855	537
Residual Fuel Oil	– –	– –	– –	15,022	2,943	–	– –	-550	– –	4,016	14,499	4,540
Less than 0.31 percent sulfur	– –	– –	– –	346	858	–	– –	366	– –	NA	NA	1,067
0.31 to 1.00 percent sulfur	– –	– –	– –	4,513	2,010	–	– –	-284	– –	NA	NA	570
Greater than 1.00 percent sulfur	– –	– –	– –	10,163	75	–	– –	-632	– –	NA	NA	2,903
Petrochemical Feedstocks	– –	– –	– –	554	178	–	– –	–	– –	914	-182	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	178	–	– –	–	– –	–	178	–
Other Oils for Petro. Feed. Use	– –	– –	– –	554	–	–	– –	–	– –	914	-360	–
Special Naphthas	– –	– –	– –	185	146	–	– –	10	– –	–	321	42
Lubricants	– –	– –	– –	2,370	212	-40	– –	-207	– –	1,690	1,059	820
Waxes	– –	– –	– –	–	78	–	– –	–	– –	30	48	–
Petroleum Coke	– –	– –	– –	26,695	–	363	– –	-197	– –	23,997	3,259	1,067
Marketable	– –	– –	– –	20,608	–	363	– –	-197	– –	23,997	-2,828	1,067
Catalyst	– –	– –	– –	6,087	– –	– –	– –	– –	– –	– –	6,087	– –
Asphalt and Road Oil	– –	– –	– –	5,537	589	3,326	– –	206	– –	183	9,063	2,579
Still Gas	– –	– –	– –	24,614	– –	– –	– –	– –	– –	– –	24,614	– –
Miscellaneous Products	– –	– –	– –	2,702	–	–	– –	-11	– –	1	2,712	67
Total	**172,191**	**0**	**9,733**	**582,319**	**326,090**	**111,323**	**16,411**	**-8,106**	**548,883**	**82,195**	**595,094**	**132,929**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**714**	**49**	**– –**	**– –**	**1,130**	**144**	**84**	**-161**	**2,282**	**0**	**0**
Hydrocarbon Gas Liquids	**56**	**-42**	**0**	**65**	**45**	**22**	**– –**	**18**	**17**	**48**	**62**
Natural Gas Liquids	56	-42	0	58	45	22	– –	15	17	48	58
Ethane	–	– –	– –	–	–	–	– –	–	– –	–	–
Propane	8	-1	– –	32	23	13	– –	12	– –	27	34
Normal Butane	16	-12	–	25	19	7	– –	5	1	20	30
Isobutane	5	-5	–	1	2	2	– –	-2	15	0	-7
Natural Gasoline	27	-25	0	– –	–	–	– –	0	1	1	0
Refinery Olefins	– –	– –	– –	7	–	–	– –	3	– –	– –	4
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	10	–	–	– –	0	– –	– –	10
Normal Butylene	– –	– –	– –	-3	–	–	– –	3	– –	– –	-5
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-7**	**52**	**– –**	**105**	**331**	**-25**	**-6**	**359**	**31**	**73**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	52	– –	29	198	24	7	213	9	73
Hydrogen	– –	– –	– –	– –	–	– –	45	– –	45	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	52	– –	29	198	-22	7	168	9	73
Fuel Ethanol	– –	– –	7	– –	–	171	-22	1	150	5	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	44	– –	29	27	– –	5	18	4	73
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	56	-7	– –	-9	37	14	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	20	140	-49	-4	108	8	0
Reformulated	– –	– –	–	– –	–	54	-9	-6	51	0	0
Conventional	– –	–	0	– –	20	87	-40	2	57	7	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**2**	**2,747**	**135**	**69**	**70**	**10**	**– –**	**301**	**2,711**
Finished Motor Gasoline	– –	– –	2	1,472	22	3	70	-14	– –	27	1,556
Reformulated	– –	– –	–	1,009	–	–	2	0	– –	–	1,011
Conventional	– –	– –	2	463	22	3	68	-14	– –	27	545
Finished Aviation Gasoline	– –	– –	– –	0	0	–	– –	-2	– –	–	1
Kerosene-Type Jet Fuel	– –	– –	1	472	87	8	– –	23	– –	17	527
Kerosene	– –	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	– –	0	422	17	37	– –	-12	– –	96	392
15 ppm sulfur and under	– –	– –	0	405	17	37	– –	-6	– –	94	371
Greater than 15 to 500 ppm sulfur	– –	– –	–	8	–	–	– –	-3	– –	0	11
Greater than 500 ppm sulfur	– –	– –	–	9	0	–	– –	-3	– –	2	10
Residual Fuel Oil	– –	– –	– –	77	3	–	– –	19	– –	11	50
Less than 0.31 percent sulfur	– –	– –	– –	2	–	–	– –	2	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	21	1	–	– –	1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	54	1	–	– –	15	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	6	1	–	– –	–	– –	18	-11
Naphtha for Petro. Feed. Use	– –	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	– –	6	–	–	– –	–	– –	18	-12
Special Naphthas	– –	– –	– –	1	0	–	– –	0	– –	–	2
Lubricants	– –	– –	– –	8	2	0	– –	-7	– –	12	5
Waxes	– –	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	127	–	3	– –	5	– –	120	5
Marketable	– –	– –	– –	96	–	3	– –	5	– –	120	-27
Catalyst	– –	– –	– –	31	– –	– –	– –	– –	– –	– –	31
Asphalt and Road Oil	– –	– –	– –	31	2	18	– –	-3	– –	1	53
Still Gas	– –	– –	– –	119	– –	– –	– –	– –	– –	– –	119
Miscellaneous Products	– –	– –	– –	13	–	–	– –	0	– –	0	13
Total	**770**	**0**	**54**	**2,812**	**1,415**	**565**	**130**	**-139**	**2,658**	**380**	**2,846**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-July 2023
(Thousand Barrels per Day)

Commodity	Supply							Disposition			
	Field Production	Transfers to Crude Oil Supply	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**747**	**59**	**– –**	**– –**	**1,211**	**116**	**35**	**-15**	**2,173**	**11**	**0**
Hydrocarbon Gas Liquids	**65**	**-53**	**0**	**56**	**51**	**30**	**– –**	**5**	**23**	**59**	**61**
Natural Gas Liquids	65	-53	0	50	51	30	– –	4	23	59	57
Ethane	0	– –	– –	–	–	–	– –	–	– –	0	0
Propane	8	-1	– –	30	31	15	– –	3	– –	32	48
Normal Butane	18	-15	–	17	19	12	– –	1	5	27	18
Isobutane	7	-6	–	3	1	3	– –	1	17	0	-10
Natural Gasoline	33	-32	0	– –	–	–	– –	0	1	0	0
Refinery Olefins	– –	– –	– –	6	–	–	– –	1	– –	– –	5
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	7	–	–	– –	0	– –	– –	6
Normal Butylene	– –	– –	– –	-1	–	–	– –	1	– –	– –	-2
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-6**	**44**	**– –**	**126**	**317**	**-13**	**-15**	**393**	**21**	**68**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	44	– –	27	177	43	0	215	9	68
Hydrogen	– –	– –	– –	– –	–	– –	42	– –	42	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	44	– –	27	177	1	0	173	9	68
Fuel Ethanol	– –	– –	4	– –	–	148	1	0	148	6	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	40	– –	27	29	– –	0	25	3	68
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	55	-2	– –	2	38	7	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	43	142	-56	-16	140	6	0
Reformulated	– –	– –	0	– –	4	53	4	-9	70	0	0
Conventional	– –	–	0	– –	40	88	-60	-7	69	6	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**2**	**2,691**	**150**	**62**	**55**	**-14**	**– –**	**296**	**2,678**
Finished Motor Gasoline	– –	– –	2	1,445	22	3	55	-3	– –	30	1,500
Reformulated	– –	– –	–	1,005	–	–	0	0	– –	–	1,004
Conventional	– –	– –	2	441	22	3	56	-3	– –	30	496
Finished Aviation Gasoline	– –	– –	– –	1	0	–	– –	-1	– –	–	1
Kerosene-Type Jet Fuel	– –	– –	0	427	92	7	– –	3	– –	22	501
Kerosene	– –	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	– –	0	451	16	35	– –	-10	– –	98	415
15 ppm sulfur and under	– –	– –	0	429	16	35	– –	-9	– –	87	403
Greater than 15 to 500 ppm sulfur	– –	– –	–	10	–	–	– –	0	– –	3	8
Greater than 500 ppm sulfur	– –	– –	–	12	0	–	– –	-1	– –	9	4
Residual Fuel Oil	– –	– –	– –	71	14	–	– –	-3	– –	19	68
Less than 0.31 percent sulfur	– –	– –	– –	2	4	–	– –	2	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	21	9	–	– –	-1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	48	0	–	– –	-3	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	3	1	–	– –	–	– –	4	-1
Naphtha for Petro. Feed. Use	– –	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	– –	3	–	–	– –	–	– –	4	-2
Special Naphthas	– –	– –	– –	1	1	–	– –	0	– –	–	2
Lubricants	– –	– –	– –	11	1	0	– –	-1	– –	8	5
Waxes	– –	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	126	–	2	– –	-1	– –	113	15
Marketable	– –	– –	– –	97	–	2	– –	-1	– –	113	-13
Catalyst	– –	– –	– –	29	– –	– –	– –	– –	– –	– –	29
Asphalt and Road Oil	– –	– –	– –	26	3	16	– –	1	– –	1	43
Still Gas	– –	– –	– –	116	– –	– –	– –	– –	– –	– –	116
Miscellaneous Products	– –	– –	– –	13	–	–	– –	0	– –	0	13
Total	**812**	**0**	**46**	**2,747**	**1,538**	**525**	**77**	**-38**	**2,589**	**388**	**2,807**

– – = 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 transfers to crude oil supply, 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.
Data source: 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 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, July 2023
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,065	55,912	294,037	28,577	22,137	402,727	12,991
Alaskan	– –	– –	– –	– –	– –	12,308	397
Lower 48 States	– –	– –	– –	– –	– –	390,419	12,594
Transfers to Crude Oil Supply	3,552	3,165	10,377	500	1,524	19,118	617
Imports (PAD District of Entry)	17,262	84,792	45,801	12,003	35,041	194,899	6,287
Commercial	17,262	84,792	45,801	12,003	35,041	194,899	6,287
Strategic Petroleum Reserve (SPR)	–	–	–	–	–	–	–
Net Receipts	1,556	-25,387	40,534	-21,156	4,453	–	–
Adjustments[1]	-3,587	2,330	2,557	-1,896	2,615	2,019	65
Disposition							
Stock Change[2]	303	-7,389	-1,774	-811	-4,981	-14,652	-473
Commercial	303	-7,389	-2,070	-811	-4,981	-14,948	-482
SPR	–	–	296	–	–	296	10
Refinery Inputs	20,546	125,149	279,257	18,838	70,751	514,541	16,598
Exports	0	3,051	115,823	–	0	118,874	3,835
Ending Stocks							
Total	7,796	118,901	591,716	24,034	44,793	787,240	– –
Commercial	7,796	118,901	244,262	24,034	44,793	439,786	– –
Refinery	6,391	13,364	45,102	2,509	17,890	85,256	– –
Tank Farms and Pipelines	1,405	105,537	199,160	21,525	23,554	351,181	– –
Cushing, Oklahoma	– –	33,962	– –	– –	– –	33,962	– –
Lease	– –	– –	– –	– –	– –	– –	– –
Alaskan Crude Oil In-Transit by Water	– –	– –	– –	– –	3,349	3,349	– –
SPR	–	–	347,454	–	–	347,454	– –
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	– –	– –	– –	– –	– –	44.1	– –
Percent of Total Petroleum Stocks (Percent)	– –	– –	– –	– –	– –	21.5	– –
Days of Total Petroleum Net Imports (Days)	– –	– –	– –	– –	– –	– –	– –
SPR Receipts Detail							
Receipts	–	–	695	–	–	695	22
Domestic	–	–	695	–	–	695	22
Imports	–	–	–	–	–	–	–
Imported by SPR	–	–	–	–	–	–	–
Imported for SPR by Others	–	–	–	–	–	–	–
Imports							
PAD District of Entry	17,262	84,792	45,801	12,003	35,041	194,899	6,287
PAD District of Processing	17,262	81,730	53,108	7,399	35,400	194,899	6,287

– – = 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.
Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, July 2023
(Thousand Barrels)

PAD District and State	July 2023		January-July 2023	
	Total	Daily Average	Total	Daily Average
PAD District 1	**2,065**	**67**	**14,864**	**70**
Florida	95	3	541	3
New York	23	1	154	1
Pennsylvania	381	12	2,779	13
Virginia	0	0	2	0
West Virginia	1,567	51	11,387	54
PAD District 2	**55,912**	**1,804**	**373,188**	**1,760**
Illinois	548	18	3,995	19
Indiana	126	4	893	4
Kansas	2,299	74	16,109	76
Kentucky	53	2	996	5
Michigan	401	13	2,634	12
Missouri	6	0	39	0
Nebraska	125	4	887	4
North Dakota	36,386	1,174	237,239	1,119
Ohio	2,308	74	17,391	82
Oklahoma	13,584	438	92,400	436
South Dakota	66	2	537	3
Tennessee	9	0	68	0
PAD District 3	**294,037**	**9,485**	**1,960,899**	**9,250**
Alabama	307	10	2,076	10
Arkansas	345	11	2,506	12
Louisiana	2,891	93	20,426	96
Mississippi	1,026	33	7,238	34
New Mexico	55,208	1,781	383,562	1,809
Texas	174,461	5,628	1,156,365	5,455
Federal Offshore PAD District 3	59,798	1,929	388,726	1,834
PAD District 4	**28,577**	**922**	**191,847**	**905**
Colorado	14,003	452	93,960	443
Idaho	1	0	16	0
Montana	1,808	58	13,474	64
Utah	4,633	149	30,210	143
Wyoming	8,132	262	54,187	256
PAD District 5	**22,137**	**714**	**158,340**	**747**
Alaska	12,308	397	91,260	430
South Alaska	254	8	1,812	9
North Slope	12,054	389	89,447	422
Arizona	1	0	3	0
California	9,546	308	65,470	309
Nevada	17	1	126	1
Federal Offshore PAD District 5	266	9	1,481	7
U.S. Total	**402,727**	**12,991**	**2,699,138**	**12,732**

⁻ = 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.
Data source: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	**8**	**22,103**	**22,111**	**5,584**	**13,659**	**17,095**	**36,338**
Natural Gas Liquids	8	22,103	22,111	5,584	13,659	17,095	36,338
Ethane	–	9,457	9,457	1,975	3,278	6,945	12,198
Propane	3	7,215	7,218	2,271	5,242	5,401	12,914
Normal Butane	5	2,216	2,221	614	2,269	1,757	4,640
Isobutane	–	957	957	358	708	974	2,040
Natural Gasoline	–	2,258	2,258	366	2,162	2,018	4,546

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	**99,197**	**5,044**	**5,387**	**360**	**12,280**	**122,268**	**17,369**	**1,721**	**199,807**
Natural Gas Liquids	99,197	5,044	5,387	360	12,280	122,268	17,369	1,721	199,807
Ethane	42,725	2,525	2,168	55	5,024	52,497	5,524	–	79,676
Propane	29,481	1,279	1,785	109	3,706	36,360	5,856	235	62,583
Normal Butane	10,875	-3,288	612	51	1,355	9,605	2,338	501	19,305
Isobutane	4,633	4,067	324	38	639	9,701	1,044	146	13,888
Natural Gasoline	11,483	461	498	107	1,556	14,105	2,607	839	24,355

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	**5**	**248**	**253**	**1,152**	**116**	**537**	**1,805**
Natural Gas Liquids	5	248	253	1,152	116	537	1,805
Ethane	–	–	–	33	1	143	177
Propane	2	121	123	677	48	190	915
Normal Butane	3	40	43	230	21	86	337
Isobutane	–	23	23	72	4	39	115
Natural Gasoline	–	64	64	140	42	79	261

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	**165**	**242**	**2,005**	**10**	**1**	**2,423**	**182**	**425**	**5,088**
Natural Gas Liquids	165	242	2,005	10	1	2,423	182	425	5,088
Ethane	9	20	–	1	–	30	5	–	212
Propane	36	44	73	3	–	156	84	109	1,387
Normal Butane	23	35	1,014	3	–	1,075	32	260	1,747
Isobutane	58	18	381	1	–	458	17	24	637
Natural Gasoline	39	125	537	2	1	704	44	32	1,105

– = No Data Reported.
Note: Refer to Appendix A for Refining District descriptions.
Data source: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	**17,404**	**3,142**	**20,546**	**80,075**	**17,252**	**27,822**	**125,149**
Hydrocarbon Gas Liquids	**201**	**–**	**201**	**2,048**	**85**	**874**	**3,007**
Natural Gas Liquids	201	–	201	2,048	85	874	3,007
Normal Butane	36	–	36	4	6	20	30
Isobutane	121	–	121	1,379	79	476	1,934
Natural Gasoline	44	–	44	665	–	378	1,043
Other Liquids	**86,940**	**6,297**	**93,237**	**6,776**	**3,518**	**3,105**	**13,399**
Hydrogen/Biofuels/Other Hydrocarbons	9,848	845	10,693	5,647	1,682	2,030	9,359
Hydrogen	84	14	98	682	296	203	1,181
Biofuels (including Fuel Ethanol)	9,764	831	10,595	4,951	1,386	1,827	8,164
Fuel Ethanol	9,515	733	10,248	4,797	1,164	1,666	7,627
Biodiesel	244	98	342	154	222	87	463
Renewable Diesel Fuel	5	–	5	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	74	74
Other Hydrocarbons	–	–	–	14	–	–	14
Unfinished Oils (net)	1,791	-60	1,731	-844	-63	-119	-1,026
Naphthas and Lighter	418	-30	388	351	-41	-116	194
Kerosene and Light Gas Oils	271	–	271	-546	267	53	-226
Heavy Gas Oils	-45	-31	-76	-645	-289	77	-857
Residuum	1,147	1	1,148	-4	–	-133	-137
Motor Gasoline Blend.Comp. (MGBC)(net)	75,301	5,512	80,813	1,973	1,899	1,194	5,066
Reformulated - RBOB	15,619	–	15,619	-753	1,282	878	1,407
Conventional	59,682	5,512	65,194	2,726	617	316	3,659
CBOB	46,474	5,515	51,989	3,091	483	393	3,967
GTAB	5,483	–	5,483	–	–	–	–
Other	7,725	-3	7,722	-365	134	-77	-308
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**104,545**	**9,439**	**113,984**	**88,899**	**20,855**	**31,801**	**141,555**

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**21,453**	**153,514**	**94,091**	**7,883**	**2,316**	**279,257**	**18,838**	**70,751**	**514,541**
Hydrocarbon Gas Liquids	**440**	**7,049**	**2,705**	**35**	**85**	**10,314**	**486**	**518**	**14,526**
Natural Gas Liquids	440	7,049	2,705	35	85	10,314	486	518	14,526
Normal Butane	152	1,217	447	2	–	1,818	142	42	2,068
Isobutane	244	2,566	1,539	31	85	4,465	146	457	7,123
Natural Gasoline	44	3,266	719	2	–	4,031	198	19	5,335
Other Liquids	**10,387**	**-48,954**	**-27,976**	**7,098**	**260**	**-59,185**	**2,397**	**11,114**	**60,962**
Hydrogen/Biofuels/Other Hydrocarbons	2,315	3,443	2,100	1,103	220	9,181	1,291	6,616	37,140
Hydrogen	106	2,471	1,504	69	40	4,190	213	1,405	7,087
Biofuels (including Fuel Ethanol)	2,209	972	596	1,034	180	4,991	1,078	5,211	30,039
Fuel Ethanol	2,130	892	502	1,014	150	4,688	1,010	4,653	28,226
Biodiesel	79	76	49	20	10	234	50	326	1,415
Renewable Diesel Fuel	–	–	–	–	–	–	–	230	235
Other Biofuels[1]	–	4	45	–	20	69	18	2	163
Other Hydrocarbons	–	–	–	–	–	–	–	–	14
Unfinished Oils (net)	-494	-5,586	7,451	-167	35	1,239	-3	1,152	3,093
Naphthas and Lighter	-357	-9,028	765	-10	82	-8,548	145	-147	-7,968
Kerosene and Light Gas Oils	-55	-2,154	-559	12	-7	-2,763	-98	-261	-3,077
Heavy Gas Oils	-66	1,516	6,692	-12	-40	8,090	-8	1,859	9,008
Residuum	-16	4,080	553	-157	–	4,460	-42	-299	5,130
Motor Gasoline Blend.Comp. (MGBC)(net)	8,552	-46,811	-37,538	6,162	5	-69,630	1,109	3,346	20,704
Reformulated - RBOB	6,415	-12,428	-6,948	8	-368	-13,321	–	1,594	5,299
Conventional	2,137	-34,383	-30,590	6,154	373	-56,309	1,109	1,752	15,405
CBOB	2,381	-29,198	-29,971	6,163	350	-50,275	978	814	7,473
GTAB	–	–	–	–	–	–	–	–	5,483
Other	-244	-5,185	-619	-9	23	-6,034	131	938	2,449
Aviation Gasoline Blend. Comp. (net)	14	–	11	–	–	25	–	–	25
Total Input	**32,280**	**111,609**	**68,820**	**15,016**	**2,661**	**230,386**	**21,721**	**82,383**	**590,029**

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

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	676	76	752	4,480	597	817	5,894
Natural Gas Liquids	588	76	664	3,679	446	632	4,757
Ethane	–	–	–	–	–	–	–
Propane	318	32	350	1,786	266	523	2,575
Normal Butane	284	73	357	2,106	224	161	2,491
Isobutane	-14	-29	-43	-213	-44	-52	-309
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	88	–	88	801	151	185	1,137
Ethylene	1	–	1	–	–	–	–
Propylene	88	–	88	670	151	201	1,022
Normal Butylene	-2	–	-2	131	–	-16	115
Isobutylene	1	–	1	–	–	–	–
Finished Motor Gasoline	93,619	7,322	100,941	49,153	11,030	17,314	77,497
Reformulated	36,492	50	36,542	7,738	1,429	976	10,143
Reformulated Blended with Fuel Ethanol	36,487	50	36,537	7,738	1,428	976	10,142
Reformulated Other	5	–	5	–	1	–	1
Conventional	57,127	7,272	64,399	41,415	9,601	16,338	67,354
Conventional Blended with Fuel Ethanol	57,525	7,269	64,794	39,507	9,685	14,507	63,699
Ed55 and Lower	57,451	7,269	64,720	39,485	9,631	14,359	63,475
Greater than Ed55	74	–	74	22	54	148	224
Conventional Other	-398	3	-395	1,908	-84	1,831	3,655
Finished Aviation Gasoline	–	–	–	–	55	–	55
Kerosene-Type Jet Fuel	2,644	–	2,644	6,646	1,139	1,059	8,844
Kerosene	235	–	235	110	–	37	147
Distillate Fuel Oil	5,150	875	6,025	20,825	5,759	10,896	37,480
15 ppm sulfur and under	5,220	872	6,092	20,902	5,714	10,959	37,575
Greater than 15 ppm to 500 ppm sulfur	17	–	17	–	–	60	60
Greater than 500 ppm sulfur	-87	3	-84	-77	45	-123	-155
Residual Fuel Oil	949	7	956	669	186	154	1,009
Less than 0.31 percent sulfur	–	6	6	56	–	–	56
0.31 to 1.00 percent sulfur	659	1	660	235	85	39	359
Greater than 1.00 percent sulfur	290	–	290	378	101	115	594
Petrochemical Feedstocks	–	12	12	883	–	–	883
Naphtha for Petro. Feed. Use	–	–	–	485	–	–	485
Other Oils for Petro. Feed. Use	–	12	12	398	–	–	398
Special Naphthas	–	14	14	-47	–	14	-33
Lubricants	100	215	315	–	–	219	219
Waxes	–	14	14	–	–	21	21
Petroleum Coke	485	21	506	4,054	1,216	839	6,109
Marketable	198	–	198	3,037	1,043	579	4,659
Catalyst	287	21	308	1,017	173	260	1,450
Asphalt and Road Oil	485	749	1,234	3,149	1,600	433	5,182
Still Gas	828	69	897	3,181	642	1,079	4,902
Miscellaneous Products	47	23	70	329	125	56	510
Total	**105,218**	**9,397**	**114,615**	**93,432**	**22,349**	**32,938**	**148,719**
Processing Gain(-) or Loss(+)[1]	-673	42	-631	-4,533	-1,494	-1,137	-7,164

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	988	9,116	5,730	86	37	15,957	480	2,015	25,098
Natural Gas Liquids	604	5,787	3,495	53	37	9,976	395	1,804	17,596
Ethane	3	198	25	–	–	226	–	–	226
Propane	272	2,390	2,127	7	21	4,817	258	977	8,977
Normal Butane	315	3,658	1,225	46	16	5,260	171	785	9,064
Isobutane	14	-459	118	–	–	-327	-34	42	-671
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	384	3,329	2,235	33	–	5,981	85	211	7,502
Ethylene	–	11	–	–	–	11	–	–	12
Propylene	382	3,662	2,395	33	–	6,472	20	298	7,900
Normal Butylene	2	-344	-160	–	–	-502	65	-87	-411
Isobutylene	–	–	–	–	–	–	–	–	1
Finished Motor Gasoline	21,603	25,707	10,462	9,542	1,519	68,833	11,717	45,632	304,620
Reformulated	7,522	6,854	–	–	–	14,376	–	31,291	92,352
Reformulated Blended with Fuel Ethanol	7,520	6,853	–	–	–	14,373	–	31,291	92,343
Reformulated Other	2	1	–	–	–	3	–	–	9
Conventional	14,081	18,853	10,462	9,542	1,519	54,457	11,717	14,341	212,268
Conventional Blended with Fuel Ethanol	13,569	1,862	4,998	10,018	1,490	31,937	9,821	14,670	184,921
Ed55 and Lower	13,561	1,861	4,998	9,999	1,489	31,908	9,792	14,657	184,552
Greater than Ed55	8	1	–	19	1	29	29	13	369
Conventional Other	512	16,991	5,464	-476	29	22,520	1,896	-329	27,347
Finished Aviation Gasoline	86	87	187	–	–	360	7	-11	411
Kerosene-Type Jet Fuel	1,580	15,779	10,294	178	0	27,831	1,234	14,620	55,173
Kerosene	2	167	0	1	–	170	–	0	552
Distillate Fuel Oil	6,616	47,152	34,581	2,845	915	92,109	6,113	13,076	154,803
15 ppm sulfur and under	6,679	46,390	31,135	2,758	915	87,877	6,180	12,563	150,287
Greater than 15 ppm to 500 ppm sulfur	-63	-19	2,528	44	–	2,490	-43	247	2,771
Greater than 500 ppm sulfur	–	781	918	43	–	1,742	-24	266	1,745
Residual Fuel Oil	252	2,327	893	-14	45	3,503	351	2,380	8,199
Less than 0.31 percent sulfur	254	–	–	–	–	254	195	58	569
0.31 to 1.00 percent sulfur	-2	753	184	-14	–	921	29	657	2,626
Greater than 1.00 percent sulfur	0	1,574	709	–	45	2,328	127	1,665	5,004
Petrochemical Feedstocks	125	2,577	2,820	–	46	5,568	78	191	6,732
Naphtha for Petro. Feed. Use	124	1,667	1,535	–	–	3,326	–	–	3,811
Other Oils for Petro. Feed. Use	1	910	1,285	–	46	2,242	78	191	2,921
Special Naphthas	76	650	–	215	–	941	–	33	955
Lubricants	16	1,628	1,535	813	–	3,992	–	244	4,770
Waxes	–	43	63	20	–	126	–	–	161
Petroleum Coke	444	9,291	5,009	172	19	14,935	738	3,942	26,230
Marketable	204	7,360	3,959	156	–	11,679	524	2,967	20,027
Catalyst	240	1,931	1,050	16	19	3,256	214	975	6,203
Asphalt and Road Oil	231	499	654	1,097	38	2,519	1,080	952	10,967
Still Gas	900	6,580	3,825	368	73	11,746	652	3,693	21,890
Miscellaneous Products	133	1,087	519	19	9	1,767	65	398	2,810
Total	**33,052**	**122,690**	**76,572**	**15,342**	**2,701**	**250,357**	**22,515**	**87,165**	**623,371**
Processing Gain(-) or Loss(+)[1]	-772	-11,081	-7,752	-326	-40	-19,971	-794	-4,782	-33,342

