Independent Statistics and Analysis
U.S. Energy Information Administration

Petroleum Supply Monthly

November 2023

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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, September 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]	**397,090**	**21,748**	**– –**	**– –**	**199,206**	**-5,038**	**1,110**	**487,178**	**124,717**	**0**	**768,739**
Hydrocarbon Gas Liquids	**202,602**	**-16,150**	**-697**	**18,391**	**4,401**	**– –**	**12,544**	**20,391**	**80,453**	**95,158**	**279,094**
Natural Gas Liquids	202,602	-16,150	-697	11,133	3,866	– –	12,497	20,391	80,453	87,412	277,259
Ethane	82,034	– –	– –	166	–	– –	7,003	– –	15,114	60,083	58,045
Propane	62,508	-22	– –	8,224	2,497	– –	5,907	– –	48,213	19,087	102,166
Normal Butane	19,763	-313	–	3,472	1,098	– –	-481	6,784	15,643	2,074	76,638
Isobutane	13,502	-123	–	-729	269	– –	108	6,631	12	6,168	12,974
Natural Gasoline	24,795	-15,692	-697	– –	2	– –	-40	6,976	1,471	0	27,436
Refinery Olefins	– –	– –	– –	7,258	535	– –	47	– –	– –	7,746	1,835
Ethylene	– –	– –	– –	17	–	– –	0	– –	– –	17	0
Propylene	– –	– –	– –	7,361	457	– –	19	– –	– –	7,799	1,218
Normal Butylene	– –	– –	– –	-137	78	– –	66	– –	– –	-125	613
Isobutylene	– –	– –	– –	17	–	– –	-38	– –	– –	55	4
Other Liquids	**– –**	**-5,598**	**40,297**	**– –**	**34,394**	**14,517**	**11,466**	**47,524**	**15,465**	**9,155**	**330,848**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	40,297	– –	2,085	6,446	388	35,945	3,326	9,170	30,252
Hydrogen	– –	– –	– –	– –	–	6,874	– –	6,874	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	40,297	– –	2,085	-435	386	29,066	3,326	9,170	30,236
Fuel Ethanol[5]	– –	– –	30,290	– –	400	-435	359	26,981	2,916	0	22,174
Biofuels (excluding Fuel Ethanol)	– –	– –	10,007	– –	1,685	– –	27	2,085	410	9,170	8,062
Biodiesel	– –	– –	3,438	– –	1,280	– –	-13	1,437	410	2,884	3,576
Renewable Diesel Fuel	– –	– –	5,968	– –	405	– –	181	493	NA	5,699	4,221
Other Biofuels[6]	– –	– –	601	– –	–	– –	-141	155	NA	587	265
Other Hydrocarbons	– –	– –	– –	– –	–	7	2	5	–	0	16
Unfinished Oils	– –	-5,598	– –	– –	14,339	– –	2,174	-3,594	10,161	0	88,285
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	0	– –	17,962	8,070	8,896	15,158	1,978	0	212,284
Reformulated	– –	– –	0	– –	4,001	11,594	3,740	11,852	3	0	47,644
Conventional	– –	– –	0	– –	13,961	-3,523	5,156	3,306	1,976	0	164,640
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	8	– –	8	15	–	-15	27
Finished Petroleum Products	**– –**	**– –**	**210**	**568,815**	**19,242**	**-7,636**	**1,018**	**– –**	**81,159**	**498,455**	**255,978**
Finished Motor Gasoline	– –	– –	201	290,724	4,541	-7,636	-175	– –	23,035	264,971	15,338
Reformulated	– –	– –	–	89,893	–	-9,989	5	– –	–	79,899	20
Conventional	– –	– –	201	200,831	4,541	2,354	-180	– –	23,035	185,072	15,318
Finished Aviation Gasoline	– –	– –	– –	363	47	– –	195	– –	–	215	1,150
Kerosene-Type Jet Fuel	– –	– –	4	52,490	3,282	– –	851	– –	4,154	50,771	43,478
Kerosene	– –	– –	–	228	–	– –	-55	– –	154	129	1,425
Distillate Fuel Oil[5]	– –	– –	5	147,703	3,566	– –	2,280	– –	31,361	117,633	119,170
15 ppm sulfur and under	– –	– –	5	142,366	3,561	– –	2,507	– –	27,046	116,379	109,914
Greater than 15 to 500 ppm sulfur	– –	– –	0	2,934	3	– –	97	– –	2,238	602	2,402
Greater than 500 ppm sulfur	– –	– –	–	2,403	2	– –	-324	– –	2,078	651	6,854
Residual Fuel Oil	– –	– –	– –	7,902	3,746	– –	1,480	– –	3,526	6,642	27,511
Less than 0.31 percent sulfur	– –	– –	– –	1,137	380	– –	-90	– –	NA	NA	2,443
0.31 to 1.00 percent sulfur	– –	– –	– –	2,435	993	– –	-300	– –	NA	NA	5,930
Greater than 1.00 percent sulfur	– –	– –	– –	4,330	2,373	– –	1,870	– –	NA	NA	19,138
Petrochemical Feedstocks	– –	– –	– –	6,242	282	– –	-122	– –	1,303	5,343	2,734
Naphtha for Petro. Feed. Use	– –	– –	– –	4,261	153	– –	-135	– –	–	4,549	1,911
Other Oils for Petro. Feed. Use	– –	– –	– –	1,981	129	– –	13	– –	1,303	794	823
Special Naphthas	– –	– –	– –	843	547	– –	31	– –	–	1,359	1,134
Lubricants	– –	– –	– –	4,471	1,167	– –	-236	– –	3,454	2,420	11,626
Waxes	– –	– –	– –	100	102	– –	-47	– –	137	112	615
Petroleum Coke	– –	– –	– –	24,904	206	– –	245	– –	13,257	11,608	6,595
Marketable	– –	– –	– –	18,834	206	– –	245	– –	13,257	5,538	6,595
Catalyst	– –	– –	– –	6,070	– –	– –	– –	– –	– –	6,070	– –
Asphalt and Road Oil	– –	– –	– –	10,168	1,756	– –	-3,092	– –	731	14,285	24,364
Still Gas	– –	– –	– –	20,146	– –	– –	– –	– –	– –	20,146	– –
Miscellaneous Products	– –	– –	– –	2,531	–	– –	-336	– –	47	2,820	838
Total	**599,692**	**0**	**39,810**	**587,206**	**257,243**	**1,843**	**26,139**	**555,093**	**301,794**	**602,768**	**1,634,660**

– – = 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-September 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]	**3,497,414**	**145,837**	**– –**	**– –**	**1,767,338**	**11,488**	**-32,852**	**4,360,702**	**1,094,227**	**0**	**768,739**
Hydrocarbon Gas Liquids	**1,730,879**	**-115,359**	**-6,407**	**186,736**	**44,803**	**– –**	**68,010**	**155,201**	**706,765**	**910,676**	**279,094**
Natural Gas Liquids	1,730,879	-115,359	-6,407	119,278	39,815	– –	68,048	155,201	706,765	838,192	277,259
Ethane	707,120	– –	– –	1,462	–	– –	4,499	– –	134,940	569,143	58,045
Propane	540,206	-212	– –	76,539	28,003	– –	25,612	– –	417,714	201,210	102,166
Normal Butane	162,496	-3,759	–	45,340	9,507	– –	34,888	40,142	126,433	12,121	76,638
Isobutane	122,512	-1,477	–	-4,063	2,278	– –	766	61,792	975	55,717	12,974
Natural Gasoline	198,545	-109,911	-6,407	– –	27	– –	2,283	53,267	26,704	0	27,436
Refinery Olefins	– –	– –	– –	67,458	4,988	– –	-38	– –	– –	72,484	1,835
Ethylene	– –	– –	– –	99	–	– –	0	– –	– –	99	0
Propylene	– –	– –	– –	67,714	4,105	– –	-120	– –	– –	71,939	1,218
Normal Butylene	– –	– –	– –	-422	883	– –	94	– –	– –	367	613
Isobutylene	– –	– –	– –	67	–	– –	-12	– –	– –	79	4
Other Liquids	**– –**	**-30,478**	**355,158**	**– –**	**338,758**	**70,019**	**6,049**	**526,229**	**129,720**	**71,459**	**330,848**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	355,163	– –	15,776	51,349	-1,471	322,556	29,631	71,573	30,252
Hydrogen	– –	– –	– –	– –	–	58,939	– –	58,939	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	355,163	– –	15,761	-7,689	-1,477	263,509	29,631	71,573	30,236
Fuel Ethanol[5]	– –	– –	274,882	– –	649	-7,689	-2,252	245,240	24,853	0	22,174
Biofuels (excluding Fuel Ethanol)	– –	– –	80,282	– –	15,112	– –	774	18,269	4,778	71,573	8,062
Biodiesel	– –	– –	30,436	– –	8,642	– –	-24	12,832	4,778	21,492	3,576
Renewable Diesel Fuel	– –	– –	44,985	– –	6,406	– –	815	3,789	NA	46,786	4,221
Other Biofuels[6]	– –	– –	4,861	– –	64	– –	-17	1,648	NA	3,294	265
Other Hydrocarbons	– –	– –	– –	– –	15	99	6	108	–	0	16
Unfinished Oils	– –	-30,478	– –	– –	149,394	– –	2,140	36,618	80,158	0	88,285
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	-5	– –	173,580	18,670	5,387	166,927	19,931	0	212,284
Reformulated	– –	– –	-1	– –	38,537	69,473	2,133	105,618	258	0	47,644
Conventional	– –	– –	-4	– –	135,043	-50,803	3,254	61,309	19,672	0	164,640
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	8	– –	-6	128	–	-114	27
Finished Petroleum Products	**– –**	**– –**	**1,853**	**5,132,951**	**189,819**	**-10,981**	**-213**	**– –**	**797,776**	**4,516,079**	**255,978**
Finished Motor Gasoline	– –	– –	1,792	2,632,279	33,463	-10,981	-2,074	– –	215,485	2,443,142	15,338
Reformulated	– –	– –	–	813,660	–	-55,701	0	– –	–	757,959	20
Conventional	– –	– –	1,792	1,818,619	33,463	44,721	-2,074	– –	215,485	1,685,184	15,318
Finished Aviation Gasoline	– –	– –	– –	2,779	191	– –	-156	– –	–	3,126	1,150
Kerosene-Type Jet Fuel	– –	– –	71	467,253	36,686	– –	8,440	– –	45,410	450,161	43,478
Kerosene	– –	– –	0	3,140	574	– –	-703	– –	1,117	3,300	1,425
Distillate Fuel Oil[5]	– –	– –	-9	1,327,732	47,140	– –	361	– –	297,410	1,077,092	119,170
15 ppm sulfur and under	– –	– –	-9	1,274,832	46,889	– –	1,261	– –	254,872	1,065,579	109,914
Greater than 15 to 500 ppm sulfur	– –	– –	0	29,647	52	– –	-97	– –	25,771	4,024	2,402
Greater than 500 ppm sulfur	– –	– –	0	23,253	199	– –	-803	– –	16,766	7,489	6,854
Residual Fuel Oil	– –	– –	– –	72,969	31,077	– –	-3,228	– –	35,888	71,386	27,511
Less than 0.31 percent sulfur	– –	– –	– –	9,567	2,312	– –	-337	– –	NA	NA	2,443
0.31 to 1.00 percent sulfur	– –	– –	– –	23,294	7,422	– –	-241	– –	NA	NA	5,930
Greater than 1.00 percent sulfur	– –	– –	– –	40,108	21,343	– –	-2,650	– –	NA	NA	19,138
Petrochemical Feedstocks	– –	– –	– –	60,323	4,880	– –	346	– –	9,218	55,639	2,734
Naphtha for Petro. Feed. Use	– –	– –	– –	35,021	3,307	– –	128	– –	–	38,200	1,911
Other Oils for Petro. Feed. Use	– –	– –	– –	25,302	1,573	– –	218	– –	9,218	17,439	823
Special Naphthas	– –	– –	– –	7,732	4,815	– –	157	– –	–	12,390	1,134
Lubricants	– –	– –	– –	40,732	12,179	– –	-1,721	– –	30,063	24,569	11,626
Waxes	– –	– –	– –	1,281	1,095	– –	14	– –	1,149	1,213	615
Petroleum Coke	– –	– –	– –	220,449	2,254	– –	-279	– –	156,168	66,814	6,595
Marketable	– –	– –	– –	168,264	2,254	– –	-279	– –	156,168	14,629	6,595
Catalyst	– –	– –	– –	52,185	– –	– –	– –	– –	– –	52,185	– –
Asphalt and Road Oil	– –	– –	– –	91,342	15,465	– –	-1,312	– –	5,223	102,896	24,364
Still Gas	– –	– –	– –	181,238	– –	– –	– –	– –	– –	181,238	– –
Miscellaneous Products	– –	– –	– –	23,702	–	– –	-57	– –	646	23,113	838
Total	**5,228,293**	**0**	**350,604**	**5,319,687**	**2,340,718**	**70,526**	**40,994**	**5,042,132**	**2,728,488**	**5,498,214**	**1,634,660**

– – = 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, September 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]	**13,236**	**725**	**– –**	**– –**	**6,640**	**-168**	**37**	**16,239**	**4,157**	**0**
Hydrocarbon Gas Liquids	**6,753**	**-538**	**-23**	**613**	**147**	**– –**	**418**	**680**	**2,682**	**3,172**
Natural Gas Liquids	6,753	-538	-23	371	129	– –	417	680	2,682	2,914
Ethane	2,734	– –	– –	6	–	– –	233	– –	504	2,003
Propane	2,084	-1	– –	274	83	– –	197	– –	1,607	636
Normal Butane	659	-10	–	116	37	– –	-16	226	521	69
Isobutane	450	-4	–	-24	9	– –	4	221	0	206
Natural Gasoline	827	-523	-23	– –	0	– –	-1	233	49	0
Refinery Olefins	– –	– –	– –	242	18	– –	2	– –	– –	258
Ethylene	– –	– –	– –	1	–	– –	0	– –	– –	1
Propylene	– –	– –	– –	245	15	– –	1	– –	– –	260
Normal Butylene	– –	– –	– –	-5	3	– –	2	– –	– –	-4
Isobutylene	– –	– –	– –	1	–	– –	-1	– –	– –	2
Other Liquids	**– –**	**-187**	**1,343**	**– –**	**1,146**	**484**	**382**	**1,584**	**516**	**305**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,343	– –	70	215	13	1,198	111	306
Hydrogen	– –	– –	– –	– –	–	229	– –	229	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,343	– –	70	-14	13	969	111	306
Fuel Ethanol[5]	– –	– –	1,010	– –	13	-14	12	899	97	0
Biofuels (excluding Fuel Ethanol)	– –	– –	334	– –	56	– –	1	70	14	306
Biodiesel	– –	– –	115	– –	43	– –	0	48	14	96
Renewable Diesel Fuel	– –	– –	199	– –	14	– –	6	16	NA	190
Other Biofuels[6]	– –	– –	20	– –	–	– –	-5	5	NA	20
Other Hydrocarbons	– –	– –	– –	– –	–	0	0	0	–	0
Unfinished Oils	– –	-187	– –	– –	478	– –	72	-120	339	0
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	0	– –	599	269	297	505	66	0
Reformulated	– –	– –	0	– –	133	386	125	395	0	0
Conventional	– –	– –	0	– –	465	-117	172	110	66	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	0	– –	0	1	–	-1
Finished Petroleum Products	**– –**	**– –**	**7**	**18,961**	**641**	**-255**	**34**	**– –**	**2,705**	**16,615**
Finished Motor Gasoline	– –	– –	7	9,691	151	-255	-6	– –	768	8,832
Reformulated	– –	– –	–	2,996	–	-333	0	– –	–	2,663
Conventional	– –	– –	7	6,694	151	78	-6	– –	768	6,169
Finished Aviation Gasoline	– –	– –	– –	12	2	– –	7	– –	–	7
Kerosene-Type Jet Fuel	– –	– –	0	1,750	109	– –	28	– –	138	1,692
Kerosene	– –	– –	–	8	–	– –	-2	– –	5	4
Distillate Fuel Oil[5]	– –	– –	0	4,923	119	– –	76	– –	1,045	3,921
15 ppm sulfur and under	– –	– –	0	4,746	119	– –	84	– –	902	3,879
Greater than 15 to 500 ppm sulfur	– –	– –	0	98	0	– –	3	– –	75	20
Greater than 500 ppm sulfur	– –	– –	–	80	0	– –	-11	– –	69	22
Residual Fuel Oil	– –	– –	– –	263	125	– –	49	– –	118	221
Less than 0.31 percent sulfur	– –	– –	– –	38	13	– –	-3	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	81	33	– –	-10	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	144	79	– –	62	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	208	9	– –	-4	– –	43	178
Naphtha for Petro. Feed. Use	– –	– –	– –	142	5	– –	-5	– –	–	152
Other Oils for Petro. Feed. Use	– –	– –	– –	66	4	– –	0	– –	43	26
Special Naphthas	– –	– –	– –	28	18	– –	1	– –	–	45
Lubricants	– –	– –	– –	149	39	– –	-8	– –	115	81
Waxes	– –	– –	– –	3	3	– –	-2	– –	5	4
Petroleum Coke	– –	– –	– –	830	7	– –	8	– –	442	387
Marketable	– –	– –	– –	628	7	– –	8	– –	442	185
Catalyst	– –	– –	– –	202	– –	– –	– –	– –	– –	202
Asphalt and Road Oil	– –	– –	– –	339	59	– –	-103	– –	24	476
Still Gas	– –	– –	– –	672	– –	– –	– –	– –	– –	672
Miscellaneous Products	– –	– –	– –	84	–	– –	-11	– –	2	94
Total	**19,990**	**0**	**1,327**	**19,574**	**8,575**	**61**	**871**	**18,503**	**10,060**	**20,092**

– – = 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-September 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]	**12,811**	**534**	**– –**	**– –**	**6,474**	**42**	**-120**	**15,973**	**4,008**	**0**
Hydrocarbon Gas Liquids	**6,340**	**-423**	**-23**	**684**	**164**	**– –**	**249**	**569**	**2,589**	**3,336**
Natural Gas Liquids	6,340	-423	-23	437	146	– –	249	569	2,589	3,070
Ethane	2,590	– –	– –	5	–	– –	16	– –	494	2,085
Propane	1,979	-1	– –	280	103	– –	94	– –	1,530	737
Normal Butane	595	-14	–	166	35	– –	128	147	463	44
Isobutane	449	-5	–	-15	8	– –	3	226	4	204
Natural Gasoline	727	-403	-23	– –	0	– –	8	195	98	0
Refinery Olefins	– –	– –	– –	247	18	– –	0	– –	– –	266
Ethylene	– –	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	– –	248	15	– –	0	– –	– –	264
Normal Butylene	– –	– –	– –	-2	3	– –	0	– –	– –	1
Isobutylene	– –	– –	– –	0	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-112**	**1,301**	**– –**	**1,241**	**256**	**22**	**1,928**	**475**	**262**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,301	– –	58	188	-5	1,182	109	262
Hydrogen	– –	– –	– –	– –	–	216	– –	216	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,301	– –	58	-28	-5	965	109	262
Fuel Ethanol[5]	– –	– –	1,007	– –	2	-28	-8	898	91	0
Biofuels (excluding Fuel Ethanol)	– –	– –	294	– –	55	– –	3	67	18	262
Biodiesel	– –	– –	111	– –	32	– –	0	47	18	79
Renewable Diesel Fuel	– –	– –	165	– –	23	– –	3	14	NA	171
Other Biofuels[6]	– –	– –	18	– –	0	– –	0	6	NA	12
Other Hydrocarbons	– –	– –	– –	– –	0	0	0	0	–	0
Unfinished Oils	– –	-112	– –	– –	547	– –	8	134	294	0
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	– –	0	– –	636	68	20	611	73	0
Reformulated	– –	– –	0	– –	141	254	8	387	1	0
Conventional	– –	– –	0	– –	495	-186	12	225	72	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	0	– –	0	0	–	0
Finished Petroleum Products	**– –**	**– –**	**7**	**18,802**	**695**	**-40**	**-1**	**– –**	**2,922**	**16,542**
Finished Motor Gasoline	– –	– –	7	9,642	123	-40	-8	– –	789	8,949
Reformulated	– –	– –	–	2,980	–	-204	0	– –	–	2,776
Conventional	– –	– –	7	6,662	123	164	-8	– –	789	6,173
Finished Aviation Gasoline	– –	– –	– –	10	1	– –	-1	– –	–	11
Kerosene-Type Jet Fuel	– –	– –	0	1,712	134	– –	31	– –	166	1,649
Kerosene	– –	– –	0	12	2	– –	-3	– –	4	12
Distillate Fuel Oil[5]	– –	– –	0	4,863	173	– –	1	– –	1,089	3,945
15 ppm sulfur and under	– –	– –	0	4,670	172	– –	5	– –	934	3,903
Greater than 15 to 500 ppm sulfur	– –	– –	0	109	0	– –	0	– –	94	15
Greater than 500 ppm sulfur	– –	– –	0	85	1	– –	-3	– –	61	27
Residual Fuel Oil	– –	– –	– –	267	114	– –	-12	– –	131	261
Less than 0.31 percent sulfur	– –	– –	– –	35	8	– –	-1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	85	27	– –	-1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	147	78	– –	-10	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	221	18	– –	1	– –	34	204
Naphtha for Petro. Feed. Use	– –	– –	– –	128	12	– –	0	– –	–	140
Other Oils for Petro. Feed. Use	– –	– –	– –	93	6	– –	1	– –	34	64
Special Naphthas	– –	– –	– –	28	18	– –	1	– –	–	45
Lubricants	– –	– –	– –	149	45	– –	-6	– –	110	90
Waxes	– –	– –	– –	5	4	– –	0	– –	4	4
Petroleum Coke	– –	– –	– –	808	8	– –	-1	– –	572	245
Marketable	– –	– –	– –	616	8	– –	-1	– –	572	54
Catalyst	– –	– –	– –	191	– –	– –	– –	– –	– –	191
Asphalt and Road Oil	– –	– –	– –	335	57	– –	-5	– –	19	377
Still Gas	– –	– –	– –	664	– –	– –	– –	– –	– –	664
Miscellaneous Products	– –	– –	– –	87	–	– –	0	– –	2	85
Total	**19,151**	**0**	**1,284**	**19,486**	**8,574**	**258**	**150**	**18,469**	**9,994**	**20,140**

– – = 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, September 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	**1,910**	**2,157**	**– –**	**– –**	**17,487**	**816**	**-1,498**	**635**	**20,235**	**1**	**0**	**7,540**
Hydrocarbon Gas Liquids	**21,206**	**-1,919**	**-8**	**437**	**958**	**695**	**– –**	**-843**	**2,012**	**10,240**	**9,961**	**11,810**
Natural Gas Liquids	21,206	-1,919	-8	127	655	475	– –	-898	2,012	10,240	9,182	11,601
Ethane	8,599	– –	– –	–	–	-5,952	– –	-214	– –	2,472	389	895
Propane	7,180	– –	– –	393	558	5,276	– –	-21	– –	5,946	7,481	8,469
Normal Butane	2,243	– –	–	-191	84	1,512	– –	-617	1,663	1,786	816	1,777
Isobutane	947	– –	–	-75	13	-352	– –	-20	57	1	496	110
Natural Gasoline	2,237	-1,919	-8	– –	–	-9	– –	-26	292	35	0	350
Refinery Olefins	– –	– –	– –	310	303	220	– –	55	– –	– –	778	209
Ethylene	– –	– –	– –	13	–	–	– –	–	– –	– –	13	–
Propylene	– –	– –	– –	279	303	220	– –	-4	– –	– –	806	108
Normal Butylene	– –	– –	– –	1	–	–	– –	97	– –	– –	-96	97
Isobutylene	– –	– –	– –	17	–	–	– –	-38	– –	– –	55	4
Other Liquids	**– –**	**-238**	**474**	**– –**	**18,664**	**61,605**	**7,966**	**2,517**	**85,355**	**276**	**324**	**67,685**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	474	– –	841	9,588	17	148	10,197	251	324	7,994
Hydrogen	– –	– –	– –	– –	–	– –	108	– –	– –	–	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	474	– –	841	9,588	-91	148	10,089	251	324	7,994
Fuel Ethanol[6]	– –	– –	303	– –	249	9,497	-91	-5	9,715	248	0	6,572
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	171	– –	592	92	– –	153	374	3	324	1,423
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-238	– –	– –	2,196	279	– –	340	1,878	19	0	3,605
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	15,627	51,738	7,949	2,029	73,280	5	0	56,086
Reformulated	– –	– –	–	– –	4,001	6,067	4,039	1,592	12,515	0	0	19,645
Conventional	– –	– –	–	– –	11,626	45,671	3,910	437	60,765	5	0	36,441
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**108,026**	**10,737**	**39,582**	**-7,858**	**-769**	**– –**	**1,947**	**149,310**	**56,981**
Finished Motor Gasoline	– –	– –	–	95,172	3,324	2,218	-7,858	-654	– –	43	93,466	2,711
Reformulated	– –	– –	–	34,980	–	–	-3,750	-1	– –	–	31,231	4
Conventional	– –	– –	–	60,192	3,324	2,218	-4,108	-653	– –	43	62,236	2,707
Finished Aviation Gasoline	– –	– –	– –	–	44	88	– –	29	– –	–	103	179
Kerosene-Type Jet Fuel	– –	– –	–	2,235	1,612	15,150	– –	184	– –	9	18,804	12,392
Kerosene	– –	– –	–	-11	–	174	– –	-55	– –	4	214	461
Distillate Fuel Oil[6]	– –	– –	0	6,991	2,825	20,374	– –	-211	– –	975	29,427	27,918
15 ppm sulfur and under	– –	– –	0	7,139	2,823	20,176	– –	82	– –	954	29,102	26,577
Greater than 15 to 500 ppm sulfur	– –	– –	–	15	2	–	– –	-60	– –	20	57	508
Greater than 500 ppm sulfur	– –	– –	–	-163	–	198	– –	-233	– –	–	268	833
Residual Fuel Oil	– –	– –	– –	649	1,742	–	– –	737	– –	8	1,646	5,627
Less than 0.31 percent sulfur	– –	– –	– –	-6	–	–	– –	-19	– –	NA	NA	568
0.31 to 1.00 percent sulfur	– –	– –	– –	553	149	–	– –	-472	– –	NA	NA	992
Greater than 1.00 percent sulfur	– –	– –	– –	102	1,593	–	– –	1,228	– –	NA	NA	4,067
Petrochemical Feedstocks	– –	– –	– –	17	–	–	– –	-2	– –	130	-111	6
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	17	–	–	– –	–	– –	130	-111	6
Special Naphthas	– –	– –	– –	18	–	–	– –	8	– –	–	10	56
Lubricants	– –	– –	– –	357	113	264	– –	-70	– –	180	624	1,367
Waxes	– –	– –	– –	-20	82	–	– –	-11	– –	91	-18	309
Petroleum Coke	– –	– –	– –	633	–	235	– –	–	– –	434	434	–
Marketable	– –	– –	– –	236	–	235	– –	–	– –	434	37	–
Catalyst	– –	– –	– –	397	– –	– –	– –	–	– –	– –	397	– –
Asphalt and Road Oil	– –	– –	– –	1,134	995	1,079	– –	-713	– –	60	3,861	5,903
Still Gas	– –	– –	– –	794	– –	– –	– –	–	– –	– –	794	– –
Miscellaneous Products	– –	– –	– –	57	–	–	– –	-11	– –	12	56	52
Total	**23,116**	**0**	**466**	**108,463**	**47,846**	**102,699**	**-1,390**	**1,539**	**107,602**	**12,464**	**159,595**	**144,017**

– – = 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-September 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	**18,885**	**21,138**	**– –**	**– –**	**159,021**	**19,558**	**-23,969**	**-72**	**193,264**	**1,442**	**0**	**7,540**
Hydrocarbon Gas Liquids	**190,090**	**-14,773**	**-82**	**6,137**	**9,382**	**15,044**	**– –**	**2,102**	**8,945**	**80,085**	**114,666**	**11,810**
Natural Gas Liquids	190,090	-14,773	-82	4,332	6,689	12,953	– –	2,046	8,945	80,085	108,133	11,601
Ethane	81,487	– –	– –	–	–	-49,263	– –	35	– –	20,181	12,008	895
Propane	62,826	– –	– –	3,607	6,195	51,649	– –	1,630	– –	42,511	80,136	8,469
Normal Butane	19,165	– –	–	1,067	461	13,952	– –	263	5,819	17,020	11,543	1,777
Isobutane	8,437	– –	–	-342	33	-2,650	– –	-30	1,054	7	4,447	110
Natural Gasoline	18,175	-14,773	-82	– –	–	-734	– –	148	2,072	366	0	350
Refinery Olefins	– –	– –	– –	1,805	2,693	2,091	– –	56	– –	– –	6,533	209
Ethylene	– –	– –	– –	65	–	–	– –	–	– –	– –	65	–
Propylene	– –	– –	– –	1,706	2,693	2,091	– –	-29	– –	– –	6,519	108
Normal Butylene	– –	– –	– –	-33	–	–	– –	97	– –	– –	-130	97
Isobutylene	– –	– –	– –	67	–	–	– –	-12	– –	– –	79	4
Other Liquids	**– –**	**-6,365**	**4,848**	**– –**	**168,836**	**561,737**	**67,349**	**2,593**	**788,931**	**2,296**	**2,586**	**67,685**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	4,848	– –	4,337	83,281	5,007	-137	93,682	1,342	2,586	7,994
Hydrogen	– –	– –	– –	– –	–	– –	676	– –	676	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	4,848	– –	4,337	83,281	4,331	-137	93,006	1,342	2,586	7,994
Fuel Ethanol[6]	– –	– –	3,151	– –	249	82,265	4,331	-462	89,147	1,311	0	6,572
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	1,697	– –	4,088	1,016	– –	325	3,859	31	2,586	1,423
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-6,365	– –	– –	19,551	305	– –	148	12,839	504	0	3,605
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	144,948	478,151	62,342	2,582	682,410	449	0	56,086
Reformulated	– –	– –	–	– –	37,468	74,740	30,212	2,809	139,608	3	0	19,645
Conventional	– –	– –	–	– –	107,480	403,411	32,130	-227	542,802	446	0	36,441
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**5**	**992,509**	**102,376**	**382,049**	**-66,673**	**-3,448**	**– –**	**17,052**	**1,396,662**	**56,981**
Finished Motor Gasoline	– –	– –	–	873,845	26,348	19,098	-66,673	-183	– –	891	851,910	2,711
Reformulated	– –	– –	–	318,609	–	–	-27,843	-1	– –	–	290,767	4
Conventional	– –	– –	–	555,236	26,348	19,098	-38,831	-182	– –	891	561,142	2,707
Finished Aviation Gasoline	– –	– –	– –	–	141	781	– –	-27	– –	–	949	179
Kerosene-Type Jet Fuel	– –	– –	–	24,212	13,254	134,593	– –	3,435	– –	1,299	167,325	12,392
Kerosene	– –	– –	0	894	554	770	– –	-1,155	– –	36	3,337	461
Distillate Fuel Oil[6]	– –	– –	5	60,171	38,305	208,676	– –	-6,484	– –	5,409	308,233	27,918
15 ppm sulfur and under	– –	– –	5	60,367	38,155	206,293	– –	-5,438	– –	4,344	305,915	26,577
Greater than 15 to 500 ppm sulfur	– –	– –	0	178	19	99	– –	-83	– –	659	-280	508
Greater than 500 ppm sulfur	– –	– –	0	-374	131	2,284	– –	-963	– –	406	2,598	833
Residual Fuel Oil	– –	– –	– –	6,956	13,196	–	– –	16	– –	1,833	18,303	5,627
Less than 0.31 percent sulfur	– –	– –	– –	-50	998	–	– –	275	– –	NA	NA	568
0.31 to 1.00 percent sulfur	– –	– –	– –	4,984	2,706	–	– –	150	– –	NA	NA	992
Greater than 1.00 percent sulfur	– –	– –	– –	2,022	9,492	–	– –	-409	– –	NA	NA	4,067
Petrochemical Feedstocks	– –	– –	– –	45	424	300	– –	6	– –	285	478	6
Naphtha for Petro. Feed. Use	– –	– –	– –	–	388	300	– –	–	– –	–	688	–
Other Oils for Petro. Feed. Use	– –	– –	– –	45	36	–	– –	–	– –	285	-210	6
Special Naphthas	– –	– –	– –	76	78	–	– –	-5	– –	–	159	56
Lubricants	– –	– –	– –	3,116	1,064	3,879	– –	-173	– –	1,959	6,273	1,367
Waxes	– –	– –	– –	-51	745	–	– –	88	– –	653	-47	309
Petroleum Coke	– –	– –	– –	4,308	3	3,203	– –	–	– –	3,861	3,652	–
Marketable	– –	– –	– –	1,648	3	3,203	– –	–	– –	3,861	992	–
Catalyst	– –	– –	– –	2,660	– –	– –	– –	– –	– –	– –	2,660	– –
Asphalt and Road Oil	– –	– –	– –	10,440	8,264	10,749	– –	1,048	– –	694	27,711	5,903
Still Gas	– –	– –	– –	7,892	– –	– –	– –	– –	– –	– –	7,892	– –
Miscellaneous Products	– –	– –	– –	605	–	–	– –	-14	– –	132	487	52
Total	**208,975**	**0**	**4,771**	**998,646**	**439,615**	**978,388**	**-23,293**	**1,175**	**991,140**	**100,874**	**1,513,914**	**144,017**

– – = 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, September 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	**64**	**72**	**– –**	**– –**	**583**	**27**	**-50**	**21**	**675**	**0**	**0**
Hydrocarbon Gas Liquids	**707**	**-64**	**0**	**15**	**32**	**23**	**– –**	**-28**	**67**	**341**	**332**
Natural Gas Liquids	707	-64	0	4	22	16	– –	-30	67	341	306
Ethane	287	– –	– –	–	–	-198	– –	-7	– –	82	13
Propane	239	– –	– –	13	19	176	– –	-1	– –	198	249
Normal Butane	75	– –	–	-6	3	50	– –	-21	55	60	27
Isobutane	32	– –	–	-3	0	-12	– –	-1	2	0	17
Natural Gasoline	75	-64	0	– –	–	0	– –	-1	10	1	0
Refinery Olefins	– –	– –	– –	10	10	7	– –	2	– –	– –	26
Ethylene	– –	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	– –	9	10	7	– –	0	– –	– –	27
Normal Butylene	– –	– –	– –	0	–	–	– –	3	– –	– –	-3
Isobutylene	– –	– –	– –	1	–	–	– –	-1	– –	– –	2
Other Liquids	**– –**	**-8**	**16**	**– –**	**622**	**2,054**	**266**	**84**	**2,845**	**9**	**11**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	16	– –	28	320	1	5	340	8	11
Hydrogen	– –	– –	– –	– –	–	– –	4	– –	4	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	16	– –	28	320	-3	5	336	8	11
Fuel Ethanol[6]	– –	– –	10	– –	8	317	-3	0	324	8	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	6	– –	20	3	– –	5	12	0	11
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-8	– –	– –	73	9	– –	11	63	1	0
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	– –	–	– –	521	1,725	265	68	2,443	0	0
Reformulated	– –	– –	–	– –	133	202	135	53	417	0	0
Conventional	– –	– –	–	– –	388	1,522	130	15	2,026	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**3,601**	**358**	**1,319**	**-262**	**-26**	**– –**	**65**	**4,977**
Finished Motor Gasoline	– –	– –	–	3,172	111	74	-262	-22	– –	1	3,116
Reformulated	– –	– –	–	1,166	–	–	-125	0	– –	–	1,041
Conventional	– –	– –	–	2,006	111	74	-137	-22	– –	1	2,075
Finished Aviation Gasoline	– –	– –	– –	–	1	3	– –	1	– –	–	3
Kerosene-Type Jet Fuel	– –	– –	–	75	54	505	– –	6	– –	0	627
Kerosene	– –	– –	–	0	–	6	– –	-2	– –	0	7
Distillate Fuel Oil[6]	– –	– –	0	233	94	679	– –	-7	– –	32	981
15 ppm sulfur and under	– –	– –	0	238	94	673	– –	3	– –	32	970
Greater than 15 to 500 ppm sulfur	– –	– –	–	1	0	–	– –	-2	– –	1	2
Greater than 500 ppm sulfur	– –	– –	–	-5	–	7	– –	-8	– –	–	9
Residual Fuel Oil	– –	– –	– –	22	58	–	– –	25	– –	0	55
Less than 0.31 percent sulfur	– –	– –	– –	0	–	–	– –	-1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	18	5	–	– –	-16	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	3	53	–	– –	41	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	1	–	–	– –	0	– –	4	-4
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	1	–	–	– –	–	– –	4	-4
Special Naphthas	– –	– –	– –	1	–	–	– –	0	– –	–	0
Lubricants	– –	– –	– –	12	4	9	– –	-2	– –	6	21
Waxes	– –	– –	– –	-1	3	–	– –	0	– –	3	-1
Petroleum Coke	– –	– –	– –	21	–	8	– –	–	– –	14	14
Marketable	– –	– –	– –	8	–	8	– –	–	– –	14	1
Catalyst	– –	– –	– –	13	– –	– –	– –	– –	– –	– –	13
Asphalt and Road Oil	– –	– –	– –	38	33	36	– –	-24	– –	2	129
Still Gas	– –	– –	– –	26	– –	– –	– –	– –	– –	– –	26
Miscellaneous Products	– –	– –	– –	2	–	–	– –	0	– –	0	2
Total	**771**	**0**	**16**	**3,615**	**1,595**	**3,423**	**-46**	**51**	**3,587**	**415**	**5,320**

– – = 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-September 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	**69**	**77**	**– –**	**– –**	**582**	**72**	**-88**	**0**	**708**	**5**	**0**
Hydrocarbon Gas Liquids	**696**	**-54**	**0**	**22**	**34**	**55**	**– –**	**8**	**33**	**293**	**420**
Natural Gas Liquids	696	-54	0	16	25	47	– –	7	33	293	396
Ethane	298	– –	– –	–	–	-180	– –	0	– –	74	44
Propane	230	– –	– –	13	23	189	– –	6	– –	156	294
Normal Butane	70	– –	–	4	2	51	– –	1	21	62	42
Isobutane	31	– –	–	-1	0	-10	– –	0	4	0	16
Natural Gasoline	67	-54	0	– –	–	-3	– –	1	8	1	0
Refinery Olefins	– –	– –	– –	7	10	8	– –	0	– –	– –	24
Ethylene	– –	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	– –	6	10	8	– –	0	– –	– –	24
Normal Butylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Isobutylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-23**	**18**	**– –**	**618**	**2,058**	**247**	**9**	**2,890**	**8**	**9**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	18	– –	16	305	18	-1	343	5	9
Hydrogen	– –	– –	– –	– –	–	– –	2	– –	2	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	18	– –	16	305	16	-1	341	5	9
Fuel Ethanol[6]	– –	– –	12	– –	1	301	16	-2	327	5	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	6	– –	15	4	– –	1	14	0	9
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-23	– –	– –	72	1	– –	1	47	2	0
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	– –	–	– –	531	1,751	228	9	2,500	2	0
Reformulated	– –	– –	–	– –	137	274	111	10	511	0	0
Conventional	– –	– –	–	– –	394	1,478	118	-1	1,988	2	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**3,636**	**375**	**1,399**	**-244**	**-13**	**– –**	**62**	**5,116**
Finished Motor Gasoline	– –	– –	–	3,201	97	70	-244	-1	– –	3	3,121
Reformulated	– –	– –	–	1,167	–	–	-102	0	– –	–	1,065
Conventional	– –	– –	–	2,034	97	70	-142	-1	– –	3	2,055
Finished Aviation Gasoline	– –	– –	– –	–	1	3	– –	0	– –	–	3
Kerosene-Type Jet Fuel	– –	– –	–	89	49	493	– –	13	– –	5	613
Kerosene	– –	– –	0	3	2	3	– –	-4	– –	0	12
Distillate Fuel Oil[6]	– –	– –	0	220	140	764	– –	-24	– –	20	1,129
15 ppm sulfur and under	– –	– –	0	221	140	756	– –	-20	– –	16	1,121
Greater than 15 to 500 ppm sulfur	– –	– –	0	1	0	0	– –	0	– –	2	-1
Greater than 500 ppm sulfur	– –	– –	0	-1	0	8	– –	-4	– –	1	10
Residual Fuel Oil	– –	– –	– –	25	48	–	– –	0	– –	7	67
Less than 0.31 percent sulfur	– –	– –	– –	0	4	–	– –	1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	18	10	–	– –	1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	7	35	–	– –	-1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	0	2	1	– –	0	– –	1	2
Naphtha for Petro. Feed. Use	– –	– –	– –	–	1	1	– –	–	– –	–	3
Other Oils for Petro. Feed. Use	– –	– –	– –	0	0	–	– –	–	– –	1	-1
Special Naphthas	– –	– –	– –	0	0	–	– –	0	– –	–	1
Lubricants	– –	– –	– –	11	4	14	– –	-1	– –	7	23
Waxes	– –	– –	– –	0	3	–	– –	0	– –	2	0
Petroleum Coke	– –	– –	– –	16	0	12	– –	–	– –	14	13
Marketable	– –	– –	– –	6	0	12	– –	–	– –	14	4
Catalyst	– –	– –	– –	10	– –	– –	– –	– –	– –	– –	10
Asphalt and Road Oil	– –	– –	– –	38	30	39	– –	4	– –	3	102
Still Gas	– –	– –	– –	29	– –	– –	– –	– –	– –	– –	29
Miscellaneous Products	– –	– –	– –	2	–	–	– –	0	– –	0	2
Total	**765**	**0**	**17**	**3,658**	**1,610**	**3,584**	**-85**	**4**	**3,631**	**370**	**5,545**