– = No Data Reported.
[1] Represents the arithmetic difference between input and production.
Note: Refer to Appendix A for Refining District descriptions.
Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	**17,404**	**3,142**	**20,546**	**80,075**	**17,252**	**27,822**	**125,149**
Hydrocarbon Gas Liquids	**121**	**–**	**121**	**2,043**	**79**	**806**	**2,928**
Natural Gas Liquids	121	–	121	2,043	79	806	2,928
Normal Butane	–	–	–	1	–	–	1
Isobutane	121	–	121	1,379	79	476	1,934
Natural Gasoline	–	–	–	663	–	330	993
Other Liquids	**-6,168**	**99**	**-6,069**	**-38,206**	**-5,570**	**-10,785**	**-54,561**
Hydrogen/Biofuels/Other Hydrocarbons	152	163	315	914	546	450	1,910
Hydrogen	84	14	98	682	296	203	1,181
Biofuels (including Fuel Ethanol)	68	149	217	218	250	247	715
Fuel Ethanol	68	115	183	181	178	148	507
Biodiesel	–	34	34	37	72	25	134
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	74	74
Other Hydrocarbons	–	–	–	14	–	–	14
Unfinished Oils (net)	1,791	-60	1,731	-844	-63	-119	-1,026
Naphthas and Lighter	418	-30	388	351	-41	-116	194
Kerosene and Light Gas Oils	271	–	271	-546	267	53	-226
Heavy Gas Oils	-45	-31	-76	-645	-289	77	-857
Residuum	1,147	1	1,148	-4	–	-133	-137
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,111	-4	-8,115	-38,276	-6,053	-11,116	-55,445
Reformulated - RBOB	-5,287	–	-5,287	-7,633	–	–	-7,633
Conventional	-2,824	-4	-2,828	-30,643	-6,053	-11,116	-47,812
CBOB	-2,518	-1	-2,519	-30,273	-6,099	-11,039	-47,411
GTAB	–	–	–	–	–	–	–
Other	-306	-3	-309	-370	46	-77	-401
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**11,357**	**3,241**	**14,598**	**43,912**	**11,761**	**17,843**	**73,516**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	607	101	708	2,581	566	896	4,043
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operable Utilization Rate (percent)[2]	77.9	103.2	80.7	94.5	103.1	96.5	96.1
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	120	16	135	495	81	165	742
Catalytic Cracking	169	17	186	762	147	217	1,126
Catalytic Hydrocracking	42	–	42	192	61	44	297
Delayed and Fluid Coking	31	–	31	342	74	77	493
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.89	1.78	1.03	1.62	1.83	0.58	1.42
API Gravity, Weighted Average (degrees)	35.77	31.71	35.15	33.51	28.09	39.25	33.98
Operable Capacity (daily average)	**780**	**98**	**878**	**2,731**	**549**	**928**	**4,208**
Operating	780	98	878	2,731	549	928	4,208
Idle	–	–	–	–	–	–	–
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**21,453**	**153,514**	**94,091**	**7,883**	**2,316**	**279,257**	**18,838**	**70,751**	**514,541**
Hydrocarbon Gas Liquids	**436**	**4,384**	**2,682**	**32**	**85**	**7,619**	**456**	**515**	**11,639**
Natural Gas Liquids	436	4,384	2,682	32	85	7,619	456	515	11,639
Normal Butane	152	1,061	424	–	–	1,637	133	39	1,810
Isobutane	244	2,566	1,539	31	85	4,465	145	457	7,122
Natural Gasoline	40	757	719	1	–	1,517	178	19	2,707
Other Liquids	**-8,652**	**-57,820**	**-31,023**	**-1,902**	**-1,101**	**-100,498**	**-4,440**	**-32,146**	**-197,714**
Hydrogen/Biofuels/Other Hydrocarbons	357	2,525	1,794	125	71	4,872	559	1,661	9,317
Hydrogen	106	2,471	1,504	69	40	4,190	213	1,405	7,087
Biofuels (including Fuel Ethanol)	251	54	290	56	31	682	346	256	2,216
Fuel Ethanol	199	50	196	55	6	506	287	126	1,609
Biodiesel	52	–	49	1	5	107	41	17	333
Renewable Diesel Fuel	–	–	–	–	–	–	–	111	111
Other Biofuels[1]	–	4	45	–	20	69	18	2	163
Other Hydrocarbons	–	–	–	–	–	–	–	–	14
Unfinished Oils (net)	-494	-5,586	7,451	-167	35	1,239	-3	1,152	3,093
Naphthas and Lighter	-357	-9,028	765	-10	82	-8,548	145	-147	-7,968
Kerosene and Light Gas Oils	-55	-2,154	-559	12	-7	-2,763	-98	-261	-3,077
Heavy Gas Oils	-66	1,516	6,692	-12	-40	8,090	-8	1,859	9,008
Residuum	-16	4,080	553	-157	–	4,460	-42	-299	5,130
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,529	-54,759	-40,279	-1,860	-1,207	-106,634	-4,996	-34,959	-210,149
Reformulated - RBOB	-485	-18,377	-6,948	–	-368	-26,178	–	-25,432	-64,530
Conventional	-8,044	-36,382	-33,331	-1,860	-839	-80,456	-4,996	-9,527	-145,619
CBOB	-7,800	-27,900	-32,183	-1,851	-828	-70,562	-5,126	-9,949	-135,567
GTAB	–	–	–	–	–	–	–	–	–
Other	-244	-8,482	-1,148	-9	-11	-9,894	130	422	-10,052
Aviation Gasoline Blend. Comp. (net)	14	–	11	–	–	25	–	–	25
Total Input to Refineries	**13,237**	**100,078**	**65,750**	**6,013**	**1,300**	**186,378**	**14,854**	**39,120**	**328,466**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	696	5,149	3,184	222	75	9,326	612	2,446	17,136
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operable Utilization Rate (percent)[2]	93.6	94.1	95.6	85.4	67.9	94.1	94.1	93.4	93.8
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	160	737	603	41	17	1,558	94	394	2,923
Catalytic Cracking	182	1,329	909	16	19	2,455	162	687	4,616
Catalytic Hydrocracking	49	578	473	18	7	1,125	16	411	1,891
Delayed and Fluid Coking	28	809	516	32	–	1,384	61	386	2,354
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.65	1.51	1.39	1.44	1.05	1.37	1.42	1.29	1.36
API Gravity, Weighted Average (degrees)	39.74	33.72	30.63	32.29	37.83	33.32	31.41	28.54	32.86
Operable Capacity (daily average)	**744**	**5,472**	**3,330**	**260**	**110**	**9,917**	**650**	**2,620**	**18,272**
Operating	744	5,472	3,195	260	110	9,781	641	2,620	18,127
Idle	–	–	136	–	–	136	10	–	145
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**14,604**	**14,604**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	676	76	752	4,480	597	817	5,894
Natural Gas Liquids	588	76	664	3,679	446	632	4,757
Ethane	–	–	–	–	–	–	–
Propane	318	32	350	1,786	266	523	2,575
Normal Butane	284	73	357	2,106	224	161	2,491
Isobutane	-14	-29	-43	-213	-44	-52	-309
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	88	–	88	801	151	185	1,137
Ethylene	1	–	1	–	–	–	–
Propylene	88	–	88	670	151	201	1,022
Normal Butylene	-2	–	-2	131	–	-16	115
Isobutylene	1	–	1	–	–	–	–
Finished Motor Gasoline	677	1,186	1,863	4,251	2,084	3,420	9,755
Reformulated	677	–	677	–	–	–	–
Reformulated Blended with Fuel Ethanol	677	–	677	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	1,186	1,186	4,251	2,084	3,420	9,755
Conventional Blended with Fuel Ethanol	–	1,143	1,143	1,843	1,706	1,555	5,104
Ed55 and Lower	–	1,143	1,143	1,843	1,706	1,555	5,104
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	43	43	2,408	378	1,865	4,651
Finished Aviation Gasoline	–	–	–	–	55	–	55
Kerosene-Type Jet Fuel	2,644	–	2,644	6,677	1,143	1,062	8,882
Kerosene	235	–	235	110	–	37	147
Distillate Fuel Oil	4,904	813	5,717	20,712	5,611	10,839	37,162
15 ppm sulfur and under	4,984	810	5,794	20,789	5,566	10,901	37,256
Greater than 15 ppm to 500 ppm sulfur	6	–	6	–	–	-37	-37
Greater than 500 ppm sulfur	-86	3	-83	-77	45	-25	-57
Residual Fuel Oil	949	7	956	669	186	154	1,009
Less than 0.31 percent sulfur	–	6	6	56	–	–	56
0.31 to 1.00 percent sulfur	659	1	660	235	85	39	359
Greater than 1.00 percent sulfur	290	–	290	378	101	115	594
Petrochemical Feedstocks	–	12	12	883	–	–	883
Naphtha for Petro. Feed. Use	–	–	–	485	–	–	485
Other Oils for Petro. Feed. Use	–	12	12	398	–	–	398
Special Naphthas	–	14	14	-47	–	14	-33
Lubricants	100	215	315	–	–	219	219
Waxes	–	14	14	–	–	21	21
Petroleum Coke	485	21	506	4,054	1,216	839	6,109
Marketable	198	–	198	3,037	1,043	579	4,659
Catalyst	287	21	308	1,017	173	260	1,450
Asphalt and Road Oil	485	749	1,234	3,149	1,596	426	5,171
Still Gas	828	69	897	3,181	642	1,079	4,902
Miscellaneous Products	47	23	70	329	125	56	510
Total	**12,030**	**3,199**	**15,229**	**48,448**	**13,255**	**18,983**	**80,686**
Processing Gain(-) or Loss(+)[1]	-673	42	-631	-4,536	-1,494	-1,140	-7,170

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	988	9,116	5,730	86	37	15,957	480	2,015	25,098
Natural Gas Liquids	604	5,787	3,495	53	37	9,976	395	1,804	17,596
Ethane	3	198	25	–	–	226	–	–	226
Propane	272	2,390	2,127	7	21	4,817	258	977	8,977
Normal Butane	315	3,658	1,225	46	16	5,260	171	785	9,064
Isobutane	14	-459	118	–	–	-327	-34	42	-671
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	384	3,329	2,235	33	–	5,981	85	211	7,502
Ethylene	–	11	–	–	–	11	–	–	12
Propylene	382	3,662	2,395	33	–	6,472	20	298	7,900
Normal Butylene	2	-344	-160	–	–	-502	65	-87	-411
Isobutylene	–	–	–	–	–	–	–	–	1
Finished Motor Gasoline	2,587	14,252	7,390	557	163	24,949	4,858	2,771	44,196
Reformulated	–	–	–	–	–	–	–	622	1,299
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	622	1,299
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	2,587	14,252	7,390	557	163	24,949	4,858	2,149	42,897
Conventional Blended with Fuel Ethanol	2,032	501	1,954	541	66	5,094	2,866	626	14,833
Ed55 and Lower	2,032	501	1,954	541	66	5,094	2,866	626	14,833
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	555	13,751	5,436	16	97	19,855	1,992	1,523	28,064
Finished Aviation Gasoline	86	87	187	–	–	360	7	-11	411
Kerosene-Type Jet Fuel	1,580	15,779	10,288	178	–	27,825	1,107	14,620	55,078
Kerosene	2	167	0	1	–	170	–	0	552
Distillate Fuel Oil	6,590	47,075	34,587	2,827	910	91,989	6,230	12,677	153,775
15 ppm sulfur and under	6,653	46,313	31,141	2,740	910	87,757	6,297	12,167	149,271
Greater than 15 ppm to 500 ppm sulfur	-63	-19	2,528	44	–	2,490	-43	247	2,663
Greater than 500 ppm sulfur	–	781	918	43	–	1,742	-24	263	1,841
Residual Fuel Oil	252	2,327	893	-14	45	3,503	351	2,380	8,199
Less than 0.31 percent sulfur	254	–	–	–	–	254	195	58	569
0.31 to 1.00 percent sulfur	-2	753	184	-14	–	921	29	658	2,627
Greater than 1.00 percent sulfur	0	1,574	709	–	45	2,328	127	1,664	5,003
Petrochemical Feedstocks	125	2,577	2,820	–	46	5,568	78	191	6,732
Naphtha for Petro. Feed. Use	124	1,667	1,535	–	–	3,326	–	–	3,811
Other Oils for Petro. Feed. Use	1	910	1,285	–	46	2,242	78	191	2,921
Special Naphthas	76	650	–	215	–	941	–	33	955
Lubricants	16	1,628	1,535	813	–	3,992	–	244	4,770
Waxes	–	43	63	20	–	126	–	–	161
Petroleum Coke	444	9,291	5,009	172	19	14,935	738	3,942	26,230
Marketable	204	7,360	3,959	156	–	11,679	524	2,967	20,027
Catalyst	240	1,931	1,050	16	19	3,256	214	975	6,203
Asphalt and Road Oil	231	499	654	1,097	38	2,519	1,080	952	10,956
Still Gas	900	6,580	3,825	368	73	11,746	652	3,693	21,890
Miscellaneous Products	133	1,087	519	19	9	1,767	65	398	2,810
Total	**14,010**	**111,158**	**73,500**	**6,339**	**1,340**	**206,347**	**15,646**	**43,905**	**361,813**
Processing Gain(-) or Loss(+)[1]	-773	-11,080	-7,750	-326	-40	-19,969	-792	-4,785	-33,347

– = No Data Reported.
[1] Represents the arithmetic difference between input and production.
Note: Refer to Appendix A for Refining District descriptions.
Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, July 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	**80**	**–**	**80**	**5**	**6**	**68**	**79**
Natural Gas Liquids	80	–	80	5	6	68	79
Normal Butane	36	–	36	3	6	20	29
Isobutane	–	–	–	–	–	–	–
Natural Gasoline	44	–	44	2	–	48	50
Other Liquids	**93,108**	**6,198**	**99,306**	**44,982**	**9,088**	**13,890**	**67,960**
Oxygenates/Renewables	9,696	682	10,378	4,733	1,136	1,580	7,449
Biofuels (including Fuel Ethanol)	9,696	682	10,378	4,733	1,136	1,580	7,449
Fuel Ethanol	9,447	618	10,065	4,616	986	1,518	7,120
Biodiesel	244	64	308	117	150	62	329
Renewable Diesel Fuel	5	–	5	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	–	–	–	–
Naphthas and Lighter	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	83,412	5,516	88,928	40,249	7,952	12,310	60,511
Reformulated - RBOB	20,906	–	20,906	6,880	1,282	878	9,040
Conventional	62,506	5,516	68,022	33,369	6,670	11,432	51,471
CBOB	48,992	5,516	54,508	33,364	6,582	11,432	51,378
GTAB	5,483	–	5,483	–	–	–	–
Other	8,031	–	8,031	5	88	–	93
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**93,188**	**6,198**	**99,386**	**44,987**	**9,094**	**13,958**	**68,039**

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	**4**	**2,665**	**23**	**3**	**–**	**2,695**	**30**	**3**	**2,887**
Natural Gas Liquids	4	2,665	23	3	–	2,695	30	3	2,887
Normal Butane	–	156	23	2	–	181	9	3	258
Isobutane	–	–	–	–	–	–	1	–	1
Natural Gasoline	4	2,509	–	1	–	2,514	20	–	2,628
Other Liquids	**19,039**	**8,866**	**3,047**	**9,000**	**1,361**	**41,313**	**6,837**	**43,260**	**258,676**
Oxygenates/Renewables	1,958	918	306	978	149	4,309	732	4,955	27,823
Biofuels (including Fuel Ethanol)	1,958	918	306	978	149	4,309	732	4,955	27,823
Fuel Ethanol	1,931	842	306	959	144	4,182	723	4,527	26,617
Biodiesel	27	76	–	19	5	127	9	309	1,082
Renewable Diesel Fuel	–	–	–	–	–	–	–	119	124
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	–	–	–	–	–	–
Naphthas and Lighter	–	–	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	17,081	7,948	2,741	8,022	1,212	37,004	6,105	38,305	230,853
Reformulated - RBOB	6,900	5,949	–	8	–	12,857	–	27,026	69,829
Conventional	10,181	1,999	2,741	8,014	1,212	24,147	6,105	11,279	161,024
CBOB	10,181	-1,298	2,212	8,014	1,178	20,287	6,104	10,763	143,040
GTAB	–	–	–	–	–	–	–	–	5,483
Other	–	3,297	529	–	34	3,860	1	516	12,501
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–	–	–
Total Input	**19,043**	**11,531**	**3,070**	**9,003**	**1,361**	**44,008**	**6,867**	**43,263**	**261,563**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, July 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	92,942	6,136	99,078	44,902	8,946	13,894	67,742
Reformulated	35,815	50	35,865	7,738	1,429	976	10,143
Reformulated Blended with Fuel Ethanol	35,810	50	35,860	7,738	1,428	976	10,142
Reformulated Other	5	–	5	–	1	–	1
Conventional	57,127	6,086	63,213	37,164	7,517	12,918	57,599
Conventional Blended with Fuel Ethanol	57,525	6,126	63,651	37,664	7,979	12,952	58,595
Ed55 and Lower	57,451	6,126	63,577	37,642	7,925	12,804	58,371
Greater than Ed55	74	–	74	22	54	148	224
Conventional Other	-398	-40	-438	-500	-462	-34	-996
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	–	0	-31	-4	-3	-38
Kerosene	–	–	–	–	–	–	–
Distillate Fuel Oil	246	62	308	113	148	57	318
15 ppm sulfur and under	236	62	298	113	148	58	319
Greater than 15 ppm to 500 ppm sulfur	11	–	11	–	–	97	97
Greater than 500 ppm sulfur	-1	–	-1	–	–	-98	-98
Residual Fuel Oil	–	–	–	–	–	–	–
Less than 0.31 percent sulfur	–	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–
Greater than 1.00 percent sulfur	–	–	–	–	–	–	–
Special Naphthas	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	–	–	4	7	11
Miscellaneous Products	–	–	–	–	–	–	–
Total Production	**93,188**	**6,198**	**99,386**	**44,984**	**9,094**	**13,955**	**68,033**
Processing Gain(-) or Loss(+)[1]	0	0	0	3	0	3	6

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	19,016	11,455	3,072	8,985	1,356	43,884	6,859	42,861	260,424
Reformulated	7,522	6,854	–	–	–	14,376	–	30,669	91,053
Reformulated Blended with Fuel Ethanol	7,520	6,853	–	–	–	14,373	–	30,669	91,044
Reformulated Other	2	1	–	–	–	3	–	–	9
Conventional	11,494	4,601	3,072	8,985	1,356	29,508	6,859	12,192	169,371
Conventional Blended with Fuel Ethanol	11,537	1,361	3,044	9,477	1,424	26,843	6,955	14,044	170,088
Ed55 and Lower	11,529	1,360	3,044	9,458	1,423	26,814	6,926	14,031	169,719
Greater than Ed55	8	1	–	19	1	29	29	13	369
Conventional Other	-43	3,240	28	-492	-68	2,665	-96	-1,852	-717
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	–	6	–	0	6	127	–	95
Kerosene	–	0	–	–	–	0	–	–	0
Distillate Fuel Oil	26	77	-6	18	5	120	-117	399	1,028
15 ppm sulfur and under	26	77	-6	18	5	120	-117	396	1,016
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	108
Greater than 500 ppm sulfur	–	–	–	–	–	–	–	3	-96
Residual Fuel Oil	–	–	–	–	–	–	–	0	0
Less than 0.31 percent sulfur	–	–	–	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–	-1	-1
Greater than 1.00 percent sulfur	–	–	–	–	–	–	–	1	1
Special Naphthas	–	–	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	–	–	–	–	–	–	11
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total Production	**19,042**	**11,532**	**3,072**	**9,003**	**1,361**	**44,010**	**6,869**	**43,260**	**261,558**
Processing Gain(-) or Loss(+)[1]	1	-1	-2	0	0	-2	-2	3	5

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

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	**5,546**	**845**	**6,391**	**9,381**	**1,987**	**1,996**	**13,364**
Petroleum Products	**9,652**	**2,249**	**11,901**	**30,138**	**9,031**	**10,311**	**49,480**
Hydrocarbon Gas Liquids	385	40	425	2,697	463	908	4,068
Natural Gas Liquids	327	40	367	2,377	442	897	3,716
Ethane	–	–	–	–	–	–	–
Propane	64	10	74	652	36	303	991
Normal Butane	177	13	190	1,396	347	193	1,936
Isobutane	86	17	103	220	59	227	506
Natural Gasoline	–	–	–	109	–	174	283
Refinery Olefins	58	0	58	320	21	11	352
Ethylene	–	–	–	–	–	–	–
Propylene	53	0	53	288	21	7	316
Normal Butylene	1	0	1	32	0	4	36
Isobutylene	4	0	4	0	0	0	0
Biofuels/Other Hydrocarbons	121	96	217	47	62	30	139
Biofuels (including Fuel Ethanol)	121	96	217	36	62	30	128
Fuel Ethanol	121	86	207	30	52	25	107
Biodiesel	–	10	10	6	10	5	21
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	11	–	–	11
Unfinished Oils	3,306	338	3,644	8,639	1,368	3,399	13,406
Naphthas and Lighter	659	196	855	1,906	231	1,079	3,216
Kerosene and Light Gas Oils	379	–	379	2,007	483	335	2,825
Heavy Gas Oils	1,767	136	1,903	3,375	654	1,074	5,103
Residuum	501	6	507	1,351	–	911	2,262
Motor Gasoline Blending Components (MGBC)	2,936	256	3,192	8,438	2,174	2,859	13,471
Reformulated - RBOB	1,092	–	1,092	1,017	–	–	1,017
Conventional	1,844	256	2,100	7,421	2,174	2,859	12,454
CBOB	170	179	349	3,202	1,274	1,974	6,450
GTAB	–	–	–	–	–	–	–
Other	1,674	77	1,751	4,219	900	885	6,004
Aviation Gasoline Blending Components	–	–	–	–	–	–	–
Finished Motor Gasoline	–	56	56	391	82	264	737
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	56	56	391	82	264	737
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	56	56	391	82	264	737
Finished Aviation Gasoline	–	–	–	–	54	–	54
Kerosene-Type Jet Fuel	530	–	530	1,499	291	256	2,046
Kerosene	95	1	96	111	–	56	167
Distillate Fuel Oil	1,375	259	1,634	3,243	1,195	1,393	5,831
15 ppm sulfur and under	1,020	183	1,203	3,090	1,045	1,331	5,466
Greater than 15 ppm to 500 ppm sulfur	31	67	98	–	–	29	29
Greater than 500 ppm sulfur	324	9	333	153	150	33	336
Residual Fuel Oil	301	21	322	624	216	90	930
Less than 0.31 percent sulfur	–	19	19	161	–	–	161
0.31 to 1.00 percent sulfur	125	2	127	81	40	33	154
Greater than 1.00 percent sulfur	176	–	176	382	176	57	615
Petrochemical Feedstocks	–	5	5	549	–	–	549
Naphtha for Petro. Feed. Use	–	–	–	421	–	–	421
Other Oils for Petro. Feed. Use	–	5	5	128	–	–	128
Special Naphthas	–	25	25	84	–	16	100
Lubricants	478	245	723	–	–	271	271
Waxes	–	351	351	–	–	52	52
Petroleum Coke	–	–	–	1,219	1,467	411	3,097
Marketable	–	–	–	1,219	1,467	411	3,097
Catalyst	–	–	–	–	–	–	–
Asphalt and Road Oil	117	507	624	2,530	1,631	297	4,458
Miscellaneous Products	8	49	57	67	28	9	104
Total Stocks, All Oils	**15,198**	**3,094**	**18,292**	**39,519**	**11,018**	**12,307**	**62,844**

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2023
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**1,979**	**25,318**	**16,367**	**1,209**	**229**	**45,102**	**2,509**	**17,890**	**85,256**
Petroleum Products	**11,862**	**60,787**	**39,723**	**3,794**	**1,106**	**117,272**	**10,347**	**45,689**	**234,689**
Hydrocarbon Gas Liquids	3,282	1,769	1,094	8	88	6,241	444	1,401	12,579
Natural Gas Liquids	2,495	1,565	957	7	88	5,112	375	1,180	10,750
Ethane	12	1	–	–	–	13	–	–	13
Propane	220	172	58	1	3	454	54	92	1,665
Normal Butane	1,753	1,137	465	3	77	3,435	225	695	6,481
Isobutane	440	223	253	3	8	927	67	390	1,993
Natural Gasoline	70	32	181	–	–	283	29	3	598
Refinery Olefins	787	204	137	1	0	1,129	69	221	1,829
Ethylene	0	0	–	–	–	0	–	–	0
Propylene	741	51	45	1	0	838	3	23	1,233
Normal Butylene	46	153	92	0	0	291	66	198	592
Isobutylene	0	0	0	0	0	0	0	0	4
Biofuels/Other Hydrocarbons	49	1,063	100	28	7	1,247	109	983	2,695
Biofuels (including Fuel Ethanol)	49	1,063	100	28	7	1,247	109	983	2,684
Fuel Ethanol	32	1,024	56	22	4	1,138	98	145	1,695
Biodiesel	17	39	44	6	3	109	11	7	158
Renewable Diesel Fuel	–	–	–	–	–	–	–	831	831
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	11
Unfinished Oils	3,531	23,720	14,560	1,142	524	43,477	2,957	17,672	81,156
Naphthas and Lighter	1,759	6,917	1,896	251	127	10,950	606	2,513	18,140
Kerosene and Light Gas Oils	599	3,774	1,726	221	177	6,497	707	3,509	13,917
Heavy Gas Oils	759	9,031	8,512	569	220	19,091	1,213	8,854	36,164
Residuum	414	3,998	2,426	101	–	6,939	431	2,796	12,935
Motor Gasoline Blending Components (MGBC)	2,663	12,328	10,538	311	231	26,071	2,760	12,260	57,754
Reformulated - RBOB	64	1,055	560	–	11	1,690	–	4,667	8,466
Conventional	2,599	11,273	9,978	311	220	24,381	2,760	7,593	49,288
CBOB	1,251	4,020	5,539	251	42	11,103	1,426	2,129	21,457
GTAB	–	–	–	–	–	–	–	–	–
Other	1,348	7,253	4,439	60	178	13,278	1,334	5,464	27,831
Aviation Gasoline Blending Components	8	–	11	–	–	19	–	–	19
Finished Motor Gasoline	127	1,549	1,126	14	–	2,816	776	510	4,895
Reformulated	–	–	–	–	–	–	–	16	16
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	16	16
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	127	1,549	1,126	14	–	2,816	776	494	4,879
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	74	–	74
Ed55 and Lower	–	–	–	–	–	–	74	–	74
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	127	1,549	1,126	14	–	2,816	702	494	4,805
Finished Aviation Gasoline	35	132	154	–	–	321	10	138	523
Kerosene-Type Jet Fuel	510	3,133	1,940	105	–	5,688	281	3,272	11,817
Kerosene	13	29	1	2	–	45	–	3	311
Distillate Fuel Oil	786	8,119	5,073	494	72	14,544	1,702	4,696	28,407
15 ppm sulfur and under	762	6,848	3,997	357	72	12,036	1,564	4,213	24,482
Greater than 15 ppm to 500 ppm sulfur	24	56	280	13	–	373	90	146	736
Greater than 500 ppm sulfur	–	1,215	796	124	–	2,135	48	337	3,189
Residual Fuel Oil	225	2,193	992	10	77	3,497	213	2,090	7,052
Less than 0.31 percent sulfur	13	–	37	–	–	50	27	18	275
0.31 to 1.00 percent sulfur	92	453	248	10	–	803	5	277	1,366
Greater than 1.00 percent sulfur	120	1,740	707	–	77	2,644	181	1,795	5,411
Petrochemical Feedstocks	53	1,529	428	3	22	2,035	–	–	2,589
Naphtha for Petro. Feed. Use	51	1,000	404	3	–	1,458	–	–	1,879
Other Oils for Petro. Feed. Use	2	529	24	–	22	577	–	–	710
Special Naphthas	80	585	–	131	–	796	–	42	963
Lubricants	39	2,187	1,804	769	–	4,799	–	602	6,395
Waxes	–	109	107	67	–	283	–	–	686
Petroleum Coke	61	1,938	1,031	–	–	3,030	152	1,067	7,346
Marketable	61	1,938	1,031	–	–	3,030	152	1,067	7,346
Catalyst	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	241	143	685	709	83	1,861	920	892	8,755
Miscellaneous Products	159	261	79	1	2	502	23	61	747
Total Stocks, All Oils	**13,841**	**86,105**	**56,090**	**5,003**	**1,335**	**162,374**	**12,856**	**63,579**	**319,945**

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

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, July 2023

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	3.5	2.5	3.4	5.6	3.4	2.9	4.7
Finished Motor Gasoline[1]	44.6	34.7	43.2	50.4	45.1	48.7	49.3
Finished Aviation Gasoline[2]	–	–	–	–	0.3	–	0.0
Kerosene-Type Jet Fuel	13.7	–	11.8	8.4	6.5	3.8	7.1
Kerosene	1.2	–	1.1	0.1	–	0.1	0.1
Distillate Fuel Oil[3]	25.4	25.2	25.4	25.9	31.7	38.5	29.5
Residual Fuel Oil	4.9	0.2	4.3	0.8	1.1	0.6	0.8
Naphtha for Petro. Feed. Use	–	–	–	0.6	–	–	0.4
Other Oils for Petro. Feed. Use	–	0.4	0.1	0.5	–	–	0.3
Special Naphthas	–	0.5	0.1	-0.1	–	0.1	0.0
Lubricants	0.5	6.9	1.4	–	–	0.8	0.2
Waxes	–	0.5	0.1	–	–	0.1	0.0
Petroleum Coke	2.5	0.7	2.3	5.1	7.0	3.0	4.9
Asphalt and Road Oil	2.5	24.2	5.5	3.9	9.1	1.5	4.1
Still Gas	4.3	2.2	4.0	4.0	3.7	3.9	3.9
Miscellaneous Products	0.2	0.7	0.3	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+)[4]	-3.5	1.4	-2.8	-5.7	-8.5	-4.1	-5.7

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	4.7	6.1	5.6	1.1	1.6	5.6	2.5	2.8	4.8
Finished Motor Gasoline[1]	49.8	42.9	43.5	29.9	53.5	43.4	47.8	50.6	46.0
Finished Aviation Gasoline[2]	0.3	0.1	0.2	–	–	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	7.5	10.5	10.0	2.3	–	9.8	5.8	19.9	10.5
Kerosene	0.0	0.1	0.0	0.0	–	0.1	–	0.0	0.1
Distillate Fuel Oil[3]	31.0	31.3	33.5	36.3	37.0	32.3	32.4	17.1	29.2
Residual Fuel Oil	1.2	1.6	0.9	-0.2	1.9	1.2	1.8	3.3	1.6
Naphtha for Petro. Feed. Use	0.6	1.1	1.5	–	–	1.2	–	–	0.7
Other Oils for Petro. Feed. Use	0.0	0.6	1.3	–	1.9	0.8	0.4	0.3	0.6
Special Naphthas	0.4	0.4	–	2.8	–	0.3	–	0.1	0.2
Lubricants	0.1	1.1	1.5	10.4	–	1.4	–	0.3	0.9
Waxes	–	0.0	0.1	0.3	–	0.0	–	–	0.0
Petroleum Coke	2.1	6.2	4.9	2.2	0.8	5.3	3.9	5.4	5.0
Asphalt and Road Oil	1.1	0.3	0.6	14.1	1.6	0.9	5.7	1.3	2.1
Still Gas	4.3	4.4	3.7	4.7	3.1	4.1	3.4	5.0	4.2
Miscellaneous Products	0.6	0.7	0.5	0.2	0.4	0.6	0.3	0.5	0.5
Processing Gain(-) or Loss(+)[4]	-3.7	-7.4	-7.5	-4.2	-1.7	-7.0	-4.2	-6.5	-6.4

– = 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.
Data source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, July 2023
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil		
	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	**46**	**782**	**828**
Connecticut	–	–	–
Delaware	–	–	–
Florida	–	522	522
Georgia	–	–	–
Maine	–	–	–
Maryland	–	–	–
Massachusetts	–	–	–
New Hampshire	–	–	–
New Jersey	–	151	151
New York	–	–	–
North Carolina	–	–	–
Pennsylvania	–	109	109
Rhode Island	–	–	–
South Carolina	–	–	–
Vermont	46	–	46
Virginia	–	–	–
West Virginia	–	–	–
PAD District 2	**10**	**78**	**88**
Illinois	–	–	–
Indiana	–	–	–
Michigan	–	33	33
Minnesota	4	–	4
North Dakota	6	45	51
Ohio	–	–	–
Wisconsin	–	–	–
PAD District 3	**–**	**1,380**	**1,380**
Alabama	–	–	–
Louisiana	–	–	–
Mississippi	–	–	–
New Mexico	–	–	–
Texas	–	1,380	1,380
PAD District 4	**–**	**–**	**–**
Idaho	–	–	–
Montana	–	–	–
PAD District 5	**46**	**38**	**84**
Alaska	–	–	–
California	–	–	–
Hawaii	–	–	–
Oregon	–	–	–
Washington	46	38	84
U.S. Total	**102**	**2,278**	**2,380**