– – = 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, September 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	**58,066**	**4,802**	**– –**	**– –**	**84,204**	**-30,782**	**-1,567**	**-4,737**	**114,468**	**4,993**	**0**	**104,523**
Hydrocarbon Gas Liquids	**37,894**	**-6,778**	**-659**	**3,258**	**1,742**	**-17,195**	**– –**	**1,483**	**3,789**	**3,295**	**9,695**	**64,769**
Natural Gas Liquids	37,894	-6,778	-659	1,967	1,510	-16,396	– –	1,501	3,789	3,295	8,952	64,254
Ethane	13,712	– –	– –	–	–	-7,361	– –	-459	– –	1,724	5,086	6,113
Propane	12,846	– –	– –	2,149	827	-10,225	– –	2,010	– –	124	3,464	28,026
Normal Butane	4,596	– –	–	206	495	-4,244	– –	231	647	58	117	18,068
Isobutane	1,975	– –	–	-388	188	804	– –	421	1,869	4	285	2,296
Natural Gasoline	4,765	-6,778	-659	– –	–	4,629	– –	-702	1,273	1,385	0	9,751
Refinery Olefins	– –	– –	– –	1,291	232	-799	– –	-18	– –	– –	742	515
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	1,123	154	-799	– –	-3	– –	– –	481	450
Normal Butylene	– –	– –	– –	168	78	–	– –	-15	– –	– –	261	65
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**1,976**	**31,713**	**– –**	**480**	**-13,240**	**-1,122**	**1,310**	**12,582**	**3,898**	**2,017**	**66,744**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	31,713	– –	70	-19,391	175	472	8,863	1,215	2,017	9,729
Hydrogen	– –	– –	– –	– –	–	– –	1,016	– –	1,016	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	31,713	– –	70	-19,391	-848	470	7,842	1,215	2,017	9,713
Fuel Ethanol	– –	– –	28,612	– –	–	-18,879	-848	604	7,305	976	0	8,782
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	3,101	– –	70	-512	– –	-134	537	239	2,017	931
Other Hydrocarbons	– –	– –	– –	– –	–	–	7	2	5	–	0	16
Unfinished Oils	– –	1,976	– –	– –	–	-589	– –	-368	-722	2,477	0	13,845
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	410	6,740	-1,297	1,206	4,441	206	0	43,170
Reformulated	– –	– –	0	– –	–	2,047	-853	-341	1,535	–	0	4,384
Conventional	– –	– –	0	– –	410	4,693	-444	1,547	2,906	206	0	38,786
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	– –	**167**	**134,409**	**1,282**	**-297**	**2,145**	**-3,523**	**– –**	**847**	**140,382**	**58,166**
Finished Motor Gasoline	– –	– –	169	74,153	–	-259	2,145	47	– –	147	76,013	3,721
Reformulated	– –	– –	–	9,950	–	–	975	–	– –	–	10,925	–
Conventional	– –	– –	169	64,203	–	-259	1,170	47	– –	147	65,088	3,721
Finished Aviation Gasoline	– –	– –	– –	1	3	25	– –	69	– –	–	-40	180
Kerosene-Type Jet Fuel	– –	– –	–	8,386	–	-196	– –	-294	– –	83	8,401	7,173
Kerosene	– –	– –	–	105	–	–	– –	49	– –	0	56	230
Distillate Fuel Oil	– –	– –	-2	34,637	159	2,594	– –	-1,524	– –	62	38,850	31,173
15 ppm sulfur and under	– –	– –	-2	34,785	156	2,457	– –	-1,488	– –	1	38,883	30,540
Greater than 15 to 500 ppm sulfur	– –	– –	–	37	1	137	– –	-58	– –	4	229	282
Greater than 500 ppm sulfur	– –	– –	–	-185	2	–	– –	22	– –	57	-262	351
Residual Fuel Oil	– –	– –	– –	970	105	-239	– –	-130	– –	1	965	1,317
Less than 0.31 percent sulfur	– –	– –	– –	81	–	–	– –	11	– –	NA	NA	247
0.31 to 1.00 percent sulfur	– –	– –	– –	315	7	-153	– –	23	– –	NA	NA	551
Greater than 1.00 percent sulfur	– –	– –	– –	574	98	-86	– –	-164	– –	NA	NA	519
Petrochemical Feedstocks	– –	– –	– –	843	153	-100	– –	-64	– –	–	960	546
Naphtha for Petro. Feed. Use	– –	– –	– –	498	90	-33	– –	-77	– –	–	632	418
Other Oils for Petro. Feed. Use	– –	– –	– –	345	63	-67	– –	13	– –	–	328	128
Special Naphthas	– –	– –	– –	-28	22	17	– –	-9	– –	–	20	184
Lubricants	– –	– –	– –	121	200	49	– –	-55	– –	194	231	727
Waxes	– –	– –	– –	25	15	–	– –	2	– –	21	17	64
Petroleum Coke	– –	– –	– –	5,515	7	-1,161	– –	-218	– –	216	4,362	2,450
Marketable	– –	– –	– –	4,039	7	-1,161	– –	-218	– –	216	2,886	2,450
Catalyst	– –	– –	– –	1,476	– –	– –	– –	– –	– –	– –	1,476	– –
Asphalt and Road Oil	– –	– –	– –	4,963	618	-1,033	– –	-1,392	– –	121	5,819	10,195
Still Gas	– –	– –	– –	4,258	– –	– –	– –	– –	– –	– –	4,258	– –
Miscellaneous Products	– –	– –	– –	460	–	7	– –	-4	– –	1	470	206
Total	**95,960**	**0**	**31,220**	**137,667**	**87,708**	**-61,513**	**-544**	**-5,467**	**130,839**	**13,032**	**152,094**	**294,202**

– – = 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-September 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	**489,310**	**33,028**	**– –**	**– –**	**783,417**	**-202,926**	**-23,342**	**-2,117**	**1055248**	**26,356**	**0**	**104,523**
Hydrocarbon Gas Liquids	**318,766**	**-46,148**	**-6,066**	**37,922**	**17,187**	**-154,653**	**– –**	**12,424**	**28,047**	**46,331**	**80,206**	**64,769**
Natural Gas Liquids	318,766	-46,148	-6,066	26,584	14,893	-147,998	– –	12,292	28,047	46,331	73,361	64,254
Ethane	113,415	– –	– –	–	–	-60,347	– –	-82	– –	19,277	33,873	6,113
Propane	110,879	– –	– –	20,617	9,035	-98,235	– –	5,000	– –	1,243	36,052	28,026
Normal Butane	38,239	– –	–	8,416	3,895	-38,639	– –	7,982	3,798	1,140	-1,009	18,068
Isobutane	18,460	– –	–	-2,449	1,950	2,535	– –	267	15,769	16	4,444	2,296
Natural Gasoline	37,773	-46,148	-6,066	– –	13	46,688	– –	-875	8,480	24,655	0	9,751
Refinery Olefins	– –	– –	– –	11,338	2,294	-6,655	– –	132	– –	– –	6,845	515
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	10,120	1,411	-6,655	– –	78	– –	– –	4,798	450
Normal Butylene	– –	– –	– –	1,218	883	–	– –	54	– –	– –	2,047	65
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**13,120**	**288,332**	**– –**	**5,030**	**-126,227**	**-19,173**	**-1,395**	**112,765**	**33,447**	**16,265**	**66,744**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	288,335	– –	786	-179,159	-3,577	-1,514	80,824	10,810	16,265	9,729
Hydrogen	– –	– –	– –	– –	–	– –	10,137	– –	10,137	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	288,335	– –	786	-179,159	-13,828	-1,520	70,579	10,810	16,265	9,713
Fuel Ethanol	– –	– –	260,798	– –	–	-173,406	-13,828	-1,215	66,387	8,391	0	8,782
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	27,538	– –	786	-5,753	– –	-306	4,192	2,420	16,265	931
Other Hydrocarbons	– –	– –	– –	– –	–	–	114	6	108	–	0	16
Unfinished Oils	– –	13,120	– –	– –	135	-4,918	– –	272	-13,501	21,566	0	13,845
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	-4	– –	4,109	57,850	-15,595	-152	45,442	1,070	0	43,170
Reformulated	– –	– –	0	– –	–	19,012	-4,478	49	14,485	–	0	4,384
Conventional	– –	– –	-3	– –	4,109	38,838	-11,118	-201	30,957	1,070	0	38,786
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**1,336**	**1,217,810**	**12,928**	**3,752**	**29,424**	**2,944**	**– –**	**7,812**	**1,254,494**	**58,166**
Finished Motor Gasoline	– –	– –	1,370	670,825	1	3,145	29,424	459	– –	1,991	702,315	3,721
Reformulated	– –	– –	–	91,071	–	–	6,171	–	– –	–	97,242	–
Conventional	– –	– –	1,370	579,754	1	3,145	23,252	459	– –	1,991	605,072	3,721
Finished Aviation Gasoline	– –	– –	– –	157	35	214	– –	-23	– –	–	429	180
Kerosene-Type Jet Fuel	– –	– –	–	75,365	–	1,718	– –	371	– –	429	76,283	7,173
Kerosene	– –	– –	–	628	20	–	– –	132	– –	6	510	230
Distillate Fuel Oil	– –	– –	-34	313,323	2,485	22,775	– –	2,317	– –	572	335,661	31,173
15 ppm sulfur and under	– –	– –	-34	313,033	2,388	21,919	– –	2,486	– –	19	334,802	30,540
Greater than 15 to 500 ppm sulfur	– –	– –	0	907	33	856	– –	-115	– –	51	1,860	282
Greater than 500 ppm sulfur	– –	– –	–	-617	64	–	– –	-54	– –	501	-1,000	351
Residual Fuel Oil	– –	– –	– –	8,823	718	-5,557	– –	129	– –	51	3,804	1,317
Less than 0.31 percent sulfur	– –	– –	– –	560	–	-464	– –	28	– –	NA	NA	247
0.31 to 1.00 percent sulfur	– –	– –	– –	3,339	66	-2,197	– –	307	– –	NA	NA	551
Greater than 1.00 percent sulfur	– –	– –	– –	4,924	652	-2,896	– –	-206	– –	NA	NA	519
Petrochemical Feedstocks	– –	– –	– –	7,702	1,448	-635	– –	18	– –	–	8,497	546
Naphtha for Petro. Feed. Use	– –	– –	– –	4,393	811	-439	– –	25	– –	–	4,740	418
Other Oils for Petro. Feed. Use	– –	– –	– –	3,309	637	-196	– –	-7	– –	–	3,757	128
Special Naphthas	– –	– –	– –	-198	119	188	– –	66	– –	–	43	184
Lubricants	– –	– –	– –	1,780	2,074	1,373	– –	5	– –	1,706	3,516	727
Waxes	– –	– –	– –	325	144	–	– –	17	– –	270	182	64
Petroleum Coke	– –	– –	– –	49,584	131	-8,666	– –	-169	– –	2,083	39,134	2,450
Marketable	– –	– –	– –	37,120	131	-8,666	– –	-169	– –	2,083	26,670	2,450
Catalyst	– –	– –	– –	12,464	– –	– –	– –	– –	– –	– –	12,464	– –
Asphalt and Road Oil	– –	– –	– –	45,940	5,753	-10,875	– –	-452	– –	695	40,575	10,195
Still Gas	– –	– –	– –	39,232	– –	– –	– –	– –	– –	– –	39,232	– –
Miscellaneous Products	– –	– –	– –	4,324	–	72	– –	74	– –	9	4,313	206
Total	**808,076**	**0**	**283,602**	**1,255,732**	**818,562**	**-480,053**	**-13,091**	**11,856**	**1196060**	**113,946**	**1,350,965**	**294,202**

– – = 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, September 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	**1,936**	**160**	**– –**	**– –**	**2,807**	**-1,026**	**-52**	**-158**	**3,816**	**166**	**0**
Hydrocarbon Gas Liquids	**1,263**	**-226**	**-22**	**109**	**58**	**-573**	**– –**	**49**	**126**	**110**	**323**
Natural Gas Liquids	1,263	-226	-22	66	50	-547	– –	50	126	110	298
Ethane	457	– –	– –	–	–	-245	– –	-15	– –	57	170
Propane	428	– –	– –	72	28	-341	– –	67	– –	4	115
Normal Butane	153	– –	–	7	17	-141	– –	8	22	2	4
Isobutane	66	– –	–	-13	6	27	– –	14	62	0	10
Natural Gasoline	159	-226	-22	– –	–	154	– –	-23	42	46	0
Refinery Olefins	– –	– –	– –	43	8	-27	– –	-1	– –	– –	25
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	37	5	-27	– –	0	– –	– –	16
Normal Butylene	– –	– –	– –	6	3	–	– –	-1	– –	– –	9
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**66**	**1,057**	**– –**	**16**	**-441**	**-37**	**44**	**419**	**130**	**67**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,057	– –	2	-646	6	16	295	40	67
Hydrogen	– –	– –	– –	– –	–	– –	34	– –	34	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,057	– –	2	-646	-28	16	261	40	67
Fuel Ethanol	– –	– –	954	– –	–	-629	-28	20	244	33	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	103	– –	2	-17	– –	-4	18	8	67
Other Hydrocarbons	– –	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	66	– –	– –	–	-20	– –	-12	-24	83	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	14	225	-43	40	148	7	0
Reformulated	– –	– –	0	– –	–	68	-28	-11	51	–	0
Conventional	– –	– –	0	– –	14	156	-15	52	97	7	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**6**	**4,480**	**43**	**-10**	**71**	**-117**	**– –**	**28**	**4,679**
Finished Motor Gasoline	– –	– –	6	2,472	–	-9	71	2	– –	5	2,534
Reformulated	– –	– –	–	332	–	–	32	–	– –	–	364
Conventional	– –	– –	6	2,140	–	-9	39	2	– –	5	2,170
Finished Aviation Gasoline	– –	– –	– –	0	0	1	– –	2	– –	–	-1
Kerosene-Type Jet Fuel	– –	– –	–	280	–	-7	– –	-10	– –	3	280
Kerosene	– –	– –	–	4	–	–	– –	2	– –	0	2
Distillate Fuel Oil	– –	– –	0	1,155	5	86	– –	-51	– –	2	1,295
15 ppm sulfur and under	– –	– –	0	1,160	5	82	– –	-50	– –	0	1,296
Greater than 15 to 500 ppm sulfur	– –	– –	–	1	0	5	– –	-2	– –	0	8
Greater than 500 ppm sulfur	– –	– –	–	-6	0	–	– –	1	– –	2	-9
Residual Fuel Oil	– –	– –	– –	32	4	-8	– –	-4	– –	0	32
Less than 0.31 percent sulfur	– –	– –	– –	3	–	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	11	0	-5	– –	1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	19	3	-3	– –	-5	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	28	5	-3	– –	-2	– –	–	32
Naphtha for Petro. Feed. Use	– –	– –	– –	17	3	-1	– –	-3	– –	–	21
Other Oils for Petro. Feed. Use	– –	– –	– –	12	2	-2	– –	0	– –	–	11
Special Naphthas	– –	– –	– –	-1	1	1	– –	0	– –	–	1
Lubricants	– –	– –	– –	4	7	2	– –	-2	– –	6	8
Waxes	– –	– –	– –	1	1	–	– –	0	– –	1	1
Petroleum Coke	– –	– –	– –	184	0	-39	– –	-7	– –	7	145
Marketable	– –	– –	– –	135	0	-39	– –	-7	– –	7	96
Catalyst	– –	– –	– –	49	– –	– –	– –	– –	– –	– –	49
Asphalt and Road Oil	– –	– –	– –	165	21	-34	– –	-46	– –	4	194
Still Gas	– –	– –	– –	142	– –	– –	– –	– –	– –	– –	142
Miscellaneous Products	– –	– –	– –	15	–	0	– –	0	– –	0	16
Total	**3,199**	**0**	**1,041**	**4,589**	**2,924**	**-2,050**	**-18**	**-182**	**4,361**	**434**	**5,070**

– – = 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-September 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	**1,792**	**121**	**– –**	**– –**	**2,870**	**-743**	**-86**	**-8**	**3,865**	**97**	**0**
Hydrocarbon Gas Liquids	**1,168**	**-169**	**-22**	**139**	**63**	**-566**	**– –**	**46**	**103**	**170**	**294**
Natural Gas Liquids	1,168	-169	-22	97	55	-542	– –	45	103	170	269
Ethane	415	– –	– –	–	–	-221	– –	0	– –	71	124
Propane	406	– –	– –	76	33	-360	– –	18	– –	5	132
Normal Butane	140	– –	–	31	14	-142	– –	29	14	4	-4
Isobutane	68	– –	–	-9	7	9	– –	1	58	0	16
Natural Gasoline	138	-169	-22	– –	0	171	– –	-3	31	90	0
Refinery Olefins	– –	– –	– –	42	8	-24	– –	0	– –	– –	25
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	37	5	-24	– –	0	– –	– –	18
Normal Butylene	– –	– –	– –	4	3	–	– –	0	– –	– –	7
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**48**	**1,056**	**– –**	**18**	**-462**	**-70**	**-5**	**413**	**123**	**60**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,056	– –	3	-656	-13	-6	296	40	60
Hydrogen	– –	– –	– –	– –	–	– –	37	– –	37	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	1,056	– –	3	-656	-51	-6	259	40	60
Fuel Ethanol	– –	– –	955	– –	–	-635	-51	-4	243	31	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	101	– –	3	-21	– –	-1	15	9	60
Other Hydrocarbons	– –	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	48	– –	– –	0	-18	– –	1	-49	79	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	15	212	-57	-1	166	4	0
Reformulated	– –	– –	0	– –	–	70	-16	0	53	–	0
Conventional	– –	– –	0	– –	15	142	-41	-1	113	4	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**5**	**4,461**	**47**	**14**	**108**	**11**	**– –**	**29**	**4,595**
Finished Motor Gasoline	– –	– –	5	2,457	0	12	108	2	– –	7	2,573
Reformulated	– –	– –	–	334	–	–	23	–	– –	–	356
Conventional	– –	– –	5	2,124	0	12	85	2	– –	7	2,216
Finished Aviation Gasoline	– –	– –	– –	1	0	1	– –	0	– –	–	2
Kerosene-Type Jet Fuel	– –	– –	–	276	–	6	– –	1	– –	2	279
Kerosene	– –	– –	–	2	0	–	– –	0	– –	0	2
Distillate Fuel Oil	– –	– –	0	1,148	9	83	– –	8	– –	2	1,230
15 ppm sulfur and under	– –	– –	0	1,147	9	80	– –	9	– –	0	1,226
Greater than 15 to 500 ppm sulfur	– –	– –	0	3	0	3	– –	0	– –	0	7
Greater than 500 ppm sulfur	– –	– –	–	-2	0	–	– –	0	– –	2	-4
Residual Fuel Oil	– –	– –	– –	32	3	-20	– –	0	– –	0	14
Less than 0.31 percent sulfur	– –	– –	– –	2	–	-2	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	12	0	-8	– –	1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	18	2	-11	– –	-1	– –	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	– –	– –	– –	182	0	-32	– –	-1	– –	8	143
Marketable	– –	– –	– –	136	0	-32	– –	-1	– –	8	98
Catalyst	– –	– –	– –	46	– –	– –	– –	– –	– –	– –	46
Asphalt and Road Oil	– –	– –	– –	168	21	-40	– –	-2	– –	3	149
Still Gas	– –	– –	– –	144	– –	– –	– –	– –	– –	– –	144
Miscellaneous Products	– –	– –	– –	16	–	0	– –	0	– –	0	16
Total	**2,960**	**0**	**1,039**	**4,600**	**2,998**	**-1,758**	**-48**	**43**	**4,381**	**417**	**4,949**

– – = 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, September 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]	**286,292**	**11,622**	**– –**	**– –**	**44,515**	**46,446**	**1,172**	**6,716**	**263,607**	**119,724**	**0**	**588,775**
Hydrocarbon Gas Liquids	**124,520**	**-5,668**	**-14**	**12,697**	**–**	**31,619**	**– –**	**11,262**	**13,390**	**65,455**	**73,048**	**186,779**
Natural Gas Liquids	124,520	-5,668	-14	7,292	–	31,041	– –	11,308	13,390	65,455	67,018	185,953
Ethane	54,231	– –	– –	166	–	19,083	– –	7,527	– –	10,917	55,036	49,625
Propane	36,426	– –	– –	4,526	–	9,627	– –	3,622	– –	41,213	5,745	59,886
Normal Butane	10,152	– –	–	2,947	–	4,250	– –	-386	4,241	13,272	222	50,091
Isobutane	9,424	– –	–	-347	–	635	– –	-245	3,938	4	6,016	9,767
Natural Gasoline	14,287	-5,668	-14	– –	–	-2,555	– –	790	5,211	49	0	16,584
Refinery Olefins	– –	– –	– –	5,405	–	578	– –	-46	– –	– –	6,029	826
Ethylene	– –	– –	– –	4	–	–	– –	0	– –	– –	4	0
Propylene	– –	– –	– –	5,771	–	578	– –	28	– –	– –	6,321	646
Normal Butylene	– –	– –	– –	-370	–	–	– –	-74	– –	– –	-296	180
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-5,954**	**5,312**	**– –**	**12,016**	**-58,086**	**5,050**	**5,518**	**-61,769**	**10,554**	**4,035**	**133,592**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	5,312	– –	398	4,248	4,493	-77	8,969	1,502	4,058	5,776
Hydrogen	– –	– –	– –	– –	–	– –	4,138	– –	4,138	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	5,312	– –	398	4,248	355	-77	4,831	1,502	4,058	5,776
Fuel Ethanol	– –	– –	737	– –	–	4,716	355	-227	4,573	1,462	0	3,762
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	4,575	– –	398	-468	– –	150	258	40	4,058	2,014
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-5,954	– –	– –	10,448	310	– –	2,439	-5,089	7,454	0	48,718
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	1,170	-62,644	556	3,148	-65,664	1,598	0	79,071
Reformulated	– –	– –	–	– –	–	-9,293	5,890	778	-4,182	1	0	10,022
Conventional	– –	– –	–	– –	1,170	-53,351	-5,334	2,370	-61,482	1,597	0	69,049
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	8	15	–	-23	27
Finished Petroleum Products	**– –**	– –	**9**	**221,169**	**3,654**	**-41,269**	**-912**	**4,099**	**– –**	**69,931**	**108,621**	**101,529**
Finished Motor Gasoline	– –	– –	0	66,919	197	-1,659	-912	420	– –	22,093	42,032	5,817
Reformulated	– –	– –	–	14,456	–	–	-4,514	–	– –	–	9,942	–
Conventional	– –	– –	0	52,463	197	-1,659	3,602	420	– –	22,093	32,091	5,817
Finished Aviation Gasoline	– –	– –	– –	313	–	-113	– –	68	– –	–	132	517
Kerosene-Type Jet Fuel	– –	– –	–	27,141	–	-15,871	– –	1,135	– –	3,296	6,839	14,069
Kerosene	– –	– –	–	136	–	-174	– –	-47	– –	23	-14	727
Distillate Fuel Oil	– –	– –	9	84,738	–	-24,311	– –	2,492	– –	27,886	30,057	44,578
15 ppm sulfur and under	– –	– –	9	79,836	–	-23,976	– –	2,370	– –	23,699	29,799	38,248
Greater than 15 to 500 ppm sulfur	– –	– –	0	2,539	–	-137	– –	142	– –	2,184	76	1,135
Greater than 500 ppm sulfur	– –	– –	–	2,363	–	-198	– –	-20	– –	2,003	182	5,195
Residual Fuel Oil	– –	– –	– –	3,581	1,853	239	– –	632	– –	2,375	2,666	15,958
Less than 0.31 percent sulfur	– –	– –	– –	811	380	–	– –	-135	– –	NA	NA	799
0.31 to 1.00 percent sulfur	– –	– –	– –	921	791	153	– –	216	– –	NA	NA	3,804
Greater than 1.00 percent sulfur	– –	– –	– –	1,849	682	86	– –	551	– –	NA	NA	11,355
Petrochemical Feedstocks	– –	– –	– –	5,245	101	100	– –	-56	– –	1,123	4,379	2,182
Naphtha for Petro. Feed. Use	– –	– –	– –	3,763	35	33	– –	-58	– –	–	3,889	1,493
Other Oils for Petro. Feed. Use	– –	– –	– –	1,482	66	67	– –	2	– –	1,123	490	689
Special Naphthas	– –	– –	– –	839	510	-17	– –	49	– –	–	1,283	860
Lubricants	– –	– –	– –	3,574	790	-352	– –	-201	– –	2,973	1,240	8,568
Waxes	– –	– –	– –	95	4	–	– –	-38	– –	22	115	242
Petroleum Coke	– –	– –	– –	14,199	199	1,005	– –	523	– –	9,587	5,293	3,122
Marketable	– –	– –	– –	11,154	199	1,005	– –	523	– –	9,587	2,248	3,122
Catalyst	– –	– –	– –	3,045	– –	– –	– –	– –	– –	– –	3,045	– –
Asphalt and Road Oil	– –	– –	– –	2,019	–	-108	– –	-554	– –	518	1,946	4,385
Still Gas	– –	– –	– –	10,786	– –	– –	– –	– –	– –	– –	10,786	– –
Miscellaneous Products	– –	– –	– –	1,584	–	-7	– –	-324	– –	34	1,867	504
Total	**410,812**	**0**	**5,307**	**233,866**	**60,185**	**-21,289**	**5,310**	**27,595**	**215,228**	**265,663**	**185,704**	**1010674**

– – = 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-September 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]	**2,536,278**	**72,155**	**– –**	**– –**	**371,329**	**342,518**	**72,716**	**-26,141**	**2,357,821**	**1,063,316**	**0**	**588,775**
Hydrocarbon Gas Liquids	**1,059,806**	**-38,343**	**-142**	**123,995**	**9**	**264,404**	**– –**	**47,723**	**107,320**	**564,410**	**690,276**	**186,779**
Natural Gas Liquids	1,059,806	-38,343	-142	71,978	9	259,840	– –	48,139	107,320	564,410	633,279	185,953
Ethane	467,616	– –	– –	1,462	–	154,866	– –	4,170	– –	95,480	524,294	49,625
Propane	313,816	– –	– –	42,233	–	87,037	– –	17,074	– –	365,117	60,895	59,886
Normal Butane	80,143	– –	–	30,254	9	39,290	– –	23,385	27,789	101,351	-2,828	50,091
Isobutane	85,024	– –	–	-1,971	–	7,824	– –	457	38,570	932	50,918	9,767
Natural Gasoline	113,207	-38,343	-142	– –	–	-29,177	– –	3,053	40,961	1,531	0	16,584
Refinery Olefins	– –	– –	– –	52,017	–	4,564	– –	-416	– –	– –	56,997	826
Ethylene	– –	– –	– –	34	–	–	– –	0	– –	– –	34	–
Propylene	– –	– –	– –	54,004	–	4,564	– –	-159	– –	– –	58,727	646
Normal Butylene	– –	– –	– –	-2,021	–	–	– –	-257	– –	– –	-1,764	180
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-33,812**	**41,049**	**– –**	**130,401**	**-531,911**	**18,535**	**6,273**	**-498,868**	**87,569**	**29,288**	**133,592**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	41,049	– –	2,561	44,068	34,094	-278	78,138	14,502	29,410	5,776
Hydrogen	– –	– –	– –	– –	–	– –	34,482	– –	34,482	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	41,049	– –	2,546	44,068	-373	-278	43,656	14,502	29,410	5,776
Fuel Ethanol	– –	– –	6,308	– –	–	47,544	-373	-725	41,090	13,113	0	3,762
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	34,742	– –	2,546	-3,476	– –	447	2,566	1,389	29,410	2,014
Other Hydrocarbons	– –	– –	– –	– –	15	–	-15	–	–	–	0	–
Unfinished Oils	– –	-33,812	– –	– –	114,563	4,985	– –	1,074	28,360	56,302	0	48,718
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	13,277	-580,964	-15,559	5,483	-605,494	16,765	0	79,071
Reformulated	– –	– –	–	– –	292	-107,558	40,459	1,036	-68,091	248	0	10,022
Conventional	– –	– –	–	– –	12,985	-473,406	-56,018	4,447	-537,403	16,517	0	69,049
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	-6	128	–	-122	27
Finished Petroleum Products	**– –**	**– –**	**42**	**2,002,254**	**33,926**	**-402,987**	**15,932**	**3,563**	**– –**	**692,769**	**952,835**	**101,529**
Finished Motor Gasoline	– –	– –	0	598,005	811	-20,728	15,932	-1,951	– –	204,541	391,430	5,817
Reformulated	– –	– –	–	128,344	–	–	-31,093	–	– –	–	97,251	–
Conventional	– –	– –	0	469,661	811	-20,728	47,025	-1,951	– –	204,541	294,179	5,817
Finished Aviation Gasoline	– –	– –	– –	2,366	–	-995	– –	-34	– –	–	1,405	517
Kerosene-Type Jet Fuel	– –	– –	–	239,687	25	-145,481	– –	4,474	– –	37,342	52,415	14,069
Kerosene	– –	– –	–	1,611	–	-770	– –	318	– –	947	-424	727
Distillate Fuel Oil	– –	– –	42	777,613	886	-242,359	– –	6,019	– –	265,269	264,894	44,578
15 ppm sulfur and under	– –	– –	42	731,225	886	-239,120	– –	5,536	– –	227,331	260,166	38,248
Greater than 15 to 500 ppm sulfur	– –	– –	0	25,599	–	-955	– –	4	– –	24,426	214	1,135
Greater than 500 ppm sulfur	– –	– –	–	20,789	–	-2,284	– –	479	– –	13,511	4,515	5,195
Residual Fuel Oil	– –	– –	– –	34,011	14,113	5,557	– –	-2,682	– –	28,598	27,765	15,958
Less than 0.31 percent sulfur	– –	– –	– –	7,061	445	464	– –	-742	– –	NA	NA	799
0.31 to 1.00 percent sulfur	– –	– –	– –	8,947	2,544	2,197	– –	-423	– –	NA	NA	3,804
Greater than 1.00 percent sulfur	– –	– –	– –	18,003	11,124	2,896	– –	-1,517	– –	NA	NA	11,355
Petrochemical Feedstocks	– –	– –	– –	51,684	2,802	335	– –	322	– –	7,818	46,681	2,182
Naphtha for Petro. Feed. Use	– –	– –	– –	30,628	1,902	139	– –	103	– –	–	32,566	1,493
Other Oils for Petro. Feed. Use	– –	– –	– –	21,056	900	196	– –	219	– –	7,818	14,115	689
Special Naphthas	– –	– –	– –	7,630	4,365	-188	– –	94	– –	–	11,713	860
Lubricants	– –	– –	– –	32,824	8,711	-5,264	– –	-1,490	– –	24,192	13,569	8,568
Waxes	– –	– –	– –	1,007	93	–	– –	-91	– –	186	1,005	242
Petroleum Coke	– –	– –	– –	125,789	2,120	7,753	– –	228	– –	119,813	15,621	3,122
Marketable	– –	– –	– –	98,560	2,120	7,753	– –	228	– –	119,813	-11,608	3,122
Catalyst	– –	– –	– –	27,229	– –	– –	– –	– –	– –	– –	27,229	– –
Asphalt and Road Oil	– –	– –	– –	19,085	–	-774	– –	-1,545	– –	3,560	16,296	4,385
Still Gas	– –	– –	– –	96,399	– –	– –	– –	– –	– –	– –	96,399	– –
Miscellaneous Products	– –	– –	– –	14,543	–	-72	– –	-99	– –	504	14,066	504
Total	**3,596,084**	**0**	**40,949**	**2,126,249**	**535,665**	**-327,976**	**107,183**	**31,418**	**1,966,273**	**2,408,064**	**1,672,399**	**1010674**

– – = 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, September 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]	**9,543**	**387**	**– –**	**– –**	**1,484**	**1,548**	**39**	**224**	**8,787**	**3,991**	**0**
Hydrocarbon Gas Liquids	**4,151**	**-189**	**0**	**423**	**–**	**1,054**	**– –**	**375**	**446**	**2,182**	**2,435**
Natural Gas Liquids	4,151	-189	0	243	–	1,035	– –	377	446	2,182	2,234
Ethane	1,808	– –	– –	6	–	636	– –	251	– –	364	1,835
Propane	1,214	– –	– –	151	–	321	– –	121	– –	1,374	191
Normal Butane	338	– –	–	98	–	142	– –	-13	141	442	7
Isobutane	314	– –	–	-12	–	21	– –	-8	131	0	201
Natural Gasoline	476	-189	0	– –	–	-85	– –	26	174	2	0
Refinery Olefins	– –	– –	– –	180	–	19	– –	-2	– –	– –	201
Ethylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	– –	192	–	19	– –	1	– –	– –	211
Normal Butylene	– –	– –	– –	-12	–	–	– –	-2	– –	– –	-10
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-198**	**177**	**– –**	**401**	**-1,936**	**168**	**184**	**-2,059**	**352**	**135**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	177	– –	13	142	150	-3	299	50	135
Hydrogen	– –	– –	– –	– –	–	– –	138	– –	138	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	177	– –	13	142	12	-3	161	50	135
Fuel Ethanol	– –	– –	25	– –	–	157	12	-8	152	49	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	153	– –	13	-16	– –	5	9	1	135
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-198	– –	– –	348	10	– –	81	-170	248	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	39	-2,088	19	105	-2,189	53	0
Reformulated	– –	– –	–	– –	–	-310	196	26	-139	0	0
Conventional	– –	– –	–	– –	39	-1,778	-178	79	-2,049	53	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	0	1	–	-1
Finished Petroleum Products	**– –**	**– –**	**0**	**7,372**	**122**	**-1,376**	**-30**	**137**	**– –**	**2,331**	**3,621**
Finished Motor Gasoline	– –	– –	0	2,231	7	-55	-30	14	– –	736	1,401
Reformulated	– –	– –	–	482	–	–	-150	–	– –	–	331
Conventional	– –	– –	0	1,749	7	-55	120	14	– –	736	1,070
Finished Aviation Gasoline	– –	– –	– –	10	–	-4	– –	2	– –	–	4
Kerosene-Type Jet Fuel	– –	– –	–	905	–	-529	– –	38	– –	110	228
Kerosene	– –	– –	–	5	–	-6	– –	-2	– –	1	0
Distillate Fuel Oil	– –	– –	0	2,825	–	-810	– –	83	– –	930	1,002
15 ppm sulfur and under	– –	– –	0	2,661	–	-799	– –	79	– –	790	993
Greater than 15 to 500 ppm sulfur	– –	– –	0	85	–	-5	– –	5	– –	73	3
Greater than 500 ppm sulfur	– –	– –	–	79	–	-7	– –	-1	– –	67	6
Residual Fuel Oil	– –	– –	– –	119	62	8	– –	21	– –	79	89
Less than 0.31 percent sulfur	– –	– –	– –	27	13	–	– –	-5	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	31	26	5	– –	7	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	62	23	3	– –	18	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	175	3	3	– –	-2	– –	37	146
Naphtha for Petro. Feed. Use	– –	– –	– –	125	1	1	– –	-2	– –	–	130
Other Oils for Petro. Feed. Use	– –	– –	– –	49	2	2	– –	0	– –	37	16
Special Naphthas	– –	– –	– –	28	17	-1	– –	2	– –	–	43
Lubricants	– –	– –	– –	119	26	-12	– –	-7	– –	99	41
Waxes	– –	– –	– –	3	0	–	– –	-1	– –	1	4
Petroleum Coke	– –	– –	– –	473	7	33	– –	17	– –	320	176
Marketable	– –	– –	– –	372	7	33	– –	17	– –	320	75
Catalyst	– –	– –	– –	102	– –	– –	– –	– –	– –	– –	102
Asphalt and Road Oil	– –	– –	– –	67	–	-4	– –	-18	– –	17	65
Still Gas	– –	– –	– –	360	– –	– –	– –	– –	– –	– –	360
Miscellaneous Products	– –	– –	– –	53	–	0	– –	-11	– –	1	62
Total	**13,694**	**0**	**177**	**7,796**	**2,006**	**-710**	**177**	**920**	**7,174**	**8,855**	**6,190**

– – = 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-September 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]	**9,290**	**264**	**– –**	**– –**	**1,360**	**1,255**	**266**	**-96**	**8,637**	**3,895**	**0**
Hydrocarbon Gas Liquids	**3,882**	**-140**	**-1**	**454**	**0**	**969**	**– –**	**175**	**393**	**2,067**	**2,528**
Natural Gas Liquids	3,882	-140	-1	264	0	952	– –	176	393	2,067	2,320
Ethane	1,713	– –	– –	5	–	567	– –	15	– –	350	1,920
Propane	1,150	– –	– –	155	–	319	– –	63	– –	1,337	223
Normal Butane	294	– –	–	111	0	144	– –	86	102	371	-10
Isobutane	311	– –	–	-7	–	29	– –	2	141	3	187
Natural Gasoline	415	-140	-1	– –	–	-107	– –	11	150	6	0
Refinery Olefins	– –	– –	– –	191	–	17	– –	-2	– –	– –	209
Ethylene	– –	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	– –	198	–	17	– –	-1	– –	– –	215
Normal Butylene	– –	– –	– –	-7	–	–	– –	-1	– –	– –	-6
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-124**	**150**	**– –**	**478**	**-1,948**	**68**	**23**	**-1,827**	**321**	**107**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	150	– –	9	161	125	-1	286	53	108
Hydrogen	– –	– –	– –	– –	–	– –	126	– –	126	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	150	– –	9	161	-1	-1	160	53	108
Fuel Ethanol	– –	– –	23	– –	–	174	-1	-3	151	48	0
Biofuels (excluding Fuel Ethanol)[7]	– –	– –	127	– –	9	-13	– –	2	9	5	108
Other Hydrocarbons	– –	– –	– –	– –	0	–	0	–	–	–	0
Unfinished Oils	– –	-124	– –	– –	420	18	– –	4	104	206	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	49	-2,128	-57	20	-2,218	61	0
Reformulated	– –	– –	–	– –	1	-394	148	4	-249	1	0
Conventional	– –	– –	–	– –	48	-1,734	-205	16	-1,969	61	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	0	0	–	0
Finished Petroleum Products	**– –**	**– –**	**0**	**7,334**	**124**	**-1,476**	**58**	**13**	**– –**	**2,538**	**3,490**
Finished Motor Gasoline	– –	– –	0	2,190	3	-76	58	-7	– –	749	1,434
Reformulated	– –	– –	–	470	–	–	-114	–	– –	–	356
Conventional	– –	– –	0	1,720	3	-76	172	-7	– –	749	1,078
Finished Aviation Gasoline	– –	– –	– –	9	–	-4	– –	0	– –	–	5
Kerosene-Type Jet Fuel	– –	– –	–	878	0	-533	– –	16	– –	137	192
Kerosene	– –	– –	–	6	–	-3	– –	1	– –	3	-2
Distillate Fuel Oil	– –	– –	0	2,848	3	-888	– –	22	– –	972	970
15 ppm sulfur and under	– –	– –	0	2,678	3	-876	– –	20	– –	833	953
Greater than 15 to 500 ppm sulfur	– –	– –	0	94	–	-3	– –	0	– –	89	1
Greater than 500 ppm sulfur	– –	– –	–	76	–	-8	– –	2	– –	49	17
Residual Fuel Oil	– –	– –	– –	125	52	20	– –	-10	– –	105	102
Less than 0.31 percent sulfur	– –	– –	– –	26	2	2	– –	-3	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	33	9	8	– –	-2	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	66	41	11	– –	-6	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	189	10	1	– –	1	– –	29	171
Naphtha for Petro. Feed. Use	– –	– –	– –	112	7	1	– –	0	– –	–	119
Other Oils for Petro. Feed. Use	– –	– –	– –	77	3	1	– –	1	– –	29	52
Special Naphthas	– –	– –	– –	28	16	-1	– –	0	– –	–	43
Lubricants	– –	– –	– –	120	32	-19	– –	-5	– –	89	50
Waxes	– –	– –	– –	4	0	–	– –	0	– –	1	4
Petroleum Coke	– –	– –	– –	461	8	28	– –	1	– –	439	57
Marketable	– –	– –	– –	361	8	28	– –	1	– –	439	-43
Catalyst	– –	– –	– –	100	– –	– –	– –	– –	– –	– –	100
Asphalt and Road Oil	– –	– –	– –	70	–	-3	– –	-6	– –	13	60
Still Gas	– –	– –	– –	353	– –	– –	– –	– –	– –	– –	353
Miscellaneous Products	– –	– –	– –	53	–	0	– –	0	– –	2	52
Total	**13,172**	**0**	**150**	**7,788**	**1,962**	**-1,201**	**393**	**115**	**7,202**	**8,821**	**6,126**