– = No Data Reported.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, July 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**17,262**	**81,730**	**53,108**	**7,399**	**35,400**	**194,899**	**6,287**
Hydrocarbon Gas Liquids	**618**	**1,805**	**–**	**289**	**1,381**	**4,093**	**132**
Natural Gas Liquids	341	1,543	–	289	1,381	3,554	115
Ethane	–	–	–	–	–	–	–
Propane	268	902	–	289	705	2,164	70
Normal Butane	69	441	–	–	603	1,113	36
Isobutane	4	200	–	–	73	277	9
Natural Gasoline	–	–	–	–	–	–	–
Refinery Olefins	277	262	–	–	–	539	17
Ethylene	–	–	–	–	–	–	–
Propylene	277	173	–	–	–	450	15
Normal Butylene	–	89	–	–	–	89	3
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**20,924**	**534**	**14,552**	**28**	**3,257**	**39,295**	**1,268**
Hydrogen/Biofuels/Other Hydrocarbons	337	87	219	13	904	1,560	50
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	337	87	219	13	904	1,560	50
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	337	87	167	13	121	725	23
Renewable Diesel Fuel	–	–	–	–	783	783	25
Other Biofuels[3]	–	–	52	–	–	52	2
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils[1]	2,538	–	13,249	–	1,735	17,522	565
Naphthas and Lighter	681	–	–	–	–	681	22
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	854	–	6,997	–	1,735	9,586	309
Residuum	1,003	–	6,252	–	–	7,255	234
Motor Gasoline Blend.Comp. (MGBC)	18,049	447	1,084	15	618	20,213	652
Reformulated - RBOB	4,468	–	–	–	–	4,468	144
Conventional	13,581	447	1,084	15	618	15,745	508
CBOB	1,760	102	–	–	–	1,862	60
GTAB	4,023	–	96	–	–	4,119	133
Other	7,798	345	988	15	618	9,764	315
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**8,747**	**1,556**	**3,469**	**150**	**4,175**	**18,097**	**584**
Finished Motor Gasoline	2,319	–	–	–	684	3,003	97
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	2,319	–	–	–	684	3,003	97
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	2,319	–	–	–	684	3,003	97
Finished Aviation Gasoline	44	2	–	–	1	47	2
Kerosene-Type Jet Fuel	1,242	–	25	3	2,691	3,961	128
Bonded Aircraft Fuel	302	–	–	–	829	1,131	36
Other	940	–	25	3	1,862	2,830	91
Kerosene	–	–	–	–	–	–	–
Distillate Fuel Oil	2,715	356	26	74	534	3,705	120
15 ppm sulfur and under	2,714	351	26	74	533	3,698	119
Bonded	–	–	–	–	–	–	–
Other	2,714	351	26	74	533	3,698	119
Greater than 15 ppm to 500 ppm sulfur	1	4	–	–	–	5	0
Bonded	–	–	–	–	–	–	–
Other	1	4	–	–	–	5	0
Greater than 500 ppm to 2000 ppm sulfur	–	1	–	–	1	2	0
Bonded	–	–	–	–	–	–	–
Other	–	1	–	–	1	2	0
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	828	88	1,380	–	84	2,380	77
Less than 0.31 percent sulfur	–	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	46	10	–	–	46	102	3
Greater than 1.00 percent sulfur	782	78	1,380	–	38	2,278	73
Petrochemical Feedstocks	2	157	320	–	27	506	16
Naphtha for Petro. Feed. Use	2	87	259	–	27	375	12
Other Oils for Petro. Feed. Use	–	70	61	–	–	131	4
Special Naphthas	63	18	746	–	15	842	27
Lubricants	128	222	948	–	62	1,360	44
Waxes	103	19	24	–	8	154	5
Petroleum Coke (Marketable)	1	8	–	–	–	9	0
Asphalt and Road Oil	1,302	686	–	73	69	2,130	69
Miscellaneous Products	–	–	–	–	–	–	–
Total	**47,551**	**85,625**	**71,129**	**7,866**	**44,213**	**256,384**	**8,270**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-July 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**121,962**	**588,270**	**327,574**	**52,976**	**259,756**	**1,350,538**	**6,370**
Hydrocarbon Gas Liquids	**7,835**	**13,147**	**9**	**4,147**	**10,755**	**35,893**	**169**
Natural Gas Liquids	5,780	11,337	9	4,146	10,755	32,027	151
Ethane	–	–	–	–	–	–	–
Propane	5,400	6,874	–	4,036	6,644	22,954	108
Normal Butane	361	2,893	9	99	3,964	7,326	35
Isobutane	19	1,557	–	–	147	1,723	8
Natural Gasoline	–	13	–	11	–	24	0
Refinery Olefins	2,055	1,810	–	1	–	3,866	18
Ethylene	–	–	–	–	–	–	–
Propylene	2,055	1,086	–	1	–	3,142	15
Normal Butylene	–	724	–	–	–	724	3
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**129,042**	**3,889**	**104,589**	**580**	**26,651**	**264,751**	**1,249**
Hydrogen/Biofuels/Other Hydrocarbons	3,275	640	1,717	75	5,734	11,441	54
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	3,275	640	1,702	75	5,734	11,426	54
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	3,102	640	1,592	75	962	6,371	30
Renewable Diesel Fuel	173	–	53	–	4,772	4,998	24
Other Biofuels[3]	–	–	57	–	–	57	0
Other Hydrocarbons	–	–	15	–	–	15	0
Unfinished Oils[1]	15,016	19	93,320	–	11,699	120,054	566
Naphthas and Lighter	4,148	19	317	–	–	4,484	21
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	5,388	–	46,277	–	10,436	62,101	293
Residuum	5,480	–	46,726	–	1,263	53,469	252
Motor Gasoline Blend.Comp. (MGBC)	110,751	3,230	9,552	505	9,218	133,256	629
Reformulated - RBOB	30,172	–	292	–	777	31,241	147
Conventional	80,579	3,230	9,260	505	8,441	102,015	481
CBOB	11,823	900	–	–	1,269	13,992	66
GTAB	19,886	–	396	–	401	20,683	98
Other	48,870	2,330	8,864	505	6,771	67,340	318
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	83,713	10,237	27,298	1,216	31,813	154,277	728
Finished Motor Gasoline	21,223	–	354	–	4,733	26,310	124
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	21,223	–	354	–	4,733	26,310	124
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	21,223	–	354	–	4,733	26,310	124
Finished Aviation Gasoline	62	28	–	1	11	102	0
Kerosene-Type Jet Fuel	10,759	–	25	239	19,470	30,493	144
Bonded Aircraft Fuel	681	–	–	–	5,101	5,782	27
Other	10,078	–	25	239	14,369	24,711	117
Kerosene	504	20	–	–	–	524	2
Distillate Fuel Oil	32,653	2,048	859	423	3,453	39,436	186
15 ppm sulfur and under	32,505	1,967	859	423	3,450	39,204	185
Bonded	–	–	481	–	–	481	2
Other	32,505	1,967	378	423	3,450	38,723	183
Greater than 15 ppm to 500 ppm sulfur	17	27	–	–	–	44	0
Bonded	–	–	–	–	–	–	–
Other	17	27	–	–	–	44	0
Greater than 500 ppm to 2000 ppm sulfur	131	54	–	–	3	188	1
Bonded	–	–	–	–	–	–	–
Other	131	54	–	–	3	188	1
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	10,528	539	11,076	15	2,943	25,101	118
Less than 0.31 percent sulfur	998	–	65	11	858	1,932	9
0.31 to 1.00 percent sulfur	2,306	54	1,328	4	2,010	5,702	27
Greater than 1.00 percent sulfur	7,224	485	9,683	–	75	17,467	82
Petrochemical Feedstocks	421	1,129	2,436	–	178	4,164	20
Naphtha for Petro. Feed. Use	385	631	1,688	–	178	2,882	14
Other Oils for Petro. Feed. Use	36	498	748	–	–	1,282	6
Special Naphthas	75	80	3,586	1	146	3,888	18
Lubricants	836	1,624	7,158	–	212	9,830	46
Waxes	588	108	77	–	78	851	4
Petroleum Coke (Marketable)	3	114	1,727	–	–	1,844	9
Asphalt and Road Oil	6,061	4,547	–	537	589	11,734	55
Miscellaneous Products	–	–	–	–	–	–	–
Total	342,552	615,543	459,470	58,919	328,975	1,805,459	8,516

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**32,408**	**103**	**–**	**7,160**	**–**	**128**	**128**	**–**	**1,874**	**1,874**
Algeria	565	–	–	1,801	–	–	–	–	661	661
Angola	1,108	103	–	–	–	128	128	–	29	29
Congo (Brazzaville)	994	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	6,329	–	–	3,078	–	–	–	–	–	–
Kuwait	819	–	–	–	–	–	–	–	–	–
Libya	609	–	–	–	–	–	–	–	–	–
Nigeria	5,086	–	–	–	–	–	–	–	–	–
Saudi Arabia	12,159	–	–	2,281	–	–	–	–	1,030	1,030
United Arab Emirates	–	–	–	–	–	–	–	–	154	154
Venezuela	4,739	–	–	–	–	–	–	–	–	–
Non-OPEC	**162,491**	**3,451**	**539**	**10,362**	**–**	**2,875**	**2,875**	**4,468**	**13,871**	**18,339**
Argentina	1,688	–	–	–	–	–	–	–	176	176
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	75	75
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	304	–	506	506	7	236	243
Brazil	5,892	–	–	838	–	–	–	–	801	801
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	112,250	3,451	539	419	–	394	394	1,594	1,888	3,482
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	491	491
Colombia	6,453	–	–	151	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	37	–	37
Ecuador	5,951	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	55	55
France	–	–	–	–	–	11	11	–	441	441
Germany	–	–	–	–	–	55	55	12	102	114
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	2,171	2,171
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	79	–	–	–	13	403	416
Korea, South	–	–	–	–	–	672	672	–	216	216
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	1,034	–	–	–	–	–	–
Mexico	23,134	–	–	4,718	–	–	–	–	–	–
Netherlands	–	–	–	274	–	896	896	1,295	1,522	2,817
Norway	209	–	–	–	–	–	–	–	1,215	1,215
Oman	–	–	–	645	–	–	–	–	–	–
Portugal	–	–	–	122	–	–	–	44	558	602
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	837	–	332	332	–	1,368	1,368
Sweden	–	–	–	–	–	–	–	20	–	20
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	1,505	–	–	–	–	–	–	–	–	–
United Kingdom	1,429	–	–	–	–	9	9	1,334	333	1,667
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	3,980	0	0	941	–	0	0	112	1,820	1,932
Total	**194,899**	**3,554**	**539**	**17,522**	**–**	**3,003**	**3,003**	**4,468**	**15,745**	**20,213**
Persian Gulf[4]	**19,307**	**–**	**–**	**5,359**	**–**	**–**	**–**	**–**	**1,184**	**1,184**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, July 2023
(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	–	**725**	**783**	**52**	**3,698**	**5**	**2**	–	**3,705**	–	**47**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	26	–	–	–	26	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	294	–	–	3,347	5	2	–	3,354	–	3
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	52	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	237	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	118	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	98	–	–	–	98	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	44
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	76	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	49	–	–	–	49	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	783	0	178	0	0	–	178	–	0
Total	–	**725**	**783**	**52**	**3,698**	**5**	**2**	–	**3,705**	–	**47**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	**–**	**749**	**–**	**–**	**–**	**374**	**374**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	35	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	293	–	–	–	374	374	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	421	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**3,212**	**842**	**–**	**102**	**1,904**	**2,006**	**375**	**131**
Argentina	–	25	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	65	–	–	–	–	–	–	–
Brazil	–	–	42	–	–	–	–	–	4
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	315	178	–	56	151	207	89	70
Chad	–	–	–	–	–	–	–	–	–
China	–	307	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	30	30	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	20
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	116	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	1,633	522	–	–	–	–	52	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	82	82	–	–
Mexico	–	–	–	–	–	1,421	1,421	66	37
Netherlands	–	–	38	–	–	109	109	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	46	109	155	–	–
Qatar	–	–	–	–	–	–	–	15	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	751	62	–	0	2	2	153	0
Total	**–**	**3,961**	**842**	**–**	**102**	**2,278**	**2,380**	**375**	**131**
Persian Gulf[4]	**–**	**714**	**–**	**–**	**–**	**374**	**374**	**15**	**–**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**–**	**–**	**75**	**–**	**10,463**	**42,871**	**1,045**	**338**	**1,383**
Algeria	–	–	–	–	–	2,462	3,027	18	79	98
Angola	–	–	–	–	–	295	1,403	36	10	45
Congo (Brazzaville)	–	–	–	–	–	–	994	32	–	32
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	3,078	9,407	204	99	303
Kuwait	–	–	–	–	–	667	1,486	26	22	48
Libya	–	–	–	–	–	–	609	20	–	20
Nigeria	–	–	–	–	–	–	5,086	164	–	164
Saudi Arabia	–	–	–	35	–	3,767	15,926	392	122	514
United Arab Emirates	–	–	–	40	–	194	194	–	6	6
Venezuela	–	–	–	–	–	–	4,739	153	–	153
Non-OPEC	**154**	**9**	**2,130**	**1,285**	**–**	**51,022**	**213,513**	**5,242**	**1,646**	**6,888**
Argentina	–	–	–	–	–	201	1,889	54	6	61
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	75	75	–	2	2
Bahrain	–	–	–	120	–	120	120	–	4	4
Belgium	–	–	–	–	–	1,118	1,118	–	36	36
Brazil	–	–	–	–	–	1,711	7,603	190	55	245
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	99	8	1,973	291	–	15,166	127,416	3,621	489	4,110
Chad	–	–	–	–	–	–	–	–	–	–
China	44	–	–	–	–	842	842	–	27	27
Colombia	–	–	–	–	–	181	6,634	208	6	214
Denmark	–	–	–	–	–	37	37	–	1	1
Ecuador	–	–	–	–	–	–	5,951	192	–	192
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	107	107	–	3	3
France	–	–	–	5	–	477	477	–	15	15
Germany	–	–	–	16	–	422	422	–	14	14
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	2,287	2,287	–	74	74
Indonesia	–	–	–	112	–	112	112	–	4	4
Italy	–	–	–	6	–	619	619	–	20	20
Korea, South	–	–	31	128	–	3,352	3,352	–	108	108
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	1,116	1,116	–	36	36
Mexico	–	–	–	–	–	6,242	29,376	746	201	948
Netherlands	–	–	–	83	–	4,261	4,261	–	137	137
Norway	–	–	–	–	–	1,215	1,424	7	39	46
Oman	–	–	–	–	–	645	645	–	21	21
Portugal	–	–	–	–	–	879	879	–	28	28
Qatar	–	–	–	332	–	347	347	–	11	11
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	190	–	2,803	2,803	–	90	90
Sweden	–	–	–	–	–	69	69	–	2	2
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	1,505	49	–	49
United Kingdom	–	–	–	–	–	1,676	3,105	46	54	100
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	11	1	126	2	–	4,942	8,922	129	163	290
Total	**154**	**9**	**2,130**	**1,360**	**–**	**61,485**	**256,384**	**6,287**	**1,983**	**8,270**
Persian Gulf[4]	**–**	**–**	**–**	**527**	**–**	**8,173**	**27,480**	**623**	**264**	**886**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**222,926**	**1,137**	**–**	**49,365**	**–**	**162**	**162**	**565**	**9,147**	**9,712**
Algeria	3,602	–	–	7,452	–	–	–	–	2,589	2,589
Angola	7,090	103	–	–	–	128	128	–	934	934
Congo (Brazzaville)	994	–	–	–	–	–	–	–	–	–
Equatorial Guinea	1,029	1,034	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	46,678	–	–	26,877	–	–	–	–	–	–
Kuwait	3,759	–	–	807	–	–	–	–	70	70
Libya	14,092	–	–	–	–	–	–	–	–	–
Nigeria	37,556	–	–	257	–	–	–	–	600	600
Saudi Arabia	81,994	–	–	13,562	–	–	–	–	4,290	4,290
United Arab Emirates	1,428	–	–	410	–	34	34	565	664	1,229
Venezuela	24,704	–	–	–	–	–	–	–	–	–
Non-OPEC	**1,127,612**	**30,890**	**3,866**	**70,689**	**–**	**26,148**	**26,148**	**30,676**	**92,868**	**123,544**
Argentina	9,043	–	–	294	–	25	25	–	1,626	1,626
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	339	–	–	50	–	–	–	–	–	–
Bahamas	–	–	–	–	–	4,759	4,759	100	1,973	2,073
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2,361	–	1,819	1,819	292	1,952	2,244
Brazil	30,968	–	–	7,123	–	250	250	–	1,775	1,775
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	809,301	30,722	3,866	3,974	–	2,406	2,406	14,938	12,941	27,879
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	323	323	–	491	491
Colombia	41,042	–	–	1,280	–	–	–	–	242	242
Denmark	–	–	–	–	–	2	2	38	84	122
Ecuador	28,557	–	–	3,017	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	439	439	281	2,089	2,370
France	–	–	–	200	–	1,984	1,984	482	2,115	2,597
Germany	–	–	–	9	–	65	65	108	253	361
Guatemala	281	–	–	–	–	–	–	–	–	–
India	–	–	–	2,996	–	755	755	551	15,792	16,343
Indonesia	–	–	–	134	–	–	–	–	–	–
Italy	–	–	–	1,055	–	366	366	324	6,496	6,820
Korea, South	–	–	–	–	–	2,885	2,885	–	4,228	4,228
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	133	133	22	556	578
Malaysia	–	–	–	4,846	–	–	–	–	269	269
Mexico	154,928	–	–	30,636	–	–	–	–	230	230
Netherlands	383	–	–	1,728	–	3,479	3,479	5,005	9,301	14,306
Norway	1,946	–	–	–	–	1,835	1,835	699	4,651	5,350
Oman	–	–	–	645	–	4	4	–	293	293
Portugal	–	–	–	376	–	38	38	45	5,643	5,688
Qatar	517	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	1,465	–	1,811	1,811	37	8,284	8,321
Sweden	–	–	–	199	–	588	588	57	853	910
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	7,053	168	–	–	–	–	–	–	–	–
United Kingdom	8,905	–	–	708	–	1,304	1,304	7,544	2,224	9,768
Vietnam	285	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	33,447	0	0	7,546	–	878	878	153	8,507	8,660
Total	**1,350,538**	**32,027**	**3,866**	**120,054**	**–**	**26,310**	**26,310**	**31,241**	**102,015**	**133,256**
Persian Gulf[4]	**134,376**	**–**	**–**	**41,656**	**–**	**34**	**34**	**565**	**5,024**	**5,589**

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-July 2023
(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	**–**	**–**	**–**	**–**	**1,111**	**–**	**–**	**–**	**1,111**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	308	–	–	–	308	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	53	–	–	–	53	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**6,371**	**4,998**	**57**	**38,093**	**44**	**188**	**–**	**38,325**	**524**	**102**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	90	–	–	83	–	–	–	83	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	762	–	–	–	762	–	–
Canada	–	1,908	–	–	29,342	44	57	–	29,443	20	40
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	1,090	–	–	–	1,090	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	226	52	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	2,634	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	602	–	–	–	–	–	–	–	–	–
Korea, South	–	345	–	–	915	–	–	–	915	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	37	61	–	55	–	117	–	172	–	62
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	755	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	49	–	–	–	49	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	4,711	5	1,187	0	0	–	1,187	0	0
Total	**–**	**6,371**	**4,998**	**57**	**39,204**	**44**	**188**	**–**	**39,436**	**524**	**102**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**1,909**	**–**	**–**	**–**	**1,909**	**–**	**–**

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	**–**	**5,508**	**–**	**998**	**584**	**1,421**	**3,003**	**7**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	35	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	567	567	–	–
Kuwait	–	3,618	–	–	95	544	639	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	1,115	–	–	–	279	279	7	–
United Arab Emirates	–	736	–	–	103	–	103	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**24,985**	**3,888**	**934**	**5,118**	**16,046**	**22,098**	**2,875**	**1,282**
Argentina	–	25	–	–	179	–	179	–	118
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	305	137	–	442	–	–
Bahamas	–	–	–	–	20	–	20	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	65	–	–	301	–	301	–	–
Brazil	–	–	63	–	2	668	670	–	20
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	2,647	830	76	724	1,374	2,174	644	527
Chad	–	–	–	–	–	–	–	–	–
China	–	1,242	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	1,842	1,842	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	2	112	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	49	–	–	–	–	–	119
Germany	–	–	28	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,682	–	240	–	49	289	175	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	130	–
Korea, South	–	14,063	2,611	–	–	–	–	571	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	119	–	418	537	–	–
Mexico	–	13	–	–	8	9,520	9,528	335	498
Netherlands	–	–	208	–	332	569	901	88	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	4	–
Portugal	–	–	–	–	46	109	155	–	–
Qatar	–	–	–	–	–	–	–	55	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	13	–	13	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	652	20	672	34	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	5,054	99	194	2,489	1,474	4,157	816	0
Total	**–**	**30,493**	**3,888**	**1,932**	**5,702**	**17,467**	**25,101**	**2,882**	**1,282**
Persian Gulf[4]	**–**	**5,473**	**–**	**–**	**198**	**1,390**	**1,588**	**62**	**–**

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneo-us Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**134**	**–**	**1,029**	**–**	**71,168**	**294,094**	**1,052**	**336**	**1,387**
Algeria	–	–	–	–	–	11,324	14,926	17	53	70
Angola	–	–	–	–	–	1,203	8,293	33	6	39
Congo (Brazzaville)	–	–	–	–	–	126	1,120	5	1	5
Equatorial Guinea	–	–	–	–	–	1,034	2,063	5	5	10
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	27,448	74,126	220	129	350
Kuwait	–	–	–	–	–	5,134	8,893	18	24	42
Libya	–	–	–	–	–	–	14,092	66	–	66
Nigeria	–	–	–	–	–	1,168	38,724	177	6	183
Saudi Arabia	–	–	–	35	–	20,038	102,032	387	95	481
United Arab Emirates	–	134	–	994	–	3,693	5,121	7	17	24
Venezuela	–	–	–	–	–	–	24,704	117	–	117
Non-OPEC	**851**	**1,710**	**11,734**	**8,801**	**–**	**383,753**	**1,511,365**	**5,319**	**1,810**	**7,129**
Argentina	–	543	–	6	–	2,816	11,859	43	13	56
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	492	831	2	2	4
Bahamas	–	–	–	–	–	6,852	6,852	–	32	32
Bahrain	–	–	–	484	–	484	484	–	2	2
Belgium	–	–	–	23	–	6,883	6,883	–	32	32
Brazil	–	128	–	–	–	10,202	41,170	146	48	194
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	762	1,379	3	4	7
Canada	605	114	11,140	2,117	–	121,056	930,357	3,817	571	4,388
Chad	–	–	–	–	–	–	–	–	–	–
China	112	–	–	–	–	2,168	2,168	–	10	10
Colombia	–	308	72	–	–	4,834	45,876	194	23	216
Denmark	–	–	–	–	–	157	157	–	1	1
Ecuador	–	–	–	–	–	3,130	31,687	135	15	149
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	3,106	3,106	–	15	15
France	–	–	–	47	–	4,996	4,996	–	24	24
Germany	–	–	–	104	–	3,254	3,254	–	15	15
Guatemala	–	–	–	–	–	–	281	1	–	1
India	–	–	–	–	–	25,832	25,832	–	122	122
Indonesia	–	–	–	589	–	723	723	–	3	3
Italy	–	–	31	47	–	9,218	9,218	–	43	43
Korea, South	2	–	31	2,253	–	27,904	27,904	–	132	132
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	711	711	–	3	3
Malaysia	24	–	–	–	–	5,689	5,689	–	27	27
Mexico	–	–	–	–	–	41,540	196,468	731	196	927
Netherlands	–	140	–	416	–	21,598	21,981	2	102	104
Norway	–	–	–	–	–	7,214	9,160	9	34	43
Oman	–	132	–	–	–	1,078	1,078	–	5	5
Portugal	–	–	–	–	–	6,257	6,257	–	30	30
Qatar	–	–	–	2,502	–	3,663	4,180	2	17	20
Russia	–	–	–	–	–	–	–	–	–	–
Spain	4	–	132	203	–	12,772	12,772	–	60	60
Sweden	–	–	–	4	–	1,750	1,750	–	8	8
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	168	7,221	33	1	34
United Kingdom	12	25	–	–	–	12,523	21,428	42	59	101
Vietnam	–	–	–	–	–	–	285	1	–	1
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	92	320	328	6	–	33,874	67,321	158	161	320
Total	**851**	**1,844**	**11,734**	**9,830**	**–**	**454,921**	**1,805,459**	**6,370**	**2,146**	**8,516**
Persian Gulf[4]	**–**	**134**	**–**	**4,015**	**–**	**60,460**	**194,836**	**634**	**285**	**919**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**8,613**	**–**	**–**	**646**	**–**	**128**	**128**	**–**	**1,389**	**1,389**
Algeria	565	–	–	–	–	–	–	–	330	330
Angola	565	–	–	–	–	–	128	–	29	29
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	976	–	–	646	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	609	–	–	–	–	–	–	–	–	–
Nigeria	5,086	–	–	–	–	–	–	–	–	–
Saudi Arabia	500	–	–	–	–	–	–	–	1,030	1,030
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	312	–	–	–	–	–	–	–	–	–
Non-OPEC	**8,649**	**341**	**277**	**1,892**	**–**	**2,191**	**2,191**	**4,468**	**12,192**	**16,660**
Argentina	–	–	–	–	–	–	–	–	118	118
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	75	75
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	506	506	7	236	243
Brazil	–	–	–	160	–	–	–	–	758	758
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,445	341	277	–	–	382	382	1,594	1,387	2,981
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	322	322
Colombia	–	–	–	151	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	37	–	37
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	55	55
France	–	–	–	–	–	11	11	–	441	441
Germany	–	–	–	–	–	55	55	12	102	114
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	2,131	2,131
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	79	–	–	–	13	403	416
Korea, South	–	–	–	–	–	–	–	–	129	129
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	1,990	–	–	560	–	–	–	–	–	–
Netherlands	–	–	–	272	–	896	896	1,295	1,522	2,817
Norway	209	–	–	–	–	–	–	–	1,215	1,215
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	122	–	–	–	44	558	602
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	208	–	332	332	–	1,368	1,368
Sweden	–	–	–	–	–	–	–	20	–	20
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	479	–	–	–	–	–	–	–	–	–
United Kingdom	554	–	–	–	–	9	9	1,334	333	1,667
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	1,972	0	0	340	–	0	0	112	1,039	1,151
Total	**17,262**	**341**	**277**	**2,538**	**–**	**2,319**	**2,319**	**4,468**	**13,581**	**18,049**
Persian Gulf[4]	**1,476**	**–**	**–**	**646**	**–**	**–**	**–**	**–**	**1,030**	**1,030**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(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	–	**337**	–	–	**2,714**	**1**	–	–	**2,715**	–	**44**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	73	–	–	2,646	1	–	–	2,647	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	142	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	118	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	44
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	4	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	68	0	–	–	68	–	0
Total	–	**337**	–	–	**2,714**	**1**	–	–	**2,715**	–	**44**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	**–**	**749**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	35	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	293	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	421	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**493**	**63**	**–**	**46**	**782**	**828**	**2**	**–**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	65	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	312	1	–	–	35	35	2	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	30	30	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	116	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	497	497	–	–
Netherlands	–	–	–	–	–	109	109	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	46	109	155	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	0	62	–	0	2	2	0	–
Total	**–**	**1,242**	**63**	**–**	**46**	**782**	**828**	**2**	**–**
Persian Gulf[4]	**–**	**714**	**–**	**–**	**–**	**–**	**–**	**–**	**–**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**–**	**–**	**40**	**–**	**2,952**	**11,565**	**278**	**95**	**373**
Algeria	–	–	–	–	–	330	895	18	11	29
Angola	–	–	–	–	–	192	757	18	6	24
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	646	1,622	31	21	52
Kuwait	–	–	–	–	–	293	293	–	9	9
Libya	–	–	–	–	–	–	609	20	–	20
Nigeria	–	–	–	–	–	–	5,086	164	–	164
Saudi Arabia	–	–	–	–	–	1,451	1,951	16	47	63
United Arab Emirates	–	–	–	40	–	40	40	–	1	1
Venezuela	–	–	–	–	–	–	312	10	–	10
Non-OPEC	**103**	**1**	**1,302**	**88**	**–**	**27,337**	**35,986**	**279**	**882**	**1,161**
Argentina	–	–	–	–	–	118	118	–	4	4
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	75	75	–	2	2
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	814	814	–	26	26
Brazil	–	–	–	–	–	918	918	–	30	30
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	82	–	1,176	65	–	8,374	11,819	111	270	381
Chad	–	–	–	–	–	–	–	–	–	–
China	20	–	–	–	–	342	342	–	11	11
Colombia	–	–	–	–	–	181	181	–	6	6
Denmark	–	–	–	–	–	37	37	–	1	1
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	55	55	–	2	2
France	–	–	–	5	–	457	457	–	15	15
Germany	–	–	–	15	–	326	326	–	11	11
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	2,247	2,247	–	72	72
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	1	–	614	614	–	20	20
Korea, South	–	–	–	–	–	129	129	–	4	4
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	1,057	3,047	64	34	98
Netherlands	–	–	–	1	–	4,139	4,139	–	134	134
Norway	–	–	–	–	–	1,215	1,424	7	39	46
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	879	879	–	28	28
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	1,912	1,912	–	62	62
Sweden	–	–	–	–	–	20	20	–	1	1
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	479	15	–	15
United Kingdom	–	–	–	–	–	1,676	2,230	18	54	72
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	1	1	126	1	–	1,752	3,724	64	56	120
Total	**103**	**1**	**1,302**	**128**	**–**	**30,289**	**47,551**	**557**	**977**	**1,534**
Persian Gulf[4]	**–**	**–**	**–**	**40**	**–**	**2,430**	**3,906**	**48**	**78**	**126**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**81,730**	**1,543**	**262**	**–**	**–**	**–**	**–**	**–**	**447**	**447**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	81,730	1,543	262	–	–	–	–	–	447	447
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
Total	**81,730**	**1,543**	**262**	**–**	**–**	**–**	**–**	**–**	**447**	**447**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(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	–	**87**	–	–	**351**	**4**	**1**	–	**356**	–	**2**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	87	–	–	351	4	1	–	356	–	2
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
Total	–	**87**	–	–	**351**	**4**	**1**	–	**356**	–	**2**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	–	**18**	–	**10**	**78**	**88**	**87**	**70**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	18	–	10	78	88	87	70
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
Total	–	–	**18**	–	**10**	**78**	**88**	**87**	**70**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**19**	**8**	**686**	**222**	**–**	**3,895**	**85,625**	**2,636**	**126**	**2,762**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	17	8	686	222	–	3,893	85,623	2,636	126	2,762
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	2	0	0	0	–	2	2	0	0	0
Total	**19**	**8**	**686**	**222**	**–**	**3,895**	**85,625**	**2,636**	**126**	**2,762**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**10,386**	–	–	**5,164**	–	–	–	–	**331**	**331**
Algeria	–	–	–	451	–	–	–	–	331	331
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	2,432	–	–	–	–	–	–
Kuwait	819	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	5,140	–	–	2,281	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	4,427	–	–	–	–	–	–	–	–	–
Non-OPEC	**42,722**	–	–	**8,085**	–	–	–	–	**753**	**753**
Argentina	–	–	–	–	–	–	–	–	58	58
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	2,215	–	–	678	–	–	–	–	43	43
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	12,478	–	–	340	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	169	169
Colombia	5,502	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	1,034	–	–	–	–	–	–
Mexico	21,144	–	–	4,158	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	645	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	629	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	508	–	–	–	–	–	–	–	–	–
United Kingdom	875	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	–	–	601	–	–	–	–	483	483
Total	**53,108**	–	–	**13,249**	–	–	–	–	**1,084**	**1,084**
Persian Gulf[4]	**5,959**	–	–	**4,713**	–	–	–	–	–	–

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(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	–	**167**	–	**52**	**26**	–	–	–	**26**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	26	–	–	–	26	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	52	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	95	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	72	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	0	0	–	–	–	0	–	–
Total	–	**167**	–	**52**	**26**	–	–	–	**26**	–	–
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	**–**	**–**	**–**	**–**	**–**	**374**	**374**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	374	374	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**25**	**746**	**–**	**–**	**1,006**	**1,006**	**259**	**61**
Argentina	–	25	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	42	–	–	–	–	–	4
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	144	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	20
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	522	–	–	–	–	52	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	82	82	–	–
Mexico	–	–	–	–	–	924	924	66	37
Netherlands	–	–	38	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	15	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	–	0	0	126	0
Total	**–**	**25**	**746**	**–**	**–**	**1,380**	**1,380**	**259**	**61**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**374**	**374**	**15**	**–**

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**–**	**–**	**35**	**–**	**5,904**	**16,290**	**335**	**190**	**525**
Algeria	–	–	–	–	–	782	782	–	25	25
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	2,432	2,432	–	78	78
Kuwait	–	–	–	–	–	374	1,193	26	12	38
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	35	–	2,316	7,456	166	75	241
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	4,427	143	–	143
Non-OPEC	**24**	**–**	**–**	**913**	**–**	**12,117**	**54,839**	**1,378**	**391**	**1,769**
Argentina	–	–	–	–	–	83	83	–	3	3
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	120	–	120	120	–	4	4
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	793	3,008	71	26	97
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	484	12,962	403	16	418
Chad	–	–	–	–	–	–	–	–	–	–
China	24	–	–	–	–	193	193	–	6	6
Colombia	–	–	–	–	–	–	5,502	177	–	177
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	52	52	–	2	2
France	–	–	–	–	–	20	20	–	1	1
Germany	–	–	–	1	–	96	96	–	3	3
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	112	–	112	112	–	4	4
Italy	–	–	–	5	–	5	5	–	0	0
Korea, South	–	–	–	118	–	692	692	–	22	22
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	1,116	1,116	–	36	36
Mexico	–	–	–	–	–	5,185	26,329	682	167	849
Netherlands	–	–	–	69	–	107	107	–	3	3
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	645	645	–	21	21
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	297	–	312	312	–	10	10
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	190	–	891	891	–	29	29
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	508	16	–	16
United Kingdom	–	–	–	–	–	–	875	28	–	28
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	–	–	1	–	1,211	1,211	1	38	40
Total	**24**	**–**	**–**	**948**	**–**	**18,021**	**71,129**	**1,713**	**581**	**2,294**
Persian Gulf[4]	**–**	**–**	**–**	**452**	**–**	**5,554**	**11,513**	**192**	**179**	**371**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
	PAD District 4									
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**7,399**	**289**	–	–	–	–	–	–	**15**	**15**
Canada	7,399	289	–	–	–	–	–	–	15	15
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	–	–	–	–	–	0	0
Total	**7,399**	**289**	–	–	–	–	–	–	**15**	**15**
	PAD District 5									
OPEC	**13,409**	**103**	–	**1,350**	–	–	–	–	**154**	**154**
Algeria	–	–	–	1,350	–	–	–	–	–	–
Angola	543	103	–	–	–	–	–	–	–	–
Congo (Brazzaville)	1,988	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	5,353	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	6,519	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	154	154
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	21,991	1,278	–	385	–	684	684	–	464	464
Argentina	1,688	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	3,677	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	7,198	1,278	–	79	–	12	12	–	39	39
China	–	–	–	–	–	–	–	–	–	–
Colombia	951	–	–	–	–	–	–	–	–	–
Ecuador	5,951	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	672	672	–	87	87
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	2	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	80	80
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	218	218
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**2,526**	**0**	–	**304**	–	**0**	**0**	–	**40**	**40**
Total	**35,400**	**1,381**	–	**1,735**	–	**684**	**684**	–	**618**	**618**
Persian Gulf[4]	11,872	–	–	–	–	–	–	–	154	154

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(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)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**13**	–	–	**74**	–	–	–	**74**	–	–
Canada	–	13	–	–	74	–	–	–	74	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**13**	–	–	**74**	–	–	–	**74**	–	–
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	121	783	–	533	–	1	–	534	–	1
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	121	–	–	276	–	1	–	277	–	1
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	110	–	–	–	110	–	–
Korea, South	–	–	–	–	98	–	–	–	98	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	783	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	49	–	–	–	49	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	**0**	**0**	–	**0**	–	**0**	–	**0**	–	**0**
Total	–	**121**	**783**	–	**533**	–	**1**	–	**534**	–	**1**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
	PAD District 4								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**3**	–	–	–	–	–	–	–
Canada	–	3	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	–	–	–	–	–
Total	–	**3**	–	–	–	–	–	–	–
	PAD District 5								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	2,691	15	–	46	38	84	27	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	–	15	–	46	38	84	–	–
China	–	307	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	440	–	–	–	–	–	–	–
Korea, South	–	1,633	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	27	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	**311**	**0**	–	**0**	**0**	**0**	**0**	–
Total	–	**2,691**	**15**	–	**46**	**38**	**84**	**27**	–
Persian Gulf[4]	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average Crude Oil	Daily Average Products	Daily Average Total
	PAD District 4									
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	–	**73**	–	–	**467**	**7,866**	**239**	**15**	**254**
Canada	–	–	73	–	–	467	7,866	239	15	254
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**73**	–	–	**467**	**7,866**	**239**	**15**	**254**
	PAD District 5									
OPEC	–	–	–	–	–	**1,607**	**15,016**	**433**	**52**	**484**
Algeria	–	–	–	–	–	1,350	1,350	–	44	44
Angola	–	–	–	–	–	103	646	18	3	21
Congo (Brazzaville)	–	–	–	–	–	–	1,988	64	–	64
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	5,353	173	–	173
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	6,519	210	–	210
United Arab Emirates	–	–	–	–	–	154	154	–	5	5
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	8	–	69	62	–	7,206	29,197	709	232	942
Argentina	–	–	–	–	–	–	1,688	54	–	54
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	3,677	119	–	119
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	38	4	–	1,948	9,146	232	63	295
China	–	–	–	–	–	307	307	–	10	10
Colombia	–	–	–	–	–	–	951	31	–	31
Ecuador	–	–	–	–	–	–	5,951	192	–	192
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	550	550	–	18	18
Korea, South	–	–	31	10	–	2,531	2,531	–	82	82
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	13	–	15	15	–	0	0
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	35	–	35	35	–	1	1
Singapore	–	–	–	–	–	863	863	–	28	28
Sweden	–	–	–	–	–	49	49	–	2	2
Taiwan	8	–	–	–	–	253	253	–	8	8
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**0**	–	**0**	**0**	–	**655**	**3,181**	**81**	**20**	**102**
Total	**8**	–	**69**	**62**	–	**8,813**	**44,213**	**1,142**	**284**	**1,426**
Persian Gulf[4]	–	–	–	35	–	189	12,061	383	6	389

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**63,829**	**759**	**–**	**5,028**	**–**	**128**	**128**	**435**	**8,021**	**8,456**
Algeria	3,602	–	–	1,365	–	–	–	–	2,258	2,258
Angola	3,505	–	–	–	–	128	128	–	934	934
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	759	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	976	–	–	3,406	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	1	–
Libya	6,795	–	–	–	–	–	–	–	–	–
Nigeria	36,610	–	–	257	–	–	–	–	600	600
Saudi Arabia	12,029	–	–	–	–	–	–	–	4,028	4,028
United Arab Emirates	–	–	–	–	–	–	–	435	200	635
Venezuela	312	–	–	–	–	–	–	–	–	–
Non-OPEC	**58,133**	**5,021**	**2,055**	**9,988**	**–**	**21,095**	**21,095**	**29,737**	**72,558**	**102,295**
Argentina	1,621	–	–	294	–	–	–	–	1,477	1,477
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	4,449	4,449	100	1,320	1,420
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	250	–	1,819	1,819	292	1,350	1,642
Brazil	627	–	–	280	–	–	–	–	1,395	1,395
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	25,084	5,021	2,055	1,473	–	2,182	2,182	14,938	8,821	23,759
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	322	322
Colombia	501	–	–	1,243	–	–	–	–	210	210
Denmark	–	–	–	–	–	2	2	38	84	122
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	439	439	281	2,089	2,370
France	–	–	–	200	–	1,729	1,729	482	2,115	2,597
Germany	–	–	–	9	–	65	65	108	171	279
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	233	233	70	11,344	11,414
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	455	–	366	366	324	6,496	6,820
Korea, South	–	–	–	–	–	–	–	–	129	129
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	133	133	22	556	578
Malaysia	–	–	–	26	–	–	–	–	192	192
Mexico	14,994	–	–	2,559	–	–	–	–	–	–
Netherlands	–	–	–	1,082	–	3,479	3,479	4,547	8,963	13,510
Norway	1,946	–	–	–	–	1,835	1,835	699	4,651	5,350
Oman	–	–	–	–	–	4	4	–	30	30
Portugal	–	–	–	376	–	38	38	45	5,643	5,688
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	519	–	1,811	1,811	37	7,978	8,015
Sweden	–	–	–	–	–	548	548	57	803	860
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	479	–	–	–	–	–	–	–	–	–
United Kingdom	4,172	–	–	300	–	1,299	1,299	7,544	1,822	9,366
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	8,709	0	0	922	–	664	664	153	4,597	4,750
Total	**121,962**	**5,780**	**2,055**	**15,016**	**–**	**21,223**	**21,223**	**30,172**	**80,579**	**110,751**
Persian Gulf[4]	**13,005**	**–**	**–**	**3,406**	**–**	**–**	**–**	**435**	**4,229**	**4,664**

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(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	**–**	**–**	**–**	**–**	**1,111**	**–**	**–**	**–**	**1,111**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	308	–	–	–	308	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	53	–	–	–	53	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**3,102**	**173**	**–**	**31,394**	**17**	**131**	**–**	**31,542**	**504**	**62**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	90	–	–	5	–	–	–	5	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	762	–	–	–	762	–	–
Canada	–	576	–	–	24,576	17	–	–	24,593	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	609	–	–	–	609	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	173	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	1,656	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	346	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	55	–	117	–	172	–	62
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	434	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	1,077	0	0	–	1,077	0	0
Total	**–**	**3,102**	**173**	**–**	**32,505**	**17**	**131**	**–**	**32,653**	**504**	**62**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**1,909**	**–**	**–**	**–**	**1,909**	**–**	**–**

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	**–**	**5,508**	**–**	**998**	**383**	**715**	**2,096**	**7**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	35	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	405	405	–	–
Kuwait	–	3,618	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	1,115	–	–	–	279	279	7	–
United Arab Emirates	–	736	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**5,251**	**75**	**–**	**1,923**	**6,509**	**8,432**	**378**	**36**
Argentina	–	–	–	–	–	–	–	–	31
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	20	–	20	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	65	–	–	301	–	301	–	–
Brazil	–	–	–	–	2	88	90	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	2,156	13	–	252	668	920	13	5
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	1,842	1,842	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	2	112	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,682	–	–	–	49	49	39	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	130	–
Korea, South	–	666	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	–	–	–	–	–	–
Mexico	–	13	–	–	8	2,015	2,023	–	–
Netherlands	–	–	–	–	332	569	901	88	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	4	–
Portugal	–	–	–	–	46	109	155	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	13	–	13	23	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	652	20	672	4	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	475	62	0	82	1,146	1,228	77	0
Total	**–**	**10,759**	**75**	**998**	**2,306**	**7,224**	**10,528**	**385**	**36**
Persian Gulf[4]	**–**	**5,473**	**–**	**–**	**–**	**684**	**684**	**7**	**–**

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**–**	**–**	**146**	**–**	**23,239**	**87,068**	**301**	**110**	**411**
Algeria	–	–	–	–	–	4,906	8,508	17	23	40
Angola	–	–	–	–	–	1,097	4,602	17	5	22
Congo (Brazzaville)	–	–	–	–	–	126	126	–	1	1
Equatorial Guinea	–	–	–	–	–	759	759	–	4	4
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	3,815	4,791	5	18	23
Kuwait	–	–	–	–	–	3,619	3,619	–	17	17
Libya	–	–	–	–	–	–	6,795	32	–	32
Nigeria	–	–	–	–	–	1,168	37,778	173	6	178
Saudi Arabia	–	–	–	–	–	6,179	18,208	57	29	86
United Arab Emirates	–	–	–	146	–	1,570	1,570	–	7	7
Venezuela	–	–	–	–	–	–	312	1	–	1
Non-OPEC	**588**	**3**	**6,061**	**690**	**–**	**197,351**	**255,484**	**274**	**931**	**1,205**
Argentina	–	–	–	–	–	1,802	3,423	8	9	16
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	5,889	5,889	–	28	28
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	4	–	4,151	4,151	–	20	20
Brazil	–	–	–	–	–	1,860	2,487	3	9	12
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	762	762	–	4	4
Canada	503	–	5,606	483	–	69,358	94,442	118	327	445
Chad	–	–	–	–	–	–	–	–	–	–
China	70	–	–	–	–	392	392	–	2	2
Colombia	–	–	72	–	–	3,976	4,477	2	19	21
Denmark	–	–	–	–	–	157	157	–	1	1
Ecuador	–	–	–	–	–	113	113	–	1	1
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	3,001	3,001	–	14	14
France	–	–	–	27	–	4,553	4,553	–	21	21
Germany	–	–	–	75	–	2,137	2,137	–	10	10
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	17,009	17,009	–	80	80
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	31	6	–	8,321	8,321	–	39	39
Korea, South	2	–	–	62	–	859	859	–	4	4
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	711	711	–	3	3
Malaysia	–	–	–	–	–	231	231	–	1	1
Mexico	–	–	–	–	–	4,595	19,589	71	22	92
Netherlands	–	–	–	29	–	19,323	19,323	–	91	91
Norway	–	–	–	–	–	7,214	9,160	9	34	43
Oman	–	–	–	–	–	38	38	–	0	0
Portugal	–	–	–	–	–	6,257	6,257	–	30	30
Qatar	–	–	–	–	–	1,106	1,106	–	5	5
Russia	–	–	–	–	–	–	–	–	–	–
Spain	3	–	24	–	–	10,887	10,887	–	51	51
Sweden	–	–	–	2	–	1,410	1,410	–	7	7
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	479	2	–	2
United Kingdom	–	–	–	–	–	11,641	15,813	20	55	75
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	10	3	328	2	–	9,598	18,307	41	44	87
Total	**588**	**3**	**6,061**	**836**	**–**	**220,590**	**342,552**	**575**	**1,041**	**1,616**
Persian Gulf[4]	**–**	**–**	**–**	**146**	**–**	**16,289**	**29,294**	**61**	**77**	**138**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**588,270**	**11,337**	**1,810**	**19**	**–**	**–**	**–**	**–**	**3,230**	**3,230**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	588,270	11,337	1,810	19	–	–	–	–	3,230	3,230
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
Total	**588,270**	**11,337**	**1,810**	**19**	**–**	**–**	**–**	**–**	**3,230**	**3,230**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(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	–	**640**	–	–	**1,967**	**27**	**54**	–	**2,048**	**20**	**28**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	640	–	–	1,967	27	54	–	2,048	20	28
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	–	**640**	–	–	**1,967**	**27**	**54**	–	**2,048**	**20**	**28**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	–	**80**	–	**54**	**485**	**539**	**631**	**498**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	80	–	54	485	539	631	498
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
Total	–	–	**80**	–	**54**	**485**	**539**	**631**	**498**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**108**	**114**	**4,547**	**1,624**	**–**	**27,273**	**615,543**	**2,775**	**129**	**2,904**
Argentina	–	–	–	1	–	1	1	–	0	0
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	11	–	11	11	–	0	0
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	102	114	4,547	1,602	–	27,245	615,515	2,775	129	2,903
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	8	–	8	8	–	0	0
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	1	–	1	1	–	0	0
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	6	0	0	1	–	7	7	0	0	1
Total	**108**	**114**	**4,547**	**1,624**	**–**	**27,273**	**615,543**	**2,775**	**129**	**2,904**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**66,774**	**–**	**–**	**38,223**	**–**	**34**	**34**	**130**	**662**	**792**
Algeria	–	–	–	897	–	–	–	–	331	331
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	3,790	–	–	23,471	–	–	–	–	–	–
Kuwait	3,759	–	–	807	–	–	–	–	69	69
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	34,833	–	–	12,638	–	–	–	–	262	262
United Arab Emirates	–	–	–	410	–	34	34	130	–	130
Venezuela	24,392	–	–	–	–	–	–	–	–	–
Non-OPEC	**260,800**	**9**	**–**	**55,097**	**–**	**320**	**320**	**162**	**8,598**	**8,760**
Argentina	–	–	–	–	–	25	25	–	149	149
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	50	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	1,807	–	–	–	–	262	262
Brazil	4,810	–	–	6,843	–	250	250	–	380	380
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	82,092	9	–	1,499	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	169	169
Colombia	29,327	–	–	37	–	–	–	–	32	32
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	2,393	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	61	61
Guatemala	281	–	–	–	–	–	–	–	–	–
India	–	–	–	1,585	–	–	–	162	3,009	3,171
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	453	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	1,768	1,768
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	4,689	–	–	–	–	–	–
Mexico	134,012	–	–	26,998	–	–	–	–	230	230
Netherlands	383	–	–	644	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	645	–	–	–	–	263	263
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	946	–	–	–	–	306	306
Sweden	–	–	–	199	–	40	40	–	50	50
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	4,045	–	–	–	–	–	–	–	–	–
United Kingdom	4,733	–	–	408	–	5	5	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	500	0	–	5,854	–	0	0	0	1,919	1,919
Total	**327,574**	**9**	**–**	**93,320**	**–**	**354**	**354**	**292**	**9,260**	**9,552**
Persian Gulf[4]	**42,382**	**–**	**–**	**37,326**	**–**	**34**	**34**	**130**	**331**	**461**

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(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	–	**1,592**	**53**	**57**	**859**	–	–	–	**859**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	78	–	–	–	78	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	481	–	–	–	481	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	53	52	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	978	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	256	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	37	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	321	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	5	0	–	–	–	0	–	–
Total	–	**1,592**	**53**	**57**	**859**	–	–	–	**859**	–	–
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
OPEC	**–**	**–**	**–**	**–**	**3**	**706**	**709**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	162	162	–	–
Kuwait	–	–	–	–	–	544	544	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**25**	**3,586**	**65**	**1,325**	**8,977**	**10,367**	**1,688**	**748**
Argentina	–	25	–	–	179	–	179	–	87
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	63	–	–	580	580	–	20
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	590	65	–	146	211	–	24
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	49	–	–	–	–	–	119
Germany	–	–	28	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	136	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	2,611	–	–	–	–	571	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	418	418	–	–
Mexico	–	–	–	–	–	7,505	7,505	335	498
Netherlands	–	–	208	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	55	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	30	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	0	37	0	1,146	328	1,474	561	0
Total	**–**	**25**	**3,586**	**65**	**1,328**	**9,683**	**11,076**	**1,688**	**748**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**706**	**706**	**55**	**–**

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**134**	**–**	**883**	**–**	**40,775**	**107,549**	**315**	**192**	**507**
Algeria	–	–	–	–	–	1,228	1,228	–	6	6
Angola	–	–	–	–	–	3	3	–	0	0
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	23,633	27,423	18	111	129
Kuwait	–	–	–	–	–	1,420	5,179	18	7	24
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	35	–	12,935	47,768	164	61	225
United Arab Emirates	–	134	–	848	–	1,556	1,556	–	7	7
Venezuela	–	–	–	–	–	–	24,392	115	–	115
Non-OPEC	**77**	**1,593**	**–**	**6,275**	**–**	**91,121**	**351,921**	**1,230**	**430**	**1,660**
Argentina	–	543	–	5	–	1,013	1,013	–	5	5
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	50	50	–	0	0
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	484	–	484	484	–	2	2
Belgium	–	–	–	8	–	2,077	2,077	–	10	10
Brazil	–	128	–	–	–	8,342	13,152	23	39	62
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	617	3	–	3
Canada	–	–	–	–	–	2,333	84,425	387	11	398
Chad	–	–	–	–	–	–	–	–	–	–
China	24	–	–	–	–	193	193	–	1	1
Colombia	–	308	–	–	–	858	30,185	138	4	142
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	2,393	2,393	–	11	11
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	105	105	–	0	0
France	–	–	–	20	–	188	188	–	1	1
Germany	–	–	–	21	–	1,088	1,088	–	5	5
Guatemala	–	–	–	–	–	–	281	1	–	1
India	–	–	–	–	–	4,892	4,892	–	23	23
Indonesia	–	–	–	589	–	589	589	–	3	3
Italy	–	–	–	41	–	750	750	–	4	4
Korea, South	–	–	–	2,151	–	7,101	7,101	–	33	33
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	24	–	–	–	–	5,131	5,131	–	24	24
Mexico	–	–	–	–	–	35,866	169,878	632	169	801
Netherlands	–	140	–	374	–	1,403	1,786	2	7	8
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	132	–	–	–	1,040	1,040	–	5	5
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	2,375	–	2,430	2,430	–	11	11
Russia	–	–	–	–	–	–	–	–	–	–
Spain	1	–	–	203	–	1,777	1,777	–	8	8
Sweden	–	–	–	1	–	290	290	–	1	1
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	4,045	19	–	19
United Kingdom	12	25	–	–	–	480	5,213	22	2	25
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	16	317	–	3	–	10,201	10,701	3	51	54
Total	**77**	**1,727**	**–**	**7,158**	**–**	**131,896**	**459,470**	**1,545**	**622**	**2,167**
Persian Gulf[4]	**–**	**134**	**–**	**3,742**	**–**	**42,458**	**84,840**	**200**	**200**	**400**

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
	PAD District 4									
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**52,976**	**4,146**	**1**	**–**	**–**	**–**	**–**	**–**	**505**	**505**
Canada	52,976	4,146	1	–	–	–	–	–	505	505
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	–	–	–	–	–	0	0
Total	**52,976**	**4,146**	**1**	**–**	**–**	**–**	**–**	**–**	**505**	**505**
	PAD District 5									
OPEC	**92,323**	**378**	**–**	**6,114**	**–**	**–**	**–**	**–**	**464**	**464**
Algeria	–	–	–	5,190	–	–	–	–	–	–
Angola	3,585	103	–	–	–	–	–	–	–	–
Congo (Brazzaville)	1,988	–	–	–	–	–	–	–	–	–
Equatorial Guinea	1,029	275	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	41,912	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	7,297	–	–	–	–	–	–	–	–	–
Nigeria	946	–	–	–	–	–	–	–	–	–
Saudi Arabia	35,132	–	–	924	–	–	–	–	–	–
United Arab Emirates	1,428	–	–	–	–	–	–	–	464	464
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	167,433	10,377	–	5,585	–	4,733	4,733	777	7,977	8,754
Argentina	7,422	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	339	–	–	–	–	–	–	–	–	–
Brazil	25,531	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	60,879	10,209	–	983	–	224	224	–	385	385
China	–	–	–	–	–	323	323	–	–	–
Colombia	11,214	–	–	–	–	–	–	–	–	–
Ecuador	28,557	–	–	624	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	21	21
Indonesia	–	–	–	134	–	–	–	–	–	–
Japan	–	–	–	46	–	214	214	–	415	415
Korea, South	–	–	–	–	–	2,885	2,885	–	2,331	2,331
Malaysia	–	–	–	131	–	–	–	–	77	77
Mexico	5,922	–	–	1,079	–	–	–	–	–	–
Netherlands	–	–	–	2	–	–	–	458	338	796
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	517	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	87	–	–	–	–	375	375
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	1,194	1,194
United Kingdom	–	–	–	–	–	–	–	–	402	402
Vietnam	285	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**26,767**	**168**	**–**	**2,499**	**–**	**1,087**	**1,087**	**319**	**2,439**	**2,758**
Total	**259,756**	**10,755**	**–**	**11,699**	**–**	**4,733**	**4,733**	**777**	**8,441**	**9,218**
Persian Gulf[4]	78,989	–	–	924	–	–	–	–	464	464

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(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)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**75**	–	–	**423**	–	–	–	**423**	–	**1**
Canada	–	75	–	–	423	–	–	–	423	–	1
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	0
Total	–	**75**	–	–	**423**	–	–	–	**423**	–	**1**
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	962	4,772	–	3,450	–	3	–	3,453	–	11
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	617	–	–	2,376	–	3	–	2,379	–	11
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	110	–	–	–	110	–	–
Korea, South	–	345	–	–	915	–	–	–	915	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	61	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	4,711	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	49	–	–	–	49	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	**0**	**0**	–	**0**	–	**0**	–	**0**	–	**0**
Total	–	**962**	**4,772**	–	**3,450**	–	**3**	–	**3,453**	–	**11**
Persian Gulf[4]	–	–	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
	PAD District 4								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**239**	**1**	**11**	**4**	–	**15**	–	–
Canada	–	239	1	11	4	–	15	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	0	–	0	–	–
Total	–	**239**	**1**	**11**	**4**	–	**15**	–	–
	PAD District 5								
OPEC	–	–	–	–	**198**	–	**198**	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	95	–	95	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	103	–	103	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	19,470	146	858	1,812	75	2,745	178	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	305	137	–	442	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	252	146	–	414	75	489	–	–
China	–	1,242	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	2,204	–	194	96	–	290	–	–
Korea, South	–	13,397	–	–	–	–	–	–	–
Malaysia	–	–	–	119	–	–	119	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	408	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	304	–	–	–	–	–	178	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	**1,663**	**0**	**240**	**1,165**	**0**	**1,405**	**0**	–
Total	–	**19,470**	**146**	**858**	**2,010**	**75**	**2,943**	**178**	–
Persian Gulf[4]	–	–	–	–	198	–	198	–	–

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-July 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
	PAD District 4									
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	–	**537**	–	–	**5,943**	**58,919**	**250**	**28**	**278**
Canada	–	–	537	–	–	5,943	58,919	250	28	278
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**537**	–	–	**5,943**	**58,919**	**250**	**28**	**278**
	PAD District 5									
OPEC	–	–	–	–	–	**7,154**	**99,477**	**435**	**34**	**469**
Algeria	–	–	–	–	–	5,190	5,190	–	24	24
Angola	–	–	–	–	–	103	3,688	17	0	17
Congo (Brazzaville)	–	–	–	–	–	–	1,988	10	–	10
Equatorial Guinea	–	–	–	–	–	–	–	5	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	41,912	198	–	198
Kuwait	–	–	–	–	–	95	95	–	0	0
Libya	–	–	–	–	–	–	7,297	34	–	34
Nigeria	–	–	–	–	–	–	946	4	–	4
Saudi Arabia	–	–	–	–	–	924	36,056	166	4	170
United Arab Emirates	–	–	–	–	–	567	1,995	7	3	9
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	78	–	589	212	–	62,065	229,498	790	293	1,083
Argentina	–	–	–	–	–	–	7,422	35	–	35
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	442	781	2	2	4
Brazil	–	–	–	–	–	–	25,531	120	–	120
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	450	32	–	16,177	77,056	287	76	363
China	18	–	–	–	–	1,583	1,583	–	7	7
Colombia	–	–	–	–	–	–	11,214	53	–	53
Ecuador	–	–	–	–	–	624	29,181	135	3	138
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	21	21	–	0	0
Indonesia	–	–	–	–	–	134	134	–	1	1
Japan	–	–	–	–	–	3,279	3,279	–	15	15
Korea, South	–	–	31	40	–	19,944	19,944	–	94	94
Malaysia	–	–	–	–	–	327	327	–	2	2
Mexico	–	–	–	–	–	1,079	7,001	28	5	33
Netherlands	–	–	–	13	–	872	872	–	4	4
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	127	–	127	644	2	1	3
Singapore	–	–	–	–	–	5,581	5,581	–	26	26
Sweden	–	–	–	–	–	49	49	–	0	0
Taiwan	60	–	–	–	–	1,736	1,736	–	8	8
United Kingdom	–	–	–	–	–	402	402	–	2	2
Vietnam	–	–	–	–	–	–	285	1	–	1
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**0**	–	**108**	**0**	–	**9,688**	**36,455**	**127**	**47**	**174**
Total	**78**	–	**589**	**212**	–	**69,219**	**328,975**	**1,225**	**327**	**1,552**
Persian Gulf[4]	–	–	–	127	–	1,713	80,702	373	8	381

– – = 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.
Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, July 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**0**	**3,051**	**115,823**	**–**	**0**	**118,874**	**3,835**
Hydrocarbon Gas Liquids	**9,013**	**3,925**	**63,106**	**12**	**1,480**	**77,535**	**2,501**
Natural Gas Liquids	9,013	3,925	63,106	12	1,480	77,535	2,501
Ethane	2,424	2,036	10,326	1	–	14,786	477
Propane	4,697	125	42,242	3	836	47,904	1,545
Normal Butane	1,854	160	9,932	1	620	12,567	405
Isobutane	1	2	177	–	2	182	6
Natural Gasoline	38	1,601	429	7	22	2,096	68
Other Liquids	**577**	**3,948**	**10,064**	**116**	**966**	**15,672**	**506**
Hydrogen/Biofuels/Other Hydrocarbons	150	1,440	1,401	79	285	3,355	108
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	150	1,440	1,401	79	285	3,355	108
Fuel Ethanol	147	1,062	1,244	45	165	2,664	86
Biodiesel	3	378	156	34	120	691	22
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	17	2,395	6,007	37	448	8,904	287
Naphthas and Lighter	7	2,288	5,727	0	301	8,322	268
Kerosene and Light Gas Oils	10	107	280	37	148	582	19
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	411	113	2,656	0	233	3,412	110
Reformulated	1	–	5	–	1	8	0
Conventional	409	113	2,651	0	232	3,405	110
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**1,466**	**884**	**87,098**	**18**	**9,342**	**98,809**	**3,187**
Finished Motor Gasoline	167	140	24,830	1	824	25,962	837
Reformulated	–	–	–	–	–	–	–
Conventional	167	140	24,830	1	824	25,962	837
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	21	64	3,727	–	534	4,346	140
Kerosene	2	0	21	–	0	23	1
Distillate Fuel Oil	648	73	34,129	–	2,972	37,823	1,220
15 ppm sulfur and under	635	1	29,599	–	2,920	33,155	1,070
Greater than 15 ppm to 500 ppm sulfur	13	8	3,060	–	1	3,083	99
Greater than 500 ppm sulfur	0	65	1,469	–	51	1,585	51
Residual Fuel Oil	6	39	4,000	–	352	4,396	142
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	–	–	356	–	550	906	29
Special Naphthas	–	–	–	–	–	–	–
Lubricants	149	195	2,883	15	375	3,616	117
Waxes	64	23	25	0	3	116	4
Petroleum Coke	299	192	16,891	0	3,707	21,089	680
Asphalt and Road Oil	98	156	191	2	26	474	15
Miscellaneous Products	12	0	45	–	0	58	2
Total	**11,056**	**11,809**	**276,090**	**146**	**11,788**	**310,890**	**10,029**