– – = 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, September 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	**28,897**	**693**	**– –**	**– –**	**12,025**	**-19,440**	**-2,712**	**408**	**19,055**	**–**	**0**	**23,904**
Hydrocarbon Gas Liquids	**17,443**	**-607**	**-9**	**354**	**263**	**-15,983**	**– –**	**193**	**537**	**3**	**728**	**9,536**
Natural Gas Liquids	17,443	-607	-9	213	263	-15,983	– –	160	537	3	620	9,400
Ethane	5,492	– –	– –	–	–	-5,770	– –	149	– –	–	-427	1,412
Propane	5,832	– –	– –	232	257	-5,120	– –	86	– –	2	1,113	3,139
Normal Butane	2,329	– –	–	-30	4	-1,865	– –	22	164	1	252	3,710
Isobutane	1,018	– –	–	11	–	-1,162	– –	2	182	–	-317	419
Natural Gasoline	2,772	-607	-9	– –	2	-2,065	– –	-99	191	0	0	720
Refinery Olefins	– –	– –	– –	141	–	–	– –	33	– –	– –	108	136
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	27	–	–	– –	0	– –	– –	27	3
Normal Butylene	– –	– –	– –	114	–	–	– –	33	– –	– –	81	133
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-86**	**926**	**– –**	**19**	**888**	**759**	**-230**	**1,962**	**132**	**643**	**9,746**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	926	– –	6	479	403	-138	1,248	61	643	563
Hydrogen	– –	– –	– –	– –	–	– –	219	– –	219	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	926	– –	6	479	184	-138	1,029	61	643	563
Fuel Ethanol	– –	– –	392	– –	–	434	184	4	946	60	0	353
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	534	– –	6	45	– –	-143	83	2	643	210
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-86	– –	– –	–	–	– –	-101	-46	61	0	2,892
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	13	409	357	9	760	10	0	6,291
Reformulated	– –	– –	–	– –	–	203	544	461	286	–	–	461
Conventional	– –	– –	–	– –	13	206	-187	-452	474	10	0	5,830
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**-1**	**21,905**	**182**	**-147**	**-540**	**1**	**– –**	**17**	**21,380**	**7,650**
Finished Motor Gasoline	– –	– –	–	11,184	–	-403	-540	-55	– –	1	10,295	873
Reformulated	– –	– –	–	293	–	–	-544	–	– –	–	-251	–
Conventional	– –	– –	–	10,891	–	-403	4	-55	– –	1	10,546	873
Finished Aviation Gasoline	– –	– –	– –	3	–	–	– –	-2	– –	–	5	8
Kerosene-Type Jet Fuel	– –	– –	0	1,110	15	679	– –	-86	– –	–	1,890	808
Kerosene	– –	– –	–	–	–	–	– –	0	– –	–	0	2
Distillate Fuel Oil	– –	– –	-1	6,626	55	232	– –	343	– –	–	6,569	3,733
15 ppm sulfur and under	– –	– –	-1	6,643	55	232	– –	325	– –	–	6,604	3,514
Greater than 15 to 500 ppm sulfur	– –	– –	–	-7	–	–	– –	25	– –	–	-32	163
Greater than 500 ppm sulfur	– –	– –	–	-10	–	–	– –	-7	– –	–	-3	56
Residual Fuel Oil	– –	– –	– –	412	–	–	– –	29	– –	–	383	225
Less than 0.31 percent sulfur	– –	– –	– –	198	–	–	– –	2	– –	NA	NA	23
0.31 to 1.00 percent sulfur	– –	– –	– –	38	–	–	– –	3	– –	NA	NA	8
Greater than 1.00 percent sulfur	– –	– –	– –	176	–	–	– –	24	– –	NA	NA	194
Petrochemical Feedstocks	– –	– –	– –	55	–	–	– –	–	– –	–	55	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	55	–	–	– –	–	– –	–	55	–
Special Naphthas	– –	– –	– –	–	–	–	– –	–	– –	–	–	–
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	14	-14	–
Waxes	– –	– –	– –	–	–	–	– –	–	– –	0	0	–
Petroleum Coke	– –	– –	– –	659	–	-208	– –	2	– –	0	449	127
Marketable	– –	– –	– –	439	–	-208	– –	2	– –	0	229	127
Catalyst	– –	– –	– –	220	– –	– –	– –	– –	– –	– –	220	– –
Asphalt and Road Oil	– –	– –	– –	1,174	112	-447	– –	-227	– –	2	1,064	1,858
Still Gas	– –	– –	– –	623	– –	– –	– –	– –	– –	– –	623	– –
Miscellaneous Products	– –	– –	– –	59	–	–	– –	-3	– –	–	62	16
Total	**46,340**	**0**	**916**	**22,259**	**12,489**	**-34,681**	**-2,493**	**373**	**21,554**	**153**	**22,751**	**50,837**

– – = 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-September 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	**250,559**	**3,722**	**– –**	**– –**	**110,732**	**-190,312**	**-21,907**	**-517**	**153,310**	**–**	**0**	**23,904**
Hydrocarbon Gas Liquids	**145,281**	**-2,511**	**-79**	**3,165**	**4,612**	**-133,163**	**– –**	**3,417**	**4,519**	**67**	**9,301**	**9,536**
Natural Gas Liquids	145,281	-2,511	-79	2,322	4,611	-133,163	– –	3,359	4,519	67	8,515	9,400
Ethane	44,596	– –	– –	–	–	-45,256	– –	376	– –	1	-1,037	1,412
Propane	50,636	– –	– –	1,886	4,493	-44,712	– –	742	– –	18	11,543	3,139
Normal Butane	20,168	– –	–	626	104	-17,755	– –	2,299	1,453	5	-614	3,710
Isobutane	8,939	– –	–	-190	–	-8,662	– –	-6	1,469	–	-1,376	419
Natural Gasoline	20,942	-2,511	-79	– –	14	-16,777	– –	-52	1,597	44	0	720
Refinery Olefins	– –	– –	– –	843	1	–	– –	58	– –	– –	786	136
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	205	1	–	– –	-7	– –	– –	213	3
Normal Butylene	– –	– –	– –	638	–	–	– –	65	– –	– –	573	133
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-1,211**	**7,957**	**– –**	**636**	**11,603**	**3,569**	**40**	**17,435**	**725**	**4,354**	**9,746**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	7,957	– –	100	4,414	2,915	-17	10,545	505	4,354	563
Hydrogen	– –	– –	– –	– –	–	– –	1,819	– –	1,819	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	7,957	– –	100	4,414	1,096	-17	8,726	505	4,354	563
Fuel Ethanol	– –	– –	3,288	– –	–	4,135	1,096	11	8,126	383	0	353
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	4,669	– –	100	279	– –	-28	600	122	4,354	210
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	-1,211	– –	– –	–	–	– –	-103	-1,314	206	0	2,892
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	536	7,189	653	160	8,204	14	0	6,291
Reformulated	– –	– –	–	– –	–	203	544	461	286	–	–	–
Conventional	– –	– –	–	– –	536	6,986	109	-301	7,918	14	0	5,830
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**-7**	**178,681**	**1,549**	**-164**	**-1,750**	**-290**	**– –**	**162**	**178,438**	**7,650**
Finished Motor Gasoline	– –	– –	–	93,321	–	-2,343	-1,750	-413	– –	8	89,634	873
Reformulated	– –	– –	–	293	–	–	-544	0	– –	–	-251	–
Conventional	– –	– –	–	93,028	–	-2,343	-1,205	-413	– –	8	89,885	873
Finished Aviation Gasoline	– –	– –	– –	48	1	–	– –	-1	– –	–	50	8
Kerosene-Type Jet Fuel	– –	– –	0	9,182	264	7,230	– –	53	– –	0	16,623	808
Kerosene	– –	– –	–	1	–	–	– –	0	– –	–	1	2
Distillate Fuel Oil	– –	– –	-7	51,864	545	1,213	– –	39	– –	0	53,576	3,733
15 ppm sulfur and under	– –	– –	-7	51,754	545	1,213	– –	16	– –	0	53,489	3,514
Greater than 15 to 500 ppm sulfur	– –	– –	–	122	–	–	– –	15	– –	–	107	163
Greater than 500 ppm sulfur	– –	– –	–	-12	–	–	– –	8	– –	–	-20	56
Residual Fuel Oil	– –	– –	– –	3,037	15	–	– –	15	– –	–	3,037	225
Less than 0.31 percent sulfur	– –	– –	– –	1,550	11	–	– –	-3	– –	NA	NA	23
0.31 to 1.00 percent sulfur	– –	– –	– –	227	4	–	– –	4	– –	NA	NA	8
Greater than 1.00 percent sulfur	– –	– –	– –	1,260	–	–	– –	14	– –	NA	NA	194
Petrochemical Feedstocks	– –	– –	– –	161	–	–	– –	–	– –	–	161	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	161	–	–	– –	–	– –	–	161	–
Special Naphthas	– –	– –	– –	–	1	–	– –	–	– –	–	1	–
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	136	-136	–
Waxes	– –	– –	– –	–	–	–	– –	–	– –	2	-2	–
Petroleum Coke	– –	– –	– –	6,227	–	-2,730	– –	30	– –	0	3,467	127
Marketable	– –	– –	– –	4,376	–	-2,730	– –	30	– –	0	1,616	127
Catalyst	– –	– –	– –	1,851	– –	– –	– –	– –	– –	– –	1,851	– –
Asphalt and Road Oil	– –	– –	– –	8,474	723	-3,534	– –	-13	– –	15	5,661	1,858
Still Gas	– –	– –	– –	5,597	– –	– –	– –	– –	– –	– –	5,597	– –
Miscellaneous Products	– –	– –	– –	769	–	–	– –	0	– –	0	769	16
Total	**395,840**	**0**	**7,870**	**181,846**	**117,529**	**-312,036**	**-20,088**	**2,649**	**175,264**	**954**	**192,093**	**50,837**

– – = 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, September 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	**963**	**23**	**– –**	**– –**	**401**	**-648**	**-90**	**14**	**635**	**–**	**0**
Hydrocarbon Gas Liquids	**581**	**-20**	**0**	**12**	**9**	**-533**	**– –**	**6**	**18**	**0**	**24**
Natural Gas Liquids	581	-20	0	7	9	-533	– –	5	18	0	21
Ethane	183	– –	– –	–	–	-192	– –	5	– –	–	-14
Propane	194	– –	– –	8	9	-171	– –	3	– –	0	37
Normal Butane	78	– –	–	-1	0	-62	– –	1	5	0	8
Isobutane	34	– –	–	0	–	-39	– –	0	6	–	-11
Natural Gasoline	92	-20	0	– –	0	-69	– –	-3	6	0	0
Refinery Olefins	– –	– –	– –	5	–	–	– –	1	– –	– –	4
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	1	–	–	– –	0	– –	– –	1
Normal Butylene	– –	– –	– –	4	–	–	– –	1	– –	– –	3
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-3**	**31**	**– –**	**1**	**30**	**25**	**-8**	**65**	**4**	**21**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	31	– –	0	16	13	-5	42	2	21
Hydrogen	– –	– –	– –	– –	–	– –	7	– –	7	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	31	– –	0	16	6	-5	34	2	21
Fuel Ethanol	– –	– –	13	– –	–	14	6	0	32	2	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	18	– –	0	1	– –	-5	3	0	21
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-3	– –	– –	–	–	– –	-3	-2	2	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	0	14	12	0	25	0	0
Reformulated	– –	– –	–	– –	–	7	18	15	10	–	–
Conventional	– –	– –	–	– –	0	7	-6	-15	16	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**730**	**6**	**-5**	**-18**	**0**	**– –**	**1**	**713**
Finished Motor Gasoline	– –	– –	–	373	–	-13	-18	-2	– –	0	343
Reformulated	– –	– –	–	10	–	–	-18	–	– –	–	-8
Conventional	– –	– –	–	363	–	-13	0	-2	– –	0	352
Finished Aviation Gasoline	– –	– –	– –	0	–	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	– –	0	37	1	23	– –	-3	– –	–	63
Kerosene	– –	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	– –	0	221	2	8	– –	11	– –	–	219
15 ppm sulfur and under	– –	– –	0	221	2	8	– –	11	– –	–	220
Greater than 15 to 500 ppm sulfur	– –	– –	–	0	–	–	– –	1	– –	–	-1
Greater than 500 ppm sulfur	– –	– –	–	0	–	–	– –	0	– –	–	0
Residual Fuel Oil	– –	– –	– –	14	–	–	– –	1	– –	–	13
Less than 0.31 percent sulfur	– –	– –	– –	7	–	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	1	–	–	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	6	–	–	– –	1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	2	–	–	– –	–	– –	–	2
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	2	–	–	– –	–	– –	–	2
Special Naphthas	– –	– –	– –	–	–	–	– –	–	– –	–	–
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	0	0
Waxes	– –	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	22	–	-7	– –	0	– –	0	15
Marketable	– –	– –	– –	15	–	-7	– –	0	– –	0	8
Catalyst	– –	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	– –	39	4	-15	– –	-8	– –	0	35
Still Gas	– –	– –	– –	21	– –	– –	– –	– –	– –	– –	21
Miscellaneous Products	– –	– –	– –	2	–	–	– –	0	– –	–	2
Total	**1,545**	**0**	**31**	**742**	**416**	**-1,156**	**-83**	**12**	**718**	**5**	**758**

– – = 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-September 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	**918**	**14**	**– –**	**– –**	**406**	**-697**	**-80**	**-2**	**562**	**–**	**0**
Hydrocarbon Gas Liquids	**532**	**-9**	**0**	**12**	**17**	**-488**	**– –**	**13**	**17**	**0**	**34**
Natural Gas Liquids	532	-9	0	9	17	-488	– –	12	17	0	31
Ethane	163	– –	– –	–	–	-166	– –	1	– –	0	-4
Propane	185	– –	– –	7	16	-164	– –	3	– –	0	42
Normal Butane	74	– –	–	2	0	-65	– –	8	5	0	-2
Isobutane	33	– –	–	-1	–	-32	– –	0	5	–	-5
Natural Gasoline	77	-9	0	– –	0	-61	– –	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	**– –**	**-4**	**29**	**– –**	**2**	**43**	**13**	**0**	**64**	**3**	**16**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	29	– –	0	16	11	0	39	2	16
Hydrogen	– –	– –	– –	– –	–	– –	7	– –	7	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	29	– –	0	16	4	0	32	2	16
Fuel Ethanol	– –	– –	12	– –	–	15	4	0	30	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	17	– –	0	1	– –	0	2	0	16
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	-4	– –	– –	–	–	– –	0	-5	1	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	–	– –	2	26	2	1	30	0	0
Reformulated	– –	– –	–	– –	–	1	2	2	1	–	–
Conventional	– –	– –	–	– –	2	26	0	-1	29	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**– –**	**0**	**655**	**6**	**-1**	**-6**	**-1**	**– –**	**1**	**654**
Finished Motor Gasoline	– –	– –	–	342	–	-9	-6	-2	– –	0	328
Reformulated	– –	– –	–	1	–	–	-2	0	– –	–	-1
Conventional	– –	– –	–	341	–	-9	-4	-2	– –	0	329
Finished Aviation Gasoline	– –	– –	– –	0	0	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	– –	0	34	1	26	– –	0	– –	0	61
Kerosene	– –	– –	–	0	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	– –	0	190	2	4	– –	0	– –	0	196
15 ppm sulfur and under	– –	– –	0	190	2	4	– –	0	– –	0	196
Greater than 15 to 500 ppm sulfur	– –	– –	–	0	–	–	– –	0	– –	–	0
Greater than 500 ppm sulfur	– –	– –	–	0	–	–	– –	0	– –	–	0
Residual Fuel Oil	– –	– –	– –	11	0	–	– –	0	– –	–	11
Less than 0.31 percent sulfur	– –	– –	– –	6	0	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	1	0	–	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	5	–	–	– –	0	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	1	–	–	– –	–	– –	–	1
Naphtha for Petro. Feed. Use	– –	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	– –	1	–	–	– –	–	– –	–	1
Special Naphthas	– –	– –	– –	–	0	–	– –	–	– –	–	0
Lubricants	– –	– –	– –	–	–	–	– –	–	– –	0	0
Waxes	– –	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	23	–	-10	– –	0	– –	0	13
Marketable	– –	– –	– –	16	–	-10	– –	0	– –	0	6
Catalyst	– –	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	– –	31	3	-13	– –	0	– –	0	21
Still Gas	– –	– –	– –	21	– –	– –	– –	– –	– –	– –	21
Miscellaneous Products	– –	– –	– –	3	–	–	– –	0	– –	0	3
Total	**1,450**	**0**	**29**	**666**	**431**	**-1,143**	**-74**	**10**	**642**	**3**	**704**

– – = 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, September 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	**21,925**	**2,474**	**– –**	**– –**	**40,975**	**2,960**	**-433**	**-1,912**	**69,813**	**–**	**0**	**43,997**
Hydrocarbon Gas Liquids	**1,539**	**-1,178**	**-6**	**1,645**	**1,438**	**863**	**– –**	**449**	**663**	**1,461**	**1,728**	**6,200**
Natural Gas Liquids	1,539	-1,178	-6	1,534	1,438	863	– –	426	663	1,461	1,640	6,051
Ethane	–	– –	– –	–	–	–	– –	–	– –	–	–	–
Propane	224	-22	– –	924	855	442	– –	210	– –	928	1,285	2,646
Normal Butane	443	-313	–	540	515	347	– –	269	69	528	666	2,992
Isobutane	138	-123	–	70	68	74	– –	-50	585	4	-311	382
Natural Gasoline	734	-720	-6	– –	–	–	– –	-3	9	1	0	31
Refinery Olefins	– –	– –	– –	111	–	–	– –	23	– –	– –	88	149
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	161	–	–	– –	-2	– –	– –	163	11
Normal Butylene	– –	– –	– –	-50	–	–	– –	25	– –	– –	-75	138
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-1,296**	**1,871**	**– –**	**3,215**	**8,832**	**1,863**	**2,352**	**9,394**	**604**	**2,135**	**53,080**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	1,871	– –	770	5,075	1,359	-16	6,668	296	2,127	6,190
Hydrogen	– –	– –	– –	– –	–	– –	1,393	– –	1,393	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	1,871	– –	770	5,075	-34	-16	5,275	296	2,127	6,190
Fuel Ethanol	– –	– –	246	– –	151	4,232	-34	-18	4,442	170	0	2,706
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	1,626	– –	619	843	– –	2	833	127	2,127	3,483
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	1,695	–	– –	-136	385	150	0	19,225
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	742	3,757	504	2,504	2,341	158	0	27,666
Reformulated	– –	– –	0	– –	–	976	1,973	1,250	1,698	1	0	13,131
Conventional	– –	–	0	– –	742	2,781	-1,469	1,254	643	157	0	14,534
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	8	–	– –	–	–	–	8	–
Finished Petroleum Products	**– –**	**– –**	**35**	**83,306**	**3,387**	**2,130**	**-470**	**1,210**	**– –**	**8,417**	**78,761**	**31,653**
Finished Motor Gasoline	– –	– –	33	43,296	1,020	103	-470	67	– –	751	43,164	2,216
Reformulated	– –	– –	–	30,214	–	–	-2,155	6	– –	–	28,053	16
Conventional	– –	– –	33	13,082	1,020	103	1,686	61	– –	751	15,112	2,200
Finished Aviation Gasoline	– –	– –	– –	46	–	–	– –	31	– –	–	15	266
Kerosene-Type Jet Fuel	– –	– –	4	13,618	1,655	238	– –	-88	– –	765	14,838	9,036
Kerosene	– –	– –	–	-2	–	–	– –	-2	– –	127	-127	5
Distillate Fuel Oil	– –	– –	-2	14,711	527	1,111	– –	1,179	– –	2,438	12,730	11,768
15 ppm sulfur and under	– –	– –	-2	13,963	527	1,111	– –	1,217	– –	2,391	11,992	11,035
Greater than 15 to 500 ppm sulfur	– –	– –	–	350	–	–	– –	48	– –	29	273	314
Greater than 500 ppm sulfur	– –	– –	–	398	–	–	– –	-86	– –	18	466	419
Residual Fuel Oil	– –	– –	– –	2,290	46	–	– –	212	– –	1,141	983	4,384
Less than 0.31 percent sulfur	– –	– –	– –	53	–	–	– –	51	– –	NA	NA	806
0.31 to 1.00 percent sulfur	– –	– –	– –	608	46	–	– –	-70	– –	NA	NA	575
Greater than 1.00 percent sulfur	– –	– –	– –	1,629	–	–	– –	231	– –	NA	NA	3,003
Petrochemical Feedstocks	– –	– –	– –	82	28	–	– –	–	– –	50	60	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	28	–	– –	–	– –	–	28	–
Other Oils for Petro. Feed. Use	– –	– –	– –	82	–	–	– –	–	– –	50	32	–
Special Naphthas	– –	– –	– –	14	15	–	– –	-17	– –	–	46	34
Lubricants	– –	– –	– –	419	64	39	– –	90	– –	92	340	964
Waxes	– –	– –	– –	–	1	–	– –	–	– –	3	-2	–
Petroleum Coke	– –	– –	– –	3,898	–	129	– –	-62	– –	3,020	1,069	896
Marketable	– –	– –	– –	2,966	–	129	– –	-62	– –	3,020	137	896
Catalyst	– –	– –	– –	932	– –	– –	– –	– –	– –	– –	932	– –
Asphalt and Road Oil	– –	– –	– –	878	31	509	– –	-206	– –	30	1,595	2,023
Still Gas	– –	– –	– –	3,685	– –	– –	– –	– –	– –	– –	3,685	– –
Miscellaneous Products	– –	– –	– –	371	–	–	– –	6	– –	0	365	60
Total	**23,464**	**0**	**1,900**	**84,951**	**49,015**	**14,785**	**960**	**2,099**	**79,870**	**10,482**	**82,624**	**134,930**

– – = 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-September 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	**202,382**	**15,793**	**– –**	**– –**	**342,839**	**31,162**	**7,991**	**-4,005**	**601,059**	**3,113**	**0**	**43,997**
Hydrocarbon Gas Liquids	**16,936**	**-13,582**	**-38**	**15,517**	**13,613**	**8,367**	**– –**	**2,344**	**6,370**	**15,871**	**16,227**	**6,200**
Natural Gas Liquids	16,936	-13,582	-38	14,062	13,613	8,367	– –	2,212	6,370	15,871	14,904	6,051
Ethane	6	– –	– –	–	–	–	– –	–	– –	1	5	–
Propane	2,049	-212	– –	8,196	8,280	4,261	– –	1,166	– –	8,825	12,583	2,646
Normal Butane	4,781	-3,759	–	4,977	5,038	3,152	– –	959	1,283	6,917	5,030	2,992
Isobutane	1,652	-1,477	–	889	295	954	– –	78	4,930	19	-2,715	382
Natural Gasoline	8,448	-8,134	-38	– –	–	–	– –	9	157	109	0	31
Refinery Olefins	– –	– –	– –	1,455	–	–	– –	132	– –	– –	1,323	149
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	– –	1,679	–	–	– –	-3	– –	– –	1,682	11
Normal Butylene	– –	– –	– –	-224	–	–	– –	135	– –	– –	-359	138
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**-2,211**	**12,972**	**– –**	**33,855**	**84,798**	**-262**	**-1,462**	**105,966**	**5,683**	**18,966**	**53,080**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	12,974	– –	7,992	47,396	12,909	475	59,367	2,472	18,958	6,190
Hydrogen	– –	– –	– –	– –	–	– –	11,825	– –	11,825	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	– –	12,974	– –	7,992	47,396	1,084	475	47,542	2,472	18,958	6,190
Fuel Ethanol	– –	– –	1,337	– –	400	39,462	1,084	139	40,490	1,655	0	2,706
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	11,637	– –	7,592	7,934	– –	336	7,052	816	18,958	3,483
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	15,145	-372	– –	749	10,234	1,579	0	19,225
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	-2	– –	10,710	37,774	-13,171	-2,686	36,365	1,632	0	27,666
Reformulated	– –	– –	0	– –	777	13,603	2,735	-2,222	19,330	7	0	13,131
Conventional	– –	–	-1	– –	9,933	24,171	-15,906	-464	17,035	1,625	0	14,534
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	8	–	– –	–	–	–	8	–
Finished Petroleum Products	**– –**	**– –**	**477**	**741,697**	**39,040**	**17,350**	**12,087**	**-2,981**	**– –**	**79,982**	**733,650**	**31,653**
Finished Motor Gasoline	– –	– –	422	396,283	6,303	828	12,087	14	– –	8,054	407,855	2,216
Reformulated	– –	– –	–	275,343	–	–	-2,393	1	– –	–	272,949	16
Conventional	– –	– –	422	120,940	6,303	828	14,479	13	– –	8,054	134,905	2,200
Finished Aviation Gasoline	– –	– –	– –	208	14	–	– –	-71	– –	–	293	266
Kerosene-Type Jet Fuel	– –	– –	71	118,807	23,143	1,940	– –	107	– –	6,340	137,515	9,036
Kerosene	– –	– –	–	6	–	–	– –	2	– –	129	-125	5
Distillate Fuel Oil	– –	– –	-16	124,761	4,919	9,695	– –	-1,530	– –	26,160	114,729	11,768
15 ppm sulfur and under	– –	– –	-16	118,453	4,915	9,695	– –	-1,339	– –	23,178	111,208	11,035
Greater than 15 to 500 ppm sulfur	– –	– –	–	2,841	–	–	– –	82	– –	635	2,124	314
Greater than 500 ppm sulfur	– –	– –	–	3,467	4	–	– –	-273	– –	2,347	1,397	419
Residual Fuel Oil	– –	– –	– –	20,142	3,035	–	– –	-706	– –	5,406	18,477	4,384
Less than 0.31 percent sulfur	– –	– –	– –	446	858	–	– –	105	– –	NA	NA	806
0.31 to 1.00 percent sulfur	– –	– –	– –	5,797	2,102	–	– –	-279	– –	NA	NA	575
Greater than 1.00 percent sulfur	– –	– –	– –	13,899	75	–	– –	-532	– –	NA	NA	3,003
Petrochemical Feedstocks	– –	– –	– –	731	206	–	– –	–	– –	1,115	-178	–
Naphtha for Petro. Feed. Use	– –	– –	– –	–	206	–	– –	–	– –	–	206	–
Other Oils for Petro. Feed. Use	– –	– –	– –	731	–	–	– –	–	– –	1,115	-384	–
Special Naphthas	– –	– –	– –	224	252	–	– –	2	– –	–	474	34
Lubricants	– –	– –	– –	3,012	330	12	– –	-63	– –	2,070	1,347	964
Waxes	– –	– –	– –	–	113	–	– –	–	– –	38	75	–
Petroleum Coke	– –	– –	– –	34,541	–	441	– –	-368	– –	30,410	4,940	896
Marketable	– –	– –	– –	26,560	–	441	– –	-368	– –	30,410	-3,041	896
Catalyst	– –	– –	– –	7,981	– –	– –	– –	– –	– –	– –	7,981	– –
Asphalt and Road Oil	– –	– –	– –	7,403	725	4,434	– –	-350	– –	258	12,654	2,023
Still Gas	– –	– –	– –	32,118	– –	– –	– –	– –	– –	– –	32,118	– –
Miscellaneous Products	– –	– –	– –	3,461	–	–	– –	-18	– –	1	3,478	60
Total	**219,318**	**0**	**13,411**	**757,214**	**429,347**	**141,677**	**19,816**	**-6,104**	**713,395**	**104,649**	**768,843**	**134,930**

– – = 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, September 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	**731**	**82**	**– –**	**– –**	**1,366**	**99**	**-14**	**-64**	**2,327**	**–**	**0**
Hydrocarbon Gas Liquids	**51**	**-39**	**0**	**55**	**48**	**29**	**– –**	**15**	**22**	**49**	**58**
Natural Gas Liquids	51	-39	0	51	48	29	– –	14	22	49	55
Ethane	–	– –	– –	–	–	–	– –	–	– –	–	–
Propane	7	-1	– –	31	29	15	– –	7	– –	31	43
Normal Butane	15	-10	–	18	17	12	– –	9	2	18	22
Isobutane	5	-4	–	2	2	2	– –	-2	20	0	-10
Natural Gasoline	24	-24	0	– –	–	–	– –	0	0	0	0
Refinery Olefins	– –	– –	– –	4	–	–	– –	1	– –	– –	3
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	5	–	–	– –	0	– –	– –	5
Normal Butylene	– –	– –	– –	-2	–	–	– –	1	– –	– –	-3
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-43**	**62**	**– –**	**107**	**294**	**62**	**78**	**313**	**20**	**71**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	62	– –	26	169	45	-1	222	10	71
Hydrogen	– –	– –	– –	– –	–	– –	46	– –	46	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	62	– –	26	169	-1	-1	176	10	71
Fuel Ethanol	– –	– –	8	– –	5	141	-1	-1	148	6	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	54	– –	21	28	– –	0	28	4	71
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	57	–	– –	-5	13	5	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	25	125	17	83	78	5	0
Reformulated	– –	– –	0	– –	–	33	66	42	57	0	0
Conventional	– –	–	0	– –	25	93	-49	42	21	5	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	0	–	– –	–	–	–	0
Finished Petroleum Products	**– –**	**– –**	**1**	**2,777**	**113**	**71**	**-16**	**40**	**– –**	**281**	**2,625**
Finished Motor Gasoline	– –	– –	1	1,443	34	3	-16	2	– –	25	1,439
Reformulated	– –	– –	–	1,007	–	–	-72	0	– –	–	935
Conventional	– –	– –	1	436	34	3	56	2	– –	25	504
Finished Aviation Gasoline	– –	– –	– –	2	–	–	– –	1	– –	–	1
Kerosene-Type Jet Fuel	– –	– –	0	454	55	8	– –	-3	– –	26	495
Kerosene	– –	– –	–	0	–	–	– –	0	– –	4	-4
Distillate Fuel Oil	– –	– –	0	490	18	37	– –	39	– –	81	424
15 ppm sulfur and under	– –	– –	0	465	18	37	– –	41	– –	80	400
Greater than 15 to 500 ppm sulfur	– –	– –	–	12	–	–	– –	2	– –	1	9
Greater than 500 ppm sulfur	– –	– –	–	13	–	–	– –	-3	– –	1	16
Residual Fuel Oil	– –	– –	– –	76	2	–	– –	7	– –	38	33
Less than 0.31 percent sulfur	– –	– –	– –	2	–	–	– –	2	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	20	2	–	– –	-2	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	54	–	–	– –	8	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	3	1	–	– –	–	– –	2	2
Naphtha for Petro. Feed. Use	– –	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	– –	3	–	–	– –	–	– –	2	1
Special Naphthas	– –	– –	– –	0	1	–	– –	-1	– –	–	2
Lubricants	– –	– –	– –	14	2	1	– –	3	– –	3	11
Waxes	– –	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	130	–	4	– –	-2	– –	101	36
Marketable	– –	– –	– –	99	–	4	– –	-2	– –	101	5
Catalyst	– –	– –	– –	31	– –	– –	– –	– –	– –	– –	31
Asphalt and Road Oil	– –	– –	– –	29	1	17	– –	-7	– –	1	53
Still Gas	– –	– –	– –	123	– –	– –	– –	– –	– –	– –	123
Miscellaneous Products	– –	– –	– –	12	–	–	– –	0	– –	0	12
Total	**782**	**0**	**63**	**2,832**	**1,634**	**493**	**32**	**70**	**2,662**	**349**	**2,754**

– – = 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-September 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	**741**	**58**	**– –**	**– –**	**1,256**	**114**	**29**	**-15**	**2,202**	**11**	**0**
Hydrocarbon Gas Liquids	**62**	**-50**	**0**	**57**	**50**	**31**	**– –**	**9**	**23**	**58**	**59**
Natural Gas Liquids	62	-50	0	52	50	31	– –	8	23	58	55
Ethane	0	– –	– –	–	–	–	– –	–	– –	0	0
Propane	8	-1	– –	30	30	16	– –	4	– –	32	46
Normal Butane	18	-14	–	18	18	12	– –	4	5	25	18
Isobutane	6	-5	–	3	1	3	– –	0	18	0	-10
Natural Gasoline	31	-30	0	– –	–	–	– –	0	1	0	0
Refinery Olefins	– –	– –	– –	5	–	–	– –	0	– –	– –	5
Ethylene	– –	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	– –	6	–	–	– –	0	– –	– –	6
Normal Butylene	– –	– –	– –	-1	–	–	– –	0	– –	– –	-1
Isobutylene	– –	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**-8**	**48**	**– –**	**124**	**311**	**-1**	**-5**	**388**	**21**	**69**
Hydrogen/Biofuels/Other Hydrocarbons	– –	– –	48	– –	29	174	47	2	217	9	69
Hydrogen	– –	– –	– –	– –	–	– –	43	– –	43	– –	0
Biofuels (including Fuel Ethanol)	– –	– –	48	– –	29	174	4	2	174	9	69
Fuel Ethanol	– –	– –	5	– –	1	145	4	1	148	6	0
Biofuels (excluding Fuel Ethanol)[6]	– –	– –	43	– –	28	29	– –	1	26	3	69
Other Hydrocarbons	– –	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	– –	55	-1	– –	3	37	6	0
Motor Gasoline Blend.Comp. (MGBC)	– –	– –	0	– –	39	138	-48	-10	133	6	0
Reformulated	– –	– –	0	– –	3	50	10	-8	71	0	0
Conventional	– –	–	0	– –	36	89	-58	-2	62	6	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	– –	0	–	– –	–	–	–	0
Finished Petroleum Products	**– –**	**– –**	**2**	**2,717**	**143**	**64**	**44**	**-11**	**– –**	**293**	**2,687**
Finished Motor Gasoline	– –	– –	2	1,452	23	3	44	0	– –	30	1,494
Reformulated	– –	– –	–	1,009	–	–	-9	0	– –	–	1,000
Conventional	– –	– –	2	443	23	3	53	0	– –	30	494
Finished Aviation Gasoline	– –	– –	– –	1	0	–	– –	0	– –	–	1
Kerosene-Type Jet Fuel	– –	– –	0	435	85	7	– –	0	– –	23	504
Kerosene	– –	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	– –	0	457	18	36	– –	-6	– –	96	420
15 ppm sulfur and under	– –	– –	0	434	18	36	– –	-5	– –	85	407
Greater than 15 to 500 ppm sulfur	– –	– –	–	10	–	–	– –	0	– –	2	8
Greater than 500 ppm sulfur	– –	– –	–	13	0	–	– –	-1	– –	9	5
Residual Fuel Oil	– –	– –	– –	74	11	–	– –	-3	– –	20	68
Less than 0.31 percent sulfur	– –	– –	– –	2	3	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	– –	21	8	–	– –	-1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	– –	51	0	–	– –	-2	– –	NA	NA
Petrochemical Feedstocks	– –	– –	– –	3	1	–	– –	–	– –	4	-1
Naphtha for Petro. Feed. Use	– –	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	– –	3	–	–	– –	–	– –	4	-1
Special Naphthas	– –	– –	– –	1	1	–	– –	0	– –	–	2
Lubricants	– –	– –	– –	11	1	0	– –	0	– –	8	5
Waxes	– –	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	– –	127	–	2	– –	-1	– –	111	18
Marketable	– –	– –	– –	97	–	2	– –	-1	– –	111	-11
Catalyst	– –	– –	– –	29	– –	– –	– –	– –	– –	– –	29
Asphalt and Road Oil	– –	– –	– –	27	3	16	– –	-1	– –	1	46
Still Gas	– –	– –	– –	118	– –	– –	– –	– –	– –	– –	118
Miscellaneous Products	– –	– –	– –	13	–	–	– –	0	– –	0	13
Total	**803**	**0**	**49**	**2,774**	**1,573**	**519**	**73**	**-22**	**2,613**	**383**	**2,816**

– – = 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, September 2023
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,910	58,066	286,292	28,897	21,925	397,090	13,236
Alaskan	– –	– –	– –	– –	– –	12,462	415
Lower 48 States	– –	– –	– –	– –	– –	384,628	12,821
Transfers to Crude Oil Supply	2,157	4,802	11,622	693	2,474	21,748	725
Imports (PAD District of Entry)	17,487	84,204	44,515	12,025	40,975	199,206	6,640
Commercial	17,487	84,204	44,515	12,025	40,975	199,206	6,640
Strategic Petroleum Reserve (SPR)	–	–	–	–	–	–	–
Net Receipts	816	-30,782	46,446	-19,440	2,960	–	–
Adjustments[1]	-1,498	-1,567	1,172	-2,712	-433	-5,038	-168
Disposition							
Stock Change[2]	635	-4,737	6,716	408	-1,912	1,110	37
Commercial	635	-4,737	5,772	408	-1,912	166	6
SPR	–	–	944	–	–	944	31
Refinery Inputs	20,235	114,468	263,607	19,055	69,813	487,178	16,239
Exports	1	4,993	119,724	–	–	124,717	4,157
Ending Stocks							
Total	7,540	104,523	588,775	23,904	43,997	768,739	– –
Commercial	7,540	104,523	237,501	23,904	43,997	417,465	– –
Refinery	6,133	12,812	46,694	2,577	18,357	86,573	– –
Tank Farms and Pipelines	1,407	91,711	190,807	21,327	24,700	329,952	– –
Cushing, Oklahoma	– –	21,634	– –	– –	– –	21,634	– –
Lease	– –	– –	– –	– –	– –	– –	– –
Alaskan Crude Oil In-Transit by Water	– –	– –	– –	– –	940	940	– –
SPR	–	–	351,274	–	–	351,274	– –
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	– –	– –	– –	– –	– –	45.7	– –
Percent of Total Petroleum Stocks (Percent)	– –	– –	– –	– –	– –	21.5	– –
Days of Total Petroleum Net Imports (Days)	– –	– –	– –	– –	– –	– –	– –
SPR Receipts Detail							
Receipts	–	–	1,184	–	–	1,184	39
Domestic	–	–	1,184	–	–	1,184	39
Imports	–	–	–	–	–	–	–
Imported by SPR	–	–	–	–	–	–	–
Imported for SPR by Others	–	–	–	–	–	–	–
Imports							
PAD District of Entry	17,487	84,204	44,515	12,025	40,975	199,206	6,640
PAD District of Processing	17,833	81,311	50,962	7,238	41,862	199,206	6,640

– – = 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, September 2023
(Thousand Barrels)

PAD District and State	September 2023		January-September 2023	
	Total	Daily Average	Total	Daily Average
PAD District 1	**1,910**	**64**	**18,885**	**69**
Florida	94	3	737	3
New York	22	1	199	1
Pennsylvania	359	12	3,517	13
Virginia	0	0	3	0
West Virginia	1,434	48	14,429	53
PAD District 2	**58,066**	**1,936**	**489,310**	**1,792**
Illinois	562	19	5,149	19
Indiana	126	4	1,150	4
Kansas	2,247	75	20,670	76
Kentucky	204	7	1,427	5
Michigan	392	13	3,447	13
Missouri	5	0	49	0
Nebraska	110	4	1,106	4
North Dakota	39,110	1,304	314,883	1,153
Ohio	2,507	84	22,236	81
Oklahoma	12,713	424	118,401	434
South Dakota	80	3	702	3
Tennessee	10	0	88	0
PAD District 3	**286,292**	**9,543**	**2,536,278**	**9,290**
Alabama	282	9	2,672	10
Arkansas	356	12	3,238	12
Louisiana	2,899	97	26,313	96
Mississippi	1,005	33	9,317	34
New Mexico	54,544	1,818	493,173	1,806
Texas	167,194	5,573	1,493,886	5,472
Federal Offshore PAD District 3	60,011	2,000	507,679	1,860
PAD District 4	**28,897**	**963**	**250,559**	**918**
Colorado	13,766	459	122,110	447
Idaho	4	0	26	0
Montana	1,940	65	17,397	64
Utah	5,041	168	40,214	147
Wyoming	8,146	272	70,811	259
PAD District 5	**21,925**	**731**	**202,382**	**741**
Alaska	12,462	415	116,001	425
South Alaska	240	8	2,295	8
North Slope	12,222	407	113,706	417
Arizona	1	0	5	0
California	9,215	307	84,186	308
Nevada	15	0	158	1
Federal Offshore PAD District 5	232	8	2,032	7
U.S. Total	**397,090**	**13,236**	**3,497,414**	**12,811**

¯ = 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, September 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**	**21,198**	**21,206**	**5,423**	**13,809**	**18,662**	**37,894**
Natural Gas Liquids	8	21,198	21,206	5,423	13,809	18,662	37,894
Ethane	–	8,599	8,599	2,070	3,386	8,256	13,712
Propane	3	7,177	7,180	2,123	5,309	5,414	12,846
Normal Butane	5	2,238	2,243	552	2,262	1,782	4,596
Isobutane	–	947	947	313	698	964	1,975
Natural Gasoline	–	2,237	2,237	365	2,154	2,246	4,765

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	**100,765**	**4,960**	**5,581**	**360**	**12,854**	**124,520**	**17,443**	**1,539**	**202,602**
Natural Gas Liquids	100,765	4,960	5,581	360	12,854	124,520	17,443	1,539	202,602
Ethane	43,829	2,536	2,263	52	5,551	54,231	5,492	–	82,034
Propane	29,526	1,239	1,827	108	3,726	36,426	5,832	224	62,508
Normal Butane	11,114	-2,997	630	51	1,354	10,152	2,329	443	19,763
Isobutane	4,692	3,725	333	38	636	9,424	1,018	138	13,502
Natural Gasoline	11,604	457	528	111	1,587	14,287	2,772	734	24,795

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	**4**	**233**	**237**	**1,039**	**130**	**510**	**1,679**
Natural Gas Liquids	4	233	237	1,039	130	510	1,679
Ethane	–	–	–	33	3	153	189
Propane	1	116	117	616	54	181	851
Normal Butane	3	38	41	140	25	69	234
Isobutane	–	15	15	67	6	30	103
Natural Gasoline	–	64	64	183	42	77	302