– – = 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.
Data source: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-July 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**1,440**	**18,259**	**819,070**	**–**	**2,353**	**841,123**	**3,968**
Hydrocarbon Gas Liquids	**58,602**	**39,116**	**438,053**	**60**	**12,572**	**548,403**	**2,587**
Natural Gas Liquids	58,602	39,116	438,053	60	12,572	548,403	2,587
Ethane	15,399	15,296	73,382	1	1	104,079	491
Propane	30,682	991	285,439	13	6,808	323,933	1,528
Normal Butane	12,213	826	77,229	4	5,653	95,925	452
Isobutane	5	12	873	–	13	904	4
Natural Gasoline	304	21,991	1,130	42	97	23,563	111
Other Liquids	**1,805**	**26,070**	**67,975**	**447**	**4,532**	**100,830**	**476**
Hydrogen/Biofuels/Other Hydrocarbons	914	8,223	11,980	321	1,873	23,311	110
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	914	8,223	11,980	321	1,873	23,311	110
Fuel Ethanol	888	6,372	10,712	238	1,285	19,495	92
Biodiesel	26	1,851	1,267	83	588	3,815	18
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	463	17,312	43,136	124	1,407	62,442	295
Naphthas and Lighter	151	16,796	40,087	0	330	57,364	271
Kerosene and Light Gas Oils	312	516	3,049	124	1,077	5,077	24
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	428	535	12,860	2	1,252	15,078	71
Reformulated	3	–	247	–	5	255	1
Conventional	425	535	12,613	2	1,247	14,823	70
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**13,214**	**6,237**	**544,073**	**127**	**62,738**	**626,388**	**2,955**
Finished Motor Gasoline	804	1,635	160,902	6	6,435	169,782	801
Reformulated	–	–	–	–	–	–	–
Conventional	804	1,635	160,902	6	6,435	169,782	801
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	1,276	258	28,614	–	4,594	34,741	164
Kerosene	28	6	648	–	2	683	3
Distillate Fuel Oil	3,590	430	205,694	0	20,876	230,590	1,088
15 ppm sulfur and under	2,815	14	176,417	0	18,358	197,605	932
Greater than 15 ppm to 500 ppm sulfur	619	43	19,123	–	599	20,384	96
Greater than 500 ppm sulfur	156	373	10,153	–	1,919	12,602	59
Residual Fuel Oil	1,814	40	23,548	–	4,016	29,417	139
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	155	–	5,923	–	914	6,993	33
Special Naphthas	–	–	–	–	–	–	–
Lubricants	1,595	1,331	18,563	106	1,690	23,285	110
Waxes	481	217	146	2	30	875	4
Petroleum Coke	2,825	1,789	97,058	0	23,997	125,670	593
Asphalt and Road Oil	541	523	2,536	12	183	3,795	18
Miscellaneous Products	105	8	442	0	1	557	3
Total	**75,062**	**89,683**	**1,869,171**	**633**	**82,195**	**2,116,744**	**9,985**

– – = 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.
Data source: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, July 2023
(Thousand Barrels)

Destination	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	–	–	–	0	–	–	–	–	–	–
Australia	873	585	–	5	–	–	–	0	–	0
Bahamas	–	44	–	0	–	357	357	–	255	255
Bahrain	–	0	–	–	–	–	–	–	–	–
Belgium	–	1,591	–	677	–	–	–	–	–	–
Belize	–	38	–	–	–	45	45	–	–	–
Brazil	1,495	1,485	–	39	–	0	0	–	–	–
Canada	11,656	3,998	–	2,615	–	717	717	–	1,350	1,350
Cayman Islands	–	0	–	–	–	9	9	–	–	–
Chile	–	1,629	–	15	–	340	340	1	0	1
China	9,990	13,245	–	7	–	–	–	–	–	–
Colombia	548	66	–	797	–	2,127	2,127	–	–	–
Costa Rica	–	124	–	1	–	615	615	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Dominican Republic	525	1,133	–	0	–	644	644	–	–	–
Ecuador	–	1,068	–	–	–	1,211	1,211	–	–	–
Egypt	–	1,098	–	0	–	–	–	–	–	–
El Salvador	–	239	–	0	–	502	502	–	–	–
Finland	–	1,350	–	–	–	–	–	–	–	–
France	5,045	1,088	–	648	–	–	–	–	–	–
Germany	2,257	–	–	2	–	–	–	–	–	–
Ghana	–	142	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	–	–	–
Guatemala	–	274	–	3	–	1,779	1,779	–	0	0
Honduras	–	717	–	3	–	418	418	–	–	–
Hong Kong	–	–	–	0	–	–	–	–	–	–
India	6,092	2,894	–	11	–	–	–	–	–	–
Indonesia	834	1,381	–	0	–	–	–	–	–	–
Ireland	1,293	–	–	–	–	–	–	–	–	–
Israel	–	–	–	–	–	–	–	–	–	–
Italy	6,972	–	–	317	–	–	–	–	–	–
Jamaica	–	47	–	–	–	62	62	–	–	–
Japan	–	17,735	–	661	–	–	–	1	–	1
Korea, South	8,076	5,187	–	0	–	1	1	–	0	0
Lebanon	–	–	–	–	–	–	–	–	–	–
Mexico	–	5,459	–	923	–	14,272	14,272	5	1,450	1,455
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	558	–	–	–	–	–	–	–	–
Mozambique	–	–	–	–	–	–	–	–	–	–
Netherlands	27,076	2,121	–	1,119	–	141	141	–	–	–
New Zealand	–	–	–	–	–	–	–	–	–	–
Nicaragua	528	–	–	–	–	28	28	–	–	–
Nigeria	–	583	–	–	–	320	320	–	–	–
Norway	–	1,611	–	63	–	–	–	–	–	–
Pakistan	–	–	–	0	–	0	0	–	–	–
Panama	707	181	–	0	–	689	689	–	–	–
Peru	1,776	480	–	4	–	893	893	–	–	–
Philippines	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Puerto Rico	–	6	–	1	–	2	2	–	0	0
Romania	–	0	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	0	–	–	–	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	6,271	0	–	11	–	1	1	0	–	0
South Africa	–	1,031	–	–	–	318	318	–	–	–
Spain	5,839	1,419	–	485	–	–	–	–	–	–
Switzerland	–	–	–	1	–	–	–	–	–	–
Taiwan	6,159	552	–	458	–	–	–	0	–	0
Thailand	1,933	–	–	1	–	–	–	–	–	–
Trinidad and Tobago	–	0	–	0	–	0	0	–	–	–
Turkiye	–	1,735	–	0	–	–	–	–	–	–
United Arab Emirates	–	–	–	1	–	–	–	–	–	–
United Kingdom	10,108	934	–	32	–	27	27	–	–	–
Venezuela	–	0	–	–	–	0	0	0	–	0
Other	2,821	3,707	–	4	–	444	444	1	350	350
Total	**118,874**	**77,535**	**–**	**8,904**	**–**	**25,962**	**25,962**	**8**	**3,405**	**3,412**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, July 2023
(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	0	60	–	–	60	–	–
Australia	0	–	NA	NA	0	–	–	–	0	0	–
Bahamas	0	–	NA	NA	77	20	488	–	585	–	–
Bahrain	–	–	NA	NA	–	–	–	–	–	–	–
Belgium	0	–	NA	NA	922	–	–	–	922	–	–
Belize	–	–	NA	NA	70	30	–	–	100	–	–
Brazil	0	–	NA	NA	1,043	–	–	–	1,043	–	–
Canada	1,493	647	NA	NA	1	550	114	–	666	1	–
Cayman Islands	–	–	NA	NA	65	–	–	–	65	0	–
Chile	0	–	NA	NA	1,951	–	–	–	1,951	–	–
China	0	–	NA	NA	0	–	–	–	0	–	–
Colombia	101	–	NA	NA	301	–	–	–	301	0	–
Costa Rica	0	–	NA	NA	550	–	–	–	550	–	–
Denmark	–	–	NA	NA	303	–	–	–	303	–	–
Dominican Republic	4	–	NA	NA	235	160	150	–	545	–	–
Ecuador	0	–	NA	NA	3,165	–	–	–	3,165	–	–
Egypt	–	–	NA	NA	–	–	–	–	–	–	–
El Salvador	0	–	NA	NA	2	532	–	–	533	0	–
Finland	–	–	NA	NA	–	–	–	–	–	–	–
France	0	–	NA	NA	1,225	–	–	–	1,225	0	–
Germany	1	3	NA	NA	592	–	–	–	592	–	–
Ghana	–	–	NA	NA	306	–	–	–	306	–	–
Gibraltar	–	–	NA	NA	330	–	–	–	330	–	–
Greece	0	–	NA	NA	–	–	–	–	–	–	–
Guatemala	–	–	NA	NA	650	474	–	–	1,124	–	–
Honduras	–	–	NA	NA	124	331	–	–	454	0	–
Hong Kong	–	–	NA	NA	1	–	–	–	1	–	–
India	0	–	NA	NA	0	–	0	–	0	–	–
Indonesia	0	–	NA	NA	–	–	–	–	–	–	–
Ireland	1	–	NA	NA	–	–	–	–	–	–	–
Israel	0	–	NA	NA	0	–	–	–	0	–	–
Italy	0	–	NA	NA	–	–	–	–	–	–	–
Jamaica	50	–	NA	NA	50	–	–	–	50	–	–
Japan	1	–	NA	NA	0	–	–	–	0	0	–
Korea, South	256	–	NA	NA	2	–	–	–	2	–	–
Lebanon	–	–	NA	NA	–	–	–	–	–	–	–
Mexico	92	0	NA	NA	10,004	–	3	–	10,006	0	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	1	–	–	–	1	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	136	–	NA	NA	3,458	248	75	–	3,781	–	–
New Zealand	–	–	NA	NA	–	–	–	–	–	–	–
Nicaragua	0	–	NA	NA	129	231	–	–	360	20	–
Nigeria	–	–	NA	NA	–	–	–	–	–	–	–
Norway	1	–	NA	NA	0	–	–	–	0	–	–
Pakistan	–	–	NA	NA	–	–	–	–	–	–	–
Panama	–	–	NA	NA	1,399	–	285	–	1,685	–	–
Peru	25	40	NA	NA	3,627	–	–	–	3,627	–	–
Philippines	–	–	NA	NA	–	–	–	–	–	–	–
Portugal	–	–	NA	NA	–	–	–	–	–	–	–
Puerto Rico	4	–	NA	NA	85	1	–	–	86	–	–
Romania	–	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	64	–	NA	NA	–	–	–	–	–	0	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	–	1	NA	NA	0	–	–	–	0	0	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	–	–	NA	NA	325	–	–	–	325	–	–
Switzerland	2	–	NA	NA	–	–	–	–	–	–	–
Taiwan	1	–	NA	NA	–	–	–	–	–	–	–
Thailand	0	–	NA	NA	0	–	–	–	0	–	–
Trinidad and Tobago	0	–	NA	NA	–	–	180	–	180	–	–
Turkiye	–	–	NA	NA	–	–	–	–	–	0	–
United Arab Emirates	0	–	NA	NA	0	–	–	–	0	0	–
United Kingdom	398	–	NA	NA	1,243	–	–	–	1,243	–	–
Venezuela	0	–	NA	NA	1	–	–	–	1	–	–
Other	34	–	NA	NA	918	446	290	–	1,655	2	–
Total	**2,664**	**691**	NA	NA	**33,155**	**3,083**	**1,585**	**–**	**37,823**	**23**	**–**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, July 2023
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	–	–	–	304	–	–	0	–
Australia	–	–	–	–	–	–	1	151
Bahamas	–	87	–	325	–	–	–	–
Bahrain	–	–	–	–	–	–	0	–
Belgium	–	–	–	6	–	–	–	14
Belize	–	20	–	–	–	–	–	–
Brazil	–	–	–	135	–	–	2	1,836
Canada	–	676	–	331	–	–	82	723
Cayman Islands	–	6	–	0	–	–	–	–
Chile	–	101	–	0	–	–	0	–
China	–	–	–	2	–	–	2	3,804
Colombia	–	–	–	–	–	–	0	61
Costa Rica	–	168	–	0	–	–	–	193
Denmark	–	–	–	357	–	–	–	–
Dominican Republic	–	130	–	250	–	–	1	411
Ecuador	–	–	–	–	–	–	0	198
Egypt	–	–	–	–	–	–	–	275
El Salvador	–	79	–	–	–	–	0	–
Finland	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	0	301
Germany	–	–	–	17	–	–	0	–
Ghana	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	408
Guatemala	–	91	–	–	–	–	0	536
Honduras	–	45	–	–	–	–	–	576
Hong Kong	–	–	–	–	–	–	0	0
India	–	–	–	–	–	137	3	3,253
Indonesia	–	–	–	–	–	–	–	–
Ireland	–	–	–	–	–	–	–	–
Israel	–	333	–	–	–	–	0	323
Italy	–	–	–	–	–	70	0	563
Jamaica	–	100	–	158	–	–	–	–
Japan	–	–	–	0	–	–	0	2,000
Korea, South	–	–	–	485	–	–	0	0
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	1,566	–	148	–	86	19	1,188
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	–	187
Mozambique	–	–	–	–	–	–	–	99
Netherlands	–	–	–	855	–	–	1	318
New Zealand	–	–	–	–	–	–	–	–
Nicaragua	–	0	–	125	–	–	–	165
Nigeria	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	71
Pakistan	–	–	–	–	–	–	–	276
Panama	–	426	–	330	–	150	–	–
Peru	–	326	–	–	–	–	0	60
Philippines	–	–	–	–	–	–	0	–
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	–	–	–	–	–	–	0	–
Romania	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	0	1
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	–	–	150	–	400	0	–
South Africa	–	–	–	–	–	63	–	94
Spain	–	–	–	–	–	–	0	495
Switzerland	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	0	0
Thailand	–	–	–	–	–	–	0	635
Trinidad and Tobago	–	–	–	–	–	–	–	0
Turkiye	–	–	–	1	–	–	0	1,414
United Arab Emirates	–	–	–	–	–	–	0	138
United Kingdom	–	–	–	–	–	–	0	–
Venezuela	–	–	–	–	–	–	–	–
Other	–	192	–	417	–	–	5	322
Total	**–**	**4,346**	**–**	**4,396**	**–**	**906**	**116**	**21,089**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, July 2023
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	0	22	0	387	387	–	12	12
Australia	0	6	0	748	1,621	28	24	52
Bahamas	2	2	0	1,658	1,658	–	53	53
Bahrain	–	0	–	0	0	–	0	0
Belgium	0	502	1	3,714	3,714	–	120	120
Belize	–	0	–	203	203	–	7	7
Brazil	0	422	0	4,963	6,459	48	160	208
Canada	253	288	3	13,843	25,500	376	447	823
Cayman Islands	1	1	–	83	83	–	3	3
Chile	42	104	0	4,183	4,183	–	135	135
China	9	6	0	17,076	27,066	322	551	873
Colombia	0	129	0	3,582	4,130	18	116	133
Costa Rica	25	15	0	1,691	1,691	–	55	55
Denmark	–	–	–	660	660	–	21	21
Dominican Republic	0	15	–	3,133	3,658	17	101	118
Ecuador	–	36	–	5,679	5,679	–	183	183
Egypt	–	0	–	1,373	1,373	–	44	44
El Salvador	–	18	–	1,372	1,372	–	44	44
Finland	–	0	–	1,351	1,351	–	44	44
France	–	177	–	3,439	8,484	163	111	274
Germany	3	1	1	621	2,877	73	20	93
Ghana	–	0	–	448	448	–	14	14
Gibraltar	–	–	–	330	330	–	11	11
Greece	–	0	–	408	408	–	13	13
Guatemala	–	17	–	3,825	3,825	–	123	123
Honduras	17	10	0	2,241	2,241	–	72	72
Hong Kong	–	2	0	2	2	–	0	0
India	0	63	0	6,362	12,454	197	205	402
Indonesia	1	1	–	1,383	2,218	27	45	72
Ireland	–	0	0	1	1,294	42	0	42
Israel	0	27	0	684	684	–	22	22
Italy	–	0	–	950	7,922	225	31	256
Jamaica	–	5	–	471	471	–	15	15
Japan	1	9	2	20,411	20,411	–	658	658
Korea, South	0	7	0	5,940	14,016	261	192	452
Lebanon	–	2	–	2	2	–	0	0
Mexico	112	1,148	44	36,520	36,520	–	1,178	1,178
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	0	–	746	746	–	24	24
Mozambique	–	–	–	99	99	–	3	3
Netherlands	1	3	0	8,477	35,552	873	273	1,147
New Zealand	–	1	–	1	1	–	0	0
Nicaragua	–	5	–	703	1,231	17	23	40
Nigeria	–	178	–	1,081	1,081	–	35	35
Norway	–	0	–	1,745	1,745	–	56	56
Pakistan	–	0	–	277	277	–	9	9
Panama	–	12	–	3,472	4,179	23	112	135
Peru	0	91	0	5,548	7,323	57	179	236
Philippines	–	0	0	1	1	–	0	0
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	0	12	–	111	111	–	4	4
Romania	–	0	–	0	0	–	0	0
Saudi Arabia	–	2	–	67	67	–	2	2
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	54	0	618	6,889	202	20	222
South Africa	–	59	–	1,565	1,565	–	50	50
Spain	–	1	–	2,727	8,566	188	88	276
Switzerland	–	0	–	3	3	–	0	0
Taiwan	–	3	0	1,015	7,174	199	33	231
Thailand	1	3	0	641	2,574	62	21	83
Trinidad and Tobago	–	4	–	184	184	–	6	6
Turkiye	0	30	–	3,180	3,180	–	103	103
United Arab Emirates	0	19	0	158	158	–	5	5
United Kingdom	0	2	0	2,636	12,745	326	85	411
Venezuela	–	9	–	11	11	–	0	0
Other	6	93	7	7,213	10,033	91	233	326
Total	**474**	**3,616**	**58**	**192,016**	**310,890**	**3,835**	**6,194**	**10,029**

– – = 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.
Data source: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-July 2023
(Thousand Barrels)

Destination	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	–	0	–	264	–	893	893	–	–	–
Australia	6,203	2,341	–	13	–	0	0	2	0	2
Bahamas	–	339	–	1,489	–	3,504	3,504	–	1,848	1,848
Bahrain	–	0	–	0	–	1	1	0	0	0
Belgium	–	12,561	–	4,935	–	0	0	–	–	–
Belize	–	230	–	–	–	520	520	–	–	–
Brazil	10,902	7,059	–	6,020	–	1,982	1,982	0	0	0
Canada	69,491	39,762	–	18,009	–	4,472	4,472	–	6,023	6,023
Cayman Islands	–	17	–	–	–	109	109	0	0	0
Chile	1,419	9,610	–	675	–	5,390	5,390	1	0	1
China	103,365	94,602	–	47	–	–	–	–	0	0
Colombia	6,718	439	–	5,779	–	5,722	5,722	–	–	–
Costa Rica	–	810	–	59	–	5,253	5,253	0	–	0
Denmark	10,086	–	–	56	–	–	–	0	–	0
Dominican Republic	4,500	7,947	–	270	–	4,451	4,451	1	0	1
Ecuador	–	7,468	–	618	–	4,847	4,847	–	–	–
Egypt	–	10,692	–	0	–	–	–	–	–	–
El Salvador	–	1,892	–	1	–	3,067	3,067	–	1	1
Finland	5,364	3,530	–	1	–	–	–	–	–	–
France	33,647	4,909	–	756	–	0	0	–	–	–
Germany	18,089	183	–	357	–	–	–	–	–	–
Ghana	–	836	–	0	–	–	–	–	–	–
Gibraltar	–	1,490	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	0	0	–	–	–
Guatemala	–	2,926	–	25	–	12,142	12,142	0	0	0
Honduras	–	4,285	–	23	–	3,889	3,889	–	1	1
Hong Kong	–	–	–	4	–	1	1	–	–	–
India	38,830	21,990	–	28	–	–	–	–	–	–
Indonesia	4,361	15,933	–	1	–	–	–	–	–	–
Ireland	8,322	–	–	0	–	0	0	1	–	1
Israel	746	1	–	3	–	0	0	–	–	–
Italy	33,285	1,335	–	974	–	–	–	–	–	–
Jamaica	–	611	–	1	–	1,269	1,269	0	0	0
Japan	3,068	104,880	–	2,517	–	304	304	3	–	3
Korea, South	71,643	38,515	–	10	–	4	4	1	2	2
Lebanon	–	–	–	–	–	0	0	–	–	–
Mexico	–	40,502	–	5,902	–	96,082	96,082	244	6,026	6,270
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	13,271	–	–	–	–	–	–	–	–
Mozambique	–	–	–	1	–	–	–	–	–	–
Netherlands	134,060	17,543	–	6,049	–	466	466	–	–	–
New Zealand	–	0	–	0	–	0	0	–	–	–
Nicaragua	2,189	156	–	0	–	501	501	–	0	0
Nigeria	–	2,966	–	1	–	320	320	–	–	–
Norway	4,280	9,734	–	864	–	–	–	–	–	–
Pakistan	–	–	–	0	–	0	0	–	–	–
Panama	6,525	2,143	–	301	–	5,028	5,028	0	16	17
Peru	5,929	2,925	–	683	–	5,695	5,695	–	239	239
Philippines	–	263	–	2	–	–	–	–	–	–
Portugal	3,339	1,369	–	–	–	–	–	–	–	–
Puerto Rico	–	54	–	106	–	16	16	0	1	1
Romania	–	0	–	2	–	–	–	–	–	–
Saudi Arabia	–	0	–	5	–	2	2	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	54,377	5,607	–	879	–	135	135	0	0	0
South Africa	1,044	4,381	–	7	–	644	644	–	315	315
Spain	41,473	6,743	–	539	–	–	–	–	–	–
Switzerland	–	799	–	1	–	0	0	–	–	–
Taiwan	48,069	1,714	–	464	–	2	2	0	–	0
Thailand	12,261	1	–	9	–	–	–	–	–	–
Trinidad and Tobago	–	5	–	2	–	561	561	–	–	–
Turkiye	1,707	6,496	–	0	–	–	–	0	–	0
United Arab Emirates	–	2	–	1	–	4	4	0	0	0
United Kingdom	64,113	7,683	–	1,258	–	30	30	–	–	–
Venezuela	–	2	–	1,797	–	0	0	1	–	1
Other	31,718	26,851	–	634	–	2,476	2,476	1	351	352
Total	**841,123**	**548,403**	**–**	**62,442**	**–**	**169,782**	**169,782**	**255**	**14,823**	**15,078**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-July 2023
(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	0	NA	NA	5,512	661	2,168	–	8,341	0	–
Australia	0	–	NA	NA	3	–	2	–	5	0	–
Bahamas	0	–	NA	NA	1,597	175	2,093	–	3,864	5	–
Bahrain	1	–	NA	NA	0	–	–	–	0	–	–
Belgium	1	–	NA	NA	2,152	–	–	–	2,152	171	–
Belize	1	–	NA	NA	164	285	1	–	450	–	–
Brazil	2	–	NA	NA	10,037	275	0	–	10,312	295	–
Canada	8,531	3,527	NA	NA	289	1,356	524	–	2,170	23	–
Cayman Islands	0	–	NA	NA	501	–	–	–	501	0	–
Chile	1	–	NA	NA	24,569	–	–	–	24,569	2	–
China	4	0	NA	NA	4	–	–	–	4	–	–
Colombia	648	–	NA	NA	2,172	1	0	–	2,173	1	–
Costa Rica	1	–	NA	NA	5,246	–	–	–	5,246	1	–
Denmark	–	–	NA	NA	810	302	–	–	1,112	–	–
Dominican Republic	5	0	NA	NA	3,196	185	1,326	–	4,708	1	–
Ecuador	0	–	NA	NA	12,891	855	280	–	14,026	–	–
Egypt	88	–	NA	NA	0	–	–	–	0	–	–
El Salvador	0	–	NA	NA	489	2,395	–	–	2,884	0	–
Finland	16	–	NA	NA	–	–	0	–	0	–	–
France	0	–	NA	NA	3,692	–	–	–	3,692	0	–
Germany	1	11	NA	NA	592	–	–	–	592	0	–
Ghana	–	–	NA	NA	306	–	–	–	306	–	–
Gibraltar	–	–	NA	NA	657	–	–	–	657	–	–
Greece	66	–	NA	NA	0	–	–	–	0	–	–
Guatemala	0	–	NA	NA	2,725	5,505	189	–	8,419	1	–
Honduras	0	–	NA	NA	755	2,101	541	–	3,397	7	–
Hong Kong	0	–	NA	NA	1	–	–	–	1	–	–
India	1,073	–	NA	NA	131	–	0	–	131	–	–
Indonesia	0	1	NA	NA	–	–	–	–	–	–	–
Ireland	4	–	NA	NA	–	–	–	–	–	–	–
Israel	5	–	NA	NA	0	–	–	–	0	0	–
Italy	0	–	NA	NA	–	–	–	–	–	–	–
Jamaica	395	0	NA	NA	530	115	80	–	725	0	–
Japan	1	–	NA	NA	1	–	–	–	1	0	–
Korea, South	1,699	0	NA	NA	10	–	–	–	10	0	–
Lebanon	–	–	NA	NA	1	–	–	–	1	–	–
Mexico	773	2	NA	NA	63,144	422	23	–	63,589	8	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	1	–	–	–	1	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	1,904	–	NA	NA	10,048	997	75	–	11,120	0	–
New Zealand	–	–	NA	NA	0	–	–	–	0	–	–
Nicaragua	0	–	NA	NA	1,132	667	124	–	1,923	158	–
Nigeria	214	–	NA	NA	0	–	–	–	0	0	–
Norway	101	4	NA	NA	295	–	–	–	295	–	–
Pakistan	–	–	NA	NA	1	–	–	–	1	–	–
Panama	0	0	NA	NA	10,544	993	738	–	12,276	1	–
Peru	717	258	NA	NA	13,547	–	60	–	13,608	0	–
Philippines	284	–	NA	NA	0	–	–	–	0	0	–
Portugal	–	–	NA	NA	634	–	–	–	634	–	–
Puerto Rico	33	–	NA	NA	1,078	3	–	–	1,082	0	–
Romania	0	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	300	–	NA	NA	6	–	–	–	6	1	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	122	9	NA	NA	1,249	123	1,474	–	2,845	0	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	59	–	NA	NA	895	620	–	–	1,515	–	–
Switzerland	14	–	NA	NA	1,626	–	–	–	1,626	–	–
Taiwan	4	–	NA	NA	1	–	–	–	1	0	–
Thailand	0	–	NA	NA	0	–	–	–	0	–	–
Trinidad and Tobago	0	–	NA	NA	493	–	320	–	813	–	–
Turkiye	–	–	NA	NA	80	–	–	–	80	0	–
United Arab Emirates	122	–	NA	NA	2	–	–	–	2	3	–
United Kingdom	2,062	0	NA	NA	9,630	–	–	–	9,630	0	–
Venezuela	0	–	NA	NA	6	1	–	–	7	–	–
Other	243	3	NA	NA	4,160	2,347	2,584	–	9,087	5	–
Total	**19,495**	**3,815**	NA	NA	**197,605**	**20,384**	**12,602**	**–**	**230,590**	**683**	**–**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-July 2023
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	–	19	–	828	–	135	3	119
Australia	–	–	–	–	–	–	5	1,118
Bahamas	–	584	–	2,208	–	–	–	–
Bahrain	–	0	–	–	–	–	0	116
Belgium	–	–	–	6	–	–	0	594
Belize	–	101	–	–	–	–	–	–
Brazil	–	309	–	692	–	–	15	12,233
Canada	–	5,830	–	2,891	–	6	647	4,948
Cayman Islands	–	114	–	0	–	–	–	–
Chile	–	2,690	–	1,176	–	–	2	0
China	–	0	–	18	–	–	19	17,767
Colombia	–	–	–	–	–	–	1	62
Costa Rica	–	1,256	–	114	–	–	0	429
Denmark	–	–	–	1,135	–	–	0	184
Dominican Republic	–	1,359	–	852	–	–	2	985
Ecuador	–	–	–	–	–	–	0	988
Egypt	–	–	–	414	–	728	–	1,115
El Salvador	–	507	–	–	–	–	0	495
Finland	–	–	–	0	–	–	–	–
France	–	375	–	270	–	–	1	928
Germany	–	–	–	19	–	–	11	305
Ghana	–	–	–	–	–	–	–	117
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	1,997
Guatemala	–	806	–	0	–	–	2	2,553
Honduras	–	337	–	0	–	–	0	2,079
Hong Kong	–	–	–	–	–	–	1	598
India	–	1	–	358	–	3,016	10	20,982
Indonesia	–	–	–	–	–	–	1	121
Ireland	–	–	–	–	–	–	–	379
Israel	–	1,000	–	–	–	–	0	954
Italy	–	–	–	–	–	280	1	3,548
Jamaica	–	922	–	258	–	–	0	182
Japan	–	–	–	2	–	–	5	10,728
Korea, South	–	0	–	1,889	–	–	2	820
Lebanon	–	–	–	–	–	–	–	123
Mexico	–	10,106	–	1,706	–	427	123	9,610
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	331	–	–	–	3,814
Mozambique	–	–	–	–	–	–	–	593
Netherlands	–	–	–	5,846	–	–	7	1,469
New Zealand	–	–	–	–	–	–	0	198
Nicaragua	–	38	–	125	–	–	–	165
Nigeria	–	–	–	–	–	–	0	–
Norway	–	–	–	–	–	–	0	706
Pakistan	–	–	–	–	–	–	0	276
Panama	–	3,308	–	2,966	–	150	0	288
Peru	–	1,547	–	0	–	–	0	61
Philippines	–	–	–	–	–	–	1	1,136
Portugal	–	–	–	450	–	–	0	603
Puerto Rico	–	518	–	–	–	–	0	–
Romania	–	–	–	–	–	–	0	138
Saudi Arabia	–	–	–	0	–	–	0	105
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	10	–	350	–	764	0	398
South Africa	–	–	–	0	–	263	0	542
Spain	–	0	–	2	–	–	2	3,134
Switzerland	–	–	–	–	–	–	0	–
Taiwan	–	–	–	–	–	–	1	2
Thailand	–	–	–	0	–	1,222	1	1,210
Trinidad and Tobago	–	130	–	65	–	–	0	0
Turkiye	–	–	–	2	–	–	0	6,874
United Arab Emirates	–	–	–	604	–	–	0	1,045
United Kingdom	–	0	–	1	–	–	1	731
Venezuela	–	0	–	–	–	–	0	–
Other	–	2,874	–	3,839	–	2	11	5,005
Total	**–**	**34,741**	**–**	**29,417**	**–**	**6,993**	**875**	**125,670**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-July 2023
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina	107	307	24	11,042	11,042	–	52	52
Australia	1	33	3	3,521	9,724	29	17	46
Bahamas	14	19	3	13,877	13,877	–	65	65
Bahrain	0	1	–	119	119	–	1	1
Belgium	2	2,580	7	23,008	23,008	–	109	109
Belize	–	3	0	1,304	1,304	–	6	6
Brazil	0	2,413	4	41,334	52,237	51	195	246
Canada	1,044	1,892	43	99,817	169,308	328	471	799
Cayman Islands	7	8	–	757	757	–	4	4
Chile	172	509	0	44,797	46,216	7	211	218
China	34	59	4	112,560	215,925	488	531	1,019
Colombia	1	708	8	15,542	22,260	32	73	105
Costa Rica	284	99	0	13,553	13,553	–	64	64
Denmark	–	0	–	2,487	12,573	48	12	59
Dominican Republic	218	174	1	20,973	25,473	21	99	120
Ecuador	0	327	25	28,300	28,300	–	133	133
Egypt	–	1	–	13,039	13,039	–	62	62
El Salvador	–	175	–	9,022	9,022	–	43	43
Finland	–	2	–	3,549	8,913	25	17	42
France	–	425	–	11,356	45,003	159	54	212
Germany	19	15	1	1,514	19,603	85	7	92
Ghana	–	2	–	1,260	1,260	–	6	6
Gibraltar	–	–	–	2,147	2,147	–	10	10
Greece	–	3	–	2,066	2,066	–	10	10
Guatemala	–	113	23	27,008	27,008	–	127	127
Honduras	235	74	0	14,327	14,327	–	68	68
Hong Kong	–	5	1	611	611	–	3	3
India	3	862	2	48,456	87,286	183	229	412
Indonesia	5	20	0	16,081	20,442	21	76	96
Ireland	–	0	1	384	8,706	39	2	41
Israel	0	422	1	2,387	3,133	4	11	15
Italy	1	1	0	6,141	39,426	157	29	186
Jamaica	–	35	1	4,398	4,398	–	21	21
Japan	9	45	20	118,514	121,582	14	559	574
Korea, South	2	75	2	43,031	114,674	338	203	541
Lebanon	–	5	–	129	129	–	1	1
Mexico	810	7,926	320	244,155	244,155	–	1,152	1,152
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	0	–	17,417	17,417	–	82	82
Mozambique	–	0	–	595	595	–	3	3
Netherlands	6	269	2	44,680	178,740	632	211	843
New Zealand	286	5	–	489	489	–	2	2
Nicaragua	–	26	–	3,090	5,279	10	15	25
Nigeria	182	844	–	4,528	4,528	–	21	21
Norway	–	2	0	11,708	15,988	20	55	75
Pakistan	–	0	–	278	278	–	1	1
Panama	158	270	5	26,911	33,436	31	127	158
Peru	0	506	39	26,279	32,208	28	124	152
Philippines	–	4	1	1,691	1,691	–	8	8
Portugal	–	0	–	3,057	6,395	16	14	30
Puerto Rico	84	105	0	1,998	1,998	–	9	9
Romania	–	1	–	140	140	–	1	1
Saudi Arabia	–	45	0	465	465	–	2	2
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	139	0	11,260	65,638	256	53	310
South Africa	0	408	–	6,561	7,605	5	31	36
Spain	0	10	–	12,005	53,478	196	57	252
Switzerland	1	0	–	2,441	2,441	–	12	12
Taiwan	0	21	1	2,210	50,279	227	10	237
Thailand	5	26	1	2,476	14,737	58	12	70
Trinidad and Tobago	0	43	0	1,620	1,620	–	8	8
Turkiye	2	316	–	13,770	15,477	8	65	73
United Arab Emirates	8	373	0	2,164	2,164	–	10	10
United Kingdom	0	44	0	21,441	85,554	302	101	404
Venezuela	–	61	–	1,868	1,868	–	9	9
Other	95	429	14	51,913	83,630	150	241	392
Total	**3,795**	**23,285**	**557**	**1,275,621**	**2,116,744**	**3,968**	**6,017**	**9,985**