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	**192**	**268**	**1,875**	**6**	**1**	**2,342**	**168**	**426**	**4,852**
Natural Gas Liquids	192	268	1,875	6	1	2,342	168	426	4,852
Ethane	63	21	–	–	–	84	4	–	277
Propane	44	45	36	3	–	128	75	92	1,263
Normal Butane	9	34	1,154	1	–	1,198	34	276	1,783
Isobutane	45	12	237	–	–	294	16	32	460
Natural Gasoline	31	156	448	2	1	638	39	26	1,069

– = 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, September 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	**17,336**	**2,899**	**20,235**	**79,556**	**13,233**	**21,679**	**114,468**
Hydrocarbon Gas Liquids	**2,012**	**–**	**2,012**	**2,180**	**214**	**1,395**	**3,789**
Natural Gas Liquids	2,012	–	2,012	2,180	214	1,395	3,789
Normal Butane	1,663	–	1,663	185	111	351	647
Isobutane	57	–	57	1,378	86	405	1,869
Natural Gasoline	292	–	292	617	17	639	1,273
Other Liquids	**79,568**	**5,787**	**85,355**	**5,141**	**3,801**	**3,640**	**12,582**
Hydrogen/Biofuels/Other Hydrocarbons	9,407	790	10,197	5,475	1,503	1,885	8,863
Hydrogen	94	14	108	628	200	188	1,016
Biofuels (including Fuel Ethanol)	9,313	776	10,089	4,842	1,303	1,697	7,842
Fuel Ethanol	9,030	685	9,715	4,687	1,078	1,540	7,305
Biodiesel	268	91	359	155	225	87	467
Renewable Diesel Fuel	15	–	15	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	70	70
Other Hydrocarbons	–	–	–	5	–	–	5
Unfinished Oils (net)	2,018	-140	1,878	-1,160	74	364	-722
Naphthas and Lighter	509	-73	436	-327	-34	205	-156
Kerosene and Light Gas Oils	195	–	195	-126	-4	12	-118
Heavy Gas Oils	316	-72	244	-722	112	70	-540
Residuum	998	5	1,003	15	–	77	92
Motor Gasoline Blend.Comp. (MGBC)(net)	68,143	5,137	73,280	826	2,224	1,391	4,441
Reformulated - RBOB	12,515	–	12,515	-346	1,263	618	1,535
Conventional	55,628	5,137	60,765	1,172	961	773	2,906
CBOB	45,875	5,157	51,032	1,617	882	749	3,248
GTAB	1,998	–	1,998	–	–	–	–
Other	7,755	-20	7,735	-445	79	24	-342
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**98,916**	**8,686**	**107,602**	**86,877**	**17,248**	**26,714**	**130,839**

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 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	**18,701**	**144,750**	**89,611**	**7,984**	**2,561**	**263,607**	**19,055**	**69,813**	**487,178**
Hydrocarbon Gas Liquids	**669**	**7,872**	**4,626**	**127**	**96**	**13,390**	**537**	**663**	**20,391**
Natural Gas Liquids	669	7,872	4,626	127	96	13,390	537	663	20,391
Normal Butane	324	2,112	1,724	78	3	4,241	164	69	6,784
Isobutane	304	2,004	1,494	43	93	3,938	182	585	6,631
Natural Gasoline	41	3,756	1,408	6	–	5,211	191	9	6,976
Other Liquids	**11,239**	**-47,271**	**-32,502**	**6,759**	**6**	**-61,769**	**1,962**	**9,394**	**47,524**
Hydrogen/Biofuels/Other Hydrocarbons	2,257	3,395	2,021	1,088	208	8,969	1,248	6,668	35,945
Hydrogen	103	2,417	1,498	84	36	4,138	219	1,393	6,874
Biofuels (including Fuel Ethanol)	2,154	978	523	1,004	172	4,831	1,029	5,275	29,066
Fuel Ethanol	2,087	878	478	987	143	4,573	946	4,442	26,981
Biodiesel	67	69	35	17	13	201	55	355	1,437
Renewable Diesel Fuel	–	–	–	–	–	–	–	478	493
Other Biofuels[1]	–	31	10	–	16	57	28	–	155
Other Hydrocarbons	–	–	–	–	–	–	–	–	5
Unfinished Oils (net)	-211	-8,826	4,229	-132	-149	-5,089	-46	385	-3,594
Naphthas and Lighter	-54	-8,127	-28	-22	-134	-8,365	65	407	-7,613
Kerosene and Light Gas Oils	153	-1,781	-1,600	-18	8	-3,238	10	-868	-4,019
Heavy Gas Oils	-84	-1,787	6,240	-19	-23	4,327	-39	596	4,588
Residuum	-226	2,869	-383	-73	–	2,187	-82	250	3,450
Motor Gasoline Blend.Comp. (MGBC)(net)	9,184	-41,840	-38,758	5,803	-53	-65,664	760	2,341	15,158
Reformulated - RBOB	6,157	-7,983	-1,951	6	-411	-4,182	286	1,698	11,852
Conventional	3,027	-33,857	-36,807	5,797	358	-61,482	474	643	3,306
CBOB	3,175	-29,290	-34,424	5,850	300	-54,389	492	738	1,121
GTAB	–	–	–	–	–	–	–	–	1,998
Other	-148	-4,567	-2,383	-53	58	-7,093	-18	-95	187
Aviation Gasoline Blend. Comp. (net)	9	–	6	–	–	15	–	–	15
Total Input	**30,609**	**105,351**	**61,735**	**14,870**	**2,663**	**215,228**	**21,554**	**79,870**	**555,093**

– – = 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, September 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	411	26	437	2,609	98	551	3,258
Natural Gas Liquids	101	26	127	1,592	-26	401	1,967
Ethane	–	–	–	–	–	–	–
Propane	369	24	393	1,559	194	396	2,149
Normal Butane	-210	19	-191	269	-145	82	206
Isobutane	-58	-17	-75	-236	-75	-77	-388
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	310	–	310	1,017	124	150	1,291
Ethylene	13	–	13	–	–	–	–
Propylene	279	–	279	881	124	118	1,123
Normal Butylene	1	–	1	136	–	32	168
Isobutylene	17	–	17	–	–	–	–
Finished Motor Gasoline	88,340	6,832	95,172	48,679	10,104	15,370	74,153
Reformulated	34,947	33	34,980	7,848	1,415	687	9,950
Reformulated Blended with Fuel Ethanol	34,943	33	34,976	7,848	1,414	687	9,949
Reformulated Other	4	–	4	–	1	–	1
Conventional	53,393	6,799	60,192	40,831	8,689	14,683	64,203
Conventional Blended with Fuel Ethanol	54,118	6,804	60,922	38,304	8,840	13,623	60,767
Ed55 and Lower	54,034	6,804	60,838	38,279	8,792	13,478	60,549
Greater than Ed55	84	–	84	25	48	145	218
Conventional Other	-725	-5	-730	2,527	-151	1,060	3,436
Finished Aviation Gasoline	–	–	–	–	1	–	1
Kerosene-Type Jet Fuel	2,235	–	2,235	6,863	816	707	8,386
Kerosene	-13	2	-11	121	–	-16	105
Distillate Fuel Oil	6,183	808	6,991	21,642	4,221	8,774	34,637
15 ppm sulfur and under	6,335	804	7,139	21,695	4,246	8,844	34,785
Greater than 15 ppm to 500 ppm sulfur	15	–	15	–	–	37	37
Greater than 500 ppm sulfur	-167	4	-163	-53	-25	-107	-185
Residual Fuel Oil	646	3	649	717	113	140	970
Less than 0.31 percent sulfur	-8	2	-6	81	–	–	81
0.31 to 1.00 percent sulfur	552	1	553	222	67	26	315
Greater than 1.00 percent sulfur	102	–	102	414	46	114	574
Petrochemical Feedstocks	–	17	17	843	–	–	843
Naphtha for Petro. Feed. Use	–	–	–	498	–	–	498
Other Oils for Petro. Feed. Use	–	17	17	345	–	–	345
Special Naphthas	–	18	18	-40	–	12	-28
Lubricants	185	172	357	–	–	121	121
Waxes	–	-20	-20	–	–	25	25
Petroleum Coke	614	19	633	4,141	566	808	5,515
Marketable	236	–	236	3,040	412	587	4,039
Catalyst	378	19	397	1,101	154	221	1,476
Asphalt and Road Oil	422	712	1,134	2,928	1,661	374	4,963
Still Gas	742	52	794	2,966	470	822	4,258
Miscellaneous Products	50	7	57	341	65	54	460
Total	**99,815**	**8,648**	**108,463**	**91,810**	**18,115**	**27,742**	**137,667**
Processing Gain(-) or Loss(+)[1]	-899	38	-861	-4,933	-867	-1,028	-6,828

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, September 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	830	7,084	4,707	48	28	12,697	354	1,645	18,391
Natural Gas Liquids	512	4,347	2,387	18	28	7,292	213	1,534	11,133
Ethane	6	124	36	–	–	166	–	–	166
Propane	265	2,438	1,784	14	25	4,526	232	924	8,224
Normal Butane	251	2,246	443	4	3	2,947	-30	540	3,472
Isobutane	-10	-461	124	–	–	-347	11	70	-729
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	318	2,737	2,320	30	–	5,405	141	111	7,258
Ethylene	–	4	–	–	–	4	–	–	17
Propylene	324	3,077	2,340	30	–	5,771	27	161	7,361
Normal Butylene	-6	-344	-20	–	–	-370	114	-50	-137
Isobutylene	–	–	–	–	–	–	–	–	17
Finished Motor Gasoline	21,130	25,884	9,149	9,281	1,475	66,919	11,184	43,296	290,724
Reformulated	7,389	7,067	–	–	–	14,456	293	30,214	89,893
Reformulated Blended with Fuel Ethanol	7,386	7,066	–	–	–	14,452	293	30,214	89,884
Reformulated Other	3	1	–	–	–	4	–	–	9
Conventional	13,741	18,817	9,149	9,281	1,475	52,463	10,891	13,082	200,831
Conventional Blended with Fuel Ethanol	13,295	1,512	4,759	9,703	1,448	30,717	8,916	13,718	175,040
Ed55 and Lower	13,289	1,511	4,759	9,682	1,447	30,688	8,886	13,698	174,659
Greater than Ed55	6	1	–	21	1	29	30	20	381
Conventional Other	446	17,305	4,390	-422	27	21,746	1,975	-636	25,791
Finished Aviation Gasoline	99	54	160	–	–	313	3	46	363
Kerosene-Type Jet Fuel	1,507	14,903	10,591	140	0	27,141	1,110	13,618	52,490
Kerosene	-17	141	0	12	–	136	–	-2	228
Distillate Fuel Oil	5,842	45,954	29,003	2,902	1,037	84,738	6,626	14,711	147,703
15 ppm sulfur and under	5,861	44,842	25,314	2,782	1,037	79,836	6,643	13,963	142,366
Greater than 15 ppm to 500 ppm sulfur	-19	269	2,253	36	–	2,539	-7	350	2,934
Greater than 500 ppm sulfur	–	843	1,436	84	–	2,363	-10	398	2,403
Residual Fuel Oil	272	1,609	1,732	-25	-7	3,581	412	2,290	7,902
Less than 0.31 percent sulfur	248	–	563	–	–	811	198	53	1,137
0.31 to 1.00 percent sulfur	-2	722	226	-25	–	921	38	608	2,435
Greater than 1.00 percent sulfur	26	887	943	–	-7	1,849	176	1,629	4,330
Petrochemical Feedstocks	113	2,821	2,262	–	49	5,245	55	82	6,242
Naphtha for Petro. Feed. Use	103	2,226	1,434	–	–	3,763	–	–	4,261
Other Oils for Petro. Feed. Use	10	595	828	–	49	1,482	55	82	1,981
Special Naphthas	85	555	–	199	–	839	–	14	843
Lubricants	15	1,138	1,583	838	–	3,574	–	419	4,471
Waxes	–	19	57	19	–	95	–	–	100
Petroleum Coke	430	8,569	5,015	164	21	14,199	659	3,898	24,904
Marketable	208	6,933	3,866	147	–	11,154	439	2,966	18,834
Catalyst	222	1,636	1,149	17	21	3,045	220	932	6,070
Asphalt and Road Oil	179	393	343	1,058	46	2,019	1,174	878	10,168
Still Gas	660	6,048	3,672	334	72	10,786	623	3,685	20,146
Miscellaneous Products	132	972	453	18	9	1,584	59	371	2,531
Total	**31,277**	**116,144**	**68,727**	**14,988**	**2,730**	**233,866**	**22,259**	**84,951**	**587,206**
Processing Gain(-) or Loss(+)[1]	-668	-10,793	-6,992	-118	-67	-18,638	-705	-5,081	-32,113

– = 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, September 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	**17,336**	**2,899**	**20,235**	**79,556**	**13,233**	**21,679**	**114,468**
Hydrocarbon Gas Liquids	**244**	**–**	**244**	**2,163**	**86**	**877**	**3,126**
Natural Gas Liquids	244	–	244	2,163	86	877	3,126
Normal Butane	187	–	187	168	–	4	172
Isobutane	57	–	57	1,378	86	405	1,869
Natural Gasoline	–	–	–	617	–	468	1,085
Other Liquids	**-6,637**	**-19**	**-6,656**	**-38,679**	**-4,403**	**-8,647**	**-51,729**
Hydrogen/Biofuels/Other Hydrocarbons	158	154	312	857	440	426	1,723
Hydrogen	94	14	108	628	200	188	1,016
Biofuels (including Fuel Ethanol)	64	140	204	224	240	238	702
Fuel Ethanol	64	107	171	186	172	146	504
Biodiesel	–	33	33	38	68	22	128
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	70	70
Other Hydrocarbons	–	–	–	5	–	–	5
Unfinished Oils (net)	2,018	-140	1,878	-1,160	74	364	-722
Naphthas and Lighter	509	-73	436	-327	-34	205	-156
Kerosene and Light Gas Oils	195	–	195	-126	-4	12	-118
Heavy Gas Oils	316	-72	244	-722	112	70	-540
Residuum	998	5	1,003	15	–	77	92
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,813	-33	-8,846	-38,376	-4,917	-9,437	-52,730
Reformulated - RBOB	-6,090	–	-6,090	-7,040	–	–	-7,040
Conventional	-2,723	-33	-2,756	-31,336	-4,917	-9,437	-45,690
CBOB	-2,151	-13	-2,164	-30,876	-4,844	-9,461	-45,181
GTAB	–	–	–	–	–	–	–
Other	-572	-20	-592	-460	-73	24	-509
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**10,943**	**2,880**	**13,823**	**43,040**	**8,916**	**13,909**	**65,865**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	634	97	730	2,651	454	726	3,832
Operable Capacity (daily average)	780	98	878	2,731	549	928	4,208
Operable Utilization Rate (percent)[2]	81.3	98.4	83.2	97.1	82.8	78.2	91.1
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	120	16	136	482	57	147	687
Catalytic Cracking	221	16	237	806	134	188	1,128
Catalytic Hydrocracking	32	–	32	196	42	41	280
Delayed and Fluid Coking	39	–	39	342	42	62	446
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.93	1.78	1.04	1.55	1.69	0.66	1.40
API Gravity, Weighted Average (degrees)	33.18	31.92	33.01	33.72	28.74	38.50	34.00
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, September 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	**18,701**	**144,750**	**89,611**	**7,984**	**2,561**	**263,607**	**19,055**	**69,813**	**487,178**
Hydrocarbon Gas Liquids	**609**	**4,086**	**4,389**	**52**	**93**	**9,229**	**460**	**623**	**13,682**
Natural Gas Liquids	609	4,086	4,389	52	93	9,229	460	623	13,682
Normal Butane	275	1,184	1,487	8	–	2,954	126	29	3,468
Isobutane	304	2,004	1,494	43	93	3,938	180	585	6,629
Natural Gasoline	30	898	1,408	1	–	2,337	154	9	3,585
Other Liquids	**-7,424**	**-55,733**	**-35,157**	**-1,818**	**-1,304**	**-101,436**	**-4,339**	**-31,900**	**-196,060**
Hydrogen/Biofuels/Other Hydrocarbons	340	2,490	1,732	142	68	4,772	565	1,882	9,254
Hydrogen	103	2,417	1,498	84	36	4,138	219	1,393	6,874
Biofuels (including Fuel Ethanol)	237	73	234	58	32	634	346	489	2,375
Fuel Ethanol	194	42	189	58	7	490	282	132	1,579
Biodiesel	43	–	35	–	9	87	36	15	299
Renewable Diesel Fuel	–	–	–	–	–	–	–	342	342
Other Biofuels[1]	–	31	10	–	16	57	28	–	155
Other Hydrocarbons	–	–	–	–	–	–	–	–	5
Unfinished Oils (net)	-211	-8,826	4,229	-132	-149	-5,089	-46	385	-3,594
Naphthas and Lighter	-54	-8,127	-28	-22	-134	-8,365	65	407	-7,613
Kerosene and Light Gas Oils	153	-1,781	-1,600	-18	8	-3,238	10	-868	-4,019
Heavy Gas Oils	-84	-1,787	6,240	-19	-23	4,327	-39	596	4,588
Residuum	-226	2,869	-383	-73	–	2,187	-82	250	3,450
Motor Gasoline Blend.Comp. (MGBC)(net)	-7,562	-49,397	-41,124	-1,828	-1,223	-101,134	-4,858	-34,167	-201,735
Reformulated - RBOB	-524	-12,727	-1,951	–	-411	-15,613	–	-24,815	-53,558
Conventional	-7,038	-36,670	-39,173	-1,828	-812	-85,521	-4,858	-9,352	-148,177
CBOB	-6,890	-28,091	-36,078	-1,775	-816	-73,650	-4,839	-9,012	-134,846
GTAB	–	–	–	–	–	–	–	–	–
Other	-148	-8,579	-3,095	-53	4	-11,871	-19	-340	-13,331
Aviation Gasoline Blend. Comp. (net)	9	–	6	–	–	15	–	–	15
Total Input to Refineries	**11,886**	**93,103**	**58,843**	**6,218**	**1,350**	**171,400**	**15,176**	**38,536**	**304,800**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	645	4,985	3,086	232	85	9,033	630	2,487	16,713
Operable Capacity (daily average)	744	5,472	3,330	260	110	9,917	650	2,620	18,272
Operable Utilization Rate (percent)[2]	86.7	91.1	92.7	89.2	77.6	91.1	96.9	95.0	91.5
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	133	719	552	40	17	1,462	102	393	2,779
Catalytic Cracking	165	1,192	855	19	23	2,255	175	638	4,433
Catalytic Hydrocracking	47	575	475	19	12	1,128	15	457	1,911
Delayed and Fluid Coking	28	800	471	33	–	1,333	52	369	2,239
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.63	1.56	1.26	1.41	0.88	1.36	1.37	1.31	1.35
API Gravity, Weighted Average (degrees)	39.54	33.88	30.85	30.91	38.30	33.38	32.30	29.18	32.88
Operable Capacity (daily average)	**744**	**5,472**	**3,330**	**260**	**110**	**9,917**	**650**	**2,620**	**18,272**
Operating	744	5,472	3,330	260	110	9,917	641	2,620	18,263
Idle	–	–	–	–	–	–	10	–	10
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**12,077**	**12,077**

– – = 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, September 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	411	26	437	2,609	98	551	3,258
Natural Gas Liquids	101	26	127	1,592	-26	401	1,967
Ethane	–	–	–	–	–	–	–
Propane	369	24	393	1,559	194	396	2,149
Normal Butane	-210	19	-191	269	-145	82	206
Isobutane	-58	-17	-75	-236	-75	-77	-388
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	310	–	310	1,017	124	150	1,291
Ethylene	13	–	13	–	–	–	–
Propylene	279	–	279	881	124	118	1,123
Normal Butylene	1	–	1	136	–	32	168
Isobutylene	17	–	17	–	–	–	–
Finished Motor Gasoline	641	1,076	1,717	4,928	1,929	2,629	9,486
Reformulated	641	–	641	–	–	–	–
Reformulated Blended with Fuel Ethanol	641	–	641	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	1,076	1,076	4,928	1,929	2,629	9,486
Conventional Blended with Fuel Ethanol	–	1,067	1,067	1,885	1,644	1,481	5,010
Ed55 and Lower	–	1,067	1,067	1,885	1,644	1,481	5,010
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	9	9	3,043	285	1,148	4,476
Finished Aviation Gasoline	–	–	–	–	1	–	1
Kerosene-Type Jet Fuel	2,237	–	2,237	6,896	817	708	8,421
Kerosene	-10	2	-8	121	–	-16	105
Distillate Fuel Oil	5,892	758	6,650	21,521	4,064	8,713	34,298
15 ppm sulfur and under	6,061	754	6,815	21,574	4,089	8,782	34,445
Greater than 15 ppm to 500 ppm sulfur	-4	–	-4	–	–	-72	-72
Greater than 500 ppm sulfur	-165	4	-161	-53	-25	3	-75
Residual Fuel Oil	664	3	667	717	113	140	970
Less than 0.31 percent sulfur	–	2	2	81	–	–	81
0.31 to 1.00 percent sulfur	552	1	553	222	67	26	315
Greater than 1.00 percent sulfur	112	–	112	414	46	114	574
Petrochemical Feedstocks	–	17	17	843	–	–	843
Naphtha for Petro. Feed. Use	–	–	–	498	–	–	498
Other Oils for Petro. Feed. Use	–	17	17	345	–	–	345
Special Naphthas	–	18	18	-40	–	12	-28
Lubricants	185	172	357	–	–	121	121
Waxes	–	-20	-20	–	–	25	25
Petroleum Coke	614	19	633	4,141	566	808	5,515
Marketable	236	–	236	3,040	412	587	4,039
Catalyst	378	19	397	1,101	154	221	1,476
Asphalt and Road Oil	412	712	1,124	2,928	1,660	370	4,958
Still Gas	742	52	794	2,966	470	822	4,258
Miscellaneous Products	50	7	57	341	65	54	460
Total	**11,838**	**2,842**	**14,680**	**47,971**	**9,783**	**14,937**	**72,691**
Processing Gain(-) or Loss(+)[1]	-895	38	-857	-4,931	-867	-1,028	-6,826

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, September 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	830	7,084	4,707	48	28	12,697	354	1,645	18,391
Natural Gas Liquids	512	4,347	2,387	18	28	7,292	213	1,534	11,133
Ethane	6	124	36	–	–	166	–	–	166
Propane	265	2,438	1,784	14	25	4,526	232	924	8,224
Normal Butane	251	2,246	443	4	3	2,947	-30	540	3,472
Isobutane	-10	-461	124	–	–	-347	11	70	-729
Natural Gasoline	– –	– –	– –	– –	– –	– –	– –	– –	– –
Refinery Olefins	318	2,737	2,320	30	–	5,405	141	111	7,258
Ethylene	–	4	–	–	–	4	–	–	17
Propylene	324	3,077	2,340	30	–	5,771	27	161	7,361
Normal Butylene	-6	-344	-20	–	–	-370	114	-50	-137
Isobutylene	–	–	–	–	–	–	–	–	17
Finished Motor Gasoline	2,431	13,705	6,257	646	165	23,204	4,825	2,408	41,640
Reformulated	–	–	–	–	–	–	–	580	1,221
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	580	1,221
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	2,431	13,705	6,257	646	165	23,204	4,825	1,828	40,419
Conventional Blended with Fuel Ethanol	1,943	420	1,881	602	73	4,919	2,820	745	14,561
Ed55 and Lower	1,943	420	1,881	602	73	4,919	2,820	745	14,561
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	488	13,285	4,376	44	92	18,285	2,005	1,083	25,858
Finished Aviation Gasoline	99	54	160	–	–	313	3	46	363
Kerosene-Type Jet Fuel	1,507	14,866	10,583	140	–	27,096	1,024	13,618	52,396
Kerosene	-17	177	0	12	–	172	–	-2	267
Distillate Fuel Oil	5,818	45,887	29,011	2,884	1,033	84,633	6,692	14,253	146,526
15 ppm sulfur and under	5,837	44,775	25,322	2,764	1,033	79,731	6,709	13,505	141,205
Greater than 15 ppm to 500 ppm sulfur	-19	269	2,253	36	–	2,539	-7	350	2,806
Greater than 500 ppm sulfur	–	843	1,436	84	–	2,363	-10	398	2,515
Residual Fuel Oil	272	1,609	1,732	-25	-7	3,581	412	2,290	7,920
Less than 0.31 percent sulfur	248	–	563	–	–	811	198	53	1,145
0.31 to 1.00 percent sulfur	-2	722	226	-25	–	921	38	610	2,437
Greater than 1.00 percent sulfur	26	887	943	–	-7	1,849	176	1,627	4,338
Petrochemical Feedstocks	113	2,821	2,262	–	49	5,245	55	82	6,242
Naphtha for Petro. Feed. Use	103	2,226	1,434	–	–	3,763	–	–	4,261
Other Oils for Petro. Feed. Use	10	595	828	–	49	1,482	55	82	1,981
Special Naphthas	85	555	–	199	–	839	–	14	843
Lubricants	15	1,138	1,583	838	–	3,574	–	419	4,471
Waxes	–	19	57	19	–	95	–	–	100
Petroleum Coke	430	8,569	5,015	164	21	14,199	659	3,898	24,904
Marketable	208	6,933	3,866	147	–	11,154	439	2,966	18,834
Catalyst	222	1,636	1,149	17	21	3,045	220	932	6,070
Asphalt and Road Oil	179	393	343	1,058	46	2,019	1,174	878	10,153
Still Gas	660	6,048	3,672	334	72	10,786	623	3,685	20,146
Miscellaneous Products	132	972	453	18	9	1,584	59	371	2,531
Total	**12,554**	**103,897**	**65,835**	**6,335**	**1,416**	**190,037**	**15,880**	**43,605**	**336,893**
Processing Gain(-) or Loss(+)[1]	-668	-10,794	-6,992	-117	-66	-18,637	-704	-5,069	-32,093

– = 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, September 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	**1,768**	**–**	**1,768**	**17**	**128**	**518**	**663**
Natural Gas Liquids	1,768	–	1,768	17	128	518	663
Normal Butane	1,476	–	1,476	17	111	347	475
Isobutane	–	–	–	–	–	–	–
Natural Gasoline	292	–	292	–	17	171	188
Other Liquids	**86,205**	**5,806**	**92,011**	**43,820**	**8,204**	**12,287**	**64,311**
Oxygenates/Renewables	9,249	636	9,885	4,618	1,063	1,459	7,140
Biofuels (including Fuel Ethanol)	9,249	636	9,885	4,618	1,063	1,459	7,140
Fuel Ethanol	8,966	578	9,544	4,501	906	1,394	6,801
Biodiesel	268	58	326	117	157	65	339
Renewable Diesel Fuel	15	–	15	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	–	–	–	–
Naphthas and Lighter	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	76,956	5,170	82,126	39,202	7,141	10,828	57,171
Reformulated - RBOB	18,605	–	18,605	6,694	1,263	618	8,575
Conventional	58,351	5,170	63,521	32,508	5,878	10,210	48,596
CBOB	48,026	5,170	53,196	32,493	5,726	10,210	48,429
GTAB	1,998	–	1,998	–	–	–	–
Other	8,327	–	8,327	15	152	–	167
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**87,973**	**5,806**	**93,779**	**43,837**	**8,332**	**12,805**	**64,974**

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	**60**	**3,786**	**237**	**75**	**3**	**4,161**	**77**	**40**	**6,709**
Natural Gas Liquids	60	3,786	237	75	3	4,161	77	40	6,709
Normal Butane	49	928	237	70	3	1,287	38	40	3,316
Isobutane	–	–	–	–	–	–	2	–	2
Natural Gasoline	11	2,858	–	5	–	2,874	37	–	3,391
Other Liquids	**18,663**	**8,462**	**2,655**	**8,577**	**1,310**	**39,667**	**6,301**	**41,294**	**243,584**
Oxygenates/Renewables	1,917	905	289	946	140	4,197	683	4,786	26,691
Biofuels (including Fuel Ethanol)	1,917	905	289	946	140	4,197	683	4,786	26,691
Fuel Ethanol	1,893	836	289	929	136	4,083	664	4,310	25,402
Biodiesel	24	69	–	17	4	114	19	340	1,138
Renewable Diesel Fuel	–	–	–	–	–	–	–	136	151
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	–	–	–	–	–	–
Naphthas and Lighter	–	–	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	16,746	7,557	2,366	7,631	1,170	35,470	5,618	36,508	216,893
Reformulated - RBOB	6,681	4,744	–	6	–	11,431	286	26,513	65,410
Conventional	10,065	2,813	2,366	7,625	1,170	24,039	5,332	9,995	151,483
CBOB	10,065	-1,199	1,654	7,625	1,116	19,261	5,331	9,750	135,967
GTAB	–	–	–	–	–	–	–	–	1,998
Other	–	4,012	712	–	54	4,778	1	245	13,518
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–	–	–
Total Input	**18,723**	**12,248**	**2,892**	**8,652**	**1,313**	**43,828**	**6,378**	**41,334**	**250,293**

– – = 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, September 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	87,699	5,756	93,455	43,751	8,175	12,741	64,667
Reformulated	34,306	33	34,339	7,848	1,415	687	9,950
Reformulated Blended with Fuel Ethanol	34,302	33	34,335	7,848	1,414	687	9,949
Reformulated Other	4	–	4	–	1	–	1
Conventional	53,393	5,723	59,116	35,903	6,760	12,054	54,717
Conventional Blended with Fuel Ethanol	54,118	5,737	59,855	36,419	7,196	12,142	55,757
Ed55 and Lower	54,034	5,737	59,771	36,394	7,148	11,997	55,539
Greater than Ed55	84	–	84	25	48	145	218
Conventional Other	-725	-14	-739	-516	-436	-88	-1,040
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	-2	–	-2	-33	-1	-1	-35
Kerosene	-3	–	-3	–	–	–	–
Distillate Fuel Oil	291	50	341	121	157	61	339
15 ppm sulfur and under	274	50	324	121	157	62	340
Greater than 15 ppm to 500 ppm sulfur	19	–	19	–	–	109	109
Greater than 500 ppm sulfur	-2	–	-2	–	–	-110	-110
Residual Fuel Oil	-18	–	-18	–	–	–	–
Less than 0.31 percent sulfur	-8	–	-8	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–
Greater than 1.00 percent sulfur	-10	–	-10	–	–	–	–
Special Naphthas	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–
Asphalt and Road Oil	10	–	10	–	1	4	5
Miscellaneous Products	–	–	–	–	–	–	–
Total Production	**87,977**	**5,806**	**93,783**	**43,839**	**8,332**	**12,805**	**64,976**
Processing Gain(-) or Loss(+)[1]	-4	0	-4	-2	0	0	-2

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	18,699	12,179	2,892	8,635	1,310	43,715	6,359	40,888	249,084
Reformulated	7,389	7,067	–	–	–	14,456	293	29,634	88,672
Reformulated Blended with Fuel Ethanol	7,386	7,066	–	–	–	14,452	293	29,634	88,663
Reformulated Other	3	1	–	–	–	4	–	–	9
Conventional	11,310	5,112	2,892	8,635	1,310	29,259	6,066	11,254	160,412
Conventional Blended with Fuel Ethanol	11,352	1,092	2,878	9,101	1,375	25,798	6,096	12,973	160,479
Ed55 and Lower	11,346	1,091	2,878	9,080	1,374	25,769	6,066	12,953	160,098
Greater than Ed55	6	1	–	21	1	29	30	20	381
Conventional Other	-42	4,020	14	-466	-65	3,461	-30	-1,719	-67
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	37	8	–	0	45	86	0	94
Kerosene	–	-36	–	–	–	-36	–	–	-39
Distillate Fuel Oil	24	67	-8	18	4	105	-66	458	1,177
15 ppm sulfur and under	24	67	-8	18	4	105	-66	458	1,161
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	128
Greater than 500 ppm sulfur	–	–	–	–	–	–	–	0	-112
Residual Fuel Oil	–	–	–	–	–	–	–	0	-18
Less than 0.31 percent sulfur	–	–	–	–	–	–	–	–	-8
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–	-2	-2
Greater than 1.00 percent sulfur	–	–	–	–	–	–	–	2	-8
Special Naphthas	–	–	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	–	–	–	–	–	–	15
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total Production	**18,723**	**12,247**	**2,892**	**8,653**	**1,314**	**43,829**	**6,379**	**41,346**	**250,313**
Processing Gain(-) or Loss(+)[1]	0	1	0	-1	-1	-1	-1	-12	-20

– = 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, September 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	**5,331**	**802**	**6,133**	**8,797**	**2,032**	**1,983**	**12,812**
Petroleum Products	**10,550**	**2,110**	**12,660**	**31,723**	**7,873**	**10,302**	**49,898**
Hydrocarbon Gas Liquids	439	59	498	2,801	478	1,160	4,439
Natural Gas Liquids	230	59	289	2,370	452	1,102	3,924
Ethane	–	–	–	–	–	–	–
Propane	80	2	82	539	32	527	1,098
Normal Butane	112	44	156	1,512	383	215	2,110
Isobutane	38	13	51	229	37	158	424
Natural Gasoline	–	–	–	90	–	202	292
Refinery Olefins	209	0	209	431	26	58	515
Ethylene	–	–	–	–	–	–	–
Propylene	108	0	108	383	26	41	450
Normal Butylene	97	0	97	48	0	17	65
Isobutylene	4	0	4	0	0	0	0
Biofuels/Other Hydrocarbons	144	97	241	43	61	31	135
Biofuels (including Fuel Ethanol)	144	97	241	27	61	31	119
Fuel Ethanol	144	89	233	21	47	27	95
Biodiesel	–	8	8	6	14	4	24
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	16	–	–	16
Unfinished Oils	3,245	357	3,602	8,541	1,259	3,713	13,513
Naphthas and Lighter	662	223	885	1,994	186	1,005	3,185
Kerosene and Light Gas Oils	245	–	245	1,804	451	378	2,633
Heavy Gas Oils	1,948	132	2,080	3,489	622	1,530	5,641
Residuum	390	2	392	1,254	–	800	2,054
Motor Gasoline Blending Components (MGBC)	3,429	280	3,709	8,442	2,351	2,548	13,341
Reformulated - RBOB	1,496	–	1,496	817	–	–	817
Conventional	1,933	280	2,213	7,625	2,351	2,548	12,524
CBOB	121	167	288	3,208	1,459	1,755	6,422
GTAB	–	–	–	–	–	–	–
Other	1,812	113	1,925	4,417	892	793	6,102
Aviation Gasoline Blending Components	–	–	–	–	–	–	–
Finished Motor Gasoline	–	43	43	586	83	259	928
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	43	43	586	83	259	928
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	43	43	586	83	259	928
Finished Aviation Gasoline	–	–	–	–	17	–	17
Kerosene-Type Jet Fuel	496	–	496	1,590	304	189	2,083
Kerosene	96	6	102	163	–	44	207
Distillate Fuel Oil	1,586	275	1,861	3,714	1,299	1,508	6,521
15 ppm sulfur and under	1,305	187	1,492	3,531	1,269	1,377	6,177
Greater than 15 ppm to 500 ppm sulfur	24	78	102	–	–	72	72
Greater than 500 ppm sulfur	257	10	267	183	30	59	272
Residual Fuel Oil	304	16	320	707	130	77	914
Less than 0.31 percent sulfur	–	14	14	243	–	–	243
0.31 to 1.00 percent sulfur	100	2	102	130	47	27	204
Greater than 1.00 percent sulfur	204	–	204	334	83	50	467
Petrochemical Feedstocks	–	6	6	546	–	–	546
Naphtha for Petro. Feed. Use	–	–	–	418	–	–	418
Other Oils for Petro. Feed. Use	–	6	6	128	–	–	128
Special Naphthas	–	37	37	69	–	18	87
Lubricants	642	214	856	–	–	244	244
Waxes	–	309	309	–	–	64	64
Petroleum Coke	–	–	–	2,023	271	156	2,450
Marketable	–	–	–	2,023	271	156	2,450
Catalyst	–	–	–	–	–	–	–
Asphalt and Road Oil	158	370	528	2,420	1,606	283	4,309
Miscellaneous Products	11	41	52	78	14	8	100
Total Stocks, All Oils	**15,881**	**2,912**	**18,793**	**40,520**	**9,905**	**12,285**	**62,710**

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, September 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	**2,066**	**27,218**	**16,014**	**1,141**	**255**	**46,694**	**2,577**	**18,357**	**86,573**
Petroleum Products	**13,661**	**61,026**	**42,096**	**3,805**	**1,097**	**121,685**	**10,612**	**47,973**	**242,828**
Hydrocarbon Gas Liquids	3,603	2,410	1,213	16	107	7,349	467	1,673	14,426
Natural Gas Liquids	3,051	2,224	1,125	16	107	6,523	331	1,524	12,591
Ethane	17	1	–	–	–	18	–	–	18
Propane	497	629	66	2	4	1,198	29	83	2,490
Normal Butane	2,157	1,345	649	10	93	4,254	173	1,089	7,782
Isobutane	357	203	242	4	10	816	116	350	1,757
Natural Gasoline	23	46	168	–	–	237	13	2	544
Refinery Olefins	552	186	88	0	0	826	136	149	1,835
Ethylene	0	0	–	–	–	0	–	–	0
Propylene	528	56	62	0	0	646	3	11	1,218
Normal Butylene	24	130	26	0	0	180	133	138	613
Isobutylene	0	0	0	0	0	0	0	0	4
Biofuels/Other Hydrocarbons	53	997	107	27	5	1,189	113	1,198	2,876
Biofuels (including Fuel Ethanol)	53	997	107	27	5	1,189	113	1,198	2,860
Fuel Ethanol	36	959	76	21	3	1,095	105	208	1,736
Biodiesel	17	38	31	6	2	94	8	7	141
Renewable Diesel Fuel	–	–	–	–	–	–	–	983	983
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	16
Unfinished Oils	3,837	23,146	15,211	1,174	508	43,876	2,892	17,607	81,490
Naphthas and Lighter	2,055	6,356	1,979	250	159	10,799	546	2,609	18,024
Kerosene and Light Gas Oils	444	4,294	1,918	245	126	7,027	731	3,420	14,056
Heavy Gas Oils	747	9,504	8,617	607	223	19,698	1,117	8,558	37,094
Residuum	591	2,992	2,697	72	–	6,352	498	3,020	12,316
Motor Gasoline Blending Components (MGBC)	3,225	12,449	10,940	306	251	27,171	3,116	13,911	61,248
Reformulated - RBOB	90	1,370	156	–	21	1,637	–	5,242	9,192
Conventional	3,135	11,079	10,784	306	230	25,534	3,116	8,669	52,056
CBOB	1,435	3,480	6,346	223	36	11,520	1,596	2,267	22,093
GTAB	–	–	–	–	–	–	–	–	–
Other	1,700	7,599	4,438	83	194	14,014	1,520	6,402	29,963
Aviation Gasoline Blending Components	10	–	17	–	–	27	–	–	27
Finished Motor Gasoline	166	1,473	1,021	33	–	2,693	595	727	4,986
Reformulated	–	–	–	–	–	–	–	16	16
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	16	16
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	166	1,473	1,021	33	–	2,693	595	711	4,970
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	63	–	63
Ed55 and Lower	–	–	–	–	–	–	63	–	63
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	166	1,473	1,021	33	–	2,693	532	711	4,907
Finished Aviation Gasoline	21	201	154	–	–	376	8	159	560
Kerosene-Type Jet Fuel	480	3,319	2,348	66	–	6,213	318	3,172	12,282
Kerosene	21	74	1	5	–	101	2	1	413
Distillate Fuel Oil	1,257	8,471	5,339	439	66	15,572	1,731	4,945	30,630
15 ppm sulfur and under	1,242	7,078	4,197	288	66	12,871	1,567	4,418	26,525
Greater than 15 ppm to 500 ppm sulfur	15	94	522	20	–	651	108	300	1,233
Greater than 500 ppm sulfur	–	1,299	620	131	–	2,050	56	227	2,872
Residual Fuel Oil	223	1,976	1,148	11	46	3,404	225	2,192	7,055
Less than 0.31 percent sulfur	14	–	16	–	–	30	23	31	341
0.31 to 1.00 percent sulfur	58	367	245	11	–	681	8	266	1,261
Greater than 1.00 percent sulfur	151	1,609	887	–	46	2,693	194	1,895	5,453
Petrochemical Feedstocks	57	1,545	552	3	25	2,182	–	–	2,734
Naphtha for Petro. Feed. Use	50	925	515	3	–	1,493	–	–	1,911
Other Oils for Petro. Feed. Use	7	620	37	–	25	689	–	–	823
Special Naphthas	126	568	–	156	–	850	–	34	1,008
Lubricants	44	1,962	2,338	879	–	5,223	–	725	7,048
Waxes	–	78	110	54	–	242	–	–	615
Petroleum Coke	79	2,008	1,035	–	–	3,122	127	896	6,595
Marketable	79	2,008	1,035	–	–	3,122	127	896	6,595
Catalyst	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	285	114	492	635	86	1,612	1,002	679	8,130
Miscellaneous Products	174	235	70	1	3	483	16	54	705
Total Stocks, All Oils	**15,727**	**88,244**	**58,110**	**4,946**	**1,352**	**168,379**	**13,189**	**66,330**	**329,401**

– – = 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, September 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	2.1	0.9	2.0	3.3	0.7	2.5	2.8
Finished Motor Gasoline[1]	47.0	36.1	45.7	51.8	48.8	49.7	51.1
Finished Aviation Gasoline[2]	–	–	–	–	0.0	–	0.0
Kerosene-Type Jet Fuel	11.5	–	10.1	8.7	6.1	3.2	7.3
Kerosene	-0.1	0.1	0.0	0.2	–	-0.1	0.1
Distillate Fuel Oil[3]	30.3	26.1	29.8	27.2	29.6	38.8	29.7
Residual Fuel Oil	3.4	0.1	3.0	0.9	0.8	0.6	0.9
Naphtha for Petro. Feed. Use	–	–	–	0.6	–	–	0.4
Other Oils for Petro. Feed. Use	–	0.6	0.1	0.4	–	–	0.3
Special Naphthas	–	0.7	0.1	-0.1	–	0.1	0.0
Lubricants	1.0	6.2	1.6	–	–	0.5	0.1
Waxes	–	-0.7	-0.1	–	–	0.1	0.0
Petroleum Coke	3.2	0.7	2.9	5.2	4.2	3.6	4.8
Asphalt and Road Oil	2.1	25.7	5.1	3.7	12.3	1.7	4.3
Still Gas	3.8	1.9	3.6	3.8	3.5	3.7	3.7
Miscellaneous Products	0.3	0.3	0.3	0.4	0.5	0.2	0.4
Processing Gain(-) or Loss(+)[4]	-4.6	1.4	-3.9	-6.2	-6.4	-4.6	-6.0

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	4.5	5.1	4.9	0.6	1.1	4.8	1.8	2.3	3.8
Finished Motor Gasoline[1]	49.4	42.6	44.9	29.8	52.6	43.6	46.5	50.0	46.5
Finished Aviation Gasoline[2]	0.5	0.0	0.2	–	–	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel	8.1	10.8	11.1	1.8	–	10.3	5.3	19.0	10.7
Kerosene	-0.1	0.1	0.0	0.2	–	0.1	–	0.0	0.1
Distillate Fuel Oil[3]	31.1	33.2	30.4	36.3	41.2	32.2	34.5	19.4	29.7
Residual Fuel Oil	1.5	1.2	1.8	-0.3	-0.3	1.4	2.1	3.2	1.6
Naphtha for Petro. Feed. Use	0.6	1.6	1.5	–	–	1.4	–	–	0.9
Other Oils for Petro. Feed. Use	0.1	0.4	0.9	–	2.0	0.6	0.3	0.1	0.4
Special Naphthas	0.5	0.4	–	2.5	–	0.3	–	0.0	0.2
Lubricants	0.1	0.8	1.7	10.6	–	1.4	–	0.6	0.9
Waxes	–	0.0	0.1	0.2	–	0.0	–	–	0.0
Petroleum Coke	2.3	6.2	5.3	2.1	0.9	5.4	3.4	5.4	5.1
Asphalt and Road Oil	1.0	0.3	0.4	13.3	1.9	0.8	6.1	1.2	2.1
Still Gas	3.6	4.4	3.9	4.2	2.9	4.1	3.2	5.2	4.1
Miscellaneous Products	0.7	0.7	0.5	0.2	0.4	0.6	0.3	0.5	0.5
Processing Gain(-) or Loss(+)[4]	-3.6	-7.8	-7.3	-1.5	-2.7	-7.1	-3.7	-7.1	-6.6

– = 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, September 2023
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	**–**	**149**	**1,593**	**1,742**
Connecticut	–	–	–	–
Delaware	–	–	–	–
Florida	–	–	200	200
Georgia	–	49	–	49
Maine	–	–	–	–
Maryland	–	–	–	–
Massachusetts	–	–	–	–
New Hampshire	–	–	–	–
New Jersey	–	100	1,322	1,422
New York	–	–	17	17
North Carolina	–	–	–	–
Pennsylvania	–	–	–	–
Rhode Island	–	–	–	–
South Carolina	–	–	54	54
Vermont	–	–	–	–
Virginia	–	–	–	–
West Virginia	–	–	–	–
PAD District 2	**–**	**7**	**98**	**105**
Illinois	–	–	–	–
Indiana	–	–	–	–
Michigan	–	–	35	35
Minnesota	–	–	–	–
North Dakota	–	7	63	70
Ohio	–	–	–	–
Wisconsin	–	–	–	–
PAD District 3	**380**	**791**	**682**	**1,853**
Alabama	–	–	–	–
Louisiana	–	526	–	526
Mississippi	–	–	–	–
New Mexico	–	–	–	–
Texas	380	265	682	1,327
PAD District 4	**–**	**–**	**–**	**–**
Idaho	–	–	–	–
Montana	–	–	–	–
PAD District 5	**–**	**46**	**–**	**46**
Alaska	–	–	–	–
California	–	–	–	–
Hawaii	–	–	–	–
Oregon	–	–	–	–
Washington	–	46	–	46
U.S. Total	**380**	**993**	**2,373**	**3,746**

– = 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, September 2023
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**17,833**	**81,311**	**50,962**	**7,238**	**41,862**	**199,206**	**6,640**
Hydrocarbon Gas Liquids	**958**	**1,742**	**–**	**263**	**1,438**	**4,401**	**147**
Natural Gas Liquids	655	1,510	–	263	1,438	3,866	129
Ethane	–	–	–	–	–	–	–
Propane	558	827	–	257	855	2,497	83
Normal Butane	84	495	–	4	515	1,098	37
Isobutane	13	188	–	–	68	269	9
Natural Gasoline	–	–	–	2	–	2	0
Refinery Olefins	303	232	–	–	–	535	18
Ethylene	–	–	–	–	–	–	–
Propylene	303	154	–	–	–	457	15
Normal Butylene	–	78	–	–	–	78	3
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**18,664**	**480**	**12,016**	**19**	**3,215**	**34,394**	**1,146**
Hydrogen/Biofuels/Other Hydrocarbons	841	70	398	6	770	2,085	70
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	841	70	398	6	770	2,085	70
Fuel Ethanol	249	–	–	–	151	400	13
Biodiesel	592	70	398	6	214	1,280	43
Renewable Diesel Fuel	–	–	–	–	405	405	14
Other Biofuels[3]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils[1]	2,196	–	10,448	–	1,695	14,339	478
Naphthas and Lighter	753	–	–	–	–	753	25
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	805	–	5,436	–	1,252	7,493	250
Residuum	638	–	5,012	–	443	6,093	203
Motor Gasoline Blend.Comp. (MGBC)	15,627	410	1,170	13	742	17,962	599
Reformulated - RBOB	4,001	–	–	–	–	4,001	133
Conventional	11,626	410	1,170	13	742	13,961	465
CBOB	1,415	–	–	–	–	1,415	47
GTAB	4,632	–	–	–	110	4,742	158
Other	5,579	410	1,170	13	632	7,804	260
Aviation Gasoline Blend. Comp.	–	–	–	–	8	8	0
Finished Petroleum Products	**10,737**	**1,282**	**3,654**	**182**	**3,387**	**19,242**	**641**
Finished Motor Gasoline	3,324	–	197	–	1,020	4,541	151
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	3,324	–	197	–	1,020	4,541	151
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	3,324	–	197	–	1,020	4,541	151
Finished Aviation Gasoline	44	3	–	–	–	47	2
Kerosene-Type Jet Fuel	1,612	–	–	15	1,655	3,282	109
Bonded Aircraft Fuel	235	–	–	–	322	557	19
Other	1,377	–	–	15	1,333	2,725	91
Kerosene	–	–	–	–	–	–	–
Distillate Fuel Oil	2,825	159	–	55	527	3,566	119
15 ppm sulfur and under	2,823	156	–	55	527	3,561	119
Bonded	–	–	–	–	–	–	–
Other	2,823	156	–	55	527	3,561	119
Greater than 15 ppm to 500 ppm sulfur	2	1	–	–	–	3	0
Bonded	–	–	–	–	–	–	–
Other	2	1	–	–	–	3	0
Greater than 500 ppm to 2000 ppm sulfur	–	2	–	–	–	2	0
Bonded	–	–	–	–	–	–	–
Other	–	2	–	–	–	2	0
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	1,742	105	1,853	–	46	3,746	125
Less than 0.31 percent sulfur	–	–	380	–	–	380	13
0.31 to 1.00 percent sulfur	149	7	791	–	46	993	33
Greater than 1.00 percent sulfur	1,593	98	682	–	–	2,373	79
Petrochemical Feedstocks	–	153	101	–	28	282	9
Naphtha for Petro. Feed. Use	–	90	35	–	28	153	5
Other Oils for Petro. Feed. Use	–	63	66	–	–	129	4
Special Naphthas	–	22	510	–	15	547	18
Lubricants	113	200	790	–	64	1,167	39
Waxes	82	15	4	–	1	102	3
Petroleum Coke (Marketable)	–	7	199	–	–	206	7
Asphalt and Road Oil	995	618	–	112	31	1,756	59
Miscellaneous Products	–	–	–	–	–	–	–
Total	**48,192**	**84,815**	**66,632**	**7,702**	**49,902**	**257,243**	**8,575**

– – = 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-September 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**160,247**	**760,517**	**430,772**	**68,806**	**346,996**	**1,767,338**	**6,474**
Hydrocarbon Gas Liquids	**9,382**	**17,187**	**9**	**4,612**	**13,613**	**44,803**	**164**
Natural Gas Liquids	6,689	14,893	9	4,611	13,613	39,815	146
Ethane	–	–	–	–	–	–	–
Propane	6,195	9,035	–	4,493	8,280	28,003	103
Normal Butane	461	3,895	9	104	5,038	9,507	35
Isobutane	33	1,950	–	–	295	2,278	8
Natural Gasoline	–	13	–	14	–	27	0
Refinery Olefins	2,693	2,294	–	1	–	4,988	18
Ethylene	–	–	–	–	–	–	–
Propylene	2,693	1,411	–	1	–	4,105	15
Normal Butylene	–	883	–	–	–	883	3
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**168,952**	**4,914**	**130,438**	**636**	**33,818**	**338,758**	**1,241**
Hydrogen/Biofuels/Other Hydrocarbons	4,337	786	2,561	100	7,992	15,776	58
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	4,337	786	2,546	100	7,992	15,761	58
Fuel Ethanol	249	–	–	–	400	649	2
Biodiesel	3,915	786	2,436	100	1,405	8,642	32
Renewable Diesel Fuel	173	–	53	–	6,180	6,406	23
Other Biofuels[3]	–	–	57	–	7	64	0
Other Hydrocarbons	–	–	15	–	–	15	0
Unfinished Oils[1]	19,667	19	114,600	–	15,108	149,394	547
Naphthas and Lighter	5,983	19	317	–	–	6,319	23
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	6,193	–	58,016	–	12,972	77,181	283
Residuum	7,491	–	56,267	–	2,136	65,894	241
Motor Gasoline Blend.Comp. (MGBC)	144,948	4,109	13,277	536	10,710	173,580	636
Reformulated - RBOB	37,468	–	292	–	777	38,537	141
Conventional	107,480	4,109	12,985	536	9,933	135,043	495
CBOB	15,524	982	–	–	1,269	17,775	65
GTAB	29,881	–	396	–	511	30,788	113
Other	62,075	3,127	12,589	536	8,153	86,480	317
Aviation Gasoline Blend. Comp.	–	–	–	–	8	8	0
Finished Petroleum Products	102,376	12,928	33,926	1,549	39,040	189,819	695
Finished Motor Gasoline	26,348	1	811	–	6,303	33,463	123
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	26,348	1	811	–	6,303	33,463	123
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	26,348	1	811	–	6,303	33,463	123
Finished Aviation Gasoline	141	35	–	1	14	191	1
Kerosene-Type Jet Fuel	13,254	–	25	264	23,143	36,686	134
Bonded Aircraft Fuel	1,115	–	–	–	6,225	7,340	27
Other	12,139	–	25	264	16,918	29,346	107
Kerosene	554	20	–	–	–	574	2
Distillate Fuel Oil	38,305	2,485	886	545	4,919	47,140	173
15 ppm sulfur and under	38,155	2,388	886	545	4,915	46,889	172
Bonded	–	–	481	–	–	481	2
Other	38,155	2,388	405	545	4,915	46,408	170
Greater than 15 ppm to 500 ppm sulfur	19	33	–	–	–	52	0
Bonded	–	–	–	–	–	–	–
Other	19	33	–	–	–	52	0
Greater than 500 ppm to 2000 ppm sulfur	131	64	–	–	4	199	1
Bonded	–	–	–	–	–	–	–
Other	131	64	–	–	4	199	1
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	13,196	718	14,113	15	3,035	31,077	114
Less than 0.31 percent sulfur	998	–	445	11	858	2,312	8
0.31 to 1.00 percent sulfur	2,706	66	2,544	4	2,102	7,422	27
Greater than 1.00 percent sulfur	9,492	652	11,124	–	75	21,343	78
Petrochemical Feedstocks	424	1,448	2,802	–	206	4,880	18
Naphtha for Petro. Feed. Use	388	811	1,902	–	206	3,307	12
Other Oils for Petro. Feed. Use	36	637	900	–	–	1,573	6
Special Naphthas	78	119	4,365	1	252	4,815	18
Lubricants	1,064	2,074	8,711	–	330	12,179	45
Waxes	745	144	93	–	113	1,095	4
Petroleum Coke (Marketable)	3	131	2,120	–	–	2,254	8
Asphalt and Road Oil	8,264	5,753	–	723	725	15,465	57
Miscellaneous Products	–	–	–	–	–	–	–
Total	440,957	795,546	595,145	75,603	433,467	2,340,718	8,574

– – = 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, September 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	**35,374**	**316**	**–**	**6,419**	**–**	**–**	**–**	**245**	**1,415**	**1,660**
Algeria	1,997	–	–	1,446	–	–	–	–	12	12
Angola	1,237	269	–	101	–	–	–	–	428	428
Congo (Brazzaville)	901	–	–	99	–	–	–	–	–	–
Equatorial Guinea	–	47	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	530	–	–	–	–	–	–	–	–	–
Iraq	7,529	–	–	2,313	–	–	–	–	–	–
Kuwait	759	–	–	–	–	–	–	–	–	–
Libya	1,644	–	–	–	–	–	–	–	–	–
Nigeria	3,168	–	–	–	–	–	–	–	186	186
Saudi Arabia	10,586	–	–	2,460	–	–	–	245	789	1,034
United Arab Emirates	2,139	–	–	–	–	–	–	–	–	–
Venezuela	4,884	–	–	–	–	–	–	–	–	–
Non-OPEC	**163,832**	**3,550**	**535**	**7,920**	**–**	**4,541**	**4,541**	**3,756**	**12,546**	**16,302**
Argentina	2,269	–	–	–	–	–	–	–	267	267
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	211	211	40	86	126
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	312	–	686	686	278	–	278
Brazil	8,641	–	–	592	–	41	41	–	1,850	1,850
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	112,462	3,550	535	432	–	566	566	2,196	1,236	3,432
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	479	479	–	–	–
Colombia	6,073	–	–	–	–	–	–	–	18	18
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	2,996	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	271	271
France	–	–	–	93	–	328	328	–	386	386
Germany	–	–	–	–	–	1	1	–	–	–
Guatemala	279	–	–	–	–	–	–	–	–	–
India	–	–	–	268	–	–	–	–	1,161	1,161
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	277	–	–	–	184	1,230	1,414
Korea, South	–	–	–	–	–	797	797	–	353	353
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	132	132
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	22,284	–	–	4,435	–	–	–	–	215	215
Netherlands	–	–	–	218	–	389	389	–	679	679
Norway	–	–	–	–	–	427	427	–	722	722
Oman	–	–	–	–	–	–	–	–	217	217
Portugal	–	–	–	217	–	284	284	–	473	473
Qatar	484	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	750	–	–	–	–	1,112	1,112
Sweden	–	–	–	–	–	–	–	160	331	491
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	1,404	–	–	–	–	–	–	–	–	–
United Kingdom	2,036	–	–	–	–	16	16	898	316	1,214
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	4,904	0	0	326	–	316	316	0	1,491	1,491
Total	**199,206**	**3,866**	**535**	**14,339**	**–**	**4,541**	**4,541**	**4,001**	**13,961**	**17,962**
Persian Gulf[4]	**22,027**	**–**	**–**	**4,773**	**–**	**–**	**–**	**245**	**789**	**1,034**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 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	**400**	**1,280**	**405**	**–**	**3,561**	**3**	**2**	**–**	**3,566**	**–**	**47**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	400	51	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	260	–	–	2,901	3	2	–	2,906	–	3
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	476	–	–	–	476	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	348	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	178	–	–	–	–	–	–	–	–	–
Korea, South	–	138	–	–	148	–	–	–	148	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	42	–	–	–	–	–	–	–	44
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	305	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	0	0	363	–	36	0	0	–	36	–	0
Total	**400**	**1,280**	**405**	**–**	**3,561**	**3**	**2**	**–**	**3,566**	**–**	**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, September 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	**–**	**652**	**–**	**380**	**–**	**1**	**381**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	380	–	–	380	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	1	1	–	–
Kuwait	–	652	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**8**	**2,630**	**547**	**–**	**993**	**2,372**	**3,365**	**153**	**129**
Argentina	–	–	–	–	–	–	–	–	16
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	129	129	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	35	–	–	–	–	–	–
Brazil	–	–	–	–	365	437	802	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	210	173	–	53	461	514	90	63
Chad	–	–	–	–	–	–	–	–	–
China	–	322	–	–	–	–	–	–	–
Colombia	–	98	–	–	–	935	935	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	12	12	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	29
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	532	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	8	1,158	324	–	–	–	–	22	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	1	1	–	–
Mexico	–	–	–	–	–	271	271	13	21
Netherlands	–	–	15	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	0	310	0	0	575	126	701	28	0
Total	**8**	**3,282**	**547**	**380**	**993**	**2,373**	**3,746**	**153**	**129**
Persian Gulf[4]	**–**	**652**	**–**	**–**	**–**	**1**	**1**	**–**	**–**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 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	**–**	**–**	**–**	**–**	**–**	**9,428**	**44,802**	**1,179**	**314**	**1,493**
Algeria	–	–	–	–	–	1,458	3,455	67	49	115
Angola	–	–	–	–	–	798	2,035	41	27	68
Congo (Brazzaville)	–	–	–	–	–	479	1,380	30	16	46
Equatorial Guinea	–	–	–	–	–	47	47	–	2	2
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	530	18	–	18
Iraq	–	–	–	–	–	2,314	9,843	251	77	328
Kuwait	–	–	–	–	–	652	1,411	25	22	47
Libya	–	–	–	–	–	–	1,644	55	–	55
Nigeria	–	–	–	–	–	186	3,354	106	6	112
Saudi Arabia	–	–	–	–	–	3,494	14,080	353	116	469
United Arab Emirates	–	–	–	–	–	–	2,139	71	–	71
Venezuela	–	–	–	–	–	–	4,884	163	–	163
Non-OPEC	**102**	**206**	**1,756**	**1,167**	**–**	**48,609**	**212,441**	**5,461**	**1,620**	**7,081**
Argentina	–	–	–	–	–	283	2,552	76	9	85
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	466	466	–	16	16
Bahrain	–	–	–	69	–	69	69	–	2	2
Belgium	–	–	–	2	–	1,313	1,313	–	44	44
Brazil	–	199	–	–	–	3,935	12,576	288	131	419
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	87	6	1,403	267	–	14,497	126,959	3,749	483	4,232
Chad	–	–	–	–	–	–	–	–	–	–
China	2	–	–	–	–	803	803	–	27	27
Colombia	–	–	–	–	–	1,527	7,600	202	51	253
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	12	3,008	100	0	100
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	271	271	–	9	9
France	–	–	–	4	–	840	840	–	28	28
Germany	–	–	–	16	–	365	365	–	12	12
Guatemala	–	–	–	–	–	–	279	9	–	9
India	–	–	–	–	–	1,961	1,961	–	65	65
Indonesia	–	–	–	133	–	133	133	–	4	4
Italy	–	–	–	5	–	1,874	1,874	–	62	62
Korea, South	–	–	–	293	–	3,241	3,241	–	108	108
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	132	132	–	4	4
Malaysia	5	–	–	–	–	6	6	–	0	0
Mexico	–	–	–	–	–	4,955	27,239	743	165	908
Netherlands	–	–	39	12	–	1,438	1,438	–	48	48
Norway	–	–	–	–	–	1,149	1,149	–	38	38
Oman	–	–	–	–	–	217	217	–	7	7
Portugal	–	–	–	–	–	974	974	–	32	32
Qatar	–	–	–	365	–	365	849	16	12	28
Russia	–	–	–	–	–	–	–	–	–	–
Spain	3	–	19	–	–	2,189	2,189	–	73	73
Sweden	–	1	–	–	–	492	492	–	16	16
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	1,404	47	–	47
United Kingdom	–	–	–	–	–	1,230	3,266	68	41	109
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	5	0	295	1	–	3,872	8,776	163	133	296
Total	**102**	**206**	**1,756**	**1,167**	**–**	**58,037**	**257,243**	**6,640**	**1,935**	**8,575**
Persian Gulf[4]	**–**	**–**	**–**	**434**	**–**	**6,894**	**28,921**	**734**	**230**	**964**

– – = 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-September 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	**295,970**	**1,518**	**–**	**61,112**	**–**	**237**	**237**	**811**	**12,513**	**13,324**
Algeria	5,997	–	–	10,983	–	–	–	1	2,941	2,942
Angola	9,901	372	–	260	–	128	128	–	1,512	1,512
Congo (Brazzaville)	1,895	–	–	99	–	–	–	–	–	–
Equatorial Guinea	1,029	1,146	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	977	–	–	–	–	–	–	–	–	–
Iraq	62,014	–	–	31,281	–	–	–	–	–	–
Kuwait	6,371	–	–	807	–	–	–	–	70	70
Libya	18,590	–	–	–	–	–	–	–	–	–
Nigeria	46,671	–	–	377	–	75	75	–	911	911
Saudi Arabia	104,861	–	–	16,631	–	–	–	245	6,388	6,633
United Arab Emirates	3,567	–	–	674	–	34	34	565	691	1,256
Venezuela	34,097	–	–	–	–	–	–	–	–	–
Non-OPEC	**1,471,368**	**38,297**	**4,988**	**88,282**	**–**	**33,226**	**33,226**	**37,726**	**122,530**	**160,256**
Argentina	13,223	–	–	294	–	25	25	–	2,125	2,125
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	339	–	–	50	–	–	–	–	–	–
Bahamas	–	–	–	–	–	4,970	4,970	140	2,460	2,600
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	3,256	–	3,573	3,573	588	2,192	2,780
Brazil	45,559	–	–	8,833	–	332	332	–	4,136	4,136
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	1,046,775	38,129	4,988	5,475	–	3,462	3,462	18,956	16,244	35,200
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	854	854	–	491	491
Colombia	55,393	–	–	1,434	–	–	–	–	260	260
Denmark	–	–	–	–	–	2	2	38	84	122
Ecuador	38,727	–	–	3,017	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	439	439	281	2,989	3,270
France	–	–	–	583	–	2,407	2,407	482	3,061	3,543
Germany	–	–	–	9	–	75	75	227	326	553
Guatemala	560	–	–	–	–	–	–	–	–	–
India	–	–	–	3,628	–	1,001	1,001	551	19,225	19,776
Indonesia	–	–	–	134	–	–	–	–	–	–
Italy	–	–	–	1,332	–	366	366	508	8,984	9,492
Korea, South	–	–	–	–	–	3,892	3,892	–	5,303	5,303
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	133	133	22	1,961	1,983
Malaysia	–	–	–	4,846	–	–	–	–	269	269
Mexico	199,763	–	–	39,121	–	–	–	–	445	445
Netherlands	383	–	–	2,132	–	4,144	4,144	5,194	12,727	17,921
Norway	2,312	–	–	–	–	2,262	2,262	1,001	6,009	7,010
Oman	–	–	–	645	–	4	4	–	793	793
Portugal	–	–	–	920	–	322	322	45	7,211	7,256
Qatar	1,001	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	2,215	–	1,811	1,811	37	10,099	10,136
Sweden	–	–	–	199	–	588	588	238	1,492	1,730
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	9,984	168	–	–	–	–	–	–	–	–
United Kingdom	11,341	–	–	708	–	1,370	1,370	9,160	2,809	11,969
Vietnam	285	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	45,106	0	0	9,404	–	1,194	1,194	258	10,835	11,093
Total	**1,767,338**	**39,815**	**4,988**	**149,394**	**–**	**33,463**	**33,463**	**38,537**	**135,043**	**173,580**
Persian Gulf[4]	**178,791**	**–**	**–**	**49,393**	**–**	**34**	**34**	**810**	**7,149**	**7,959**

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-September 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	**649**	**8,642**	**6,406**	**64**	**45,778**	**52**	**199**	**–**	**46,029**	**574**	**191**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	54	–	–	70	–	–	–	70	–	–
Brazil	649	141	–	–	110	–	–	–	110	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	762	–	–	–	762	–	–
Canada	–	2,465	–	7	36,184	52	68	–	36,304	20	50
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	1,566	–	–	–	1,566	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	226	52	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	3,293	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	780	–	–	–	–	–	–	–	–	–
Korea, South	–	657	–	–	1,073	–	–	–	1,073	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	37	149	–	55	–	117	–	172	–	141
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	1,215	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	49	–	–	–	49	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	50	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	0	0	6,031	5	1,369	0	0	–	1,369	0	0
Total	**649**	**8,642**	**6,406**	**64**	**46,889**	**52**	**199**	**–**	**47,140**	**574**	**191**
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-September 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	**–**	**6,259**	**–**	**1,378**	**584**	**1,491**	**3,453**	**7**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	35	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	380	126	–	506	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	575	575	–	–
Kuwait	–	4,369	–	–	95	606	701	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	1,115	–	–	–	279	279	7	–
United Arab Emirates	–	736	–	–	103	–	103	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**8**	**30,427**	**4,815**	**934**	**6,838**	**19,852**	**27,624**	**3,300**	**1,573**
Argentina	–	25	–	–	179	–	179	–	157
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	305	137	–	442	–	–
Bahamas	–	–	–	–	20	129	149	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	65	42	–	301	–	301	–	–
Brazil	–	–	63	–	517	1,439	1,956	–	20
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	3,262	1,102	76	830	1,916	2,822	827	689
Chad	–	–	–	–	–	–	–	–	–
China	–	1,864	–	–	92	–	92	–	–
Colombia	–	98	–	–	58	3,315	3,373	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	14	124	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	49	–	–	–	–	–	175
Germany	–	–	50	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	2,214	–	240	–	98	338	175	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	130	–
Korea, South	8	16,662	3,142	–	–	–	–	709	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	136	–	119	–	434	553	–	–
Mexico	–	13	–	–	8	10,038	10,046	368	532
Netherlands	–	–	268	–	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	0	5,907	99	194	3,438	1,770	5,402	887	0
Total	**8**	**36,686**	**4,815**	**2,312**	**7,422**	**21,343**	**31,077**	**3,307**	**1,573**
Persian Gulf[4]	**–**	**6,224**	**–**	**–**	**198**	**1,460**	**1,658**	**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-September 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**	**–**	**1,208**	**–**	**88,363**	**384,333**	**1,084**	**324**	**1,408**
Algeria	–	–	–	–	–	15,208	21,205	22	56	78
Angola	–	–	–	–	–	2,310	12,211	36	8	45
Congo (Brazzaville)	–	–	–	–	–	605	2,500	7	2	9
Equatorial Guinea	–	–	–	–	–	1,146	2,175	4	4	8
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	977	4	–	4
Iraq	–	–	–	–	–	31,860	93,874	227	117	344
Kuwait	–	–	–	–	–	5,947	12,318	23	22	45
Libya	–	–	–	–	–	–	18,590	68	–	68
Nigeria	–	–	–	–	–	1,674	48,345	171	6	177
Saudi Arabia	–	–	–	35	–	25,450	130,311	384	93	477
United Arab Emirates	–	134	–	1,173	–	4,163	7,730	13	15	28
Venezuela	–	–	–	–	–	–	34,097	125	–	125
Non-OPEC	**1,095**	**2,120**	**15,465**	**10,971**	**–**	**485,017**	**1,956,385**	**5,390**	**1,777**	**7,166**
Argentina	–	650	–	6	–	3,461	16,684	48	13	61
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	492	831	1	2	3
Bahamas	–	–	–	–	–	7,719	7,719	–	28	28
Bahrain	–	–	–	622	–	622	622	–	2	2
Belgium	–	–	–	40	–	10,181	10,181	–	37	37
Brazil	–	414	–	–	–	16,654	62,213	167	61	228
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	762	1,379	2	3	5
Canada	784	129	14,341	2,721	–	152,777	1,199,552	3,834	560	4,394
Chad	–	–	–	–	–	–	–	–	–	–
China	135	–	–	–	–	3,436	3,436	–	13	13
Colombia	–	308	72	–	–	7,111	62,504	203	26	229
Denmark	–	–	–	–	–	157	157	–	1	1
Ecuador	–	–	–	–	–	3,142	41,869	142	12	153
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	50	–	4,056	4,056	–	15	15
France	–	–	–	59	–	6,816	6,816	–	25	25
Germany	–	–	–	129	–	4,162	4,162	–	15	15
Guatemala	–	–	–	–	–	–	560	2	–	2
India	–	–	–	–	–	30,724	30,724	–	113	113
Indonesia	–	–	–	722	–	856	856	–	3	3
Italy	–	–	31	60	–	12,358	12,358	–	45	45
Korea, South	2	–	31	2,737	–	34,216	34,216	–	125	125
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	2,116	2,116	–	8	8
Malaysia	29	–	–	–	–	5,833	5,833	–	21	21
Mexico	–	–	–	–	–	50,825	250,588	732	186	918
Netherlands	–	140	39	428	–	26,560	26,943	1	97	99
Norway	–	–	–	–	–	9,301	11,613	8	34	43
Oman	–	132	–	–	–	1,578	1,578	–	6	6
Portugal	–	–	–	–	–	8,653	8,653	–	32	32
Qatar	–	–	–	3,179	–	4,340	5,341	4	16	20
Russia	–	–	–	–	–	–	–	–	–	–
Spain	7	–	222	203	–	15,890	15,890	–	58	58
Sweden	–	2	–	4	–	2,572	2,572	–	9	9
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	168	10,152	37	1	37
United Kingdom	24	25	–	1	–	14,853	26,194	42	54	96
Vietnam	–	–	–	–	–	–	285	1	–	1
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	114	320	729	10	–	42,579	87,685	166	156	321
Total	**1,095**	**2,254**	**15,465**	**12,179**	**–**	**573,380**	**2,340,718**	**6,474**	**2,100**	**8,574**
Persian Gulf[4]	**–**	**134**	**–**	**5,009**	**–**	**72,382**	**251,173**	**655**	**265**	**920**

– – = 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, September 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	**9,061**	**269**	**–**	**1,615**	**–**	**–**	**–**	**245**	**1,205**	**1,450**
Algeria	1,997	–	–	466	–	–	–	–	12	12
Angola	1,237	–	–	101	–	–	–	–	428	428
Congo (Brazzaville)	901	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	1,059	–	–	1,048	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	624	–	–	–	–	–	–	–	–	–
Nigeria	2,245	–	–	–	–	–	–	–	–	–
Saudi Arabia	500	–	–	–	–	–	–	245	765	1,010
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	498	–	–	–	–	–	–	–	–	–
Non-OPEC	**8,772**	**386**	**303**	**581**	**–**	**3,324**	**3,324**	**3,756**	**10,421**	**14,177**
Argentina	–	–	–	–	–	–	–	–	267	267
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	211	211	40	86	126
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	686	686	278	–	278
Brazil	–	–	–	–	–	–	–	–	1,805	1,805
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	2,953	386	303	–	–	343	343	2,196	784	2,980
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	323	323	–	–	–
Colombia	476	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	271	271
France	–	–	–	–	–	328	328	–	386	386
Germany	–	–	–	–	–	1	1	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	695	695
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	105	–	–	–	184	1,230	1,414
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	132	132
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	1,205	–	–	269	–	–	–	–	–	–
Netherlands	–	–	–	147	–	389	389	–	679	679
Norway	–	–	–	–	–	427	427	–	722	722
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	284	284	–	473	473
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	60	–	–	–	–	1,112	1,112
Sweden	–	–	–	–	–	–	–	160	331	491
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	504	–	–	–	–	–	–	–	–	–
United Kingdom	735	–	–	–	–	16	16	898	316	1,214
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	2,899	0	0	0	–	316	316	0	1,132	1,132
Total	**17,833**	**655**	**303**	**2,196**	**–**	**3,324**	**3,324**	**4,001**	**11,626**	**15,627**
Persian Gulf[4]	**1,559**	**–**	**–**	**1,048**	**–**	**–**	**–**	**245**	**765**	**1,010**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 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	**249**	**592**	–	–	**2,823**	**2**	–	–	**2,825**	–	**44**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	249	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	108	–	–	2,311	2	–	–	2,313	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	476	–	–	–	476	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	90	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	142	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	44
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	252	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	–	36	0	–	–	36	–	0
Total	**249**	**592**	–	–	**2,823**	**2**	–	–	**2,825**	–	**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, September 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	**–**	**652**	**–**	**–**	**–**	**1**	**1**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	1	1	–	–
Kuwait	–	652	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**960**	**–**	**–**	**149**	**1,592**	**1,741**	**–**	**–**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	129	129	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	100	63	163	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	170	–	–	–	363	363	–	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	98	–	–	–	935	935	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	12	12	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	532	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	160	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	1	1	–	–
Mexico	–	–	–	–	–	41	41	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	49	48	97	–	–
Total	**–**	**1,612**	**–**	**–**	**149**	**1,593**	**1,742**	**–**	**–**
Persian Gulf[4]	**–**	**652**	**–**	**–**	**–**	**1**	**1**	**–**	**–**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 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	**–**	**–**	**–**	**–**	**–**	**3,987**	**13,048**	**302**	**133**	**435**
Algeria	–	–	–	–	–	478	2,475	67	16	83
Angola	–	–	–	–	–	798	2,035	41	27	68
Congo (Brazzaville)	–	–	–	–	–	–	901	30	–	30
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	1,049	2,108	35	35	70
Kuwait	–	–	–	–	–	652	652	–	22	22
Libya	–	–	–	–	–	–	624	21	–	21
Nigeria	–	–	–	–	–	–	2,245	75	–	75
Saudi Arabia	–	–	–	–	–	1,010	1,510	17	34	50
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	498	17	–	17
Non-OPEC	**82**	**–**	**995**	**113**	**–**	**26,372**	**35,144**	**292**	**879**	**1,171**
Argentina	–	–	–	–	–	267	267	–	9	9
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	466	466	–	16	16
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	964	964	–	32	32
Brazil	–	–	–	–	–	2,217	2,217	–	74	74
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	73	–	642	67	–	7,748	10,701	98	258	357
Chad	–	–	–	–	–	–	–	–	–	–
China	2	–	–	–	–	325	325	–	11	11
Colombia	–	–	–	–	–	1,509	1,985	16	50	66
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	12	12	–	0	0
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	271	271	–	9	9
France	–	–	–	4	–	718	718	–	24	24
Germany	–	–	–	10	–	101	101	–	3	3
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	1,227	1,227	–	41	41
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	1	–	1,662	1,662	–	55	55
Korea, South	–	–	–	31	–	191	191	–	6	6
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	132	132	–	4	4
Malaysia	1	–	–	–	–	2	2	–	0	0
Mexico	–	–	–	–	–	310	1,515	40	10	51
Netherlands	–	–	39	–	–	1,298	1,298	–	43	43
Norway	–	–	–	–	–	1,149	1,149	–	38	38
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	757	757	–	25	25
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	3	–	19	–	–	1,446	1,446	–	48	48
Sweden	–	–	–	–	–	491	491	–	16	16
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	504	17	–	17
United Kingdom	–	–	–	–	–	1,230	1,965	25	41	66
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	3	–	295	0	–	1,879	4,778	96	66	160
Total	**82**	**–**	**995**	**113**	**–**	**30,359**	**48,192**	**594**	**1,012**	**1,606**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**2,711**	**4,270**	**52**	**90**	**142**

– – = 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, September 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	**81,311**	**1,510**	**232**	**–**	**–**	**–**	**–**	**–**	**410**	**410**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	81,311	1,510	232	–	–	–	–	–	410	410
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	**81,311**	**1,510**	**232**	**–**	**–**	**–**	**–**	**–**	**410**	**410**
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, September 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	–	**70**	–	–	**156**	**1**	**2**	–	**159**	–	**3**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	70	–	–	156	1	2	–	159	–	3
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	–	**70**	–	–	**156**	**1**	**2**	–	**159**	–	**3**
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, September 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	–	–	**22**	–	**7**	**98**	**105**	**90**	**63**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	22	–	7	98	105	90	63
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	–	–	**22**	–	**7**	**98**	**105**	**90**	**63**
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, September 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	**15**	**7**	**618**	**200**	**–**	**3,504**	**84,815**	**2,710**	**117**	**2,827**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	14	6	618	197	–	3,499	84,810	2,710	117	2,827
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	3	–	3	3	–	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	1	0	0	0	–	1	1	0	0	0
Total	**15**	**7**	**618**	**200**	**–**	**3,504**	**84,815**	**2,710**	**117**	**2,827**
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, September 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	**11,442**	–	–	**3,824**	–	–	–	–	**210**	**210**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	99	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	530	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	1,265	–	–	–	–	–	–
Kuwait	759	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	186	186
Saudi Arabia	5,767	–	–	2,460	–	–	–	–	24	24
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	4,386	–	–	–	–	–	–	–	–	–
Non-OPEC	**39,520**	–	–	**6,624**	–	**197**	**197**	–	**960**	**960**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	312	–	–	–	–	–	–
Brazil	1,946	–	–	592	–	41	41	–	45	45
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	11,955	–	–	330	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	156	156	–	–	–
Colombia	4,596	–	–	–	–	–	–	–	18	18
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	93	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Guatemala	279	–	–	–	–	–	–	–	–	–
India	–	–	–	268	–	–	–	–	185	185
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	172	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	159	159
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	18,543	–	–	3,802	–	–	–	–	215	215
Netherlands	–	–	–	71	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	217	217
Portugal	–	–	–	217	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	441	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	900	–	–	–	–	–	–	–	–	–
United Kingdom	1,301	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	–	–	326	–	0	0	–	121	121
Total	**50,962**	–	–	**10,448**	–	**197**	**197**	–	**1,170**	**1,170**
Persian Gulf[4]	**7,056**	–	–	**3,725**	–	–	–	–	**24**	**24**

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 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	–	**398**	–	–	–	–	–	–	–	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	51	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	258	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	36	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	53	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	–	–	–	–	–	–	–
Total	–	**398**	–	–	–	–	–	–	–	–	–
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, September 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	**–**	**–**	**–**	**380**	**–**	**–**	**380**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	380	–	–	380	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**–**	**510**	**–**	**791**	**682**	**1,473**	**35**	**66**
Argentina	–	–	–	–	–	–	–	–	16
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	35	–	–	–	–	–	–
Brazil	–	–	–	–	265	374	639	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	136	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	29
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	324	–	–	–	–	22	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	230	230	13	21
Netherlands	–	–	15	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	–	0	0	526	78	604	0	0
Total	**–**	**–**	**510**	**380**	**791**	**682**	**1,853**	**35**	**66**
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, September 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	**–**	**–**	**–**	**–**	**–**	**4,414**	**15,856**	**381**	**147**	**529**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	479	479	–	16	16
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	530	18	–	18
Iraq	–	–	–	–	–	1,265	1,265	–	42	42
Kuwait	–	–	–	–	–	–	759	25	–	25
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	186	186	–	6	6
Saudi Arabia	–	–	–	–	–	2,484	8,251	192	83	275
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	4,386	146	–	146
Non-OPEC	**4**	**199**	**–**	**790**	**–**	**11,256**	**50,776**	**1,317**	**375**	**1,693**
Argentina	–	–	–	–	–	16	16	–	1	1
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	69	–	69	69	–	2	2
Belgium	–	–	–	2	–	349	349	–	12	12
Brazil	–	199	–	–	–	1,567	3,513	65	52	117
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	466	12,421	399	16	414
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	156	156	–	5	5
Colombia	–	–	–	–	–	18	4,614	153	1	154
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	122	122	–	4	4
Germany	–	–	–	3	–	261	261	–	9	9
Guatemala	–	–	–	–	–	–	279	9	–	9
India	–	–	–	–	–	453	453	–	15	15
Indonesia	–	–	–	133	–	133	133	–	4	4
Italy	–	–	–	4	–	212	212	–	7	7
Korea, South	–	–	–	251	–	756	756	–	25	25
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	4	–	–	–	–	4	4	–	0	0
Mexico	–	–	–	–	–	4,281	22,824	618	143	761
Netherlands	–	–	–	2	–	88	88	–	3	3
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	217	217	–	7	7
Portugal	–	–	–	–	–	217	217	–	7	7
Qatar	–	–	–	325	–	325	325	–	11	11
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	494	494	–	16	16
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	900	30	–	30
United Kingdom	–	–	–	–	–	–	1,301	43	–	43
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	1	–	1,052	1,052	0	35	37
Total	**4**	**199**	**–**	**790**	**–**	**15,670**	**66,632**	**1,699**	**522**	**2,221**
Persian Gulf[4]	**–**	**–**	**–**	**394**	**–**	**4,143**	**11,199**	**235**	**138**	**373**