– – = 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.
Data source: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, July 2023
(Thousand Barrels per Day)

Country of Origin	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins[2]	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**1,045**	**-15**	**–**	**231**	**–**	**-6**	**-6**	**0**	**60**	**60**
Algeria	18	–	–	58	–	–	–	–	21	21
Angola	36	3	–	–	–	4	4	–	1	1
Congo (Brazzaville)	32	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	204	–	–	99	–	–	–	–	–	–
Kuwait	26	–	–	–	–	–	–	–	–	–
Libya	20	–	–	–	–	–	–	–	–	–
Nigeria	164	-19	–	–	–	-10	-10	–	–	–
Saudi Arabia	392	–	–	74	–	–	–	–	33	33
United Arab Emirates	–	–	–	0	–	–	–	–	5	5
Venezuela	153	0	–	–	–	0	0	0	–	0
Non-OPEC	**1,407**	**-2,371**	**17**	**47**	**–**	**-734**	**-734**	**144**	**338**	**482**
Argentina	54	–	–	0	–	–	–	–	6	6
Aruba	–	0	–	0	–	-2	-2	–	–	–
Australia	-28	-19	–	0	–	–	–	0	–	0
Bahamas	–	-1	–	0	–	-12	-12	–	-6	-6
Bahrain	–	0	–	–	–	–	–	–	–	–
Belgium	–	-51	–	-12	–	16	16	0	8	8
Brazil	142	-48	–	26	–	0	0	–	26	26
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,245	-18	17	-71	–	-10	-10	51	17	69
Chad	–	–	–	–	–	–	–	–	–	–
China	-322	-427	–	0	–	–	–	–	16	16
Colombia	190	-2	–	-21	–	-69	-69	–	–	–
Denmark	–	–	–	–	–	–	–	1	–	1
Dominican Republic	-17	-37	–	0	–	-21	-21	–	–	–
Ecuador	192	-34	–	–	–	-39	-39	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	-44	–	–	–	–	–	–	2	2
France	-163	-35	–	-21	–	0	0	–	14	14
Germany	-73	–	–	0	–	2	2	0	3	4
Guatemala	–	-9	–	0	–	-57	-57	–	0	0
Honduras	–	-23	–	0	–	-13	-13	–	–	–
India	-197	-93	–	0	–	–	–	–	70	70
Indonesia	-27	-45	–	0	–	–	–	–	–	–
Italy	-225	–	–	-8	–	–	–	0	13	13
Japan	–	-572	–	-21	–	–	–	0	–	0
Korea, South	-261	-167	–	0	–	22	22	–	7	7
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-24	–	–	–	–	–	–	–	–	–
Malaysia	-7	–	–	33	–	–	–	–	–	–
Mexico	746	-176	–	122	–	-460	-460	0	-47	-47
Netherlands	-873	-68	–	-27	–	24	24	42	49	91
Norway	7	-52	–	-2	–	–	–	–	39	39
Oman	–	–	–	21	–	–	–	–	–	–
Panama	-23	-6	–	0	–	-22	-22	–	–	–
Portugal	–	–	–	4	–	–	–	1	18	19
Puerto Rico	–	0	–	0	–	0	0	–	0	0
Qatar	–	–	–	–	–	–	–	–	0	0
Russia	–	–	–	–	–	–	–	–	–	–
Spain	-188	-46	–	11	–	11	11	–	44	44
Sweden	-32	-44	–	–	–	–	–	1	–	1
Trinidad and Tobago	49	0	–	0	–	0	0	–	–	–
United Kingdom	-280	-30	–	-1	–	-1	-1	43	11	54
Vietnam	–	–	–	0	–	–	–	–	–	–
Virgin Islands, U.S.	–	-3	–	0	–	0	0	–	-11	-11
Yemen	–	–	–	–	–	–	–	–	–	–
Other	-478	-321	0	14	–	-103	-103	5	59	62
Total	**2,452**	**-2,386**	**17**	**278**	**–**	**-741**	**-741**	**144**	**398**	**542**
Persian Gulf[5]	**623**	**0**	**–**	**173**	**–**	**–**	**–**	**–**	**38**	**38**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, July 2023
(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	**-2**	**–**	**–**	**–**	**0**	**–**	**–**	**–**	**0**	**0**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	-2	–	–	–	–	–	–	–	–	0	–
United Arab Emirates	0	–	–	–	0	–	–	–	0	0	–
Venezuela	0	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-84**	**1**	**25**	**2**	**-950**	**-99**	**-51**	**–**	**-1,101**	**-1**	**2**
Argentina	0	–	–	–	0	-2	–	–	-2	–	–
Aruba	–	–	–	–	-1	–	–	–	-1	0	–
Australia	0	–	–	–	0	–	–	–	0	0	–
Bahamas	0	–	–	–	-2	-1	-16	–	-19	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	0	–	–	–	-30	–	–	–	-30	–	–
Brazil	0	–	–	–	-33	–	–	–	-33	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	-48	-11	–	–	108	-18	-4	–	87	0	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	–	–	–	0	–	–	–	0	–	–
Colombia	-3	–	–	–	-10	–	–	–	-10	0	–
Denmark	–	–	–	–	-10	–	–	–	-10	–	–
Dominican Republic	0	–	–	–	-8	-5	-5	–	-18	–	–
Ecuador	0	–	–	–	-102	–	–	–	-102	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	2	–	–	–	–	–	–	–
France	0	–	–	–	-40	–	–	–	-40	0	–
Germany	0	8	–	–	-19	–	–	–	-19	–	–
Guatemala	–	–	–	–	-21	-15	–	–	-36	–	–
Honduras	–	–	–	–	-4	-11	–	–	-15	0	–
India	0	–	–	–	0	–	0	–	0	–	–
Indonesia	0	–	–	–	–	–	–	–	–	–	–
Italy	0	4	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	4	–	–	–	4	0	–
Korea, South	-8	–	–	–	3	–	–	–	3	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	-10	–	–	–	-10	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-3	0	–	–	-323	–	0	–	-323	0	–
Netherlands	-4	–	–	–	-112	-8	-2	–	-122	–	1
Norway	0	–	–	–	0	–	–	–	0	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Panama	–	–	–	–	-45	–	-9	–	-54	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	0	–	–	–	-3	0	–	–	-3	–	–
Qatar	0	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	2	–	–	-10	–	–	–	-10	–	–
Sweden	-1	–	–	–	2	–	–	–	2	–	–
Trinidad and Tobago	0	–	–	–	–	–	-6	–	-6	–	–
United Kingdom	-13	–	–	–	-40	–	–	–	-40	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-4	–	-2	–	-5	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-4	-2	25	0	-240	-39	-7	–	-289	-1	1
Total	**-86**	**1**	**25**	**2**	**-950**	**-99**	**-51**	**–**	**-1,101**	**-1**	**2**
Persian Gulf[5]	**-2**	**–**	**–**	**–**	**0**	**–**	**–**	**–**	**0**	**0**	**–**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, July 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks[2]		Waxes	Petroleum Coke
					Naphtha	Other Oils		
OPEC	**–**	**24**	**–**	**12**	**–**	**–**	**0**	**-4**
Algeria	–	–	–	–	–	–	–	–
Angola	–	1	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	0	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–
Kuwait	–	9	–	12	–	–	–	–
Libya	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Saudi Arabia	–	14	–	–	–	–	0	0
United Arab Emirates	–	–	–	–	–	–	0	-4
Venezuela	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**-37**	**27**	**-77**	**12**	**-25**	**1**	**-676**
Argentina	–	1	–	-10	–	–	0	–
Aruba	–	-3	–	–	–	–	–	–
Australia	–	–	–	–	–	–	0	-5
Bahamas	–	-3	–	-10	–	–	–	–
Bahrain	–	–	–	–	–	–	0	–
Belgium	–	2	–	0	–	–	–	0
Brazil	–	–	1	-4	–	0	0	-59
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	0	–	–	–	-1
Canada	–	-12	6	-4	3	2	1	-23
Chad	–	–	–	–	–	–	–	–
China	–	10	–	0	–	–	1	-123
Colombia	–	–	–	1	–	–	0	-2
Denmark	–	–	–	-12	–	–	–	–
Dominican Republic	–	-4	–	-8	–	–	0	-13
Ecuador	–	–	–	–	–	–	0	-6
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–
France	–	–	–	–	–	1	0	-10
Germany	–	–	–	-1	–	–	0	–
Guatemala	–	-3	–	–	–	–	0	-17
Honduras	–	-1	–	–	–	–	–	-19
India	–	4	–	–	–	-4	0	-105
Indonesia	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	-2	0	-18
Japan	–	14	–	0	–	–	0	-65
Korea, South	–	53	17	-16	2	–	0	0
Latvia	–	–	–	–	–	–	0	–
Lithuania	–	–	–	–	–	–	–	–
Malaysia	–	–	–	3	–	–	0	0
Mexico	–	-51	–	41	2	-2	-1	-38
Netherlands	–	–	1	-24	–	–	0	-10
Norway	–	–	–	–	–	–	–	-2
Oman	–	–	–	–	–	–	–	-2
Panama	–	-14	–	-11	–	-5	–	–
Portugal	–	–	–	5	–	–	–	–
Puerto Rico	–	–	–	–	–	–	0	–
Qatar	–	–	–	–	0	–	0	-4
Russia	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	0	-16
Sweden	–	–	–	–	–	–	0	–
Trinidad and Tobago	–	–	–	–	–	–	–	0
United Kingdom	–	–	–	–	–	–	0	–
Vietnam	–	–	–	–	–	–	0	–
Virgin Islands, U.S.	–	-3	–	-11	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-27	2	-16	5	-15	0	-138
Total	**–**	**-12**	**27**	**-65**	**12**	**-25**	**1**	**-680**
Persian Gulf[5]	**–**	**23**	**–**	**12**	**0**	**–**	**0**	**-8**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, July 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products[4]	Total Crude Oil and Products[4]
OPEC	**0**	**-4**	**0**	**295**	**1,340**
Algeria	–	–	–	79	98
Angola	0	0	–	10	45
Congo (Brazzaville)	–	–	–	–	1,026
Equatorial Guinea	–	0	–	0	0
Gabon	–	0	–	0	0
Iran	–	–	–	–	–
Iraq	–	0	–	99	303
Kuwait	0	0	–	21	48
Libya	–	0	–	0	20
Nigeria	–	-6	–	-35	129
Saudi Arabia	–	1	–	119	512
United Arab Emirates	0	1	0	1	1
Venezuela	–	0	–	0	153
Non-OPEC	**53**	**-68**	**-2**	**-4,506**	**-3,099**
Argentina	0	-1	0	-6	48
Aruba	–	0	–	-6	-6
Australia	0	0	0	-24	-52
Bahamas	0	0	0	-51	-51
Bahrain	–	4	–	4	4
Belgium	0	-16	0	-84	-84
Brazil	0	-14	0	-105	37
Brunei	–	–	–	–	–
Cameroon	–	0	–	-2	-2
Canada	55	0	0	43	3,288
Chad	–	–	–	–	–
China	0	0	0	-524	-846
Colombia	0	-4	0	-110	81
Denmark	–	–	–	-20	-20
Dominican Republic	0	0	–	-101	-118
Ecuador	–	-1	–	-183	9
Estonia	–	–	–	–	–
Finland	–	0	–	-40	-40
France	–	-6	–	-96	-258
Germany	0	0	0	-6	-79
Guatemala	–	-1	–	-123	-123
Honduras	-1	0	0	-72	-72
India	0	-2	0	-131	-328
Indonesia	0	4	–	-41	-68
Italy	–	0	–	-11	-236
Japan	0	0	0	-641	-641
Korea, South	1	4	0	-83	-344
Latvia	–	0	–	0	0
Lithuania	–	-1	0	-11	-35
Malaysia	0	-1	0	35	29
Mexico	-4	-37	-1	-977	-230
Netherlands	0	3	0	-136	-1,009
Norway	–	0	–	-17	-10
Oman	–	0	–	19	19
Panama	–	0	–	-112	-135
Portugal	–	–	–	28	28
Puerto Rico	0	0	–	-4	-4
Qatar	–	11	–	8	8
Russia	–	–	–	–	–
Spain	–	6	–	2	-186
Sweden	–	0	–	-42	-75
Trinidad and Tobago	–	0	–	-6	43
United Kingdom	0	0	0	-31	-311
Vietnam	0	0	0	0	0
Virgin Islands, U.S.	–	0	–	-34	-34
Yemen	–	0	–	0	0
Other	2	-16	-1	-815	-1,296
Total	**53**	**-73**	**-2**	**-4,211**	**-1,758**
Persian Gulf[5]	**0**	**16**	**0**	**253**	**875**

– – = 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 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.
4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.
5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
Note: Totals may not equal sum of components due to independent rounding.
Data source: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-July 2023
(Thousand Barrels per Day)

Country of Origin	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins[2]	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**1,052**	**-9**	**–**	**224**	**–**	**-1**	**-1**	**3**	**43**	**46**
Algeria	17	–	–	35	–	–	–	–	12	12
Angola	33	0	–	–	–	1	1	–	4	4
Congo (Brazzaville)	5	–	–	–	–	–	–	–	–	–
Equatorial Guinea	5	5	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	220	–	–	127	–	–	–	–	–	–
Kuwait	18	0	–	4	–	0	0	–	0	0
Libya	66	0	–	–	–	–	–	–	–	–
Nigeria	177	-14	–	1	–	-2	-2	–	3	3
Saudi Arabia	387	0	–	64	–	0	0	–	20	20
United Arab Emirates	7	0	–	2	–	0	0	3	3	6
Venezuela	117	0	–	-8	–	0	0	0	–	0
Non-OPEC	**1,351**	**-2,427**	**18**	**47**	**–**	**-676**	**-676**	**144**	**368**	**512**
Argentina	43	0	–	0	–	-4	-4	–	8	8
Aruba	–	0	–	0	–	-2	-2	–	–	–
Australia	-28	-11	–	0	–	0	0	0	0	0
Bahamas	–	-2	–	-7	–	6	6	0	1	1
Bahrain	–	0	–	0	–	0	0	0	0	0
Belgium	–	-59	–	-12	–	9	9	1	9	11
Brazil	95	-33	–	5	–	-8	-8	0	8	8
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	3	–	–	–	–	–	–	–	–	–
Canada	3,490	-43	18	-66	–	-10	-10	70	33	103
Chad	–	–	–	–	–	–	–	–	–	–
China	-488	-446	–	0	–	2	2	–	2	2
Colombia	162	-2	–	-21	–	-27	-27	–	1	1
Denmark	-48	–	–	0	–	0	0	0	0	1
Dominican Republic	-21	-37	–	-1	–	-21	-21	0	0	0
Ecuador	135	-35	–	11	–	-23	-23	–	–	–
Estonia	–	–	–	–	–	0	0	–	–	–
Finland	-25	-17	–	0	–	2	2	1	10	11
France	-159	-23	–	-3	–	9	9	2	10	12
Germany	-85	-1	–	-2	–	0	0	1	1	2
Guatemala	1	-14	–	0	–	-57	-57	0	0	0
Honduras	–	-20	–	0	–	-18	-18	–	0	0
India	-183	-104	–	14	–	4	4	3	74	77
Indonesia	-21	-75	–	1	–	–	–	–	–	–
Italy	-157	-6	–	0	–	2	2	2	31	32
Japan	-14	-495	–	-12	–	0	0	0	3	3
Korea, South	-338	-182	–	0	–	14	14	0	20	20
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-24	–	–	–	–	1	1	0	3	3
Malaysia	-7	–	–	23	–	0	0	–	1	1
Mexico	731	-191	–	117	–	-453	-453	-1	-27	-28
Netherlands	-631	-83	–	-20	–	14	14	24	44	67
Norway	-11	-46	–	-4	–	9	9	3	22	25
Oman	–	–	–	3	–	0	0	–	1	1
Panama	-31	-10	–	-1	–	-24	-24	0	0	0
Portugal	-16	-6	–	2	–	0	0	0	27	27
Puerto Rico	–	0	–	0	–	0	0	0	0	0
Qatar	2	0	–	0	–	0	0	0	0	0
Russia	–	–	–	0	–	–	–	–	–	–
Spain	-196	-32	–	4	–	9	9	0	39	39
Sweden	-62	-60	–	-1	–	3	3	0	4	4
Trinidad and Tobago	33	1	–	0	–	-3	-3	–	–	–
United Kingdom	-260	-36	–	-3	–	6	6	36	10	46
Vietnam	1	0	–	0	–	–	–	–	–	–
Virgin Islands, U.S.	-7	-5	–	0	–	-6	-6	–	-2	-2
Yemen	–	–	–	0	–	–	–	–	–	–
Other	-533	-354	0	20	–	-110	-110	2	35	37
Total	**2,403**	**-2,436**	**18**	**272**	**–**	**-677**	**-677**	**146**	**411**	**557**
Persian Gulf[5]	**634**	**0**	**–**	**196**	**–**	**0**	**0**	**3**	**24**	**26**

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-July 2023
(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	**-3**	**–**	**–**	**–**	**5**	**0**	**–**	**–**	**5**	**0**	**–**
Algeria	–	–	–	–	0	–	–	–	0	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	0	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	-1	–	–	–	1	–	–	–	1	0	–
Saudi Arabia	-1	–	–	–	4	–	–	–	4	0	–
United Arab Emirates	-1	–	–	–	0	–	–	–	0	0	–
Venezuela	0	–	–	–	0	0	–	–	0	–	–
Non-OPEC	**-89**	**12**	**24**	**0**	**-752**	**-96**	**-59**	**–**	**-907**	**-1**	**0**
Argentina	0	0	–	–	-26	-3	-10	–	-39	0	–
Aruba	0	–	–	–	-1	–	–	–	-1	0	–
Australia	0	–	–	–	0	–	0	–	0	0	–
Bahamas	0	–	–	–	-8	-1	-10	–	-18	0	–
Bahrain	0	–	–	–	0	–	–	–	0	–	–
Belgium	0	–	–	–	-10	–	–	–	-10	-1	–
Brazil	0	0	–	–	-47	-1	0	–	-48	-1	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	4	–	–	–	4	–	–
Canada	-40	-8	–	–	137	-6	-2	–	129	0	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	0	–	–	0	–	–	–	0	–	–
Colombia	-3	–	–	–	-5	0	0	–	-5	0	–
Denmark	–	–	–	–	-4	-1	–	–	-5	–	–
Dominican Republic	0	0	–	–	-15	-1	-6	–	-22	0	–
Ecuador	0	–	–	–	-61	-4	-1	–	-66	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	0	–	1	0	–	–	0	–	0	–	–
France	0	–	–	–	-17	–	–	–	-17	0	–
Germany	0	12	–	–	-3	–	–	–	-3	0	–
Guatemala	0	–	–	–	-13	-26	-1	–	-40	0	–
Honduras	0	–	–	–	-4	-10	-3	–	-16	0	–
India	-5	–	–	–	14	–	0	–	14	2	–
Indonesia	0	0	–	–	–	–	–	–	–	–	–
Italy	0	3	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	1	–	–	–	1	0	–
Korea, South	-8	2	–	–	4	–	–	–	4	0	–
Latvia	–	–	–	–	-1	–	–	–	-1	0	–
Lithuania	–	–	–	–	-1	–	–	–	-1	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-4	0	–	–	-296	-2	0	–	-299	0	–
Netherlands	-9	0	0	–	-47	-5	0	–	-52	0	0
Norway	0	0	–	–	-1	–	0	–	-1	–	–
Oman	–	–	–	–	0	–	–	–	0	–	–
Panama	0	0	–	–	-50	-5	-3	–	-58	0	–
Portugal	–	–	–	–	-3	–	–	–	-3	–	–
Puerto Rico	0	–	–	–	-5	0	–	–	-5	0	–
Qatar	0	–	–	–	5	–	–	–	5	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	0	4	–	–	-4	-3	–	–	-7	–	–
Sweden	-1	–	–	–	-1	–	–	–	-1	–	–
Trinidad and Tobago	0	–	–	–	-2	–	-2	–	-4	–	–
United Kingdom	-10	0	–	–	-45	–	–	–	-45	0	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-8	–	-8	–	-16	0	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-9	-1	23	0	-239	-28	-13	–	-281	-1	0
Total	**-92**	**12**	**24**	**0**	**-747**	**-96**	**-59**	**–**	**-902**	**-1**	**0**
Persian Gulf[5]	**-2**	**–**	**–**	**–**	**9**	**–**	**–**	**–**	**9**	**0**	**–**

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-July 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks[2]		Waxes	Petroleum Coke
					Naphtha	Other Oils		
OPEC	**–**	**26**	**–**	**11**	**0**	**–**	**0**	**-6**
Algeria	–	–	–	6	–	–	–	–
Angola	–	0	–	0	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	0	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	0	–	3	–	–	–	–
Kuwait	–	17	–	3	–	–	0	-1
Libya	–	–	–	–	–	–	0	–
Nigeria	–	–	–	0	–	–	0	–
Saudi Arabia	–	5	–	1	0	–	0	0
United Arab Emirates	–	3	–	-2	–	–	0	-4
Venezuela	–	0	–	–	–	–	0	–
Non-OPEC	**–**	**-46**	**18**	**-32**	**14**	**-27**	**0**	**-578**
Argentina	–	0	–	-3	–	0	0	2
Aruba	–	-2	–	0	–	–	–	–
Australia	–	–	–	2	–	–	0	-5
Bahamas	–	-3	–	-10	–	–	–	–
Bahrain	–	0	–	–	–	–	0	-1
Belgium	–	0	–	1	–	–	0	-3
Brazil	–	-1	0	0	–	0	0	-57
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	0	–	–	–	0
Canada	–	-15	4	-3	3	2	0	-23
Chad	–	–	–	–	–	–	–	–
China	–	6	–	0	–	–	0	-84
Colombia	–	–	–	9	–	–	0	1
Denmark	–	–	–	-5	–	–	0	-1
Dominican Republic	–	-6	–	-4	–	–	0	-5
Ecuador	–	–	–	1	–	–	0	-5
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	0	–	–	–	–
France	–	-2	0	-1	–	1	0	-4
Germany	–	–	0	0	–	–	0	-1
Guatemala	–	-4	–	0	–	–	0	-12
Honduras	–	-2	–	0	–	–	0	-10
India	–	8	–	0	1	-14	0	-99
Indonesia	–	–	–	–	–	–	0	-1
Italy	–	1	–	0	1	-1	0	-17
Japan	–	13	0	1	0	–	0	-51
Korea, South	–	66	12	-9	3	–	0	-4
Latvia	–	–	–	–	–	–	0	–
Lithuania	–	–	–	–	–	–	0	–
Malaysia	–	0	–	3	–	–	0	-2
Mexico	–	-48	–	37	2	0	-1	-45
Netherlands	–	–	1	-23	0	–	0	-6
Norway	–	0	–	–	–	–	0	-3
Oman	–	–	–	–	0	–	–	-2
Panama	–	-16	–	-14	–	-1	0	-1
Portugal	–	–	–	-1	–	–	0	-3
Puerto Rico	–	-2	–	–	–	–	0	–
Qatar	–	–	–	–	0	–	0	-1
Russia	–	–	–	–	–	–	–	–
Spain	–	0	–	0	0	–	0	-15
Sweden	–	-1	–	–	–	–	0	–
Trinidad and Tobago	–	-1	–	0	–	–	0	0
United Kingdom	–	0	–	3	0	–	0	-3
Vietnam	–	0	–	–	–	–	0	0
Virgin Islands, U.S.	–	-7	–	-15	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-30	1	-1	4	-14	1	-117
Total	**–**	**-20**	**18**	**-20**	**14**	**-27**	**0**	**-584**
Persian Gulf[5]	**–**	**26**	**–**	**5**	**0**	**–**	**0**	**-7**

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-July 2023
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellanous Products	Total Products[4]	Total Crude Oil and Products[4]
OPEC	**-1**	**-2**	**0**	**292**	**1,343**
Algeria	–	0	–	53	70
Angola	0	0	–	6	39
Congo (Brazzaville)	–	–	–	–	1,004
Equatorial Guinea	–	0	–	5	10
Gabon	–	0	–	0	0
Iran	–	–	–	–	–
Iraq	0	0	–	129	350
Kuwait	0	0	0	23	41
Libya	–	0	–	0	66
Nigeria	-1	-4	–	-16	161
Saudi Arabia	–	0	0	92	479
United Arab Emirates	0	3	0	7	14
Venezuela	–	0	–	-9	108
Non-OPEC	**38**	**-62**	**-3**	**-4,163**	**-2,812**
Argentina	-1	-1	0	-39	4
Aruba	–	0	–	-4	-4
Australia	0	0	0	-14	-42
Bahamas	0	0	0	-33	-33
Bahrain	0	2	–	2	2
Belgium	0	-12	0	-76	-76
Brazil	0	-11	0	-147	-52
Brunei	–	0	–	0	0
Cameroon	–	0	–	3	6
Canada	48	1	0	100	3,590
Chad	–	0	–	0	0
China	0	0	0	-521	-1,008
Colombia	0	-3	0	-51	111
Denmark	–	0	–	-11	-59
Dominican Republic	-1	-1	0	-99	-120
Ecuador	0	-2	0	-119	16
Estonia	–	–	–	0	0
Finland	–	0	–	-2	-27
France	–	-2	–	-30	-189
Germany	0	0	0	8	-77
Guatemala	–	-1	0	-127	-126
Honduras	-1	0	0	-68	-68
India	0	-4	0	-107	-290
Indonesia	0	3	0	-72	-93
Italy	0	0	0	15	-142
Japan	0	0	0	-540	-554
Korea, South	0	10	0	-71	-409
Latvia	–	0	–	-1	-1
Lithuania	–	0	0	2	-23
Malaysia	0	0	0	25	18
Mexico	-4	-37	-2	-956	-225
Netherlands	0	1	0	-109	-739
Norway	–	0	0	-21	-32
Oman	–	0	–	2	2
Panama	-1	-1	0	-127	-158
Portugal	–	0	–	15	-1
Puerto Rico	0	0	0	-9	-9
Qatar	0	12	–	16	19
Russia	–	0	–	0	0
Spain	1	1	–	4	-192
Sweden	–	0	0	-57	-119
Trinidad and Tobago	0	0	0	-7	26
United Kingdom	0	0	0	-42	-302
Vietnam	0	0	0	0	1
Virgin Islands, U.S.	0	0	–	-52	-58
Yemen	–	0	–	0	0
Other	-3	-17	-1	-843	-1,379
Total	**37**	**-63**	**-3**	**-3,871**	**-1,468**
Persian Gulf[5]	**0**	**17**	**0**	**270**	**904**