– – = 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, September 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	**7,238**	**263**	–	–	–	–	–	–	**13**	**13**
Canada	7,238	263	–	–	–	–	–	–	13	13
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	–	–	–	–	–	0	0
Total	**7,238**	**263**	–	–	–	–	–	–	**13**	**13**
	PAD District 5									
OPEC	**14,871**	**47**	–	**980**	–	–	–	–	–	–
Algeria	–	–	–	980	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	47	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	6,470	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	1,020	–	–	–	–	–	–	–	–	–
Nigeria	923	–	–	–	–	–	–	–	–	–
Saudi Arabia	4,319	–	–	–	–	–	–	–	–	–
United Arab Emirates	2,139	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	26,991	1,391	–	715	–	1,020	1,020	–	742	742
Argentina	2,269	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	6,695	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	9,005	1,391	–	102	–	223	223	–	29	29
China	–	–	–	–	–	–	–	–	–	–
Colombia	1,001	–	–	–	–	–	–	–	–	–
Ecuador	2,996	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	158	158
Korea, South	–	–	–	–	–	797	797	–	194	194
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	2,536	–	–	364	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	484	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	80	80
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**2,005**	**0**	–	**249**	–	**0**	**0**	–	**281**	**281**
Total	**41,862**	**1,438**	–	**1,695**	–	**1,020**	**1,020**	–	**742**	**742**
Persian Gulf[4]	13,412	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 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	–	**6**	–	–	**55**	–	–	–	**55**	–	–
Canada	–	6	–	–	55	–	–	–	55	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**6**	–	–	**55**	–	–	–	**55**	–	–
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	151	214	405	–	527	–	–	–	527	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	151	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	76	–	–	379	–	–	–	379	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	138	–	–	148	–	–	–	148	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	42	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	363	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	**0**	**0**	**0**	–	**0**	–	–	–	**0**	–	–
Total	**151**	**214**	**405**	–	**527**	–	–	–	**527**	–	–
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, September 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	–	**15**	–	–	–	–	–	–	–
Canada	–	15	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	–	–	–	–	–
Total	–	**15**	–	–	–	–	–	–	–
	PAD District 5								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	8	1,655	15	–	46	–	46	28	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	25	15	–	46	–	46	–	–
China	–	322	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	310	–	–	–	–	–	–	–
Korea, South	8	998	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	28	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	**0**	**0**	**0**	–	**0**	–	**0**	**0**	–
Total	**8**	**1,655**	**15**	–	**46**	–	**46**	**28**	–
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, September 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	–	–	**112**	–	–	**464**	**7,702**	**241**	**15**	**257**
Canada	–	–	112	–	–	464	7,702	241	15	257
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**112**	–	–	**464**	**7,702**	**241**	**15**	**257**
	PAD District 5									
OPEC	–	–	–	–	–	**1,027**	**15,898**	**496**	**34**	**530**
Algeria	–	–	–	–	–	980	980	–	33	33
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	6,470	216	–	216
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	1,020	34	–	34
Nigeria	–	–	–	–	–	–	923	31	–	31
Saudi Arabia	–	–	–	–	–	–	4,319	144	–	144
United Arab Emirates	–	–	–	–	–	–	2,139	71	–	71
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	1	–	31	64	–	7,013	34,004	900	234	1,133
Argentina	–	–	–	–	–	–	2,269	76	–	76
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	151	6,846	223	5	228
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	31	3	–	2,320	11,325	300	77	378
China	–	–	–	–	–	322	322	–	11	11
Colombia	–	–	–	–	–	–	1,001	33	–	33
Ecuador	–	–	–	–	–	–	2,996	100	–	100
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	468	468	–	16	16
Korea, South	–	–	–	11	–	2,294	2,294	–	76	76
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	364	2,900	85	12	97
Netherlands	–	–	–	10	–	52	52	–	2	2
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	40	–	40	524	16	1	17
Singapore	–	–	–	–	–	443	443	–	15	15
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	1	–	–	–	–	29	29	–	1	1
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**0**	–	**0**	**0**	–	**530**	**2,535**	**67**	**18**	**83**
Total	**1**	–	**31**	**64**	–	**8,040**	**49,902**	**1,395**	**268**	**1,663**
Persian Gulf[4]	–	–	–	40	–	40	13,452	447	1	448

– – = 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-September 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	**83,288**	**1,028**	**–**	**7,597**	**–**	**203**	**203**	**681**	**10,829**	**11,510**
Algeria	5,997	–	–	2,441	–	–	–	1	2,289	2,290
Angola	5,366	–	–	260	–	128	128	–	1,512	1,512
Congo (Brazzaville)	901	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	759	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	2,933	–	–	4,519	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	1	–
Libya	9,225	–	–	–	–	–	–	–	–	–
Nigeria	43,883	–	–	377	–	75	75	–	725	725
Saudi Arabia	13,829	–	–	–	–	–	–	245	6,102	6,347
United Arab Emirates	–	–	–	–	–	–	–	435	200	635
Venezuela	1,154	–	–	–	–	–	–	–	–	–
Non-OPEC	**76,959**	**5,661**	**2,693**	**12,070**	**–**	**26,145**	**26,145**	**36,787**	**96,651**	**133,438**
Argentina	1,621	–	–	294	–	–	–	–	1,976	1,976
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	4,660	4,660	140	1,807	1,947
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	250	–	3,354	3,354	588	1,495	2,083
Brazil	627	–	–	280	–	–	–	–	3,669	3,669
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	32,138	5,661	2,693	1,718	–	2,920	2,920	18,956	11,100	30,056
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	375	375	–	322	322
Colombia	977	–	–	1,397	–	–	–	–	210	210
Denmark	–	–	–	–	–	2	2	38	84	122
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	439	439	281	2,989	3,270
France	–	–	–	490	–	2,152	2,152	482	3,061	3,543
Germany	–	–	–	9	–	75	75	227	244	471
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	233	233	70	13,981	14,051
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	560	–	366	366	508	8,693	9,201
Korea, South	–	–	–	–	–	–	–	–	129	129
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	133	133	22	1,650	1,672
Malaysia	–	–	–	26	–	–	–	–	192	192
Mexico	18,184	–	–	3,127	–	–	–	–	–	–
Netherlands	–	–	–	1,415	–	4,144	4,144	4,736	12,389	17,125
Norway	2,312	–	–	–	–	2,262	2,262	1,001	6,009	7,010
Oman	–	–	–	–	–	4	4	–	30	30
Portugal	–	–	–	703	–	322	322	45	6,933	6,978
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	579	–	1,811	1,811	37	9,793	9,830
Sweden	–	–	–	–	–	548	548	238	1,442	1,680
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	1,986	–	–	–	–	–	–	–	–	–
United Kingdom	4,907	–	–	300	–	1,365	1,365	9,160	2,407	11,567
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	14,207	0	0	922	–	980	980	258	6,046	6,304
Total	**160,247**	**6,689**	**2,693**	**19,667**	**–**	**26,348**	**26,348**	**37,468**	**107,480**	**144,948**
Persian Gulf[4]	**16,762**	**–**	**–**	**4,519**	**–**	**–**	**–**	**680**	**6,303**	**6,983**

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-September 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	**249**	**3,915**	**173**	**–**	**37,044**	**19**	**131**	**–**	**37,194**	**554**	**141**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	54	–	–	70	–	–	–	70	–	–
Brazil	249	90	–	–	5	–	–	–	5	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	762	–	–	–	762	–	–
Canada	–	767	–	–	29,714	19	–	–	29,733	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	1,085	–	–	–	1,085	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	1	–	–	–	1	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	173	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	1,746	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	488	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	55	–	117	–	172	–	141
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	770	–	–	45	–	–	–	45	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	50	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	–	1,113	0	0	–	1,113	0	0
Total	**249**	**3,915**	**173**	**–**	**38,155**	**19**	**131**	**–**	**38,305**	**554**	**141**
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-September 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	**–**	**6,259**	**–**	**998**	**383**	**723**	**2,104**	**7**	**–**
Algeria	–	–	–	998	257	28	1,283	–	–
Angola	–	35	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	413	413	–	–
Kuwait	–	4,369	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	3	3	–	–
Saudi Arabia	–	1,115	–	–	–	279	279	7	–
United Arab Emirates	–	736	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**6,995**	**78**	**–**	**2,323**	**8,769**	**11,092**	**381**	**36**
Argentina	–	–	–	–	–	–	–	–	31
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	20	129	149	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	65	–	–	301	–	301	–	–
Brazil	–	–	–	–	127	151	278	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	2,721	16	–	254	1,043	1,297	16	5
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	92	–	92	–	–
Colombia	–	98	–	–	58	3,315	3,373	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	14	124	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	2,214	–	–	–	49	49	39	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	166	–	–	–	1	1	130	–
Korea, South	–	1,092	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	136	–	–	–	16	16	–	–
Mexico	–	13	–	–	8	2,072	2,080	–	–
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	205	1,281	1,486	77	0
Total	**–**	**13,254**	**78**	**998**	**2,706**	**9,492**	**13,196**	**388**	**36**
Persian Gulf[4]	**–**	**6,224**	**–**	**–**	**–**	**692**	**692**	**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-September 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**	**–**	**29,965**	**113,253**	**305**	**110**	**415**
Algeria	–	–	–	–	–	6,014	12,011	22	22	44
Angola	–	–	–	–	–	2,204	7,570	20	8	28
Congo (Brazzaville)	–	–	–	–	–	126	1,027	3	0	4
Equatorial Guinea	–	–	–	–	–	759	759	–	3	3
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	4,936	7,869	11	18	29
Kuwait	–	–	–	–	–	4,370	4,370	–	16	16
Libya	–	–	–	–	–	–	9,225	34	–	34
Nigeria	–	–	–	–	–	1,488	45,371	161	5	166
Saudi Arabia	–	–	–	–	–	8,498	22,327	51	31	82
United Arab Emirates	–	–	–	146	–	1,570	1,570	–	6	6
Venezuela	–	–	–	–	–	–	1,154	4	–	4
Non-OPEC	**745**	**3**	**8,264**	**918**	**–**	**250,745**	**327,704**	**282**	**918**	**1,200**
Argentina	–	–	–	–	–	2,301	3,922	6	8	14
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	6,756	6,756	–	25	25
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	19	–	6,196	6,196	–	23	23
Brazil	–	–	–	–	–	4,571	5,198	2	17	19
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	762	762	–	3	3
Canada	648	–	7,350	635	–	86,236	118,374	118	316	434
Chad	–	–	–	–	–	–	–	–	–	–
China	74	–	–	–	–	863	863	–	3	3
Colombia	–	–	72	–	–	6,235	7,212	4	23	26
Denmark	–	–	–	–	–	157	157	–	1	1
Ecuador	–	–	–	–	–	125	125	–	0	0
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	3,901	3,901	–	14	14
France	–	–	–	39	–	6,224	6,224	–	23	23
Germany	–	–	–	90	–	2,444	2,444	–	9	9
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	20,178	20,178	–	74	74
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	31	8	–	10,951	10,951	–	40	40
Korea, South	2	–	–	93	–	1,316	1,316	–	5	5
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	1,805	1,805	–	7	7
Malaysia	1	–	–	–	–	371	371	–	1	1
Mexico	–	–	–	–	–	5,220	23,404	67	19	86
Netherlands	–	–	39	29	–	24,054	24,054	–	88	88
Norway	–	–	–	–	–	9,301	11,613	8	34	43
Oman	–	–	–	–	–	38	38	–	0	0
Portugal	–	–	–	–	–	8,158	8,158	–	30	30
Qatar	–	–	–	–	–	1,106	1,106	–	4	4
Russia	–	–	–	–	–	–	–	–	–	–
Spain	6	–	43	–	–	13,120	13,120	–	48	48
Sweden	–	–	–	2	–	2,230	2,230	–	8	8
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	1,986	7	–	7
United Kingdom	–	–	–	–	–	13,958	18,865	18	51	69
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	14	3	729	3	–	12,168	26,375	52	44	96
Total	**745**	**3**	**8,264**	**1,064**	**–**	**280,710**	**440,957**	**587**	**1,028**	**1,615**
Persian Gulf[4]	**–**	**–**	**–**	**146**	**–**	**20,480**	**37,242**	**61**	**75**	**136**

– – = 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-September 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	**760,517**	**14,893**	**2,294**	**19**	**–**	**1**	**1**	**–**	**4,109**	**4,109**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	760,517	14,893	2,294	19	–	1	1	–	4,109	4,109
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	0	–	0	0	–	0	0
Total	**760,517**	**14,893**	**2,294**	**19**	**–**	**1**	**1**	**–**	**4,109**	**4,109**
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-September 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	–	**786**	–	–	**2,388**	**33**	**64**	–	**2,485**	**20**	**35**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	786	–	–	2,388	33	64	–	2,485	20	35
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	–	**786**	–	–	**2,388**	**33**	**64**	–	**2,485**	**20**	**35**
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-September 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	–	–	**119**	–	**66**	**652**	**718**	**811**	**637**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	119	–	66	652	718	811	637
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	–	–	**119**	–	**66**	**652**	**718**	**811**	**637**
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-September 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	**144**	**131**	**5,753**	**2,074**	**–**	**35,029**	**795,546**	**2,786**	**128**	**2,914**
Argentina	–	–	–	1	–	1	1	–	0	0
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	11	–	11	11	–	0	0
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	136	129	5,753	2,047	–	34,992	795,509	2,786	128	2,914
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	12	–	12	12	–	0	0
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–	–
Sweden	–	2	–	1	–	3	3	–	0	0
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	1	–	1	1	–	0	0
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	8	0	0	1	–	9	9	0	0	0
Total	**144**	**131**	**5,753**	**2,074**	**–**	**35,029**	**795,546**	**2,786**	**128**	**2,914**
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-September 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	**91,316**	**–**	**–**	**45,541**	**–**	**34**	**34**	**130**	**1,220**	**1,350**
Algeria	–	–	–	1,492	–	–	–	–	652	652
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	99	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	977	–	–	–	–	–	–	–	–	–
Iraq	4,826	–	–	26,762	–	–	–	–	–	–
Kuwait	6,371	–	–	807	–	–	–	–	69	69
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	186	186
Saudi Arabia	46,199	–	–	15,707	–	–	–	–	286	286
United Arab Emirates	–	–	–	674	–	34	34	130	27	157
Venezuela	32,943	–	–	–	–	–	–	–	–	–
Non-OPEC	**339,456**	**9**	**–**	**69,059**	**–**	**777**	**777**	**162**	**11,765**	**11,927**
Argentina	–	–	–	–	–	25	25	–	149	149
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	50	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2,702	–	219	219	–	357	357
Brazil	7,438	–	–	8,553	–	332	332	–	467	467
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	105,133	9	–	2,169	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	156	156	–	169	169
Colombia	40,182	–	–	37	–	–	–	–	50	50
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	2,393	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	93	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	61	61
Guatemala	560	–	–	–	–	–	–	–	–	–
India	–	–	–	2,217	–	–	–	162	3,524	3,686
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	625	–	–	–	–	291	291
Korea, South	–	–	–	–	–	–	–	–	2,348	2,348
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	311	311
Malaysia	–	–	–	4,689	–	–	–	–	–	–
Mexico	172,740	–	–	34,201	–	–	–	–	445	445
Netherlands	383	–	–	715	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	645	–	–	–	–	763	763
Portugal	–	–	–	217	–	–	–	–	278	278
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	1,387	–	–	–	–	306	306
Sweden	–	–	–	199	–	40	40	–	50	50
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	5,469	–	–	–	–	–	–	–	–	–
United Kingdom	6,434	–	–	408	–	5	5	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	500	0	–	7,712	–	0	0	0	2,196	2,196
Total	**430,772**	**9**	**–**	**114,600**	**–**	**811**	**811**	**292**	**12,985**	**13,277**
Persian Gulf[4]	**58,373**	**–**	**–**	**43,950**	**–**	**34**	**34**	**130**	**382**	**512**

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-September 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	–	**2,436**	**53**	**57**	**886**	–	–	–	**886**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	51	–	–	105	–	–	–	105	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	481	–	–	–	481	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	53	52	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	1,547	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	292	–	–	–	–	–	–	–	–	–
Korea, South	–	64	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	37	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	445	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	5	0	–	–	–	0	–	–
Total	–	**2,436**	**53**	**57**	**886**	–	–	–	**886**	–	–
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-September 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	**–**	**–**	**–**	**380**	**3**	**768**	**1,151**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	3	–	3	–	–
Congo (Brazzaville)	–	–	–	380	–	–	380	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	162	162	–	–
Kuwait	–	–	–	–	–	606	606	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**25**	**4,365**	**65**	**2,541**	**10,356**	**12,962**	**1,902**	**900**
Argentina	–	25	–	–	179	–	179	–	126
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	35	–	–	–	–	–	–
Brazil	–	–	63	–	390	1,288	1,678	–	20
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	788	65	–	146	211	–	47
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	49	–	–	–	–	–	175
Germany	–	–	28	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	49	49	136	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	3,142	–	–	–	–	709	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	418	418	–	–
Mexico	–	–	–	–	–	7,966	7,966	368	532
Netherlands	–	–	223	–	–	–	–	–	–
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	1,972	489	2,461	604	0
Total	**–**	**25**	**4,365**	**445**	**2,544**	**11,124**	**14,113**	**1,902**	**900**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**768**	**768**	**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-September 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**	**–**	**1,062**	**–**	**49,272**	**140,588**	**334**	**180**	**515**
Algeria	–	–	–	–	–	2,144	2,144	–	8	8
Angola	–	–	–	–	–	3	3	–	0	0
Congo (Brazzaville)	–	–	–	–	–	479	479	–	2	2
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	977	4	–	4
Iraq	–	–	–	–	–	26,924	31,750	18	99	116
Kuwait	–	–	–	–	–	1,482	7,853	23	5	29
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	186	186	–	1	1
Saudi Arabia	–	–	–	35	–	16,028	62,227	169	59	228
United Arab Emirates	–	134	–	1,027	–	2,026	2,026	–	7	7
Venezuela	–	–	–	–	–	–	32,943	121	–	121
Non-OPEC	**93**	**1,986**	**–**	**7,649**	**–**	**115,101**	**454,557**	**1,243**	**422**	**1,665**
Argentina	–	650	–	5	–	1,159	1,159	–	4	4
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	50	50	–	0	0
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	622	–	622	622	–	2	2
Belgium	–	–	–	10	–	3,323	3,323	–	12	12
Brazil	–	414	–	–	–	11,683	19,121	27	43	70
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	617	2	–	2
Canada	–	–	–	–	–	3,224	108,357	385	12	397
Chad	–	–	–	–	–	–	–	–	–	–
China	24	–	–	–	–	349	349	–	1	1
Colombia	–	308	–	–	–	876	41,058	147	3	150
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	2,393	2,393	–	9	9
Egypt	–	–	–	–	–	47	47	–	0	0
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	105	105	–	0	0
France	–	–	–	20	–	337	337	–	1	1
Germany	–	–	–	27	–	1,663	1,663	–	6	6
Guatemala	–	–	–	–	–	–	560	2	–	2
India	–	–	–	–	–	6,088	6,088	–	22	22
Indonesia	–	–	–	722	–	722	722	–	3	3
Italy	–	–	–	52	–	1,260	1,260	–	5	5
Korea, South	–	–	–	2,593	–	8,856	8,856	–	32	32
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	311	311	–	1	1
Malaysia	28	–	–	–	–	5,135	5,135	–	19	19
Mexico	–	–	–	–	–	43,812	216,552	633	160	793
Netherlands	–	140	–	376	–	1,491	1,874	1	5	7
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	132	–	–	–	1,540	1,540	–	6	6
Portugal	–	–	–	–	–	495	495	–	2	2
Qatar	–	–	–	3,012	–	3,067	3,067	–	11	11
Russia	–	–	–	–	–	–	–	–	–	–
Spain	1	–	–	203	–	2,342	2,342	–	9	9
Sweden	–	–	–	1	–	290	290	–	1	1
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	5,469	20	–	20
United Kingdom	24	25	–	–	–	492	6,926	24	2	25
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	16	317	–	6	–	13,369	13,869	2	51	53
Total	**93**	**2,120**	**–**	**8,711**	**–**	**164,373**	**595,145**	**1,578**	**602**	**2,180**
Persian Gulf[4]	**–**	**134**	**–**	**4,696**	**–**	**50,149**	**108,522**	**214**	**184**	**398**

– – = 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-September 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	**68,806**	**4,611**	**1**	**–**	**–**	**–**	**–**	**–**	**536**	**536**
Canada	68,806	4,611	1	–	–	–	–	–	536	536
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	–	–	–	–	–	0	0
Total	**68,806**	**4,611**	**1**	**–**	**–**	**–**	**–**	**–**	**536**	**536**
	PAD District 5									
OPEC	**121,366**	**490**	**–**	**7,974**	**–**	**–**	**–**	**–**	**464**	**464**
Algeria	–	–	–	7,050	–	–	–	–	–	–
Angola	4,535	103	–	–	–	–	–	–	–	–
Congo (Brazzaville)	1,988	–	–	–	–	–	–	–	–	–
Equatorial Guinea	1,029	387	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	54,255	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	9,365	–	–	–	–	–	–	–	–	–
Nigeria	2,788	–	–	–	–	–	–	–	–	–
Saudi Arabia	44,833	–	–	924	–	–	–	–	–	–
United Arab Emirates	3,567	–	–	–	–	–	–	–	464	464
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	225,630	13,123	–	7,134	–	6,303	6,303	777	9,469	10,246
Argentina	11,602	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	339	–	–	–	–	–	–	–	–	–
Brazil	37,494	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	80,181	12,955	–	1,569	–	541	541	–	499	499
China	–	–	–	–	–	323	323	–	–	–
Colombia	14,234	–	–	–	–	–	–	–	–	–
Ecuador	38,727	–	–	624	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	21	21
Indonesia	–	–	–	134	–	–	–	–	–	–
Japan	–	–	–	46	–	214	214	–	573	573
Korea, South	–	–	–	–	–	3,892	3,892	–	2,826	2,826
Malaysia	–	–	–	131	–	–	–	–	77	77
Mexico	8,839	–	–	1,793	–	–	–	–	–	–
Netherlands	–	–	–	2	–	–	–	458	338	796
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	1,001	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	87	–	–	–	–	455	455
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	1,558	1,558
United Kingdom	–	–	–	–	–	–	–	–	402	402
Vietnam	285	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**32,928**	**168**	**–**	**2,748**	**–**	**1,333**	**1,333**	**319**	**2,720**	**3,039**
Total	**346,996**	**13,613**	**–**	**15,108**	**–**	**6,303**	**6,303**	**777**	**9,933**	**10,710**
Persian Gulf[4]	103,656	–	–	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-September 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	–	**100**	–	–	**545**	–	–	–	**545**	–	**1**
Canada	–	100	–	–	545	–	–	–	545	–	1
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	0
Total	–	**100**	–	–	**545**	–	–	–	**545**	–	**1**
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	400	1,405	6,180	7	4,915	–	4	–	4,919	–	14
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	400	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	812	–	7	3,537	–	4	–	3,541	–	14
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	256	–	–	–	256	–	–
Korea, South	–	593	–	–	1,073	–	–	–	1,073	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	149	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	6,031	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	49	–	–	–	49	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	**0**	**0**	**0**	**0**	**0**	–	**0**	–	**0**	–	**0**
Total	**400**	**1,405**	**6,180**	**7**	**4,915**	–	**4**	–	**4,919**	–	**14**
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-September 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	–	**264**	**1**	**11**	**4**	–	**15**	–	–
Canada	–	264	1	11	4	–	15	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	0	–	0	–	–
Total	–	**264**	**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	8	23,143	252	858	1,904	75	2,837	206	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	305	137	–	442	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	277	178	–	506	75	581	–	–
China	–	1,864	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	22	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	2,689	–	194	96	–	290	–	–
Korea, South	8	15,570	–	–	–	–	–	–	–
Malaysia	–	–	–	119	–	–	119	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	45	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	475	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	304	–	–	–	–	–	206	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	**0**	**1,964**	**7**	**240**	**1,165**	**0**	**1,405**	**0**	–
Total	**8**	**23,143**	**252**	**858**	**2,102**	**75**	**3,035**	**206**	–
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-September 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	–	–	**723**	–	–	**6,797**	**75,603**	**252**	**25**	**277**
Canada	–	–	723	–	–	6,797	75,603	252	25	277
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**723**	–	–	**6,797**	**75,603**	**252**	**25**	**277**
	PAD District 5									
OPEC	–	–	–	–	–	**9,126**	**130,492**	**445**	**33**	**478**
Algeria	–	–	–	–	–	7,050	7,050	–	26	26
Angola	–	–	–	–	–	103	4,638	17	0	17
Congo (Brazzaville)	–	–	–	–	–	–	1,988	8	–	8
Equatorial Guinea	–	–	–	–	–	–	–	4	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	54,255	199	–	199
Kuwait	–	–	–	–	–	95	95	–	0	0
Libya	–	–	–	–	–	–	9,365	34	–	34
Nigeria	–	–	–	–	–	–	2,788	10	–	10
Saudi Arabia	–	–	–	–	–	924	45,757	164	3	168
United Arab Emirates	–	–	–	–	–	567	4,134	13	2	15
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	113	–	725	330	–	77,345	302,975	826	283	1,110
Argentina	–	–	–	–	–	–	11,602	42	–	42
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	442	781	1	2	3
Brazil	–	–	–	–	–	400	37,894	137	1	139
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	515	39	–	21,528	101,709	294	79	373
China	37	–	–	–	–	2,224	2,224	–	8	8
Colombia	–	–	–	–	–	–	14,234	52	–	52
Ecuador	–	–	–	–	–	624	39,351	142	2	144
Finland	–	–	–	50	–	50	50	–	0	0
Germany	–	–	–	–	–	43	43	–	0	0
Indonesia	–	–	–	–	–	134	134	–	0	0
Japan	–	–	–	–	–	4,068	4,068	–	15	15
Korea, South	–	–	31	51	–	24,044	24,044	–	88	88
Malaysia	–	–	–	–	–	327	327	–	1	1
Mexico	–	–	–	–	–	1,793	10,632	32	7	39
Netherlands	–	–	–	23	–	1,015	1,015	–	4	4
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	167	–	167	1,168	4	1	4
Singapore	–	–	–	–	–	7,048	7,048	–	26	26
Sweden	–	–	–	–	–	49	49	–	0	0
Taiwan	76	–	–	–	–	2,144	2,144	–	8	8
United Kingdom	–	–	–	–	–	402	402	–	1	1
Vietnam	–	–	–	–	–	–	285	1	–	1
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	**0**	–	**179**	**0**	–	**10,843**	**43,771**	**121**	**40**	**162**
Total	**113**	–	**725**	**330**	–	**86,471**	**433,467**	**1,271**	**317**	**1,588**
Persian Gulf[4]	–	–	–	167	–	1,753	105,409	380	6	386

– – = 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, September 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**1**	**4,993**	**119,724**	**–**	**–**	**124,717**	**4,157**
Hydrocarbon Gas Liquids	**10,240**	**3,295**	**65,455**	**3**	**1,461**	**80,453**	**2,682**
Natural Gas Liquids	10,240	3,295	65,455	3	1,461	80,453	2,682
Ethane	2,472	1,724	10,917	–	–	15,114	504
Propane	5,946	124	41,213	2	928	48,213	1,607
Normal Butane	1,786	58	13,272	1	528	15,643	521
Isobutane	1	4	4	–	4	12	0
Natural Gasoline	35	1,385	49	0	1	1,471	49
Other Liquids	**276**	**3,898**	**10,554**	**132**	**604**	**15,465**	**516**
Hydrogen/Biofuels/Other Hydrocarbons	251	1,215	1,502	61	296	3,326	111
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	251	1,215	1,502	61	296	3,326	111
Fuel Ethanol	248	976	1,462	60	170	2,916	97
Biodiesel	3	239	40	2	127	410	14
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	19	2,477	7,454	61	150	10,161	339
Naphthas and Lighter	6	2,257	7,300	0	0	9,564	319
Kerosene and Light Gas Oils	13	220	154	61	149	597	20
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	5	206	1,598	10	158	1,978	66
Reformulated	0	–	1	–	1	3	0
Conventional	5	206	1,597	10	157	1,976	66
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**1,947**	**847**	**69,931**	**17**	**8,417**	**81,159**	**2,705**
Finished Motor Gasoline	43	147	22,093	1	751	23,035	768
Reformulated	–	–	–	–	–	–	–
Conventional	43	147	22,093	1	751	23,035	768
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	9	83	3,296	–	765	4,154	138
Kerosene	4	0	23	–	127	154	5
Distillate Fuel Oil	975	62	27,886	–	2,438	31,361	1,045
15 ppm sulfur and under	954	1	23,699	–	2,391	27,046	902
Greater than 15 ppm to 500 ppm sulfur	20	4	2,184	–	29	2,238	75
Greater than 500 ppm sulfur	–	57	2,003	–	18	2,078	69
Residual Fuel Oil	8	1	2,375	–	1,141	3,526	118
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	130	–	1,123	–	50	1,303	43
Special Naphthas	–	–	–	–	–	–	–
Lubricants	180	194	2,973	14	92	3,454	115
Waxes	91	21	22	0	3	137	5
Petroleum Coke	434	216	9,587	0	3,020	13,257	442
Asphalt and Road Oil	60	121	518	2	30	731	24
Miscellaneous Products	12	1	34	–	0	47	2
Total	**12,464**	**13,032**	**265,663**	**153**	**10,482**	**301,794**	**10,060**

– – = 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-September 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**1,442**	**26,356**	**1,063,316**	**–**	**3,113**	**1,094,227**	**4,008**
Hydrocarbon Gas Liquids	**80,085**	**46,331**	**564,410**	**67**	**15,871**	**706,765**	**2,589**
Natural Gas Liquids	80,085	46,331	564,410	67	15,871	706,765	2,589
Ethane	20,181	19,277	95,480	1	1	134,940	494
Propane	42,511	1,243	365,117	18	8,825	417,714	1,530
Normal Butane	17,020	1,140	101,351	5	6,917	126,433	463
Isobutane	7	16	932	–	19	975	4
Natural Gasoline	366	24,655	1,531	44	109	26,704	98
Other Liquids	**2,296**	**33,447**	**87,569**	**725**	**5,683**	**129,720**	**475**
Hydrogen/Biofuels/Other Hydrocarbons	1,342	10,810	14,502	505	2,472	29,631	109
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	1,342	10,810	14,502	505	2,472	29,631	109
Fuel Ethanol	1,311	8,391	13,113	383	1,655	24,853	91
Biodiesel	31	2,420	1,389	122	816	4,778	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	504	21,566	56,302	206	1,579	80,158	294
Naphthas and Lighter	164	20,654	52,951	0	332	74,101	271
Kerosene and Light Gas Oils	340	912	3,351	206	1,248	6,057	22
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	449	1,070	16,765	14	1,632	19,931	73
Reformulated	3	–	248	–	7	258	1
Conventional	446	1,070	16,517	14	1,625	19,672	72
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**17,052**	**7,812**	**692,769**	**162**	**79,982**	**797,776**	**2,922**
Finished Motor Gasoline	891	1,991	204,541	8	8,054	215,485	789
Reformulated	–	–	–	–	–	–	–
Conventional	891	1,991	204,541	8	8,054	215,485	789
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	1,299	429	37,342	0	6,340	45,410	166
Kerosene	36	6	947	–	129	1,117	4
Distillate Fuel Oil	5,409	572	265,269	0	26,160	297,410	1,089
15 ppm sulfur and under	4,344	19	227,331	0	23,178	254,872	934
Greater than 15 ppm to 500 ppm sulfur	659	51	24,426	–	635	25,771	94
Greater than 500 ppm sulfur	406	501	13,511	–	2,347	16,766	61
Residual Fuel Oil	1,833	51	28,598	–	5,406	35,888	131
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	285	–	7,818	–	1,115	9,218	34
Special Naphthas	–	–	–	–	–	–	–
Lubricants	1,959	1,706	24,192	136	2,070	30,063	110
Waxes	653	270	186	2	38	1,149	4
Petroleum Coke	3,861	2,083	119,813	0	30,410	156,168	572
Asphalt and Road Oil	694	695	3,560	15	258	5,223	19
Miscellaneous Products	132	9	504	0	1	646	2
Total	**100,874**	**113,946**	**2,408,064**	**954**	**104,649**	**2,728,488**	**9,994**

– – = 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, September 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	–	1	–	–	–	–	–	–	–	–
Australia	972	633	–	1	–	0	0	0	0	1
Bahamas	–	56	–	165	–	51	51	–	0	0
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	2,794	–	7	–	–	–	–	–	–
Belize	–	–	–	–	–	43	43	–	–	–
Brazil	1,578	79	–	1,040	–	610	610	–	–	–
Canada	10,117	3,388	–	2,678	–	184	184	–	338	338
Cayman Islands	–	9	–	–	–	29	29	–	–	–
Chile	–	1,483	–	5	–	486	486	–	1	1
China	16,863	12,810	–	22	–	–	–	–	–	–
Colombia	1,159	121	–	1,916	–	1,958	1,958	–	–	–
Costa Rica	–	267	–	9	–	0	0	0	–	0
Denmark	725	–	–	–	–	–	–	–	–	–
Dominican Republic	550	1,004	–	1	–	85	85	–	0	0
Ecuador	–	1,072	–	1	–	–	–	–	300	300
Egypt	–	1,776	–	0	–	–	–	–	–	–
El Salvador	–	385	–	0	–	532	532	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	3,372	1,762	–	–	–	–	–	–	–	–
Germany	3,869	4	–	2	–	–	–	–	0	0
Ghana	–	860	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	0	0	0	–	0
Guatemala	–	200	–	5	–	1,801	1,801	–	–	–
Honduras	–	362	–	9	–	429	429	–	–	–
Hong Kong	–	–	–	0	–	–	–	–	–	–
India	4,687	2,868	–	457	–	–	–	–	–	–
Indonesia	616	3,175	–	–	–	–	–	–	–	–
Ireland	614	–	–	–	–	0	0	1	–	1
Israel	–	–	–	–	–	–	–	–	–	–
Italy	6,858	409	–	0	–	–	–	–	–	–
Jamaica	–	24	–	0	–	115	115	–	–	–
Japan	2,049	16,663	–	651	–	1	1	1	–	1
Korea, South	16,329	3,952	–	328	–	1	1	–	0	0
Lebanon	–	–	–	–	–	–	–	–	–	–
Mexico	–	5,769	–	701	–	14,620	14,620	–	1,107	1,107
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	1,874	–	–	–	–	–	–	–	–
Mozambique	–	–	–	–	–	–	–	–	–	–
Netherlands	17,697	3,414	–	1,221	–	–	–	–	–	–
New Zealand	–	–	–	–	–	–	–	–	–	–
Nicaragua	273	–	–	–	–	96	96	–	–	–
Nigeria	–	230	–	–	–	–	–	–	–	–
Norway	600	1,690	–	0	–	–	–	–	–	–
Pakistan	–	–	–	–	–	–	–	–	–	–
Panama	1,049	276	–	0	–	741	741	–	35	35
Peru	1,773	711	–	7	–	1,053	1,053	–	–	–
Philippines	–	0	–	0	–	–	–	–	–	–
Portugal	–	33	–	–	–	–	–	–	–	–
Puerto Rico	–	5	–	0	–	2	2	–	0	0
Romania	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	2	–	1	1	0	–	0
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	8,113	2,066	–	1	–	–	–	–	0	0
South Africa	1,721	214	–	–	–	–	–	–	–	–
Spain	6,889	1,694	–	19	–	–	–	–	–	–
Switzerland	–	–	–	1	–	–	–	–	–	–
Taiwan	3,999	–	–	445	–	0	0	0	–	0
Thailand	4,054	–	–	0	–	–	–	–	–	–
Trinidad and Tobago	–	0	–	0	–	179	179	–	0	0
Turkiye	–	1,604	–	0	–	–	–	–	–	–
United Arab Emirates	–	–	–	0	–	1	1	–	–	–
United Kingdom	4,602	1,028	–	0	–	1	1	0	–	0
Venezuela	–	0	–	–	–	0	0	0	0	0
Other	3,589	3,688	–	467	–	16	16	1	195	194
Total	**124,717**	**80,453**	**–**	**10,161**	**–**	**23,035**	**23,035**	**3**	**1,976**	**1,978**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 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	–	–	NA	NA	806	–	–	–	806	–	–
Australia	0	–	NA	NA	0	–	–	–	0	0	–
Bahamas	–	–	NA	NA	259	–	402	–	661	–	–
Bahrain	–	–	NA	NA	–	–	–	–	–	–	–
Belgium	0	–	NA	NA	–	–	–	–	–	–	–
Belize	–	–	NA	NA	36	–	–	–	36	–	–
Brazil	0	–	NA	NA	1,554	214	–	–	1,767	–	–
Canada	1,441	367	NA	NA	1	263	74	–	339	130	–
Cayman Islands	–	–	NA	NA	44	–	–	–	44	–	–
Chile	0	–	NA	NA	2,458	–	–	–	2,458	–	–
China	0	–	NA	NA	1	–	–	–	1	–	–
Colombia	197	–	NA	NA	629	–	–	–	629	–	–
Costa Rica	0	–	NA	NA	478	–	–	–	478	0	–
Denmark	–	–	NA	NA	0	–	–	–	0	–	–
Dominican Republic	2	–	NA	NA	401	–	373	–	774	0	–
Ecuador	0	–	NA	NA	2,290	–	–	–	2,290	–	–
Egypt	–	–	NA	NA	–	–	–	–	–	–	–
El Salvador	0	–	NA	NA	–	295	–	–	295	–	–
Finland	–	–	NA	NA	–	–	–	–	–	–	–
France	0	–	NA	NA	609	–	–	–	609	–	–
Germany	0	1	NA	NA	–	–	–	–	–	0	–
Ghana	–	–	NA	NA	–	–	–	–	–	–	–
Gibraltar	–	–	NA	NA	–	–	–	–	–	–	–
Greece	0	–	NA	NA	–	–	–	–	–	–	–
Guatemala	–	–	NA	NA	84	802	–	–	886	0	–
Honduras	–	–	NA	NA	362	439	–	–	801	0	–
Hong Kong	–	–	NA	NA	–	–	–	–	–	–	–
India	0	–	NA	NA	0	–	–	–	0	–	–
Indonesia	0	–	NA	NA	0	–	–	–	0	–	–
Ireland	1	–	NA	NA	–	–	–	–	–	–	–
Israel	1	–	NA	NA	–	–	–	–	–	0	–
Italy	1	1	NA	NA	–	–	–	–	–	–	–
Jamaica	76	–	NA	NA	–	–	–	–	–	–	–
Japan	0	–	NA	NA	0	–	–	–	0	–	–
Korea, South	122	–	NA	NA	0	–	–	–	0	0	–
Lebanon	–	–	NA	NA	–	–	–	–	–	–	–
Mexico	132	0	NA	NA	9,173	1	2	–	9,176	2	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	1	–	–	–	1	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	130	–	NA	NA	372	–	–	–	372	–	–
New Zealand	–	–	NA	NA	–	–	–	–	–	–	–
Nicaragua	0	–	NA	NA	123	113	–	–	235	20	–
Nigeria	0	–	NA	NA	–	–	–	–	–	–	–
Norway	34	–	NA	NA	–	–	–	–	–	–	–
Pakistan	–	–	NA	NA	2	–	–	–	2	–	–
Panama	–	–	NA	NA	2,805	111	302	–	3,218	–	–
Peru	72	40	NA	NA	2,175	–	–	–	2,175	0	–
Philippines	56	–	NA	NA	–	–	–	–	–	–	–
Portugal	–	–	NA	NA	–	–	–	–	–	–	–
Puerto Rico	5	–	NA	NA	135	–	–	–	135	–	–
Romania	–	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	0	–	NA	NA	–	–	–	–	–	–	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	19	–	NA	NA	–	–	–	–	–	–	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	–	–	NA	NA	–	–	–	–	–	–	–
Switzerland	1	–	NA	NA	–	–	–	–	–	–	–
Taiwan	1	–	NA	NA	1	–	–	–	1	–	–
Thailand	0	–	NA	NA	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	NA	NA	272	–	–	–	272	–	–
Turkiye	–	–	NA	NA	–	–	–	–	–	–	–
United Arab Emirates	114	–	NA	NA	0	–	–	–	0	1	–
United Kingdom	325	–	NA	NA	1,303	–	–	–	1,303	–	–
Venezuela	0	–	NA	NA	1	–	–	–	1	–	–
Other	186	1	NA	NA	671	–	925	–	1,596	1	–
Total	**2,916**	**410**	NA	NA	**27,046**	**2,238**	**2,078**	**–**	**31,361**	**154**	**–**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 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	–	94	–	0	–	58	0	–
Australia	–	–	–	–	–	–	1	155
Bahamas	–	55	–	821	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	0	0
Belize	–	15	–	–	–	–	0	–
Brazil	–	–	–	0	–	–	4	1,260
Canada	–	856	–	838	–	–	101	768
Cayman Islands	–	6	–	–	–	–	–	–
Chile	–	1	–	0	–	–	0	0
China	–	–	–	2	–	–	2	1,942
Colombia	–	–	–	0	–	–	0	–
Costa Rica	–	133	–	–	–	–	0	–
Denmark	–	–	–	–	–	–	–	–
Dominican Republic	–	243	–	193	–	–	0	335
Ecuador	–	–	–	–	–	–	0	–
Egypt	–	–	–	–	–	–	–	–
El Salvador	–	151	–	–	–	–	0	–
Finland	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	0	–
Germany	–	–	–	0	–	–	5	–
Ghana	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	–
Guatemala	–	70	–	–	–	–	0	272
Honduras	–	41	–	–	–	–	–	–
Hong Kong	–	–	–	–	–	–	0	–
India	–	–	–	0	–	615	1	2,134
Indonesia	–	–	–	–	–	–	0	–
Ireland	–	–	–	–	–	–	–	341
Israel	–	333	–	–	–	–	–	0
Italy	–	–	–	–	–	63	–	631
Jamaica	–	75	–	–	–	–	–	–
Japan	–	1	–	0	–	–	0	956
Korea, South	–	–	–	269	–	–	0	239
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	1,299	–	425	–	87	15	1,409
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	–	482
Mozambique	–	–	–	–	–	–	–	74
Netherlands	–	–	–	210	–	–	3	380
New Zealand	–	–	–	–	–	–	0	–
Nicaragua	–	0	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	108
Pakistan	–	–	–	–	–	–	–	–
Panama	–	426	–	689	–	50	–	–
Peru	–	223	–	–	–	–	0	–
Philippines	–	–	–	–	–	–	0	0
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	–	1	–	–	–	–	0	–
Romania	–	–	–	–	–	–	–	–
Saudi Arabia	–	1	–	–	–	–	0	1
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	0	–
South Africa	–	–	–	–	–	–	0	76
Spain	–	–	–	–	–	–	0	297
Switzerland	–	–	–	–	–	–	0	–
Taiwan	–	–	–	0	–	–	0	–
Thailand	–	–	–	–	–	430	0	–
Trinidad and Tobago	–	0	–	–	–	–	–	–
Turkiye	–	–	–	–	–	–	0	532
United Arab Emirates	–	–	–	–	–	–	–	138
United Kingdom	–	–	–	–	–	–	1	0
Venezuela	–	–	–	–	–	–	–	–
Other	–	130	–	79	–	–	4	727
Total	**–**	**4,154**	**–**	**3,526**	**–**	**1,303**	**137**	**13,257**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 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	38	23	–	1,020	1,020	–	34	34
Australia	0	3	0	795	1,767	32	26	59
Bahamas	3	4	–	1,817	1,817	–	61	61
Bahrain	–	0	–	0	0	–	0	0
Belgium	151	230	0	3,182	3,182	–	106	106
Belize	–	1	–	95	95	–	3	3
Brazil	–	434	1	5,196	6,774	53	173	226
Canada	183	293	3	11,907	22,024	337	397	734
Cayman Islands	1	2	–	92	92	–	3	3
Chile	137	79	0	4,650	4,650	–	155	155
China	8	8	1	14,795	31,658	562	493	1,055
Colombia	0	86	0	4,908	6,067	39	164	202
Costa Rica	0	17	0	905	905	–	30	30
Denmark	–	–	–	0	725	24	0	24
Dominican Republic	53	24	–	2,713	3,263	18	90	109
Ecuador	–	120	9	3,792	3,792	–	126	126
Egypt	–	0	–	1,776	1,776	–	59	59
El Salvador	–	50	–	1,414	1,414	–	47	47
Finland	–	1	–	1	1	–	0	0
France	–	68	–	2,439	5,811	112	81	194
Germany	3	2	0	17	3,886	129	1	130
Ghana	–	0	–	860	860	–	29	29
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	0	–	0	0	–	0	0
Guatemala	–	17	–	3,252	3,252	–	108	108
Honduras	–	11	–	1,653	1,653	–	55	55
Hong Kong	–	0	0	1	1	–	0	0
India	0	153	0	6,230	10,917	156	208	364
Indonesia	1	3	–	3,179	3,795	21	106	127
Ireland	–	–	0	342	957	20	11	32
Israel	–	2	–	337	337	–	11	11
Italy	–	0	–	1,106	7,964	229	37	265
Jamaica	19	5	0	315	315	–	11	11
Japan	0	11	4	18,288	20,338	68	610	678
Korea, South	0	7	1	4,919	21,247	544	164	708
Lebanon	–	0	–	0	0	–	0	0
Mexico	107	1,357	20	36,226	36,226	–	1,208	1,208
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	0	–	2,357	2,357	–	79	79
Mozambique	–	0	–	74	74	–	2	2
Netherlands	1	1	0	5,732	23,429	590	191	781
New Zealand	0	1	–	1	1	–	0	0
Nicaragua	–	4	–	355	628	9	12	21
Nigeria	–	98	–	328	328	–	11	11
Norway	–	0	–	1,833	2,433	20	61	81
Pakistan	–	–	–	2	2	–	0	0
Panama	–	27	–	5,463	6,513	35	182	217
Peru	0	115	5	4,401	6,174	59	147	206
Philippines	–	0	0	57	57	–	2	2
Portugal	–	–	–	33	33	–	1	1
Puerto Rico	0	14	–	162	162	–	5	5
Romania	–	1	–	1	1	–	0	0
Saudi Arabia	0	3	–	7	7	–	0	0
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	2	–	2,088	10,201	270	70	340
South Africa	0	1	–	291	2,012	57	10	67
Spain	–	0	–	2,010	8,899	230	67	297
Switzerland	–	0	–	2	2	–	0	0
Taiwan	–	4	0	451	4,450	133	15	148
Thailand	1	4	0	435	4,489	135	15	150
Trinidad and Tobago	0	4	–	456	456	–	15	15
Turkiye	0	112	0	2,249	2,249	–	75	75
United Arab Emirates	1	3	–	257	257	–	9	9
United Kingdom	–	1	–	2,658	7,261	153	89	242
Venezuela	–	9	–	11	11	–	0	0
Other	24	39	3	7,141	10,727	122	238	358
Total	**731**	**3,454**	**47**	**177,077**	**301,794**	**4,157**	**5,903**	**10,060**

– – = 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-September 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	–	1	–	264	–	893	893	–	–	–
Australia	7,900	2,977	–	16	–	1	1	2	0	3
Bahamas	–	439	–	1,874	–	3,607	3,607	–	1,848	1,848
Bahrain	–	0	–	0	–	1	1	0	0	0
Belgium	–	17,020	–	4,961	–	0	0	–	–	–
Belize	–	266	–	–	–	603	603	–	–	–
Brazil	14,732	8,526	–	8,059	–	2,903	2,903	0	0	0
Canada	92,820	47,398	–	22,495	–	4,937	4,937	–	6,989	6,989
Cayman Islands	–	27	–	–	–	151	151	0	0	0
Chile	1,419	12,181	–	680	–	6,154	6,154	1	1	2
China	129,822	119,987	–	397	–	–	–	–	0	0
Colombia	8,386	665	–	8,657	–	8,336	8,336	0	–	0
Costa Rica	–	1,268	–	67	–	5,876	5,876	0	0	1
Denmark	12,913	–	–	56	–	–	–	0	–	0
Dominican Republic	6,105	10,331	–	278	–	4,832	4,832	1	51	51
Ecuador	–	9,614	–	628	–	7,257	7,257	–	302	302
Egypt	–	12,952	–	1	–	–	–	–	–	–
El Salvador	–	2,756	–	1	–	4,157	4,157	–	1	1
Finland	5,364	3,530	–	1	–	–	–	–	–	–
France	38,782	8,371	–	1,080	–	0	0	–	–	–
Germany	25,108	293	–	362	–	–	–	–	0	0
Ghana	–	1,940	–	0	–	–	–	–	–	–
Gibraltar	–	2,072	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	1	1	0	–	0
Guatemala	–	3,126	–	30	–	15,240	15,240	0	0	0
Honduras	–	5,316	–	32	–	4,956	4,956	–	1	1
Hong Kong	–	–	–	4	–	1	1	–	–	–
India	49,724	27,776	–	498	–	–	–	–	–	–
Indonesia	4,977	22,506	–	2	–	–	–	–	–	–
Ireland	10,854	–	–	0	–	0	0	1	–	1
Israel	746	1	–	3	–	0	0	–	–	–
Italy	48,473	1,744	–	975	–	–	–	–	–	–
Jamaica	–	635	–	1	–	1,642	1,642	0	0	0
Japan	7,155	137,051	–	3,170	–	305	305	4	–	4
Korea, South	104,097	47,352	–	338	–	5	5	1	2	3
Lebanon	–	–	–	–	–	0	0	–	–	–
Mexico	–	51,358	–	7,362	–	123,238	123,238	245	8,952	9,196
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	18,182	–	–	–	–	–	–	–	–
Mozambique	–	–	–	1	–	–	–	–	–	–
Netherlands	169,492	22,633	–	7,890	–	466	466	–	–	–
New Zealand	–	0	–	0	–	0	0	–	–	–
Nicaragua	2,727	156	–	0	–	675	675	–	0	0
Nigeria	–	3,437	–	1	–	633	633	–	–	–
Norway	7,614	12,707	–	940	–	–	–	–	–	–
Pakistan	–	–	–	0	–	0	0	–	–	–
Panama	8,382	2,720	–	302	–	6,326	6,326	0	52	52
Peru	8,527	3,635	–	979	–	7,155	7,155	–	559	559
Philippines	–	263	–	2	–	–	–	–	–	–
Portugal	3,339	1,921	–	–	–	–	–	–	–	–
Puerto Rico	–	60	–	108	–	21	21	0	1	1
Romania	–	0	–	2	–	–	–	–	–	–
Saudi Arabia	–	0	–	7	–	2	2	0	–	0
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	72,689	9,426	–	884	–	433	433	0	50	50
South Africa	3,590	5,391	–	10	–	644	644	–	315	315
Spain	54,130	9,023	–	558	–	–	–	–	–	–
Switzerland	–	1,356	–	639	–	0	0	–	–	–
Taiwan	58,197	2,268	–	910	–	2	2	0	–	0
Thailand	20,872	1	–	10	–	–	–	–	–	–
Trinidad and Tobago	–	6	–	2	–	740	740	–	0	0
Turkiye	1,707	10,307	–	0	–	2	2	0	–	0
United Arab Emirates	–	279	–	1	–	4	4	0	0	0
United Kingdom	73,290	10,091	–	1,258	–	31	31	0	–	0
Venezuela	–	2	–	2,262	–	0	0	1	0	1
Other	40,294	33,422	–	1,100	–	3,255	3,255	2	548	551
Total	**1,094,227**	**706,765**	**–**	**80,158**	**–**	**215,485**	**215,485**	**258**	**19,672**	**19,931**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 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	7,689	661	2,168	–	10,518	0	–
Australia	1	0	NA	NA	3	–	2	–	5	0	–
Bahamas	0	–	NA	NA	2,234	175	2,943	–	5,352	5	–
Bahrain	1	–	NA	NA	0	–	–	–	0	–	–
Belgium	1	–	NA	NA	2,152	–	–	–	2,152	171	–
Belize	1	–	NA	NA	242	323	1	–	566	–	–
Brazil	3	–	NA	NA	12,633	621	0	–	13,254	295	–
Canada	11,460	4,412	NA	NA	294	2,145	721	–	3,159	411	–
Cayman Islands	0	–	NA	NA	650	–	–	–	650	0	–
Chile	2	–	NA	NA	29,816	–	–	–	29,816	2	–
China	4	0	NA	NA	7	–	–	–	7	–	–
Colombia	1,100	–	NA	NA	3,271	1	0	–	3,272	1	–
Costa Rica	1	–	NA	NA	6,540	–	–	–	6,540	2	–
Denmark	–	–	NA	NA	810	302	–	–	1,112	–	–
Dominican Republic	6	0	NA	NA	3,713	185	1,940	–	5,838	1	–
Ecuador	0	–	NA	NA	16,317	1,137	280	–	17,734	–	–
Egypt	88	–	NA	NA	0	–	–	–	0	–	–
El Salvador	0	–	NA	NA	935	2,826	–	–	3,762	0	–
Finland	16	–	NA	NA	–	–	0	–	0	–	–
France	0	–	NA	NA	5,564	–	–	–	5,564	0	–
Germany	1	12	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	3,629	6,867	189	–	10,685	1	–
Honduras	0	–	NA	NA	1,267	3,123	541	–	4,931	7	–
Hong Kong	0	–	NA	NA	1	–	–	–	1	0	–
India	1,073	–	NA	NA	132	–	0	–	132	–	–
Indonesia	0	2	NA	NA	0	–	–	–	0	–	–
Ireland	6	–	NA	NA	–	–	–	–	–	–	–
Israel	8	–	NA	NA	0	–	–	–	0	1	–
Italy	1	1	NA	NA	–	–	–	–	–	–	–
Jamaica	501	0	NA	NA	602	115	80	–	797	0	–
Japan	2	–	NA	NA	1	–	–	–	1	0	–
Korea, South	1,822	0	NA	NA	11	–	–	–	11	0	–
Lebanon	–	–	NA	NA	2	–	–	–	2	–	–
Mexico	954	2	NA	NA	80,619	423	28	–	81,070	11	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	1	–	–	–	1	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	2,161	–	NA	NA	11,192	1,311	358	–	12,862	0	–
New Zealand	–	–	NA	NA	0	–	–	–	0	–	–
Nicaragua	0	–	NA	NA	1,469	1,032	124	–	2,626	197	–
Nigeria	214	–	NA	NA	0	–	–	–	0	0	–
Norway	136	4	NA	NA	295	–	–	–	295	–	–
Pakistan	–	–	NA	NA	2	–	–	–	2	–	–
Panama	0	0	NA	NA	16,438	1,105	1,040	–	18,582	1	–
Peru	897	331	NA	NA	18,566	–	60	–	18,626	0	–
Philippines	340	–	NA	NA	0	–	–	–	0	0	–
Portugal	–	–	NA	NA	634	–	–	–	634	–	–
Puerto Rico	42	–	NA	NA	1,349	3	–	–	1,352	0	–
Romania	0	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	300	–	NA	NA	16	–	–	–	16	1	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	189	9	NA	NA	1,249	123	1,834	–	3,205	0	–
South Africa	–	–	NA	NA	0	–	–	–	0	–	–
Spain	59	–	NA	NA	1,221	620	–	–	1,840	–	–
Switzerland	18	–	NA	NA	1,626	–	–	–	1,626	–	–
Taiwan	6	–	NA	NA	2	–	–	–	2	0	–
Thailand	0	–	NA	NA	0	–	–	–	0	–	–
Trinidad and Tobago	0	–	NA	NA	765	–	458	–	1,224	–	–
Turkiye	–	–	NA	NA	80	–	–	–	80	0	–
United Arab Emirates	236	–	NA	NA	2	–	–	–	2	4	–
United Kingdom	2,709	0	NA	NA	12,427	–	–	–	12,427	0	–
Venezuela	0	–	NA	NA	8	1	–	–	9	–	–
Other	428	5	NA	NA	6,841	2,672	3,999	–	13,513	6	–
Total	**24,853**	**4,778**	NA	NA	**254,872**	**25,771**	**16,766**	**–**	**297,410**	**1,117**	**–**

See footnotes at end of table.

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

Destination	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina	–	113	–	1,004	–	193	4	119
Australia	–	–	–	–	–	–	6	1,504
Bahamas	–	746	–	3,429	–	–	–	–
Bahrain	–	0	–	–	–	–	0	116
Belgium	–	–	–	6	–	–	0	624
Belize	–	136	–	–	–	–	0	–
Brazil	–	309	–	836	–	–	20	15,646
Canada	–	8,522	–	4,154	–	6	853	6,246
Cayman Islands	–	128	–	0	–	–	–	–
Chile	–	2,731	–	1,176	–	–	2	0
China	–	0	–	21	–	–	23	20,830
Colombia	–	0	–	1	–	–	1	62
Costa Rica	–	1,599	–	114	–	–	1	429
Denmark	–	–	–	1,135	–	–	0	184
Dominican Republic	–	1,700	–	1,046	–	–	2	1,501
Ecuador	–	–	–	0	–	–	1	1,194
Egypt	–	–	–	969	–	866	–	1,384
El Salvador	–	817	–	–	–	–	0	495
Finland	–	–	–	0	–	–	–	–
France	–	375	–	270	–	–	1	928
Germany	–	–	–	19	–	–	18	305
Ghana	–	–	–	0	–	–	–	117
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	2,532
Guatemala	–	990	–	0	–	–	2	3,301
Honduras	–	454	–	0	–	–	0	2,371
Hong Kong	–	–	–	–	–	–	1	598
India	–	1	–	359	–	3,852	13	25,870
Indonesia	–	–	–	0	–	–	1	121
Ireland	–	–	–	–	–	–	–	924
Israel	–	1,334	–	–	–	–	0	1,281
Italy	–	–	–	–	–	344	1	4,451
Jamaica	–	1,156	–	258	–	–	0	182
Japan	–	1	–	2	–	–	6	13,284
Korea, South	–	1	–	2,443	–	–	3	1,060
Lebanon	–	–	–	–	–	–	–	123
Mexico	–	13,813	–	2,424	–	658	154	12,889
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	331	–	–	–	4,571
Mozambique	–	–	–	–	–	–	–	706
Netherlands	–	–	–	6,217	–	–	12	2,302
New Zealand	–	0	–	–	–	–	0	297
Nicaragua	–	38	–	125	–	–	–	165
Nigeria	–	–	–	–	–	–	0	–
Norway	–	–	–	–	–	–	0	898
Pakistan	–	–	–	–	–	–	0	568
Panama	–	4,225	–	3,745	–	200	0	288
Peru	–	1,910	–	0	–	–	0	61
Philippines	–	–	–	–	–	–	1	1,437
Portugal	–	–	–	450	–	–	0	878
Puerto Rico	–	519	–	–	–	–	0	–
Romania	–	–	–	–	–	–	0	138
Saudi Arabia	–	1	–	0	–	–	1	108
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	10	–	581	–	914	0	398
South Africa	–	–	–	1	–	263	0	658
Spain	–	0	–	2	–	47	3	3,893
Switzerland	–	–	–	–	–	–	0	–
Taiwan	–	–	–	0	–	–	1	2
Thailand	–	–	–	0	–	1,875	2	1,210
Trinidad and Tobago	–	360	–	65	–	–	0	0
Turkiye	–	–	–	2	–	–	0	8,339
United Arab Emirates	–	–	–	604	–	–	0	1,182
United Kingdom	–	0	–	1	–	–	3	1,034
Venezuela	–	0	–	–	–	–	0	–
Other	–	3,421	–	4,098	–	–	13	6,364
Total	**–**	**45,410**	**–**	**35,888**	**–**	**9,218**	**1,149**	**156,168**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 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	186	361	24	13,682	13,682	–	50	50
Australia	1	44	4	4,561	12,461	29	17	46
Bahamas	19	25	4	17,351	17,351	–	64	64
Bahrain	0	2	–	120	120	–	0	0
Belgium	154	3,063	8	28,159	28,159	–	103	103
Belize	–	4	0	1,576	1,576	–	6	6
Brazil	0	3,188	6	53,043	67,775	54	194	248
Canada	1,375	2,453	51	124,921	217,741	340	458	798
Cayman Islands	9	11	–	976	976	–	4	4
Chile	309	620	0	53,675	55,094	5	197	202
China	49	76	6	141,401	271,223	476	518	993
Colombia	1	849	9	22,952	31,338	31	84	115
Costa Rica	317	125	0	16,340	16,340	–	60	60
Denmark	–	0	–	2,488	15,400	47	9	56
Dominican Republic	370	212	1	26,170	32,275	22	96	118
Ecuador	0	514	34	37,279	37,279	–	137	137
Egypt	–	1	–	16,261	16,261	–	60	60
El Salvador	–	229	–	12,218	12,218	–	45	45
Finland	0	4	–	3,551	8,915	20	13	33
France	–	537	–	17,126	55,909	142	63	205
Germany	25	18	2	1,648	26,755	92	6	98
Ghana	–	2	–	2,364	2,364	–	9	9
Gibraltar	–	–	–	2,728	2,728	–	10	10
Greece	–	3	–	2,601	2,601	–	10	10
Guatemala	–	148	23	33,547	33,547	–	123	123
Honduras	273	99	0	18,442	18,442	–	68	68
Hong Kong	–	7	1	614	614	–	2	2
India	3	1,021	3	60,601	110,324	182	222	404
Indonesia	6	25	0	22,663	27,640	18	83	101
Ireland	–	0	1	932	11,786	40	3	43
Israel	0	428	1	3,057	3,802	3	11	14
Italy	1	2	0	7,520	55,993	178	28	205
Jamaica	19	46	1	5,239	5,239	–	19	19
Japan	10	62	27	153,924	161,079	26	564	590
Korea, South	2	93	2	53,136	157,233	381	195	576
Lebanon	–	5	–	130	130	–	0	0
Mexico	1,135	10,969	367	315,600	315,600	–	1,156	1,156
Montenegro	–	0	–	0	0	–	0	0
Morocco	–	0	–	23,085	23,085	–	85	85
Mozambique	–	0	–	708	708	–	3	3
Netherlands	8	273	2	54,825	224,317	621	201	822
New Zealand	298	6	–	602	602	–	2	2
Nicaragua	–	34	–	4,015	6,742	10	15	25
Nigeria	182	943	–	5,410	5,410	–	20	20
Norway	–	3	0	14,983	22,597	28	55	83
Pakistan	–	0	–	571	571	–	2	2
Panama	201	321	5	36,970	45,352	31	135	166
Peru	0	642	44	34,840	43,367	31	128	159
Philippines	–	6	1	2,051	2,051	–	8	8
Portugal	–	0	–	3,884	7,223	12	14	26
Puerto Rico	84	128	0	2,314	2,314	–	8	8
Romania	–	2	–	141	141	–	1	1
Saudi Arabia	0	75	0	512	512	–	2	2
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	181	0	16,284	88,972	266	60	326
South Africa	1	461	–	7,744	11,334	13	28	42
Spain	0	98	–	15,523	69,653	198	57	255
Switzerland	1	0	–	3,640	3,640	–	13	13
Taiwan	0	28	2	3,221	61,418	213	12	225
Thailand	7	34	1	3,140	24,012	76	12	88
Trinidad and Tobago	0	49	0	2,448	2,448	–	9	9
Turkiye	3	473	0	19,206	20,914	6	70	77
United Arab Emirates	9	385	0	2,708	2,708	–	10	10
United Kingdom	0	47	0	27,602	100,892	268	101	370
Venezuela	–	75	–	2,350	2,350	–	9	9
Other	165	553	16	66,888	107,185	149	239	387
Total	**5,223**	**30,063**	**646**	**1,634,261**	**2,728,488**	**4,008**	**5,986**	**9,994**

– – = 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, September 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	**1,179**	**3**	**–**	**214**	**–**	**0**	**0**	**8**	**47**	**55**
Algeria	67	–	–	48	–	–	–	–	0	0
Angola	41	9	–	3	–	–	–	–	14	14
Congo (Brazzaville)	30	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	2	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	18	–	–	–	–	–	–	–	–	–
Iraq	251	–	–	77	–	–	–	–	–	–
Kuwait	25	–	–	0	–	–	–	–	–	–
Libya	55	–	–	0	–	–	–	–	–	–
Nigeria	106	-8	–	–	–	–	–	–	6	6
Saudi Arabia	353	–	–	82	–	0	0	8	26	34
United Arab Emirates	71	–	–	0	–	0	0	–	–	–
Venezuela	163	0	–	–	–	0	0	0	0	0
Non-OPEC	**1,304**	**-2,556**	**18**	**-75**	**–**	**-616**	**-616**	**125**	**352**	**477**
Argentina	76	0	–	–	–	–	–	–	9	9
Aruba	–	0	–	0	–	0	0	–	–	–
Australia	-32	-21	–	0	–	0	0	0	0	0
Bahamas	–	-2	–	-6	–	5	5	1	3	4
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	-93	–	10	–	23	23	9	–	9
Brazil	235	-3	–	-15	–	-19	-19	–	62	62
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,412	5	18	-75	–	13	13	73	30	103
Chad	–	–	–	–	–	–	–	–	–	–
China	-562	-427	–	-1	–	16	16	–	–	–
Colombia	164	-4	–	-64	–	-65	-65	–	1	1
Denmark	-24	–	–	–	–	–	–	–	–	–
Dominican Republic	-18	-33	–	0	–	-3	-3	–	0	0
Ecuador	100	-36	–	0	–	–	–	–	-10	-10
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	9	9
France	-112	-59	–	3	–	11	11	–	13	13
Germany	-129	0	–	0	–	0	0	–	0	0
Guatemala	9	-7	–	0	–	-60	-60	–	–	–
Honduras	–	-12	–	0	–	-14	-14	–	–	–
India	-156	-96	–	-6	–	–	–	–	39	39
Indonesia	-21	-106	–	–	–	–	–	–	–	–
Italy	-229	-14	–	9	–	–	–	6	41	47
Japan	-68	-555	–	-22	–	0	0	0	7	7
Korea, South	-544	-132	–	-11	–	27	27	–	12	12
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	0	0	–	4	4
Malaysia	-6	0	–	0	–	–	–	–	–	–
Mexico	743	-192	–	124	–	-487	-487	–	-30	-30
Netherlands	-590	-114	–	-33	–	13	13	–	23	23
Norway	-20	-56	–	0	–	14	14	–	24	24
Oman	–	–	–	-15	–	–	–	–	7	7
Panama	-35	-9	–	0	–	-25	-25	–	-1	-1
Portugal	–	-1	–	7	–	9	9	–	16	16
Puerto Rico	–	0	–	0	–	0	0	–	0	0
Qatar	16	–	–	–	–	0	0	0	–	0
Russia	–	–	–	–	–	–	–	–	–	–
Spain	-230	-56	–	24	–	–	–	–	37	37
Sweden	-45	-53	–	–	–	–	–	5	11	16
Trinidad and Tobago	47	0	–	0	–	-6	-6	–	0	0
United Kingdom	-86	-34	–	0	–	1	1	30	11	40
Vietnam	–	0	–	0	–	0	0	–	–	–
Virgin Islands, U.S.	–	-3	–	0	–	0	0	–	-6	-6
Yemen	–	–	–	–	–	–	–	–	–	–
Other	-591	-443	0	-4	–	-69	-69	1	40	42
Total	**2,483**	**-2,553**	**18**	**139**	**–**	**-616**	**-616**	**133**	**400**	**533**
Persian Gulf[5]	**734**	**–**	**–**	**159**	**–**	**0**	**0**	**8**	**26**	**34**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 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	**-4**	**–**	**–**	**–**	**0**	**–**	**–**	**–**	**0**	**0**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	0	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	0	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	-4	–	–	–	0	–	–	–	0	0	–
Venezuela	0	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-80**	**29**	**14**	**–**	**-783**	**-74**	**-69**	**–**	**-926**	**-5**	**2**
Argentina	–	–	–	–	-27	–	–	–	-27	–	–
Aruba	–	–	–	–	–	–	–	–	–	0	–
Australia	0	–	–	–	0	–	–	–	0	0	–
Bahamas	–	–	–	–	-9	–	-13	–	-22	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	0	–	–	–	–	–	–	–	–	–	–
Brazil	13	2	–	–	-52	-7	–	–	-59	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	-48	-4	–	–	97	-9	-2	–	86	-4	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	–	–	–	0	–	–	–	0	–	–
Colombia	-7	–	–	–	-5	–	–	–	-5	–	–
Denmark	–	–	–	–	0	–	–	–	0	–	–
Dominican Republic	0	–	–	–	-13	–	-12	–	-26	0	–
Ecuador	0	–	–	–	-76	–	–	–	-76	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	0	–	–	–	-20	–	–	–	-20	–	–
Germany	0	12	–	–	–	–	–	–	–	0	–
Guatemala	–	–	–	–	-3	-27	–	–	-30	0	–
Honduras	–	–	–	–	-12	-15	–	–	-27	0	–
India	0	–	–	–	0	–	–	–	0	–	–
Indonesia	0	–	–	–	0	–	–	–	0	–	–
Italy	0	6	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	0	–	–	–	0	–	–
Korea, South	-4	5	–	–	5	–	–	–	5	0	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	-4	0	–	–	-306	0	0	–	-306	0	–
Netherlands	-4	–	1	–	-12	–	–	–	-12	–	1
Norway	-1	–	–	–	–	–	–	–	–	–	–
Oman	-6	–	–	–	–	–	–	–	–	–	–
Panama	–	–	–	–	-94	-4	-10	–	-107	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	0	–	–	–	-5	–	–	–	-5	–	–
Qatar	0	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	10	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	-9	–	–	–	-9	–	–
United Kingdom	-11	–	–	–	-43	–	–	–	-43	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-11	–	-11	–	-21	–	–
Yemen	0	–	–	–	–	–	–	–	–	–	–
Other	-8	-2	13	–	-188	-12	-21	–	-222	-1	1
Total	**-84**	**29**	**14**	**–**	**-783**	**-74**	**-69**	**–**	**-927**	**-5**	**2**
Persian Gulf[5]	**-4**	**–**	**–**	**–**	**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, September 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	**–**	**22**	**–**	**13**	**–**	**–**	**0**	**-5**
Algeria	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	–	–	0	–	–	–	–
Kuwait	–	22	–	–	–	–	–	0
Libya	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Saudi Arabia	–	0	–	–	–	–	0	0
United Arab Emirates	–	–	–	–	–	–	–	-5
Venezuela	–	–	–	–	–	–	–	–
Non-OPEC	**0**	**-51**	**18**	**-5**	**5**	**-39**	**-1**	**-430**
Argentina	–	-3	–	0	–	-1	0	–
Aruba	–	–	–	0	–	–	–	–
Australia	–	–	–	–	–	–	0	-5
Bahamas	–	-2	–	-23	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–
Belgium	–	–	1	–	–	–	0	0
Brazil	–	–	–	27	–	–	0	-35
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–
Canada	–	-22	6	-11	3	2	0	-25
Chad	–	–	–	–	–	–	–	–
China	–	11	–	0	–	–	0	-65
Colombia	–	3	–	31	–	–	0	–
Denmark	–	–	–	–	–	–	–	–
Dominican Republic	–	-8	–	-6	–	–	0	-11
Ecuador	–	–	–	0	–	–	0	–
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–
France	–	–	–	–	–	1	0	–
Germany	–	–	–	0	–	–	0	–
Guatemala	–	-2	–	–	–	–	0	-9
Honduras	–	-1	–	–	–	–	–	–
India	–	18	–	0	–	-20	0	-71
Indonesia	–	–	–	–	–	–	0	–
Italy	–	–	–	–	–	-2	–	-21
Japan	–	10	–	0	–	–	0	-32
Korea, South	0	39	11	-9	1	–	0	-8
Latvia	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–
Malaysia	–	–	–	0	–	–	0	-11
Mexico	–	-43	–	-5	0	-2	0	-47
Netherlands	–	–	1	-7	–	–	0	-13
Norway	–	–	–	–	–	–	–	-4
Oman	–	–	–	–	–	–	–	-11
Panama	–	-14	–	-20	–	-2	–	–
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	–	0	–	–	–	–	0	–
Qatar	–	–	–	–	–	–	–	0
Russia	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	0	-10
Sweden	–	–	–	–	–	–	0	0
Trinidad and Tobago	–	0	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	0	0
Vietnam	–	–	–	–	–	–	0	–
Virgin Islands, U.S.	–	-3	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	0	-34	-1	18	1	-15	-1	-52
Total	**0**	**-29**	**18**	**7**	**5**	**-39**	**-1**	**-435**
Persian Gulf[5]	**–**	**22**	**–**	**0**	**–**	**–**	**0**	**-5**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 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**	**–**	**294**	**1,473**
Algeria	–	0	–	49	115
Angola	–	0	–	27	68
Congo (Brazzaville)	–	–	–	–	46
Equatorial Guinea	–	0	–	2	2
Gabon	–	0	–	0	0
Iran	–	–	–	–	18
Iraq	–	0	–	77	328
Kuwait	0	0	–	22	47
Libya	–	0	–	0	55
Nigeria	–	-3	–	-5	101
Saudi Arabia	0	0	–	116	469
United Arab Emirates	0	0	–	-9	63
Venezuela	–	0	–	0	162
Non-OPEC	**34**	**-72**	**-2**	**-4,262**	**-2,958**
Argentina	-1	-1	–	-25	51
Aruba	–	0	–	-1	-1
Australia	0	0	0	-26	-59
Bahamas	0	0	–	-45	-45
Bahrain	–	2	–	2	2
Belgium	-5	-8	0	-62	-62
Brazil	–	-14	0	-42	193
Brunei	–	0	–	0	0
Cameroon	–	–	–	–	–
Canada	41	-1	0	86	3,498
Chad	–	–	–	–	–
China	0	0	0	-466	-1,028
Colombia	0	-3	0	-113	51
Denmark	–	–	–	0	-24
Dominican Republic	-2	-1	–	-90	-109
Ecuador	–	-4	0	-126	-26
Estonia	–	–	–	–	–
Finland	–	0	–	9	9
France	–	-2	–	-53	-166
Germany	0	0	0	12	-117
Guatemala	–	-1	–	-108	-99
Honduras	–	0	–	-55	-55
India	0	-5	0	-142	-299
Indonesia	0	4	–	-102	-122
Italy	–	0	–	26	-203
Japan	0	0	0	-592	-661
Korea, South	0	10	0	-56	-600
Latvia	–	0	–	0	0
Lithuania	–	0	–	4	4
Malaysia	0	0	0	-11	-16
Mexico	-4	-45	-1	-1,042	-300
Netherlands	1	0	0	-143	-733
Norway	–	0	–	-23	-43
Oman	–	0	–	-26	-26
Panama	–	-1	–	-180	-214
Portugal	–	–	–	31	31
Puerto Rico	0	0	–	-5	-5
Qatar	–	12	–	12	28
Russia	–	–	–	–	–
Spain	1	0	–	6	-224
Sweden	–	0	–	-36	-81
Trinidad and Tobago	0	0	–	-15	32
United Kingdom	–	0	–	-48	-133
Vietnam	–	0	–	0	0
Virgin Islands, U.S.	–	0	–	-34	-34
Yemen	–	–	–	0	0
Other	3	-14	-1	-783	-1,372
Total	**34**	**-76**	**-2**	**-3,968**	**-1,485**
Persian Gulf[5]	**0**	**14**	**–**	**221**	**955**

– – = 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-September 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	**1,084**	**-8**	**–**	**216**	**–**	**-1**	**-1**	**3**	**46**	**49**
Algeria	22	–	–	40	–	–	–	0	11	11
Angola	36	1	–	1	–	0	0	–	6	6
Congo (Brazzaville)	7	–	–	–	–	–	–	–	–	–
Equatorial Guinea	4	4	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	4	–	–	–	–	–	–	–	–	–
Iraq	227	–	–	115	–	0	0	–	–	–
Kuwait	23	0	–	3	–	0	0	–	0	0
Libya	68	0	–	0	–	–	–	–	–	–
Nigeria	171	-13	–	1	–	-2	-2	–	3	3
Saudi Arabia	384	0	–	61	–	0	0	1	23	24
United Arab Emirates	13	-1	–	2	–	0	0	2	3	5
Venezuela	125	0	–	-8	–	0	0	0	0	0
Non-OPEC	**1,381**	**-2,435**	**18**	**38**	**–**	**-665**	**-665**	**137**	**377**	**514**
Argentina	48	0	–	0	–	-3	-3	–	8	8
Aruba	–	0	–	0	–	-2	-2	–	–	–
Australia	-28	-11	–	0	–	0	0	0	0	0
Bahamas	–	-2	–	-7	–	5	5	1	2	3
Bahrain	–	0	–	0	–	0	0	0	0	0
Belgium	–	-62	–	-6	–	13	13	2	8	10
Brazil	113	-31	–	3	–	-9	-9	0	15	15
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	2	0	–	–	–	–	–	–	–	–
Canada	3,494	-34	18	-62	–	-5	-5	69	34	103
Chad	–	–	–	–	–	–	–	–	–	–
China	-476	-440	–	-1	–	3	3	–	2	2
Colombia	172	-2	–	-26	–	-31	-31	0	1	1
Denmark	-47	–	–	0	–	0	0	0	0	0
Dominican Republic	-22	-38	–	-1	–	-18	-18	0	0	0
Ecuador	142	-35	–	9	–	-27	-27	–	-1	-1
Estonia	–	–	–	–	–	0	0	–	–	–
Finland	-20	-13	–	0	–	2	2	1	11	12
France	-142	-31	–	-2	–	9	9	2	11	13
Germany	-92	-1	–	-1	–	0	0	1	1	2
Guatemala	2	-11	–	0	–	-56	-56	0	0	0
Honduras	–	-19	–	0	–	-18	-18	–	0	0
India	-182	-102	–	11	–	4	4	2	70	72
Indonesia	-18	-82	–	0	–	–	–	–	–	–
Italy	-178	-6	–	1	–	1	1	2	33	35
Japan	-26	-502	–	-11	–	0	0	0	4	4
Korea, South	-381	-173	–	-1	–	14	14	0	19	19
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-22	–	–	–	–	0	0	0	7	7
Malaysia	-10	0	–	18	–	0	0	–	1	1
Mexico	732	-188	–	116	–	-451	-451	-1	-31	-32
Netherlands	-619	-83	–	-21	–	13	13	19	47	66
Norway	-19	-47	–	-3	–	8	8	4	22	26
Oman	–	–	–	1	–	0	0	–	3	3
Panama	-31	-10	–	-1	–	-23	-23	0	0	0
Portugal	-12	-7	–	3	–	1	1	0	26	27
Puerto Rico	–	0	–	0	–	0	0	0	0	0
Qatar	4	0	–	0	–	0	0	0	0	0
Russia	–	–	–	0	–	–	–	–	–	–
Spain	-198	-33	–	6	–	7	7	0	37	37
Sweden	-56	-59	–	0	–	2	2	1	5	6
Trinidad and Tobago	37	1	–	0	–	-3	-3	–	0	0
United Kingdom	-227	-37	–	-2	–	5	5	34	10	44
Vietnam	1	0	–	0	–	0	0	–	–	–
Virgin Islands, U.S.	-5	-5	–	0	–	-5	-5	–	-2	-2
Yemen	–	–	–	0	–	–	–	–	–	–
Other	-555	-372	0	15	–	-101	-101	0	34	33
Total	**2,466**	**-2,443**	**18**	**254**	**–**	**-667**	**-667**	**140**	**423**	**563**
Persian Gulf[5]	**655**	**-1**	**–**	**181**	**–**	**0**	**0**	**3**	**26**	**29**