– – = 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 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.
4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.
5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
Note: Totals may not equal sum of components due to independent rounding.
Data source: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, July 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	**7,796**	**118,901**	**591,716**	**24,034**	**44,793**	**787,240**
Refinery	6,391	13,364	45,102	2,509	17,890	85,256
Tank Farms and Pipelines (Includes Cushing, OK)	1,405	105,537	199,160	21,525	23,554	351,181
Cushing, Oklahoma	– –	33,962	– –	– –	– –	33,962
Leases	– –	– –	– –	– –	– –	– –
Strategic Petroleum Reserve[1]	–	–	347,454	–	–	347,454
Alaskan In Transit	– –	– –	– –	– –	3,349	3,349
Total Stocks, All Oils (excluding Crude Oil)[2]	**137,933**	**186,215**	**392,439**	**26,924**	**88,136**	**831,646**
Refinery	11,901	49,480	117,272	10,347	45,689	234,689
Bulk Terminal	98,059	98,268	214,163	9,973	37,265	457,727
Pipeline	27,720	36,662	58,581	6,422	4,757	134,142
Natural Gas Processing Plant	253	1,805	2,423	182	425	5,088
Natural Gas Liquids	**11,081**	**56,699**	**160,168**	**8,496**	**4,707**	**241,151**
Refinery	367	3,716	5,112	375	1,180	10,750
Bulk Terminal	8,151	34,069	129,604	3,523	3,102	178,449
Pipeline	2,310	17,109	23,029	4,416	–	46,864
Natural Gas Processing Plant	253	1,805	2,423	182	425	5,088
Ethane	**1,032**	**6,527**	**39,576**	**1,212**	**–**	**48,347**
Refinery	–	–	13	–	–	13
Bulk Terminal	472	2,837	31,294	–	–	34,603
Pipeline	560	3,513	8,239	1,207	–	13,519
Natural Gas Processing Plant	–	177	30	5	–	212
Propane	**7,759**	**23,019**	**51,581**	**2,880**	**2,062**	**87,301**
Refinery	74	991	454	54	92	1,665
Bulk Terminal	6,104	17,441	44,305	1,233	1,861	70,944
Pipeline	1,458	3,672	6,666	1,509	–	13,305
Natural Gas Processing Plant	123	915	156	84	109	1,387
Normal Butane	**1,905**	**15,042**	**43,768**	**3,180**	**2,194**	**66,089**
Refinery	190	1,936	3,435	225	695	6,481
Bulk Terminal	1,469	11,671	36,308	2,286	1,239	52,973
Pipeline	203	1,098	2,950	637	–	4,888
Natural Gas Processing Plant	43	337	1,075	32	260	1,747
Isobutane	**170**	**1,801**	**9,993**	**393**	**414**	**12,771**
Refinery	103	506	927	67	390	1,993
Bulk Terminal	–	547	7,278	–	–	7,825
Pipeline	44	633	1,330	309	–	2,316
Natural Gas Processing Plant	23	115	458	17	24	637
Natural Gasoline	**215**	**10,310**	**15,250**	**831**	**37**	**26,643**
Refinery	–	283	283	29	3	598
Bulk Terminal	106	1,573	10,419	4	2	12,104
Pipeline	45	8,193	3,844	754	–	12,836
Natural Gas Processing Plant	64	261	704	44	32	1,105
Refinery Olefins	**58**	**352**	**1,129**	**69**	**221**	**1,829**
Refinery	58	352	1,129	69	221	1,829
Ethylene	**–**	**–**	**0**	**–**	**–**	**0**
Refinery	–	–	0	–	–	0
Propylene	**53**	**316**	**838**	**3**	**23**	**1,233**
Refinery	53	316	838	3	23	1,233
Normal Butylene	**1**	**36**	**291**	**66**	**198**	**592**
Refinery	1	36	291	66	198	592
Isobutylene	**4**	**0**	**0**	**0**	**0**	**4**
Refinery	4	0	0	0	0	4
Other Hydrocarbons	**–**	**11**	**–**	**–**	**–**	**11**
Refinery	–	11	–	–	–	11
Biofuels (Including Fuel Ethanol)[2]	**8,515**	**10,468**	**5,726**	**772**	**5,662**	**31,143**
Refinery	217	128	1,247	109	983	2,684
Bulk Terminal	8,298	10,340	4,479	663	4,679	28,459
Pipeline	–	–	–	–	–	–
Fuel Ethanol	**7,100**	**9,198**	**3,973**	**357**	**2,472**	**23,101**
Refinery	207	107	1,138	98	145	1,695
Bulk Terminal	6,893	9,091	2,835	259	2,327	21,406
Pipeline	–	–	–	–	–	–
Biodiesel	**1,368**	**1,166**	**640**	**24**	**520**	**3,719**
Refinery	10	21	109	11	7	158
Bulk Terminal	1,358	1,145	531	13	513	3,561
Pipeline	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	**47**	**81**	**1,028**	**269**	**2,614**	**4,038**
Refinery	–	–	–	–	831	831
Bulk Terminal	47	81	1,028	269	1,783	3,207
Pipeline	– –	– –	– –	– –	– –	– –
Other Biofuels[3]	**–**	**22**	**84**	**122**	**56**	**285**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	22	84	122	56	285
Pipeline	– –	– –	– –	– –	– –	– –

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, July 2023
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	**3,651**	**13,763**	**47,605**	**2,957**	**18,927**	**86,903**
Naphthas and Lighter	**855**	**3,301**	**11,715**	**606**	**2,662**	**19,139**
Refinery	855	3,216	10,950	606	2,513	18,140
Bulk Terminal	– –	– –	– –	– –	– –	– –
Kerosene and Light Gas Oils	**379**	**2,825**	**8,307**	**707**	**3,530**	**15,748**
Refinery	379	2,825	6,497	707	3,509	13,917
Bulk Terminal	–	–	1,810	–	21	1,831
Heavy Gas Oils	**1,910**	**5,375**	**20,581**	**1,213**	**9,939**	**39,018**
Refinery	1,903	5,103	19,091	1,213	8,854	36,164
Bulk Terminal	7	272	1,490	–	1,085	2,854
Residuum	**507**	**2,262**	**7,002**	**431**	**2,796**	**12,998**
Refinery	507	2,262	6,939	431	2,796	12,935
Bulk Terminal	–	–	63	–	–	63
Motor Gasoline Blending Components[2]	**54,329**	**43,142**	**76,441**	**6,107**	**26,857**	**206,876**
Refinery	3,192	13,471	26,071	2,760	12,260	57,754
Bulk Terminal	39,661	21,198	32,807	2,237	11,811	107,714
Pipeline	11,476	8,473	17,563	1,110	2,786	41,408
Reformulated - RBOB	**20,065**	**5,344**	**12,016**	**–**	**13,431**	**50,857**
Refinery	1,092	1,017	1,690	–	4,667	8,466
Bulk Terminal	14,224	3,357	5,109	–	7,277	29,968
Pipeline	4,749	970	5,217	–	1,487	12,423
Conventional	**34,264**	**37,798**	**64,425**	**6,107**	**13,425**	**156,019**
Refinery	2,100	12,454	24,381	2,760	7,593	49,288
Bulk Terminal	25,437	17,841	27,698	2,237	4,533	77,746
Pipeline	6,727	7,503	12,346	1,110	1,299	28,985
CBOB	**26,153**	**30,863**	**34,979**	**4,771**	**7,512**	**104,278**
Refinery	349	6,450	11,103	1,426	2,129	21,457
Bulk Terminal	19,263	17,021	11,889	2,235	4,091	54,499
Pipeline	6,541	7,392	11,987	1,110	1,292	28,322
GTAB	**1,017**	**–**	**39**	**–**	**–**	**1,056**
Refinery	–	–	–	–	–	–
Bulk Terminal	1,017	–	39	–	–	1,056
Pipeline	–	–	–	–	–	–
Other	**7,094**	**6,935**	**29,407**	**1,336**	**5,913**	**50,685**
Refinery	1,751	6,004	13,278	1,334	5,464	27,831
Bulk Terminal	5,157	820	15,770	2	442	22,191
Pipeline	186	111	359	–	7	663
Aviation Gasoline Blending Components	**–**	**–**	**19**	**–**	**–**	**19**
Refinery	–	–	19	–	–	19
Bulk Terminal	–	–	–	–	–	–
Finished Motor Gasoline	**2,525**	**3,862**	**6,105**	**1,089**	**1,593**	**15,174**
Refinery	56	737	2,816	776	510	4,895
Bulk Terminal	673	1,075	2,932	166	1,052	5,898
Pipeline	1,796	2,050	357	147	31	4,381
Reformulated	**3**	**–**	**–**	**–**	**16**	**19**
Refinery	–	–	–	–	16	16
Bulk Terminal	3	–	–	–	–	3
Pipeline	–	–	–	–	–	–
Reformulated (Blended with Fuel Ethanol)	**3**	**–**	**–**	**–**	**16**	**19**
Refinery	–	–	–	–	16	16
Bulk Terminal	3	–	–	–	–	3
Pipeline	–	–	–	–	–	–
Reformulated (Other)	**–**	**–**	**–**	**–**	**–**	**–**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	–	–
Pipeline	–	–	–	–	–	–
Conventional	**2,522**	**3,862**	**6,105**	**1,089**	**1,577**	**15,155**
Refinery	56	737	2,816	776	494	4,879
Bulk Terminal	670	1,075	2,932	166	1,052	5,895
Pipeline	1,796	2,050	357	147	31	4,381
Conventional (Blended with Fuel Ethanol)	**–**	**223**	**–**	**76**	**35**	**334**
Refinery	–	–	–	74	–	74
Bulk Terminal	–	223	–	2	35	260
Pipeline	–	–	–	–	–	–
Ed55 and Lower	**–**	**223**	**–**	**76**	**–**	**299**
Refinery	–	–	–	74	–	74
Bulk Terminal	–	223	–	2	–	225
Pipeline	–	–	–	–	–	–
Greater than Ed55	**–**	**–**	**–**	**–**	**35**	**35**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	35	35
Pipeline	–	–	–	–	–	–
Conventional (Other)	**2,522**	**3,639**	**6,105**	**1,013**	**1,542**	**14,821**
Refinery	56	737	2,816	702	494	4,805
Bulk Terminal	670	852	2,932	164	1,017	5,635
Pipeline	1,796	2,050	357	147	31	4,381

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, July 2023
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	**142**	**151**	**441**	**10**	**224**	**968**
Refinery	–	54	321	10	138	523
Bulk Terminal	142	97	120	–	86	445
Pipeline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	**11,577**	**7,118**	**13,579**	**764**	**9,648**	**42,686**
Refinery	530	2,046	5,688	281	3,272	11,817
Bulk Terminal	6,141	3,150	3,019	358	5,485	18,153
Pipeline	4,906	1,922	4,872	125	891	12,716
Kerosene	**644**	**191**	**596**	**–**	**8**	**1,439**
Refinery	96	167	45	–	3	311
Bulk Terminal	533	24	540	–	5	1,102
Pipeline	15	–	11	–	–	26
Distillate Fuel Oil[2]	**29,947**	**31,779**	**43,479**	**3,829**	**11,175**	**120,208**
Refinery	1,634	5,831	14,544	1,702	4,696	28,407
Bulk Terminal	21,096	18,840	16,186	1,503	5,430	63,054
Pipeline	7,217	7,108	12,749	624	1,049	28,747
15 ppm sulfur and Under	**28,524**	**31,192**	**36,956**	**3,631**	**10,490**	**110,792**
Refinery	1,203	5,466	12,036	1,564	4,213	24,482
Bulk Terminal	20,146	18,765	12,530	1,443	5,295	58,178
Pipeline	7,175	6,961	12,390	624	982	28,132
Greater than 15 ppm to 500 ppm sulfur	**534**	**206**	**1,051**	**150**	**148**	**2,089**
Refinery	98	29	373	90	146	736
Bulk Terminal	436	56	510	60	2	1,064
Pipeline	–	121	168	–	–	289
Greater than 500 ppm sulfur	**889**	**381**	**5,472**	**48**	**537**	**7,327**
Refinery	333	336	2,135	48	337	3,189
Bulk Terminal	514	19	3,146	–	133	3,812
Pipeline	42	26	191	–	67	326
Residual Fuel Oil	**6,091**	**1,215**	**16,450**	**213**	**4,540**	**28,509**
Refinery	322	930	3,497	213	2,090	7,052
Bulk Terminal	5,769	285	12,953	–	2,450	21,457
Pipeline	–	–	–	–	–	–
Less than 0.31% Sulfur	**620**	**173**	**888**	**27**	**1,067**	**2,775**
Refinery	19	161	50	27	18	275
Bulk Terminal	601	12	838	–	1,049	2,500
0.31% to 1.00% Sulfur	**1,493**	**299**	**4,267**	**5**	**570**	**6,634**
Refinery	127	154	803	5	277	1,366
Bulk Terminal	1,366	145	3,464	–	293	5,268
Greater than 1.00% Percent Sulfur	**3,978**	**743**	**11,295**	**181**	**2,903**	**19,100**
Refinery	176	615	2,644	181	1,795	5,411
Bulk Terminal	3,802	128	8,651	–	1,108	13,689
Petrochemical Feedstocks	**5**	**549**	**2,035**	**–**	**–**	**2,589**
Refinery	5	549	2,035	–	–	2,589
Naphtha for Petrochemical Feedstock Use	–	421	1,458	–	–	1,879
Other Oils for Petrochemical Feedstock Use	5	128	577	–	–	710
Special Naphthas	**46**	**202**	**807**	**–**	**42**	**1,097**
Refinery	25	100	796	–	42	963
Bulk Terminal	21	102	11	–	–	134
Lubricants	**1,366**	**813**	**8,524**	**–**	**820**	**11,523**
Refinery	723	271	4,799	–	602	6,395
Bulk Terminal	643	542	3,725	–	218	5,128
Waxes	**351**	**52**	**283**	**–**	**–**	**686**
Refinery	351	52	283	–	–	686
Petroleum Coke	**–**	**3,097**	**3,030**	**152**	**1,067**	**7,346**
Refinery	–	3,097	3,030	152	1,067	7,346
Asphalt and Road Oil	**7,548**	**12,540**	**5,330**	**2,442**	**2,579**	**30,439**
Refinery	624	4,458	1,861	920	892	8,755
Bulk Terminal	6,924	8,082	3,469	1,522	1,687	21,684
Miscellaneous Products	**57**	**211**	**692**	**23**	**67**	**1,050**
Refinery	57	104	502	23	61	747
Bulk Terminal	–	107	190	–	6	303
Pipeline	–	–	–	–	–	–
Total Stocks, All Oils	**145,729**	**305,116**	**984,155**	**50,958**	**132,929**	**1,618,886**

– – = 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.
Data source: 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 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, July 2023
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components[1]			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	**3**	**726**	**729**	**15,316**	**27,537**	**42,853**	**629**
Connecticut	–	–	–	1,097	33	1,130	26
Delaware	–	–	–	607	486	1,093	91
District of Columbia	–	–	–	–	–	–	–
Florida	–	280	280	–	6,434	6,434	0
Georgia	–	80	80	–	2,624	2,624	–
Maine	–	–	–	57	361	418	167
Maryland	–	–	–	1,218	103	1,321	15
Massachusetts	2	–	2	1,149	–	1,149	–
New Hampshire	–	–	–	–	–	–	–
New Jersey	–	152	152	7,957	7,064	15,021	14
New York	1	–	1	617	1,536	2,153	199
North Carolina	–	53	53	–	2,238	2,238	10
Pennsylvania	–	–	–	564	4,339	4,903	52
Rhode Island	–	–	–	517	6	523	–
South Carolina	–	94	94	–	1,066	1,066	13
Vermont	–	–	–	–	18	18	4
Virginia	–	9	9	1,533	1,039	2,572	38
West Virginia	–	58	58	–	190	190	–
PAD District 2	**–**	**1,812**	**1,812**	**4,374**	**30,295**	**34,669**	**191**
Illinois	–	39	39	2,362	4,138	6,500	99
Indiana	–	98	98	909	3,971	4,880	1
Iowa	–	19	19	–	1,193	1,193	–
Kansas	–	193	193	–	2,588	2,588	7
Kentucky	–	136	136	332	1,352	1,684	–
Michigan	–	7	7	89	3,037	3,126	–
Minnesota	–	226	226	0	2,473	2,473	–
Missouri	–	152	152	179	681	860	–
Nebraska	–	47	47	–	337	337	–
North Dakota	–	28	28	–	610	610	–
Ohio	–	409	409	–	3,877	3,877	12
Oklahoma	–	283	283	–	2,525	2,525	49
South Dakota	–	11	11	–	269	269	–
Tennessee	–	54	54	–	2,131	2,131	–
Wisconsin	–	110	110	503	1,113	1,616	23
PAD District 3	**–**	**5,748**	**5,748**	**6,799**	**52,079**	**58,878**	**585**
Alabama	–	89	89	5	1,241	1,246	2
Arkansas	–	68	68	–	964	964	–
Louisiana	–	945	945	575	11,451	12,026	1
Mississippi	–	924	924	6	2,224	2,230	–
New Mexico	–	17	17	11	583	594	–
Texas	–	3,705	3,705	6,202	35,616	41,818	582
PAD District 4	**–**	**942**	**942**	**–**	**4,997**	**4,997**	**–**
Colorado	–	28	28	–	1,354	1,354	–
Idaho	–	4	4	–	391	391	–
Montana	–	251	251	–	1,161	1,161	–
Utah	–	97	97	–	1,424	1,424	–
Wyoming	–	562	562	–	667	667	–
PAD District 5	**16**	**1,546**	**1,562**	**11,944**	**12,126**	**24,071**	**8**
Alaska	–	295	295	–	386	386	5
Arizona	–	48	48	735	282	1,017	–
California	16	280	296	11,005	5,781	16,787	3
Hawaii	–	201	201	–	573	573	–
Nevada	–	207	207	14	365	379	–
Oregon	–	71	71	–	1,190	1,190	–
Washington	–	444	444	190	3,549	3,739	–
U.S. Total	**19**	**10,774**	**10,793**	**38,434**	**127,034**	**165,468**	**1,413**

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, July 2023
(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	**21,349**	**534**	**847**	**22,730**	**6,091**	**6,301**
Connecticut	993	–	–	993	7	–
Delaware	355	28	69	452	301	9
District of Columbia	–	–	–	–	–	–
Florida	2,449	78	0	2,527	1,160	250
Georgia	1,556	–	–	1,556	116	9
Maine	827	1	–	828	46	–
Maryland	807	–	–	807	279	–
Massachusetts	779	17	–	796	41	–
New Hampshire	184	–	–	184	24	291
New Jersey	5,312	56	426	5,794	3,065	52
New York	1,861	–	62	1,923	659	1,896
North Carolina	956	–	–	956	20	328
Pennsylvania	2,564	–	56	2,620	227	2,822
Rhode Island	504	–	–	504	–	–
South Carolina	798	–	–	798	59	531
Vermont	9	–	–	9	–	–
Virginia	1,241	287	234	1,762	87	5
West Virginia	154	67	–	221	–	85
PAD District 2	**24,231**	**85**	**355**	**24,671**	**1,215**	**19,347**
Illinois	3,048	–	6	3,054	426	834
Indiana	3,926	–	36	3,962	168	337
Iowa	2,278	1	–	2,279	2	384
Kansas	2,415	–	–	2,415	29	11,794
Kentucky	866	–	–	866	–	360
Michigan	1,457	–	–	1,457	153	4,021
Minnesota	1,853	–	150	2,003	174	336
Missouri	529	44	7	580	–	30
Nebraska	494	–	–	494	–	371
North Dakota	797	–	–	797	40	40
Ohio	1,821	11	117	1,949	95	724
Oklahoma	1,737	29	39	1,805	73	57
South Dakota	558	–	–	558	–	15
Tennessee	942	–	–	942	53	4
Wisconsin	1,509	–	–	1,509	2	40
PAD District 3	**24,566**	**883**	**5,281**	**30,730**	**16,450**	**44,915**
Alabama	833	7	57	897	480	12
Arkansas	747	–	–	747	–	32
Louisiana	4,596	455	1,092	6,143	8,345	3,825
Mississippi	910	153	63	1,126	193	4,631
New Mexico	280	–	–	280	77	3
Texas	17,200	268	4,069	21,537	7,355	36,412
PAD District 4	**3,007**	**150**	**48**	**3,205**	**213**	**1,371**
Colorado	718	–	–	718	3	21
Idaho	217	–	–	217	–	–
Montana	851	76	14	941	62	28
Utah	471	13	34	518	62	1,242
Wyoming	750	61	–	811	86	80
PAD District 5	**9,508**	**148**	**470**	**10,126**	**4,540**	**2,062**
Alaska	896	–	43	939	178	1
Arizona	706	–	–	706	–	1,127
California	4,307	146	252	4,705	2,975	553
Hawaii	299	2	172	473	522	74
Nevada	298	–	3	301	–	–
Oregon	879	–	–	879	147	–
Washington	2,123	–	–	2,123	718	307
U.S. Total	**82,660**	**1,800**	**7,001**	**91,461**	**28,509**	**73,996**

– = 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.
Data source: 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 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail [1] Between PAD Districts, July 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	**256**	**42**	**0**	**751**	**61,331**	**6,852**	**4,453**	**1,103**	**21,546**
Petroleum Products	**17,447**	**37**	**0**	**21,659**	**49,979**	**16,051**	**5,522**	**104,585**	**23,118**
Natural Gas Liquids	7,636	21	0	7,099	39,295	11,265	597	1,034	11,899
Ethane	6,041	0	–	542	16,771	2,486	–	0	1,031
Propane	904	0	0	5,137	12,353	4,458	336	1,034	1,721
Normal Butane	308	7	0	1,291	4,948	1,936	225	0	331
Isobutane	377	14	0	129	1,534	669	35	0	986
Natural Gasoline	6	0	–	0	3,688	1,716	–	0	7,830
Refinery Olefins	0	0	–	322	501	–	–	0	0
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	0	0	–	322	501	–	–	0	0
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	40	0	0	0	546	–	0	21	112
Motor Gasoline Blending Components	6,764	0	0	1,429	1,364	2,466	0	60,750	5,848
Reformulated - RBOB	0	0	0	0	0	–	0	11,533	3,195
Conventional	6,764	0	0	1,429	1,364	2,466	0	49,217	2,653
CBOB	6,764	0	0	1,429	1,310	2,466	0	48,698	2,486
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	–	0	54	–	–	519	167
Biofuels (including Fuel Ethanol)	5	0	0	9,690	5,924	686	4,699	0	6
Fuel Ethanol	0	0	0	9,618	5,683	673	4,508	0	0
Biodiesel	5	0	0	72	241	14	192	0	6
Renewable Diesel Fuel	–	0	0	–	0	–	0	–	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	103	0	0	665	51	161	0	1,256	1,281
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	103	0	0	665	51	161	0	1,256	1,281
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	103	0	0	665	51	161	0	1,256	1,281
Finished Aviation Gasoline	0	0	–	0	0	–	–	38	59
Kerosene-Type Jet Fuel	431	0	0	196	30	911	0	16,470	1,275
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	2,440	10	0	1,342	783	548	0	24,168	2,265
15 ppm sulfur and under	2,440	10	0	1,342	783	548	0	23,937	2,156
Greater than 15 ppm to 500 ppm sulfur	0	0	–	–	0	–	–	–	109
Greater than 500 ppm sulfur	–	0	–	0	0	–	–	231	–
Residual Fuel Oil	0	0	–	–	456	–	–	–	0
Petrochemical Feedstocks	0	0	–	–	124	–	–	–	19
Naphtha for Petrochemical Feedstock Use	0	0	–	–	90	–	–	–	19
Other Oils for Petrochemical Feedstock Use	0	0	–	–	34	–	–	–	0
Special Naphthas	0	0	–	–	0	–	–	–	9
Lubricants	0	0	0	0	18	–	0	425	152
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	6	0	201	663	3	10	65	6
Asphalt and Road Oil	28	0	0	715	224	10	217	358	180
Miscellaneous Products	0	0	–	–	0	–	–	–	7
Total	**17,703**	**79**	**0**	**22,410**	**111,310**	**22,903**	**9,975**	**105,688**	**44,664**

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail [1] Between PAD Districts, July 2023
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	**0**	**0**	**0**	**26,198**	**1,810**	**0**	**0**	**0**	**0**
Petroleum Products	**0**	**5,893**	**0**	**23,573**	**5,183**	**1,957**	**3**	**230**	**55**
Natural Gas Liquids	0	27	0	22,385	4,914	54	0	0	0
Ethane	0	–	0	6,421	1,766	–	0	0	0
Propane	0	0	0	8,100	1,487	54	0	0	0
Normal Butane	0	4	0	3,461	576	0	0	0	0
Isobutane	0	23	0	1,335	354	0	0	0	0
Natural Gasoline	0	–	0	3,068	731	–	0	0	0
Refinery Olefins	–	–	0	0	0	–	0	0	–
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	–	–	0	0	0	–	0	0	–
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	–	0	0	0	0	0	0	217	–
Motor Gasoline Blending Components	0	3,235	0	222	0	1,118	0	0	0
Reformulated - RBOB	–	1,669	0	0	0	0	0	0	–
Conventional	0	1,566	0	222	0	1,118	0	0	0
CBOB	0	1,566	0	222	0	1,118	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	–	–	0	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	0	1,381	0	0	0	62	0	0	12
Fuel Ethanol	0	734	0	0	0	62	0	0	0
Biodiesel	0	17	0	0	0	0	0	0	12
Renewable Diesel Fuel	–	631	–	–	0	0	–	0	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	0	0	0	394	0	91	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	0	0	0	394	0	91	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	0	0	0	394	0	91	0	0	0
Finished Aviation Gasoline	–	–	0	0	0	–	0	0	–
Kerosene-Type Jet Fuel	0	227	0	11	0	32	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	0	923	0	405	0	219	0	0	0
15 ppm sulfur and under	0	923	0	405	0	219	0	0	0
Greater than 15 ppm to 500 ppm sulfur	–	–	–	0	0	–	–	0	–
Greater than 500 ppm sulfur	–	–	0	–	0	–	0	0	–
Residual Fuel Oil	–	–	–	0	0	–	–	0	–
Petrochemical Feedstocks	–	–	–	0	0	–	–	0	–
Naphtha for Petrochemical Feedstock Use	–	–	–	0	0	–	–	0	–
Other Oils for Petrochemical Feedstock Use	–	–	–	0	0	–	–	0	–
Special Naphthas	–	–	–	0	0	–	–	0	–
Lubricants	–	10	0	0	0	0	0	0	–
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	0	0	32	101	130	3	13	32
Asphalt and Road Oil	0	89	0	124	168	251	0	0	10
Miscellaneous Products	–	–	–	0	0	–	–	0	–
Total	**0**	**5,893**	**0**	**49,771**	**6,993**	**1,957**	**3**	**230**	**55**

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

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, July 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	**123**	**19**	**237**	**61,106**	**6,852**	**114**	**21,546**	**0**	**–**
Petroleum Products	**17,013**	**0**	**8,813**	**40,539**	**15,351**	**82,669**	**21,791**	**0**	**4,385**
Natural Gas Liquids	7,275	0	6,520	38,546	11,265	936	11,750	0	–
Ethane	6,041	0	542	16,771	2,486	0	1,031	0	–
Propane	853	0	4,745	11,869	4,458	936	1,689	0	–
Normal Butane	110	0	1,233	4,781	1,936	0	307	0	–
Isobutane	265	0	0	1,437	669	0	893	0	–
Natural Gasoline	6	0	0	3,688	1,716	0	7,830	0	–
Motor Gasoline Blending Components	6,764	0	624	1,231	2,466	46,785	5,821	0	3,235
Reformulated - RBOB	0	0	0	0	–	11,450	3,195	–	1,669
Conventional	6,764	0	624	1,231	2,466	35,335	2,626	0	1,566
CBOB	6,764	0	624	1,231	2,466	34,984	2,486	0	1,566
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	0	0	–	351	140	–	–
Biofuels (including Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Fuel Ethanol	–	–	–	–	–	–	–	–	–
Biodiesel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Other Biofuels[1]	– –	– –	– –	– –	– –	– –	– –	– –	– –
Finished Motor Gasoline	103	0	576	0	161	841	1,005	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	103	0	576	0	161	841	1,005	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	103	0	576	0	161	841	1,005	0	0
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	431	0	151	30	911	13,404	1,097	0	227
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	2,440	0	942	732	548	20,703	2,118	0	923
15 ppm sulfur and under	2,440	0	942	732	548	20,472	2,009	0	923
Greater than 15 ppm to 500 ppm sulfur	0	0	–	0	–	–	109	–	–
Greater than 500 ppm sulfur	– –	– –	– –	– –	– –	– –	– –	– –	– –
Residual Fuel Oil	–	–	–	–	–	–	–	–	–
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total	**17,136**	**19**	**9,050**	**101,645**	**22,203**	**82,783**	**43,337**	**0**	**4,385**

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, July 2023
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	**0**	**26,198**	**284**	**–**	**0**	**0**
Petroleum Products	**0**	**23,417**	**4,914**	**1,460**	**0**	**0**
Natural Gas Liquids	0	22,385	4,914	–	0	0
Ethane	0	6,421	1,766	–	0	0
Propane	0	8,100	1,487	–	0	0
Normal Butane	0	3,461	576	–	0	0
Isobutane	0	1,335	354	–	0	0
Natural Gasoline	0	3,068	731	–	0	0
Motor Gasoline Blending Components	0	222	0	1,118	0	0
Reformulated - RBOB	0	0	0	0	0	–
Conventional	0	222	0	1,118	0	0
CBOB	0	222	0	1,118	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	394	0	91	0	0
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	394	0	91	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	394	0	91	0	0
Finished Aviation Gasoline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	11	0	32	0	0
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	0	405	0	219	0	0
15 ppm sulfur and under	0	405	0	219	0	0
Greater than 15 ppm to 500 ppm sulfur	–	0	0	–	0	–
Greater than 500 ppm sulfur	– –	– –	– –	– –	– –	– –
Residual Fuel Oil	–	–	–	–	–	–
Miscellaneous Products	–	–	–	–	–	–
Total	**0**	**49,615**	**5,198**	**1,460**	**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.
Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, July 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	**133**	**23**	**–**	**311**	**225**	**–**
Petroleum Products	**40**	**10**	**0**	**1,710**	**1,788**	**0**
Natural Gas Liquids	–	0	–	0	0	–
Ethane	–	–	–	–	–	–
Propane	–	0	–	0	0	–
Normal Butane	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–
Unfinished Oils	40	0	0	0	546	0
Motor Gasoline Blending Components	0	0	–	805	133	–
Reformulated - RBOB	–	0	–	0	0	–
Conventional	0	0	–	805	133	–
CBOB	0	0	–	805	79	–
GTAB	–	–	–	–	–	–
Other	0	0	–	0	54	–
Biofuels (including Fuel Ethanol)	0	0	0	319	376	0
Fuel Ethanol	0	0	–	319	336	–
Biodiesel	0	0	–	–	40	–
Renewable Diesel Fuel	–	0	0	–	0	0
Other Biofuels[1]	–	–	–	–	–	–
Finished Motor Gasoline	0	0	–	89	51	–
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	0	–	89	51	–
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	0	–	89	51	–
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	0	0	–	45	0	–
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	0	10	–	400	51	–
15 ppm sulfur and under	0	10	–	400	51	–
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–
Greater than 500 ppm sulfur	–	–	–	–	–	–
Residual Fuel Oil	0	0	–	–	456	–
Less than 0.31 percent sulfur	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	0	0	–	–	319	–
Greater than 1.00 percent sulfur	0	0	–	–	137	–
Petrochemical Feedstocks	0	0	–	–	124	–
Naphtha for Petrochemical Feedstock Use	0	0	–	–	90	–
Other Oils for Petrochemical Feedstock Use	0	0	–	–	34	–
Special Naphthas	0	0	–	–	0	–
Lubricants	0	0	0	0	18	0
Waxes	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–
Asphalt and Road Oil	0	0	–	52	33	–
Miscellaneous Products	0	0	–	–	0	–
Total	**173**	**33**	**0**	**2,021**	**2,013**	**0**

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, July 2023
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	**989**	**–**	**989**	**–**	**0**	**–**	**0**	**0**	**0**
Petroleum Products	**21,711**	**–**	**510**	**21,201**	**1,136**	**641**	**0**	**0**	**217**
Natural Gas Liquids	30	–	–	30	–	–	0	–	0
Ethane	–	–	–	–	–	–	–	–	–
Propane	30	–	–	30	–	–	0	–	0
Normal Butane	–	–	–	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–	–	–	–
Unfinished Oils	21	–	21	–	112	0	0	0	217
Motor Gasoline Blending Components	13,965	–	194	13,771	27	–	0	0	0
Reformulated - RBOB	83	–	83	–	–	–	0	–	0
Conventional	13,882	–	111	13,771	27	–	0	0	0
CBOB	13,714	–	–	13,714	0	–	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	168	–	111	57	27	–	0	0	0
Biofuels (including Fuel Ethanol)	0	–	–	–	0	631	0	0	0
Fuel Ethanol	0	–	–	–	0	–	0	0	0
Biodiesel	–	–	–	–	0	–	–	0	0
Renewable Diesel Fuel	–	–	–	–	–	631	–	–	0
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	415	–	–	415	276	–	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	415	–	–	415	276	–	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	415	–	–	415	276	–	0	0	0
Finished Aviation Gasoline	38	–	–	38	59	–	0	0	0
Kerosene-Type Jet Fuel	3,066	–	–	3,066	178	–	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	3,465	–	–	3,465	147	–	0	0	0
15 ppm sulfur and under	3,465	–	–	3,465	147	–	0	0	0
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	–
Greater than 500 ppm sulfur	–	–	–	–	–	–	–	–	–
Residual Fuel Oil	–	–	–	–	0	–	–	0	0
Less than 0.31 percent sulfur	–	–	–	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	0	–	–	0	0
Greater than 1.00 percent sulfur	–	–	–	–	0	–	–	0	0
Petrochemical Feedstocks	–	–	–	–	19	–	–	0	0
Naphtha for Petrochemical Feedstock Use	–	–	–	–	19	–	–	0	0
Other Oils for Petrochemical Feedstock Use	–	–	–	–	0	–	–	0	0
Special Naphthas	–	–	–	–	9	–	–	0	0
Lubricants	425	–	295	130	152	10	0	0	0
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	286	–	–	286	150	–	0	0	0
Miscellaneous Products	–	–	–	–	7	–	–	0	0
Total	**22,700**	**–**	**1,499**	**21,201**	**1,136**	**641**	**0**	**0**	**217**

– = No Data Reported.
[1] Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Data source: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, July 2023
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	203	0	0	4,453
Propane	51	0	0	0	392	484	0	336
Propylene	0	0	–	–	322	501	–	–
Normal Butane	198	7	0	0	58	167	0	225
Isobutane	112	14	0	0	129	97	0	35
Fuel Ethanol	0	0	0	0	9,299	5,347	673	4,508
Biodiesel	5	0	0	0	72	201	14	192
Marketable Petroleum Coke	0	6	0	0	201	663	3	10
Asphalt and Road Oil	28	0	0	0	663	191	10	217

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	1,526	0
Propane	68	32	0	0	0	0	0	54
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	24	0	4	0	0	0	0
Isobutane	0	93	0	23	0	0	0	0
Fuel Ethanol	0	0	0	734	0	0	0	62
Biodiesel	0	6	0	17	0	0	0	0
Marketable Petroleum Coke	65	6	0	0	0	32	101	130
Asphalt and Road Oil	72	30	0	89	0	124	168	251

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	3	13	13	32
Asphalt and Road Oil	0	0	0	10

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

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, July 2023
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	123	133	0	256
3	19	23	0	42
4	0	–	0	0
5	–	–	0	0
From 2 to				
1	237	311	203	751
3	61,106	225	0	61,331
4	6,852	–	0	6,852
5	–	–	4,453	4,453
From 3 to				
1	114	989	0	1,103
2	21,546	0	0	21,546
4	0	–	0	0
5	–	–	0	0
From 4 to				
1	0	0	0	0
2	26,198	0	0	26,198
3	284	0	1,526	1,810
5	–	–	0	0
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.
Data source: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail [1] Between PAD Districts, July 2023
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	**1,854**	**298**	**1,556**	**48,000**	**73,387**	**-25,387**	**63,183**	**22,649**	**40,534**
Petroleum Products	**126,247**	**17,484**	**108,762**	**64,152**	**93,211**	**-29,059**	**55,428**	**133,596**	**-78,168**
Natural Gas Liquids	8,133	7,657	476	41,921	58,255	-16,334	44,229	12,961	31,269
Ethane	542	6,041	-5,499	13,493	19,799	-6,306	18,537	1,031	17,506
Propane	6,171	904	5,266	10,726	22,284	-11,558	13,840	2,756	11,084
Normal Butane	1,291	315	976	4,100	8,400	-4,300	5,531	335	5,196
Isobutane	129	390	-261	2,698	2,368	330	1,902	1,009	893
Natural Gasoline	0	6	-6	10,904	5,404	5,500	4,419	7,830	-3,411
Refinery Olefins	322	0	322	0	823	-823	501	0	501
Ethylene	0	0	–	–	–	–	0	0	–
Propylene	322	0	322	0	823	-823	501	0	501
Normal Butylene	0	0	–	0	0	–	0	0	–
Isobutylene	0	0	–	0	0	–	0	0	–
Unfinished Oils	21	40	-19	152	546	-394	763	133	630
Motor Gasoline Blending Components	62,179	6,764	55,415	12,834	5,259	7,575	1,364	69,833	-68,469
Reformulated - RBOB	11,533	0	11,533	3,195	0	3,195	0	16,397	-16,397
Conventional	50,646	6,764	43,882	9,639	5,259	4,380	1,364	53,436	-52,072
CBOB	50,127	6,764	43,363	9,472	5,205	4,267	1,310	52,750	-51,440
GTAB	0	0	–	–	–	–	0	0	–
Other	519	0	519	167	54	113	54	686	-632
Biofuels (including Fuel Ethanol)	9,690	5	9,685	11	21,000	-20,989	5,924	1,387	4,537
Fuel Ethanol	9,618	0	9,618	0	20,482	-20,482	5,683	734	4,950
Biodiesel	72	5	67	11	518	-507	241	22	218
Renewable Diesel Fuel	0	0	–	0	0	–	0	631	-631
Other Biofuels[2]	–	–	–	0	0	–	0	0	–
Finished Motor Gasoline	1,921	103	1,818	1,778	877	901	51	2,537	-2,486
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	1,921	103	1,818	1,778	877	901	51	2,537	-2,486
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	1,921	103	1,818	1,778	877	901	51	2,537	-2,486
Finished Aviation Gasoline	38	0	38	59	0	59	0	97	-97
Kerosene-Type Jet Fuel	16,666	431	16,235	1,717	1,137	580	30	17,972	-17,942
Kerosene	0	0	–	0	0	–	0	0	–
Distillate Fuel Oil	25,510	2,450	23,060	5,110	2,673	2,437	793	27,356	-26,563
15 ppm sulfur and under	25,279	2,450	22,829	5,001	2,673	2,328	793	27,016	-26,223
Greater than 15 ppm to 500 ppm sulfur	0	0	–	109	0	109	0	109	-109
Greater than 500 ppm sulfur	231	0	231	0	0	–	0	231	-231
Residual Fuel Oil	0	0	–	0	456	-456	456	0	456
Petrochemical Feedstocks	0	0	–	19	124	-105	124	19	105
Naphtha for Petrochemical Feedstock Use	0	0	–	19	90	-71	90	19	71
Other Oils for Petrochemical Feedstock Use	0	0	–	0	34	-34	34	0	34
Special Naphthas	0	0	–	9	0	9	0	9	-9
Lubricants	425	0	425	152	18	134	18	587	-569
Waxes	0	0	–	0	0	–	0	0	–
Marketable Petroleum Coke	268	6	262	51	877	-826	784	71	712
Asphalt and Road Oil	1,073	28	1,045	332	1,166	-834	392	627	-235
Miscellaneous Products	0	0	–	7	0	7	0	7	-7
Total	**128,101**	**17,782**	**110,319**	**112,152**	**166,598**	**-54,446**	**118,611**	**156,245**	**-37,634**

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail [1] Between PAD Districts, July 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	**6,852**	**28,008**	**-21,156**	**4,453**	**0**	**4,453**
Petroleum Products	**16,106**	**30,713**	**-14,607**	**13,372**	**301**	**13,071**
Natural Gas Liquids	11,265	27,353	-16,088	677	0	677
Ethane	2,486	8,187	-5,701	–	–	–
Propane	4,458	9,641	-5,183	390	0	390
Normal Butane	1,936	4,037	-2,101	230	0	230
Isobutane	669	1,689	-1,020	58	0	58
Natural Gasoline	1,716	3,799	-2,083	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	217	-217
Motor Gasoline Blending Components	2,466	1,340	1,126	4,353	0	4,353
Reformulated - RBOB	–	–	–	1,669	0	1,669
Conventional	2,466	1,340	1,126	2,684	0	2,684
CBOB	2,466	1,340	1,126	2,684	0	2,684
GTAB	–	–	–	–	–	–
Other	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	699	62	637	6,143	12	6,130
Fuel Ethanol	673	62	611	5,303	0	5,303
Biodiesel	26	0	26	208	12	196
Renewable Diesel Fuel	0	0	–	631	0	631
Other Biofuels[2]	0	0	–	0	0	–
Finished Motor Gasoline	161	485	-324	91	0	91
Reformulated	0	0	–	0	0	–
Reformulated Blended with Fuel Ethanol	0	0	–	0	0	–
Reformulated Other	–	–	–	–	–	–
Conventional	161	485	-324	91	0	91
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	161	485	-324	91	0	91
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	911	43	868	259	0	259
Kerosene	–	–	–	0	0	–
Distillate Fuel Oil	548	624	-76	1,142	0	1,142
15 ppm sulfur and under	548	624	-76	1,142	0	1,142
Greater than 15 ppm to 500 ppm sulfur	0	0	–	0	0	–
Greater than 500 ppm sulfur	0	0	–	0	0	–
Residual Fuel Oil	0	0	–	0	0	–
Petrochemical Feedstocks	0	0	–	0	0	–
Naphtha for Petrochemical Feedstock Use	–	–	–	0	0	–
Other Oils for Petrochemical Feedstock Use	0	0	–	0	0	–
Special Naphthas	–	–	–	0	0	–
Lubricants	0	0	–	10	0	10
Waxes	0	0	–	0	0	–
Marketable Petroleum Coke	35	263	-227	139	61	78
Asphalt and Road Oil	21	544	-523	557	10	547
Miscellaneous Products	0	0	–	0	0	–
Total	**22,958**	**58,721**	**-35,763**	**17,825**	**301**	**17,524**

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

Appendix A

District Descriptions and Maps

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

PAD District I

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

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

Sub-PAD District I

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

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

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

PAD District II

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

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

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

PAD District III

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

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

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

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

New Mexico: The State of New Mexico.

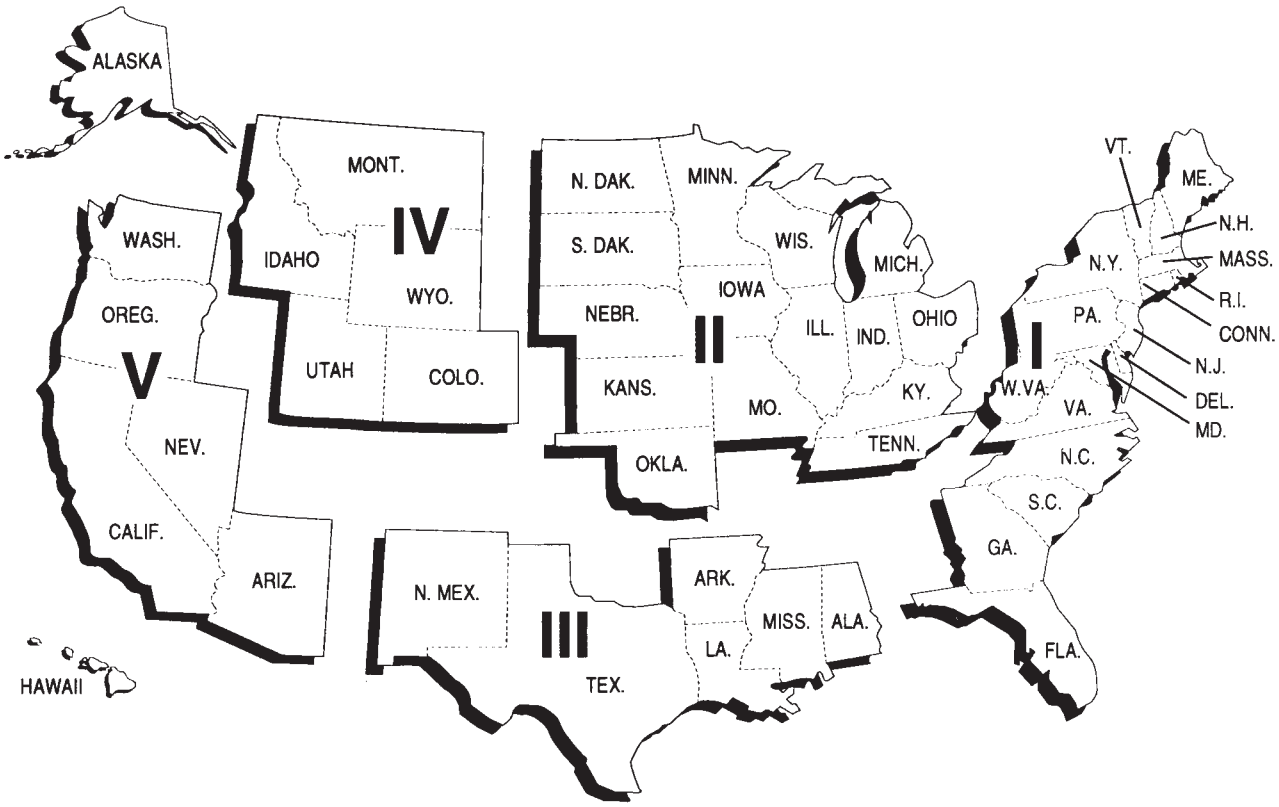
PAD District IV

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

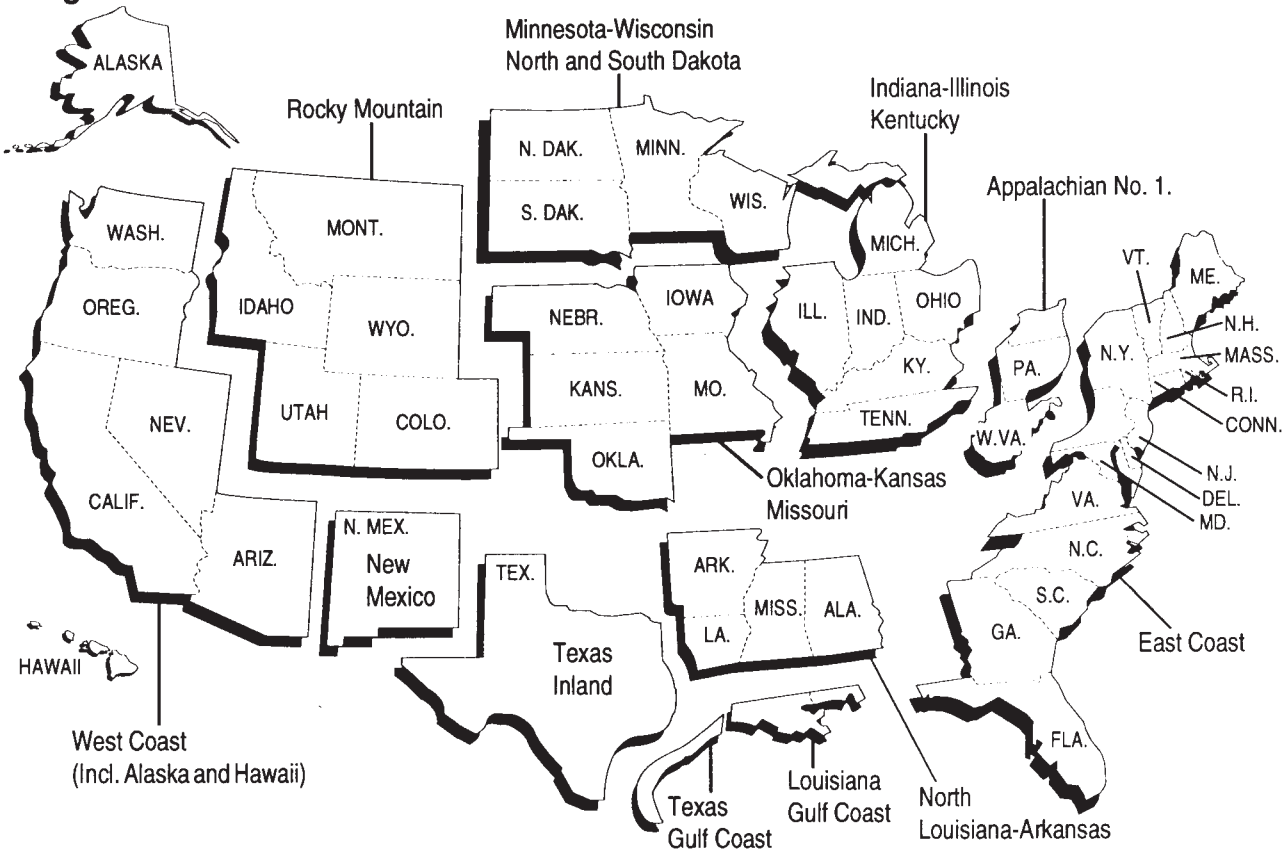
PAD District V

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

Petroleum Administration for Defense (PAD) Districts



Refining Districts



Appendix B. Explanatory Notes

Preface

The U.S. Energy Information Administration (EIA) produces the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) reports using the Monthly Petroleum Supply Reporting System (MPSRS). Data in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids (including natural gas liquids and refinery olefins), refinery feedstocks, hydrogen, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). Selected data are also available for U.S. territories and possessions.

The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

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

Overview

A. The Energy Information Administration's Quality Guidelines

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

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called "implied" demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the "primary" supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals (including certain end-user storage of natural gas liquids), natural gas processing plants and fractionators, biofuels and oxygenate production plants, imports, exports, and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), transfers to crude oil supply (beginning with PSA data for January 2022), refinery and blender net production, biofuels plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net (inter-PADD) receipts are added to supply when product supplied is calculated for by PADD. Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

Beginning with PSA data for January 2021, EIA includes tertiary stocks of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline) held by storage operators with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker, or barge in primary stocks.

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

C. Components of Supply and Disposition

The detailed statistics tables in the *PSM* provide complete supply and disposition information for the current month and year to date. The tables are organized to locate national and PADD supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. EIA provides the following discussion to assist with interpretation of supply and disposition tables 1-25. The EIA glossary contains definitions of products and other terms used on tables.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas liquids (NGL) production from natural gas processing plants. Sources of crude oil production data include state government agencies, Department of the Interior, Bureau of Safety and Environmental Enforcement (and predecessor agencies), first purchase data reported on Form EIA-182,"Domestic Crude Oil First Purchase Report", and Form EIA-914 "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report". Refer to "Domestic Crude Oil Production" in Section 2C (1) for further details. Field production of NGL is reported on Form EIA-816 and published on a net basis (i.e., production minus input).

b. Transfers to crude oil supply – EIA added new data labeled Transfers to crude oil supply to national and regional volumetric balance tables for petroleum and biofuels beginning with PSA data for 2022. Transfers to crude oil supply include barrels of unfinished oils (refinery feedstocks) and NGL that EIA identified as having been added to crude oil supply by blending with crude oil in pipelines and storage. Transfers to crude oil supply quantities include barrels of NGL produced in Alaska and blended into crude oil. Transfers to crude oil supply also include barrels calculated by EIA using the following methods.

Natural gasoline (including natural gasoline, condensate, and scrubber oil) and unfinished oils

- Supply = sum of barrels produced (including field production and net input to biofuel plants), imports, and, for PADD data, net inter-PADD receipts.
- Disposition = sum of barrels added to stocks (stock change), inputs or net inputs, and exports.
- Balance item (transfers to crude oil supply) = disposition minus supply.
- Product supplied assumed = zero.

Crude oil

- Supply = sum of barrels produced, imports, and, for PADD data, net inter-PADD receipts.
- Disposition = sum of barrels added to stocks (stock change), inputs, and exports.
- Transfers to crude oil supply = negative one (-1) times the sum of transfers to crude oil of natural gasoline and unfinished oils, plus NGL production in Alaska.
- Balance item (adjustment) = disposition minus sum of supply and Transfers to crude oil.
- Product supplied assumed = zero.

c. Biofuels Plant Net Production – biofuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and biofuels (diesel, heating oil, jet, naphtha, gasoline, and other biofuels and biointermediates) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-biofuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.

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

e. Imports – Imports include receipts of petroleum and biofuels into the 50 States and the District of Columbia from foreign countries as well as from U.S. possessions and territories. EIA also reports imports received from foreign countries into U.S. possessions and territories as well as trade between U.S. possessions and territories. Imports include goods entered into U.S. commerce, admitted to U.S. foreign trade zones, and withdrawn from bonded storage whether entered into U.S. commerce or withdrawn from bonded storage for international commerce (e.g. jet fuel withdrawn from bonded storage to be used as fuel on an international flight). EIA imports exclude goods entered into bonded storage pending withdrawal whether to be entered into U.S. commerce or for international commerce.

f. Net Receipts – EIA reports net receipts to account for inter-PADD movements in tables showing volumetric balances by PADD. EIA calculates net inter-PADD receipts by subtracting shipments out of each PADD from receipts into each PADD.

g. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, hydrogen, and "other" hydrocarbons. EIA calculates adjustment quantities to balance supply and disposition or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products. Product supplied is a measure of demand for petroleum products. EIA uses adjustment quantities to balance supply and disposition in cases where it is inappropriate to interpret the balance quantities as a measure of demand. Reclassifications reported in the adjustments column are implied by the supply and disposition balance. Supply equals the sum of field production, transfers to crude oil supply (beginning with PSA data for January 2022), biofuels plant net production, refinery and blender net production, imports, net inter-PADD receipts (for data by PADD), and adjustments. Disposition equals the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PADD. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021. Beginning with data for January 2021, EIA uses product supplied as the balance quantity for biofuels excluding fuel ethanol (biodiesel, renewable diesel fuel, and "other" biofuels).

(2.) Disposition

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

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, biofuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

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

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

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

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

d. Products Supplied - Products supplied is a calculated measure of demand equal to field production, plus transfers to crude oil supply, plus biofuels plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

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

   EIA reported crude oil burned as fuel on leases and by pipelines as either distillate or residual fuel oil product supplied prior to January 1983. EIA reported crude oil product supplied equal to crude oil used directly as reported on Form EIA-813 "Monthly Crude Oil Report" from January 1983 through December 2009. EIA discontinued reporting crude oil used directly on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals. Ending stocks also include stocks in transit by rail, truck, and water reported at destination facilities. EIA primary stocks include NGL (ethane, propane, normal butane, isobutane, and natural gasoline) held by end-user storage operators (i.e. tertiary storage) with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks (except stocks of NGL held by end users with storage capacity of at least 50,000 barrels and capability to ship NGL by pipeline, tanker, or barge) held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported in the PSM and PSA, but EIA provides stock quantities held in selected government reserves in Appendix D.

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

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbl_m_cur.htm
http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm
http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbl_m.htm

2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on eight monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

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

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Bulk Terminal Report."
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" (formerly "Monthly Oxygenate Report")
17. EIA-820, "Annual Refinery Report."

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report

on weekly surveys.

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

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at:
https://www.eia.gov/survey/

Form EIA-22M "Monthly Biodiesel Production Survey" collected data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales until data for September 2020. EIA discontinued Form EIA-22M effective with data for October 2020, and incorporated data previously collected on Form EIA-22M into Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.

Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

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

Form EIA-814, "Monthly Imports Report," collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

Form EIA-815, "Monthly Bulk Terminal Report," collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

Form EIA-816, "Monthly Natural Gas Liquids Report," collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

Form EIA-817, "Monthly Tanker and Barge Movement Report," collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

Form EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane and Isooctene" collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Beginning in October 2020 it also collects facility-level data on biodiesel and biofuels production and blending and end-of-month stocks. Plant operators report end-of-month stocks on site on a custody basis regardless of ownership as well as stocks in transit by rail, truck, and water to their plants.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of "Who Must Submit" participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M "Monthly Biodiesel Production Survey" included operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes. EIA discontinued using Form EIA-22M in October 2020 and replaced it with data collected on Form EIA-819 "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene".

Respondents to Form EIA-810, "Monthly Refinery Report" include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, "Monthly Product Pipeline Report" include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, "Monthly Crude Oil Report" include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, "Monthly Imports Report" include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, "Monthly Bulk Terminal Report" include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and

has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, "Monthly Natural Gas Liquids Report" include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, "Monthly Tanker and Barge Movement Report" include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company- owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other biofuels and biointermediates, isooctane, isooctene and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations) located in the 50 States and the District of Columbia.

(3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The eight monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 98 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in

the Petroleum Supply Annual (PSA).

(6.) Macro Editing

EIA compares data reported by individual companies and plants on monthly and weekly surveys. EIA uses these comparisons to identify cases where reporting companies responded differently to the same or similar questions on weekly and monthly surveys and then works with reporting companies to identify and address inconsistent or erroneous reporting on surveys. EIA also compares aggregate and other data with external sources in order to identify and correct potential errors in reporting or survey methodology. EIA makes additional comparisons of survey data with model results. EIA may use imputation to correct known and/or suspected errors in data reported in the Petroleum Supply Monthly and Petroleum Supply Annual.

(7.) Dissemination

In most cases, EIA releases *PSM* data within 60 days of the close of the reference month. The *PSM* is available on the web at:

http://www.eia.gov/petroleum/supply/monthly/

Much of the *PSM* data are available in HTML format on eia.gov. Features include: downloadable spreadsheets containing complete data history, data tables which "pivot" to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at: http://www.eia.gov/petroleum/data.cfm

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

(a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;

(b.) crude oil production data reported on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.

(c.) first purchase data reported on Form EIA-182 "Domestic Crude Oil First Purchase Report." For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, "Production of Crude Oil by PAD District and State." Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (http:// www.eia.gov/petroleum/supply/monthly/) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a "Shipper's Export Declaration Document" with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.

- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil and select products by railroad

The document *U.S. energy-by-rail data methodology* provides the most detailed information available for the EIA methodology for estimating rail movements of crude oil and selected products. Please see link below.

https://www.eia.gov/petroleum/transportation/methodology.pdf

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the Canada Energy Regulator (CER), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

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

Estimates of rail movements are subject to monthly revision as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil were added to PAD District 3 stocks and 330 thousand barrels were added to PAD District 4 stocks in data from 1983 through June, 2016.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Liquids (NGL) Adjustment

EIA discontinued the TAPS-NGL adjustment after introducing *transfers to crude oil supply* as a component of U.S. and regional crude oil balances beginning with PSA data for January 2022. EIA now adds barrels of NGL produced and blended with crude oil in Alaska to crude oil supply making the TAPS-NGL adjustment unnecessary.

The TAPS-NGL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGL adjustment subtracts Alaskan NGL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGL production is added to refinery receipts and inputs of NGPL. The adjusted NGL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS- NGL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and natural gasoline also in PAD District 5.

NGL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

◦ Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock

(GTAB), "other" motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and "other" motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PADD. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and "other". During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and "other" motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PADD. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PADDs. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, "other" motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and "other" finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PADD. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PADD, then the total adjustment quantity of finished conventional motor gasoline in that PADD would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for "other" finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, "other" finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PADD.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and biofuels plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels

plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and "other" motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Biofuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for biofuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). Product supplied for biofuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and "other" biofuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called "biofuels (exluding fuel ethanol)" includes biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for biofuels (excluding fuel ethanol) at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Biofuels (excluding fuel ethanol) was unavailable and was excluded from Biofuels Plant Net Production. Therefore the calculation of adjustments to Biofuels (excluding fuel ethanol) caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to biofuels (excluding fuel ethanol).

  Beginning with PSM data for January 2012, and PSA data for 2011 through December, 2020 production of biodiesel reported on Form EIA-22M was included under the heading of "biofuels plant net production" in petroleum supply and disposition balances for "biofuels (excluding fuel ethanol)". As a result, the adjustment for "biofuels (excluding fuel ethanol)" excludes production of biodiesel beginning with data for January 2012. Beginning with data for January 2010 EIA included rail movements of biodiesel in inter-PADD movements, and so rail movements were excluded from adjustment quantities.

- For data prior to January 2021, biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments. EIA discontinued calculating biodiesel and distillate fuel oil adjustment quantities beginning with data for January 2021. EIA now includes barrels of biodiesel formerly reported in adjustment quantities as product supplied of biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2021, EIA included production of renewable diesel, heating oil, jet fuel, naphtha, gasoline, and other biofuels and biointermediates reported on Form EIA-819 under the heading of "biofuels plant net production" in petroleum supply and disposition balances for "biofuels (excluding fuel ethanol)". EIA now reports barrels formerly included in adjustment quantities as product supplied.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 "Monthly Product Pipeline Report." This adjustment was discontinued after publication of data for December 2010.

For PSM data from January 2012 and PSA data from January 2011 through December 2020, EIA calculated distillate fuel oil adjustments equal to the opposite of biodiesel adjustment quantities described above in section 8. EIA added biodiesel adjustment quantities to supply of distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. EIA assumed that distillate fuel oil adjustment quantities reflected biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Beginning with data for January 2021, EIA discontinued calculating and reporting distillate fuel oil adjustment quantities.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 "Monthly Crude Oil Report" in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

EIA added *Transfers to crude oil supply* as a component of the crude oil supply balance beginning with PSA data for January 2022. *Transfers to crude oil supply* include barrels of unfinished oils (refinery feedstocks) and NGL that EIA identified as having been added to crude oil supply by blending with crude oil in pipelines and storage. *Transfers to crude oil supply* quantities include barrels of NGL produced and blended into crude oil in Alaska.

Crude oil adjustment quantities are normally greater than zero indicating crude oil disposition greater than crude oil supply. Quantities reported as *Transfers to crude oil supply* normally add to crude oil supply and, therefore, tend to bring crude oil adjustment quantities closer to zero. *This Week in Petroleum* released on March 22, 2023 provides additional information on crude oil adjustments and *Transfers to crude oil supply* (see link below).

https://www.eia.gov/petroleum/weekly/archive/2023/230322/includes/analysis_print.php

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for "other" hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. "Other" hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for "other" hydrocarbons produced outside of refineries. There are no movements data collected on surveys for "other" hydrocarbons. Therefore, adjustment quantities include any net receipts of "other" hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of biofuels plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with *PSA* data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non- sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA's most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (http://www.eia.gov/petroleum/supply/monthly/). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly

data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810 through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Appendix D

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the Weekly Petroleum Status Report, Petroleum Supply Monthly, Petroleum Supply Annual and This Week In Petroleum.

Information on the Northeast Reserves is available from the U.S. Department of Energy Office of Petroleum Reserves web site at http://energy.gov/fe/services/petroleum-reserves.

The Northeast Home Heating Oil Reserve is a one million barrel supply of ultra low sulfur distillate (diesel/heating oil) for homes and businesses in the northeastern United States, a region heavily dependent upon the use of heating oil.

The Northeast Gasoline Supply Reserve is a one million barrel supply of seasonally adjusted, regionally appropriate supply of gasoline for consumers in the northeastern United States.

	Northeast Home Heating Oil Reserve Distillate Fuel Oil, 15 ppm Sulfur and Under (Thousand Barrels)				Northeast Gasoline Supply Reserve Motor Gasoline Products (Thousand Barrels)		
	Connecticut	New Jersey	Maine	Massachusetts	New Jersey	Maine	Massachusetts
Jan-23	300	300	200	201	900	99	
Feb-23	300	300	200	201	900	99	
Mar-23	300	300	200	201	900	99	
Apr-23	300	300	200	201	900	99	
May-23	300	300	200	201	900	99	
Jun-23	300	300	200	201	900	99	
Jul-23	300	300	200	201	900	99	
Aug-23							
Sep-23							
Oct-23							
Nov-23							
Dec-23							

Source: U.S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at http://energy.gov/fe/services/petroleum-reserves/

New York State Strategic Fuel Reserve

(Thousand Barrels)

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the Weekly Petroleum Status Report, Petroleum Supply Monthly, Petroleum Supply Annual and This Week In Petroleum.

	Motor Gasoline Blending Components	Fuel Ethanol	Distillate Fuel Oil, 15 ppm Sulfur and Under	NY Total
Jan-23	83	9	34	126
Feb-23	83	9	34	126
Mar-23	83	9	34	126
Apr-23	79	9	34	122
May-23	79	9	34	122
Jun-23	79	9	34	122
Jul-23	79	9	34	122
Aug-23				
Sep-23				
Oct-23				
Nov-23				
Dec-23				

Source: New York State Energy Research & Development Authority