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-September 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**	**–**	**–**	**–**	**4**	**0**	**–**	**–**	**4**	**0**	**–**
Algeria	–	–	–	–	0	–	–	–	0	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	0	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	0	–	–	–	0	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	-1	–	–	–	1	–	–	–	1	0	–
Saudi Arabia	-1	–	–	–	3	–	–	–	3	0	–
United Arab Emirates	-1	–	–	–	0	–	–	–	0	0	–
Venezuela	0	–	–	–	0	0	–	–	0	–	–
Non-OPEC	**-86**	**14**	**23**	**0**	**-766**	**-94**	**-61**	**–**	**-921**	**-2**	**1**
Argentina	0	0	–	–	-28	-2	-8	–	-39	0	–
Aruba	0	–	–	–	-1	–	–	–	-1	0	–
Australia	0	0	–	–	0	–	0	–	0	0	–
Bahamas	0	–	–	–	-8	-1	-11	–	-20	0	–
Bahrain	0	–	–	–	0	–	–	–	0	–	–
Belgium	0	0	–	–	-8	–	–	–	-8	-1	–
Brazil	2	1	–	–	-46	-2	0	–	-48	-1	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	3	–	–	–	3	–	–
Canada	-42	-7	–	0	131	-8	-2	–	121	-1	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	0	–	–	0	–	–	–	0	–	–
Colombia	-4	–	–	–	-6	0	0	–	-6	0	–
Denmark	–	–	–	–	-3	-1	–	–	-4	–	–
Dominican Republic	0	0	–	–	-14	-1	-7	–	-21	0	–
Ecuador	0	–	–	–	-60	-4	-1	–	-65	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	0	–	1	0	–	–	0	–	0	–	–
France	0	–	–	–	-20	–	–	–	-20	0	–
Germany	0	12	–	–	-2	–	–	–	-2	0	–
Guatemala	0	–	–	–	-13	-25	-1	–	-39	0	–
Honduras	0	–	–	–	-5	-11	-2	–	-18	0	–
India	-4	–	–	–	11	–	0	–	11	2	–
Indonesia	0	0	–	–	0	–	–	–	0	–	–
Italy	0	3	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	1	–	–	–	1	0	–
Korea, South	-7	2	–	–	4	–	–	–	4	0	–
Latvia	–	–	–	–	-1	–	–	–	-1	0	–
Lithuania	–	–	–	–	-1	–	–	–	-1	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-3	0	–	–	-294	-2	0	–	-296	0	–
Netherlands	-8	0	1	–	-41	-5	-1	–	-46	0	1
Norway	0	0	–	–	-1	–	0	–	-1	–	–
Oman	-1	–	–	–	0	–	–	–	0	–	–
Panama	0	0	–	–	-60	-4	-4	–	-68	0	–
Portugal	–	–	–	–	-2	–	–	–	-2	–	–
Puerto Rico	0	–	–	–	-5	0	–	–	-5	0	–
Qatar	0	–	–	–	4	–	–	–	4	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	0	4	–	–	-4	-2	–	–	-7	–	–
Sweden	-1	–	–	–	-1	–	–	–	-1	–	–
Trinidad and Tobago	0	–	–	–	-3	–	-2	–	-4	–	–
United Kingdom	-10	0	–	–	-46	–	–	–	-46	0	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-9	–	-9	–	-17	0	–
Yemen	0	–	–	–	–	–	–	–	–	–	–
Other	-8	-1	21	0	-238	-26	-13	–	-279	-1	0
Total	**-89**	**14**	**23**	**0**	**-762**	**-94**	**-61**	**–**	**-917**	**-2**	**1**
Persian Gulf[5]	**-2**	**–**	**–**	**–**	**7**	**–**	**–**	**–**	**7**	**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-September 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	**–**	**23**	**–**	**10**	**0**	**–**	**0**	**-6**
Algeria	–	–	–	5	–	–	–	–
Angola	–	0	–	0	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	0	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	0	–	2	–	–	–	–
Kuwait	–	16	–	3	–	–	0	-1
Libya	–	–	–	–	–	–	0	–
Nigeria	–	–	–	0	–	–	0	–
Saudi Arabia	–	4	–	1	0	–	0	0
United Arab Emirates	–	3	–	-2	–	–	0	-4
Venezuela	–	0	–	–	–	–	0	–
Non-OPEC	**0**	**-55**	**18**	**-28**	**12**	**-28**	**0**	**-558**
Argentina	–	0	–	-3	–	0	0	2
Aruba	–	-2	–	0	–	–	–	–
Australia	–	–	–	2	–	–	0	-6
Bahamas	–	-3	–	-12	–	–	–	–
Bahrain	–	0	–	–	–	–	0	0
Belgium	–	0	0	1	–	–	0	-2
Brazil	–	-1	0	4	–	0	0	-56
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	0	–	–	–	0
Canada	–	-19	4	-5	3	3	0	-22
Chad	–	–	–	–	–	–	–	–
China	–	7	–	0	–	–	0	-76
Colombia	–	0	–	12	–	–	0	1
Denmark	–	–	–	-4	–	–	0	-1
Dominican Republic	–	-6	–	-4	–	–	0	-5
Ecuador	–	–	–	0	–	–	0	-4
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	0	–	–	–	–
France	–	-1	0	-1	–	1	0	-3
Germany	–	–	0	0	–	–	0	-1
Guatemala	–	-4	–	0	–	–	0	-12
Honduras	–	-2	–	0	–	–	0	-9
India	–	8	–	0	1	-14	0	-95
Indonesia	–	–	–	0	–	–	0	0
Italy	–	1	–	0	0	-1	0	-16
Japan	–	12	0	1	0	–	0	-49
Korea, South	0	61	12	-9	3	–	0	-4
Latvia	–	–	–	–	–	–	0	–
Lithuania	–	–	–	–	–	–	0	–
Malaysia	–	0	–	2	–	–	0	-2
Mexico	–	-51	–	28	1	0	-1	-47
Netherlands	–	–	1	-19	0	–	0	-8
Norway	–	0	–	–	–	–	0	-3
Oman	–	–	–	–	0	–	–	-3
Panama	–	-15	–	-13	–	-1	0	-1
Portugal	–	–	–	-1	–	–	0	-3
Puerto Rico	–	-2	–	–	–	–	0	–
Qatar	–	–	–	0	0	–	0	-1
Russia	–	–	–	–	–	–	–	–
Spain	–	0	–	0	0	0	0	-14
Sweden	–	-1	–	–	–	–	0	0
Trinidad and Tobago	–	-1	–	0	–	–	0	0
United Kingdom	–	0	–	2	0	–	0	-4
Vietnam	–	0	–	–	–	–	0	0
Virgin Islands, U.S.	–	-7	–	-12	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	0	-29	1	3	4	-16	1	-114
Total	**0**	**-32**	**18**	**-18**	**12**	**-28**	**0**	**-564**
Persian Gulf[5]	**–**	**23**	**–**	**4**	**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-September 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**	**-1**	**0**	**282**	**1,366**
Algeria	–	0	–	56	78
Angola	0	0	–	8	45
Congo (Brazzaville)	–	–	–	–	1,007
Equatorial Guinea	–	0	–	4	8
Gabon	–	0	–	0	0
Iran	–	–	–	–	4
Iraq	0	0	–	117	344
Kuwait	0	0	0	20	44
Libya	–	0	–	0	68
Nigeria	-1	-3	–	-14	157
Saudi Arabia	0	0	0	91	475
United Arab Emirates	0	3	0	5	18
Venezuela	–	0	–	-9	116
Non-OPEC	**38**	**-64**	**-2**	**-4,168**	**-2,786**
Argentina	-1	-1	0	-37	11
Aruba	–	0	–	-4	-4
Australia	0	0	0	-15	-43
Bahamas	0	0	0	-35	-35
Bahrain	0	2	–	2	2
Belgium	-1	-11	0	-66	-66
Brazil	0	-12	0	-133	-20
Brunei	–	0	–	0	0
Cameroon	–	0	–	2	5
Canada	47	1	0	102	3,596
Chad	–	0	–	0	0
China	0	0	0	-505	-981
Colombia	0	-3	0	-58	114
Denmark	–	0	–	-9	-56
Dominican Republic	-1	-1	0	-96	-118
Ecuador	0	-2	0	-125	17
Estonia	–	0	–	0	0
Finland	0	0	–	2	-18
France	–	-2	–	-38	-180
Germany	0	0	0	9	-83
Guatemala	–	-1	0	-123	-121
Honduras	-1	0	0	-68	-68
India	0	-4	0	-109	-292
Indonesia	0	3	0	-80	-98
Italy	0	0	0	18	-160
Japan	0	0	0	-545	-571
Korea, South	0	10	0	-69	-451
Latvia	–	0	–	-1	-1
Lithuania	–	0	0	6	-15
Malaysia	0	0	0	19	9
Mexico	-4	-40	-1	-970	-238
Netherlands	0	1	0	-104	-723
Norway	–	0	0	-21	-40
Oman	–	0	–	0	0
Panama	-1	-1	0	-135	-166
Portugal	–	0	–	17	5
Puerto Rico	0	0	0	-8	-8
Qatar	0	12	–	15	19
Russia	–	0	–	0	0
Spain	1	0	–	1	-197
Sweden	–	0	0	-53	-109
Trinidad and Tobago	0	0	0	-8	28
United Kingdom	0	0	0	-47	-274
Vietnam	0	0	0	0	1
Virgin Islands, U.S.	0	0	–	-49	-54
Yemen	–	0	–	0	0
Other	-1	-15	-1	-850	-1,403
Total	**38**	**-66**	**-2**	**-3,886**	**-1,420**
Persian Gulf[5]	**0**	**17**	**0**	**251**	**906**

– – = 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, September 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	**7,540**	**104,523**	**588,775**	**23,904**	**43,997**	**768,739**
Refinery	6,133	12,812	46,694	2,577	18,357	86,573
Tank Farms and Pipelines (Includes Cushing, OK)	1,407	91,711	190,807	21,327	24,700	329,952
Cushing, Oklahoma	– –	21,634	– –	– –	– –	21,634
Leases	– –	– –	– –	– –	– –	– –
Strategic Petroleum Reserve[1]	–	–	351,274	–	–	351,274
Alaskan In Transit	– –	– –	– –	– –	940	940
Total Stocks, All Oils (excluding Crude Oil)[2]	**136,477**	**189,679**	**421,899**	**26,933**	**90,933**	**865,921**
Refinery	12,660	49,898	121,685	10,612	47,973	242,828
Bulk Terminal	95,649	101,063	237,018	9,725	37,961	481,416
Pipeline	27,931	37,039	60,854	6,428	4,573	136,825
Natural Gas Processing Plant	237	1,679	2,342	168	426	4,852
Natural Gas Liquids	**11,601**	**64,254**	**185,953**	**9,400**	**6,051**	**277,259**
Refinery	289	3,924	6,523	331	1,524	12,591
Bulk Terminal	8,847	41,346	152,367	4,480	4,101	211,141
Pipeline	2,228	17,305	24,721	4,421	–	48,675
Natural Gas Processing Plant	237	1,679	2,342	168	426	4,852
Ethane	**895**	**6,113**	**49,625**	**1,412**	**–**	**58,045**
Refinery	–	–	18	–	–	18
Bulk Terminal	232	2,212	39,827	–	–	42,271
Pipeline	663	3,712	9,696	1,408	–	15,479
Natural Gas Processing Plant	–	189	84	4	–	277
Propane	**8,469**	**28,026**	**59,886**	**3,139**	**2,646**	**102,166**
Refinery	82	1,098	1,198	29	83	2,490
Bulk Terminal	7,002	22,711	51,803	1,571	2,471	85,558
Pipeline	1,268	3,366	6,757	1,464	–	12,855
Natural Gas Processing Plant	117	851	128	75	92	1,263
Normal Butane	**1,777**	**18,068**	**50,091**	**3,710**	**2,992**	**76,638**
Refinery	156	2,110	4,254	173	1,089	7,782
Bulk Terminal	1,371	14,363	41,414	2,895	1,627	61,670
Pipeline	209	1,361	3,225	608	–	5,403
Natural Gas Processing Plant	41	234	1,198	34	276	1,783
Isobutane	**110**	**2,296**	**9,767**	**419**	**382**	**12,974**
Refinery	51	424	816	116	350	1,757
Bulk Terminal	–	746	7,322	–	–	8,068
Pipeline	44	1,023	1,335	287	–	2,689
Natural Gas Processing Plant	15	103	294	16	32	460
Natural Gasoline	**350**	**9,751**	**16,584**	**720**	**31**	**27,436**
Refinery	–	292	237	13	2	544
Bulk Terminal	242	1,314	12,001	14	3	13,574
Pipeline	44	7,843	3,708	654	–	12,249
Natural Gas Processing Plant	64	302	638	39	26	1,069
Refinery Olefins	**209**	**515**	**826**	**136**	**149**	**1,835**
Refinery	209	515	826	136	149	1,835
Ethylene	**–**	**–**	**0**	**–**	**–**	**0**
Refinery	–	–	0	–	–	0
Propylene	**108**	**450**	**646**	**3**	**11**	**1,218**
Refinery	108	450	646	3	11	1,218
Normal Butylene	**97**	**65**	**180**	**133**	**138**	**613**
Refinery	97	65	180	133	138	613
Isobutylene	**4**	**0**	**0**	**0**	**0**	**4**
Refinery	4	0	0	0	0	4
Other Hydrocarbons	**–**	**16**	**–**	**–**	**–**	**16**
Refinery	–	16	–	–	–	16
Biofuels (Including Fuel Ethanol)[2]	**7,994**	**9,713**	**5,776**	**563**	**6,190**	**30,236**
Refinery	241	119	1,189	113	1,198	2,860
Bulk Terminal	7,714	9,594	4,587	450	4,992	27,337
Pipeline	39	–	–	–	–	39
Fuel Ethanol	**6,572**	**8,782**	**3,762**	**353**	**2,706**	**22,174**
Refinery	233	95	1,095	105	208	1,736
Bulk Terminal	6,300	8,687	2,667	248	2,498	20,399
Pipeline	39	–	–	–	–	39
Biodiesel	**1,373**	**815**	**710**	**12**	**666**	**3,576**
Refinery	8	24	94	8	7	141
Bulk Terminal	1,365	791	616	4	659	3,435
Pipeline	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	**50**	**84**	**1,191**	**170**	**2,726**	**4,221**
Refinery	–	–	–	–	983	983
Bulk Terminal	50	84	1,191	170	1,743	3,238
Pipeline	– –	– –	– –	– –	– –	– –
Other Biofuels[3]	**–**	**33**	**114**	**28**	**91**	**265**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	33	114	28	91	265
Pipeline	– –	– –	– –	– –	– –	– –

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	**3,605**	**13,845**	**48,718**	**2,892**	**19,225**	**88,285**
Naphthas and Lighter	**885**	**3,229**	**11,777**	**546**	**2,777**	**19,214**
Refinery	885	3,185	10,799	546	2,609	18,024
Bulk Terminal	– –	– –	– –	– –	– –	– –
Kerosene and Light Gas Oils	**245**	**2,633**	**9,147**	**731**	**3,424**	**16,180**
Refinery	245	2,633	7,027	731	3,420	14,056
Bulk Terminal	–	–	2,120	–	4	2,124
Heavy Gas Oils	**2,083**	**5,929**	**21,371**	**1,117**	**10,004**	**40,504**
Refinery	2,080	5,641	19,698	1,117	8,558	37,094
Bulk Terminal	3	288	1,673	–	1,446	3,410
Residuum	**392**	**2,054**	**6,423**	**498**	**3,020**	**12,387**
Refinery	392	2,054	6,352	498	3,020	12,316
Bulk Terminal	–	–	71	–	–	71
Motor Gasoline Blending Components[2]	**56,086**	**43,170**	**79,071**	**6,291**	**27,666**	**212,284**
Refinery	3,709	13,341	27,171	3,116	13,911	61,248
Bulk Terminal	40,788	21,045	32,898	2,046	11,145	107,922
Pipeline	11,589	8,784	19,002	1,129	2,610	43,114
Reformulated - RBOB	**19,645**	**4,384**	**10,022**	**461**	**13,131**	**47,644**
Refinery	1,496	817	1,637	–	5,242	9,192
Bulk Terminal	14,287	3,024	3,991	383	6,466	28,152
Pipeline	3,862	543	4,394	78	1,423	10,300
Conventional	**36,441**	**38,786**	**69,049**	**5,830**	**14,534**	**164,640**
Refinery	2,213	12,524	25,534	3,116	8,669	52,056
Bulk Terminal	26,501	18,021	28,907	1,663	4,678	79,770
Pipeline	7,727	8,241	14,608	1,051	1,187	32,814
CBOB	**26,930**	**31,216**	**39,496**	**4,308**	**7,684**	**109,634**
Refinery	288	6,422	11,520	1,596	2,267	22,093
Bulk Terminal	18,960	17,035	13,941	1,661	4,273	55,870
Pipeline	7,682	7,759	14,035	1,051	1,144	31,671
GTAB	**1,299**	**–**	**16**	**–**	**–**	**1,315**
Refinery	–	–	–	–	–	–
Bulk Terminal	1,299	–	16	–	–	1,315
Pipeline	–	–	–	–	–	–
Other	**8,212**	**7,570**	**29,537**	**1,522**	**6,850**	**53,691**
Refinery	1,925	6,102	14,014	1,520	6,402	29,963
Bulk Terminal	6,242	986	14,950	2	405	22,585
Pipeline	45	482	573	–	43	1,143
Aviation Gasoline Blending Components	**–**	**–**	**27**	**–**	**–**	**27**
Refinery	–	–	27	–	–	27
Bulk Terminal	–	–	–	–	–	–
Finished Motor Gasoline	**2,711**	**3,721**	**5,817**	**873**	**2,216**	**15,338**
Refinery	43	928	2,693	595	727	4,986
Bulk Terminal	928	890	2,805	149	1,459	6,231
Pipeline	1,740	1,903	319	129	30	4,121
Reformulated	**4**	**–**	**–**	**–**	**16**	**20**
Refinery	–	–	–	–	16	16
Bulk Terminal	4	–	–	–	–	4
Pipeline	–	–	–	–	–	–
Reformulated (Blended with Fuel Ethanol)	**4**	**–**	**–**	**–**	**16**	**20**
Refinery	–	–	–	–	16	16
Bulk Terminal	4	–	–	–	–	4
Pipeline	–	–	–	–	–	–
Reformulated (Other)	**–**	**–**	**–**	**–**	**–**	**–**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	–	–
Pipeline	–	–	–	–	–	–
Conventional	**2,707**	**3,721**	**5,817**	**873**	**2,200**	**15,318**
Refinery	43	928	2,693	595	711	4,970
Bulk Terminal	924	890	2,805	149	1,459	6,227
Pipeline	1,740	1,903	319	129	30	4,121
Conventional (Blended with Fuel Ethanol)	**–**	**200**	**–**	**65**	**8**	**273**
Refinery	–	–	–	63	–	63
Bulk Terminal	–	200	–	2	8	210
Pipeline	–	–	–	–	–	–
Ed55 and Lower	**–**	**200**	**–**	**65**	**–**	**265**
Refinery	–	–	–	63	–	63
Bulk Terminal	–	200	–	2	–	202
Pipeline	–	–	–	–	–	–
Greater than Ed55	**–**	**0**	**–**	**–**	**8**	**8**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	0	–	–	8	8
Pipeline	–	–	–	–	–	–
Conventional (Other)	**2,707**	**3,521**	**5,817**	**808**	**2,192**	**15,045**
Refinery	43	928	2,693	532	711	4,907
Bulk Terminal	924	690	2,805	147	1,451	6,017
Pipeline	1,740	1,903	319	129	30	4,121

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	**179**	**180**	**517**	**8**	**266**	**1,150**
Refinery	–	17	376	8	159	560
Bulk Terminal	179	163	141	–	107	590
Pipeline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	**12,392**	**7,173**	**14,069**	**808**	**9,036**	**43,478**
Refinery	496	2,083	6,213	318	3,172	12,282
Bulk Terminal	6,129	3,356	3,323	368	4,979	18,155
Pipeline	5,767	1,734	4,533	122	885	13,041
Kerosene	**461**	**230**	**727**	**2**	**5**	**1,425**
Refinery	102	207	101	2	1	413
Bulk Terminal	344	23	617	–	4	988
Pipeline	15	–	9	–	–	24
Distillate Fuel Oil[2]	**27,918**	**31,173**	**44,578**	**3,733**	**11,768**	**119,170**
Refinery	1,861	6,521	15,572	1,731	4,945	30,630
Bulk Terminal	19,504	17,339	16,736	1,375	5,775	60,729
Pipeline	6,553	7,313	12,270	627	1,048	27,811
15 ppm sulfur and Under	**26,577**	**30,540**	**38,248**	**3,514**	**11,035**	**109,914**
Refinery	1,492	6,177	12,871	1,567	4,418	26,525
Bulk Terminal	18,608	17,287	13,270	1,320	5,640	56,125
Pipeline	6,477	7,076	12,107	627	977	27,264
Greater than 15 ppm to 500 ppm sulfur	**508**	**282**	**1,135**	**163**	**314**	**2,402**
Refinery	102	72	651	108	300	1,233
Bulk Terminal	406	39	400	55	2	902
Pipeline	–	171	84	–	12	267
Greater than 500 ppm sulfur	**833**	**351**	**5,195**	**56**	**419**	**6,854**
Refinery	267	272	2,050	56	227	2,872
Bulk Terminal	490	13	3,066	–	133	3,702
Pipeline	76	66	79	–	59	280
Residual Fuel Oil	**5,627**	**1,317**	**15,958**	**225**	**4,384**	**27,511**
Refinery	320	914	3,404	225	2,192	7,055
Bulk Terminal	5,307	403	12,554	–	2,192	20,456
Pipeline	–	–	–	–	–	–
Less than 0.31% Sulfur	**568**	**247**	**799**	**23**	**806**	**2,443**
Refinery	14	243	30	23	31	341
Bulk Terminal	554	4	769	–	775	2,102
0.31% to 1.00% Sulfur	**992**	**551**	**3,804**	**8**	**575**	**5,930**
Refinery	102	204	681	8	266	1,261
Bulk Terminal	890	347	3,123	–	309	4,669
Greater than 1.00% Percent Sulfur	**4,067**	**519**	**11,355**	**194**	**3,003**	**19,138**
Refinery	204	467	2,693	194	1,895	5,453
Bulk Terminal	3,863	52	8,662	–	1,108	13,685
Petrochemical Feedstocks	**6**	**546**	**2,182**	**–**	**–**	**2,734**
Refinery	6	546	2,182	–	–	2,734
Naphtha for Petrochemical Feedstock Use	–	418	1,493	–	–	1,911
Other Oils for Petrochemical Feedstock Use	6	128	689	–	–	823
Special Naphthas	**56**	**184**	**860**	**–**	**34**	**1,134**
Refinery	37	87	850	–	34	1,008
Bulk Terminal	19	97	10	–	–	126
Lubricants	**1,367**	**727**	**8,568**	**–**	**964**	**11,626**
Refinery	856	244	5,223	–	725	7,048
Bulk Terminal	511	483	3,345	–	239	4,578
Waxes	**309**	**64**	**242**	**–**	**–**	**615**
Refinery	309	64	242	–	–	615
Petroleum Coke	**–**	**2,450**	**3,122**	**127**	**896**	**6,595**
Refinery	–	2,450	3,122	127	896	6,595
Asphalt and Road Oil	**5,903**	**10,195**	**4,385**	**1,858**	**2,023**	**24,364**
Refinery	528	4,309	1,612	1,002	679	8,130
Bulk Terminal	5,375	5,886	2,773	856	1,344	16,234
Miscellaneous Products	**52**	**206**	**504**	**16**	**60**	**838**
Refinery	52	100	483	16	54	705
Bulk Terminal	–	106	21	–	6	133
Pipeline	–	–	–	–	–	–
Total Stocks, All Oils	**144,017**	**294,202**	**1,010,674**	**50,837**	**134,930**	**1,634,660**

– – = 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, September 2023
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components[1]			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	**4**	**967**	**971**	**15,783**	**28,714**	**44,497**	**446**
Connecticut	–	–	–	931	49	980	9
Delaware	–	–	–	831	415	1,246	92
District of Columbia	–	–	–	–	–	–	–
Florida	–	378	378	–	6,416	6,416	–
Georgia	–	57	57	–	2,325	2,325	–
Maine	–	–	–	92	421	513	152
Maryland	–	–	–	902	59	961	9
Massachusetts	3	–	3	1,057	–	1,057	–
New Hampshire	–	–	–	–	–	–	–
New Jersey	–	300	300	8,993	8,905	17,898	14
New York	1	–	1	932	1,608	2,540	77
North Carolina	–	34	34	–	2,417	2,417	7
Pennsylvania	–	–	–	462	3,609	4,071	48
Rhode Island	–	–	–	584	52	636	–
South Carolina	–	121	121	–	1,069	1,069	12
Vermont	–	–	–	–	11	11	2
Virginia	–	21	21	999	1,179	2,178	24
West Virginia	–	56	56	–	179	179	–
PAD District 2	**–**	**1,818**	**1,818**	**3,841**	**30,545**	**34,386**	**230**
Illinois	–	38	38	2,092	4,296	6,388	157
Indiana	–	120	120	810	3,520	4,330	1
Iowa	–	22	22	–	1,296	1,296	–
Kansas	–	141	141	–	2,558	2,558	23
Kentucky	–	108	108	276	1,349	1,625	–
Michigan	–	13	13	30	3,085	3,115	–
Minnesota	–	198	198	0	2,867	2,867	–
Missouri	–	75	75	263	712	975	–
Nebraska	–	42	42	–	373	373	–
North Dakota	–	56	56	–	702	702	–
Ohio	–	589	589	–	3,969	3,969	6
Oklahoma	–	282	282	–	2,165	2,165	21
South Dakota	–	16	16	–	282	282	–
Tennessee	–	52	52	–	2,048	2,048	–
Wisconsin	–	66	66	370	1,323	1,693	22
PAD District 3	**–**	**5,498**	**5,498**	**5,628**	**54,441**	**60,069**	**718**
Alabama	–	78	78	7	1,417	1,424	5
Arkansas	–	105	105	–	1,012	1,012	–
Louisiana	–	709	709	164	11,975	12,139	1
Mississippi	–	1,348	1,348	8	2,289	2,297	–
New Mexico	–	24	24	21	536	557	–
Texas	–	3,234	3,234	5,428	37,212	42,640	712
PAD District 4	**–**	**744**	**744**	**383**	**4,779**	**5,162**	**2**
Colorado	–	2	2	383	1,034	1,417	–
Idaho	–	6	6	–	322	322	–
Montana	–	275	275	–	1,398	1,398	–
Utah	–	99	99	–	1,357	1,357	2
Wyoming	–	362	362	–	668	668	–
PAD District 5	**16**	**2,170**	**2,186**	**11,708**	**13,347**	**25,056**	**5**
Alaska	–	261	261	–	382	382	4
Arizona	–	124	124	786	237	1,023	–
California	16	391	407	10,432	6,595	17,028	1
Hawaii	–	523	523	–	658	658	–
Nevada	–	169	169	5	392	397	–
Oregon	–	79	79	–	1,085	1,085	–
Washington	–	623	623	485	3,998	4,483	–
U.S. Total	**20**	**11,197**	**11,217**	**37,344**	**131,826**	**169,170**	**1,401**

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, September 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	**20,100**	**508**	**757**	**21,365**	**5,627**	**7,201**
Connecticut	974	–	–	974	5	–
Delaware	429	21	71	521	410	8
District of Columbia	–	–	–	–	–	–
Florida	1,854	104	–	1,958	1,018	349
Georgia	1,134	–	–	1,134	151	11
Maine	759	2	–	761	37	–
Maryland	479	–	–	479	178	–
Massachusetts	743	17	–	760	37	–
New Hampshire	221	–	–	221	18	560
New Jersey	5,763	33	292	6,088	2,816	80
New York	1,863	–	70	1,933	451	2,425
North Carolina	825	–	–	825	–	387
Pennsylvania	2,639	–	44	2,683	263	2,242
Rhode Island	532	–	–	532	–	–
South Carolina	618	–	–	618	132	768
Vermont	6	–	–	6	–	–
Virginia	1,098	253	280	1,631	111	4
West Virginia	163	78	–	241	–	78
PAD District 2	**23,464**	**111**	**285**	**23,860**	**1,317**	**24,660**
Illinois	3,033	–	2	3,035	546	971
Indiana	4,028	–	94	4,122	272	388
Iowa	1,873	–	–	1,873	1	379
Kansas	2,260	–	–	2,260	25	14,959
Kentucky	862	–	–	862	–	383
Michigan	1,675	–	–	1,675	139	5,843
Minnesota	1,881	–	30	1,911	105	630
Missouri	557	34	5	596	–	70
Nebraska	634	–	–	634	–	362
North Dakota	721	–	–	721	24	46
Ohio	2,074	5	89	2,168	88	509
Oklahoma	1,099	72	65	1,236	56	60
South Dakota	496	–	–	496	–	18
Tennessee	837	–	–	837	60	4
Wisconsin	1,433	–	–	1,433	1	38
PAD District 3	**26,141**	**1,051**	**5,116**	**32,308**	**15,958**	**53,129**
Alabama	1,041	6	80	1,127	498	16
Arkansas	701	–	–	701	–	25
Louisiana	5,115	436	846	6,397	7,079	3,810
Mississippi	853	397	62	1,312	420	5,162
New Mexico	311	–	–	311	46	4
Texas	18,120	212	4,128	22,460	7,915	44,112
PAD District 4	**2,887**	**163**	**56**	**3,106**	**225**	**1,675**
Colorado	623	–	–	623	7	13
Idaho	192	–	–	192	–	–
Montana	842	94	13	949	62	17
Utah	648	11	43	702	76	1,579
Wyoming	582	58	–	640	80	66
PAD District 5	**10,058**	**302**	**360**	**10,720**	**4,384**	**2,646**
Alaska	894	–	65	959	119	2
Arizona	661	–	–	661	–	1,567
California	4,668	300	160	5,128	2,870	668
Hawaii	279	2	132	413	464	56
Nevada	399	–	3	402	–	–
Oregon	997	–	–	997	145	–
Washington	2,160	–	–	2,160	786	353
U.S. Total	**82,650**	**2,135**	**6,574**	**91,359**	**27,511**	**89,311**

– = 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, September 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	**549**	**26**	**0**	**950**	**64,104**	**8,062**	**2,960**	**441**	**18,039**
Petroleum Products	**17,269**	**83**	**0**	**22,486**	**48,745**	**15,417**	**5,145**	**96,749**	**20,389**
Natural Gas Liquids	8,061	67	0	7,229	38,513	11,506	674	1,374	11,244
Ethane	6,240	0	–	288	18,164	2,635	–	0	1,018
Propane	1,045	7	0	4,953	11,019	4,590	352	1,374	1,537
Normal Butane	276	22	0	1,810	4,107	1,907	269	0	392
Isobutane	492	38	0	178	1,534	668	52	0	1,269
Natural Gasoline	9	0	–	0	3,689	1,706	–	0	7,028
Refinery Olefins	0	0	–	220	578	–	–	0	0
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	0	0	–	220	578	–	–	0	0
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	21	0	–	0	662	–	–	300	52
Motor Gasoline Blending Components	6,181	0	0	1,409	1,278	1,739	0	56,510	4,768
Reformulated - RBOB	0	0	0	0	0	203	0	6,067	2,250
Conventional	6,181	0	0	1,409	1,278	1,536	0	50,443	2,518
CBOB	6,181	0	0	1,409	1,175	1,536	0	49,439	2,066
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	–	0	103	–	–	1,004	452
Biofuels (including Fuel Ethanol)	0	0	0	9,555	5,109	468	4,258	33	0
Fuel Ethanol	0	0	0	9,497	4,916	447	4,019	0	0
Biodiesel	0	0	0	59	194	20	239	0	0
Renewable Diesel Fuel	–	0	0	0	0	–	0	29	–
Other Biofuels[2]	–	0	–	0	0	–	–	4	–
Finished Motor Gasoline	66	0	0	717	150	113	0	1,567	242
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	66	0	0	717	150	113	0	1,567	242
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	66	0	0	717	150	113	0	1,567	242
Finished Aviation Gasoline	0	0	–	0	0	–	–	88	25
Kerosene-Type Jet Fuel	357	0	0	975	138	700	0	14,532	1,248
Kerosene	–	0	–	0	0	–	–	174	–
Distillate Fuel Oil	2,566	0	0	1,306	622	847	0	21,634	2,447
15 ppm sulfur and under	2,566	0	0	1,306	622	847	0	21,436	2,310
Greater than 15 ppm to 500 ppm sulfur	0	0	–	–	0	–	–	–	137
Greater than 500 ppm sulfur	–	0	–	0	0	–	–	198	–
Residual Fuel Oil	0	0	–	–	239	–	–	–	0
Petrochemical Feedstocks	0	0	–	–	145	–	–	–	45
Naphtha for Petrochemical Feedstock Use	0	0	–	–	78	–	–	–	45
Other Oils for Petrochemical Feedstock Use	0	0	–	–	67	–	–	–	0
Special Naphthas	0	0	–	–	0	–	–	–	17
Lubricants	0	0	0	41	0	–	0	223	90
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	16	0	238	990	29	19	13	26
Asphalt and Road Oil	16	0	0	795	320	15	194	301	178
Miscellaneous Products	0	0	–	–	0	–	–	–	7
Total	**17,818**	**109**	**0**	**23,435**	**112,849**	**23,479**	**8,105**	**97,190**	**38,428**

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, September 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**	**26,706**	**796**	**0**	**0**	**0**	**0**
Petroleum Products	**0**	**4,737**	**0**	**23,365**	**5,305**	**2,018**	**0**	**6**	**30**
Natural Gas Liquids	0	83	0	22,220	5,162	107	0	0	0
Ethane	0	–	0	6,468	1,937	–	0	0	0
Propane	0	0	0	8,109	1,512	89	0	0	0
Normal Butane	0	64	0	3,181	577	14	0	0	0
Isobutane	0	19	0	1,475	352	3	0	0	0
Natural Gasoline	0	–	0	2,987	784	–	0	0	0
Refinery Olefins	–	–	0	0	0	–	0	0	–
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	–	–	0	0	0	–	0	0	–
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	–	–	0	0	0	–	0	0	–
Motor Gasoline Blending Components	0	2,644	0	217	0	1,113	0	0	0
Reformulated - RBOB	0	976	0	0	0	0	0	0	0
Conventional	0	1,668	0	217	0	1,113	0	0	0
CBOB	0	1,668	0	217	0	1,113	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	–	–	0	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	0	828	0	0	0	13	0	0	25
Fuel Ethanol	0	199	0	0	0	13	0	0	0
Biodiesel	0	14	0	0	0	0	0	0	25
Renewable Diesel Fuel	–	615	0	–	0	0	0	0	–
Other Biofuels[2]	–	–	0	–	0	–	0	0	–
Finished Motor Gasoline	0	0	0	413	0	103	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	0	0	0	413	0	103	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	0	0	0	413	0	103	0	0	0
Finished Aviation Gasoline	–	–	0	0	0	–	0	0	–
Kerosene-Type Jet Fuel	0	229	0	12	0	9	0	0	0
Kerosene	–	–	0	–	0	–	0	0	–
Distillate Fuel Oil	0	852	0	356	0	259	0	0	0
15 ppm sulfur and under	0	852	0	356	0	259	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	–	39	0	0	0	0	0	0	–
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	0	0	51	32	155	0	6	0
Asphalt and Road Oil	0	62	0	97	112	259	0	0	5
Miscellaneous Products	–	–	–	0	0	–	–	0	–
Total	**0**	**4,737**	**0**	**50,071**	**6,101**	**2,018**	**0**	**6**	**30**

– = 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, September 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	**164**	**26**	**238**	**63,986**	**8,062**	**113**	**18,039**	**0**	**–**
Petroleum Products	**16,811**	**0**	**9,155**	**39,595**	**14,905**	**76,017**	**19,656**	**0**	**3,725**
Natural Gas Liquids	7,689	0	5,806	37,983	11,506	1,174	11,118	0	–
Ethane	6,240	0	288	18,164	2,635	0	1,018	0	–
Propane	1,006	0	4,285	10,672	4,590	1,174	1,512	0	–
Normal Butane	129	0	1,233	3,999	1,907	0	385	0	–
Isobutane	305	0	0	1,459	668	0	1,175	0	–
Natural Gasoline	9	0	0	3,689	1,706	0	7,028	0	–
Motor Gasoline Blending Components	6,181	0	704	1,096	1,739	44,333	4,768	0	2,644
Reformulated - RBOB	0	0	0	0	203	6,067	2,250	0	976
Conventional	6,181	0	704	1,096	1,536	38,266	2,518	0	1,668
CBOB	6,181	0	704	1,096	1,536	37,553	2,066	0	1,668
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	0	0	–	713	452	–	–
Biofuels (including Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Fuel Ethanol	–	–	–	–	–	–	–	–	–
Biodiesel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Other Biofuels[1]	– –	– –	– –	– –	– –	– –	– –	– –	– –
Finished Motor Gasoline	66	0	660	0	113	732	217	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	66	0	660	0	113	732	217	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	66	0	660	0	113	732	217	0	0
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	357	0	935	60	700	11,480	1,248	0	229
Kerosene	–	0	0	0	–	174	–	–	–
Distillate Fuel Oil	2,518	0	1,050	456	847	18,124	2,305	0	852
15 ppm sulfur and under	2,518	0	1,050	456	847	17,926	2,168	0	852
Greater than 15 ppm to 500 ppm sulfur	0	0	–	0	–	–	137	–	–
Greater than 500 ppm sulfur	– –	– –	– –	– –	– –	– –	– –	– –	– –
Residual Fuel Oil	–	–	–	–	–	–	–	–	–
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total	**16,975**	**26**	**9,393**	**103,581**	**22,967**	**76,130**	**37,695**	**0**	**3,725**

See footnotes at end of table.

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

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	**0**	**26,706**	**289**	**–**	**0**	**0**
Petroleum Products	**0**	**23,218**	**5,162**	**1,484**	**0**	**0**
Natural Gas Liquids	0	22,220	5,162	–	0	0
Ethane	0	6,468	1,937	–	0	0
Propane	0	8,109	1,512	–	0	0
Normal Butane	0	3,181	577	–	0	0
Isobutane	0	1,475	352	–	0	0
Natural Gasoline	0	2,987	784	–	0	0
Motor Gasoline Blending Components	0	217	0	1,113	0	0
Reformulated - RBOB	0	0	0	0	0	0
Conventional	0	217	0	1,113	0	0
CBOB	0	217	0	1,113	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	413	0	103	0	0
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	413	0	103	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	413	0	103	0	0
Finished Aviation Gasoline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	12	0	9	0	0
Kerosene	0	–	0	–	0	–
Distillate Fuel Oil	0	356	0	259	0	0
15 ppm sulfur and under	0	356	0	259	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**	**49,924**	**5,451**	**1,484**	**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, September 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	**385**	**0**	**–**	**328**	**118**	**–**
Petroleum Products	**69**	**0**	**0**	**1,490**	**1,934**	**0**
Natural Gas Liquids	–	0	–	0	0	–
Ethane	–	–	–	–	–	–
Propane	–	0	–	0	0	–
Normal Butane	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–
Unfinished Oils	21	0	–	0	662	–
Motor Gasoline Blending Components	0	0	–	705	182	–
Reformulated - RBOB	–	–	–	–	–	–
Conventional	0	0	–	705	182	–
CBOB	0	0	–	705	79	–
GTAB	–	–	–	–	–	–
Other	0	0	–	0	103	–
Biofuels (including Fuel Ethanol)	0	0	0	391	278	0
Fuel Ethanol	0	0	–	391	278	–
Biodiesel	–	–	–	–	–	–
Renewable Diesel Fuel	–	0	0	0	0	0
Other Biofuels[1]	–	0	–	0	0	–
Finished Motor Gasoline	0	0	–	57	150	–
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	0	–	57	150	–
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	0	–	57	150	–
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	0	0	–	40	78	–
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	48	0	–	256	166	–
15 ppm sulfur and under	48	0	–	256	166	–
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–
Greater than 500 ppm sulfur	–	–	–	–	–	–
Residual Fuel Oil	0	0	–	–	239	–
Less than 0.31 percent sulfur	–	–	–	–	–	–
0.31 to 1.00 percent sulfur	0	0	–	–	153	–
Greater than 1.00 percent sulfur	0	0	–	–	86	–
Petrochemical Feedstocks	0	0	–	–	145	–
Naphtha for Petrochemical Feedstock Use	0	0	–	–	78	–
Other Oils for Petrochemical Feedstock Use	0	0	–	–	67	–
Special Naphthas	0	0	–	–	0	–
Lubricants	0	0	0	41	0	0
Waxes	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–
Asphalt and Road Oil	0	0	–	0	34	–
Miscellaneous Products	0	0	–	–	0	–
Total	**454**	**0**	**0**	**1,818**	**2,052**	**0**

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, September 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	**328**	**–**	**328**	**–**	**0**	**–**	**0**	**0**	**0**
Petroleum Products	**20,440**	**33**	**736**	**19,671**	**504**	**654**	**0**	**0**	**0**
Natural Gas Liquids	28	–	–	28	–	–	0	–	0
Ethane	–	–	–	–	–	–	–	–	–
Propane	28	–	–	28	–	–	0	–	0
Normal Butane	–	–	–	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–	–	–	–
Unfinished Oils	300	–	300	–	52	–	0	0	0
Motor Gasoline Blending Components	12,177	–	291	11,886	0	–	0	0	0
Reformulated - RBOB	–	–	–	–	–	–	–	–	–
Conventional	12,177	–	291	11,886	0	–	0	0	0
CBOB	11,886	–	–	11,886	0	–	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	291	–	291	–	0	–	0	0	0
Biofuels (including Fuel Ethanol)	33	33	–	–	0	615	0	0	0
Fuel Ethanol	0	–	–	–	0	–	0	0	0
Biodiesel	–	–	–	–	–	–	–	–	–
Renewable Diesel Fuel	29	29	–	–	–	615	0	–	0
Other Biofuels[1]	4	4	–	–	–	–	0	–	0
Finished Motor Gasoline	835	–	–	835	25	–	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	835	–	–	835	25	–	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	835	–	–	835	25	–	0	0	0
Finished Aviation Gasoline	88	–	31	57	25	–	0	0	0
Kerosene-Type Jet Fuel	3,052	–	–	3,052	0	–	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	3,510	–	–	3,510	142	–	0	0	0
15 ppm sulfur and under	3,510	–	–	3,510	142	–	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	–	–	–	–	45	–	–	0	0
Naphtha for Petrochemical Feedstock Use	–	–	–	–	45	–	–	0	0
Other Oils for Petrochemical Feedstock Use	–	–	–	–	0	–	–	0	0
Special Naphthas	–	–	–	–	17	–	–	0	0
Lubricants	223	–	114	109	90	39	0	0	0
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	194	–	–	194	101	–	0	0	0
Miscellaneous Products	–	–	–	–	7	–	–	0	0
Total	**20,768**	**33**	**1,064**	**19,671**	**504**	**654**	**0**	**0**	**0**

– = 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, September 2023
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	384	0	0	2,960
Propane	39	7	0	0	668	347	0	352
Propylene	0	0	–	–	220	578	–	–
Normal Butane	147	22	0	0	577	108	0	269
Isobutane	187	38	0	0	178	75	0	52
Fuel Ethanol	0	0	0	0	9,106	4,638	447	4,019
Biodiesel	0	0	0	0	59	194	20	239
Marketable Petroleum Coke	0	16	0	0	238	990	29	19
Asphalt and Road Oil	16	0	0	0	795	286	15	194

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	0	0	0	507	0
Propane	172	25	0	0	0	0	0	89
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	7	0	64	0	0	0	14
Isobutane	0	94	0	19	0	0	0	3
Fuel Ethanol	0	0	0	199	0	0	0	13
Biodiesel	0	0	0	14	0	0	0	0
Marketable Petroleum Coke	13	26	0	0	0	51	32	155
Asphalt and Road Oil	107	77	0	62	0	97	112	259

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	25
Marketable Petroleum Coke	0	39	6	0
Asphalt and Road Oil	0	0	0	5

– = 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, September 2023
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	164	385	0	549
3	26	0	0	26
4	0	–	0	0
5	–	–	0	0
From 2 to				
1	238	328	384	950
3	63,986	118	0	64,104
4	8,062	–	0	8,062
5	–	–	2,960	2,960
From 3 to				
1	113	328	0	441
2	18,039	0	0	18,039
4	0	–	0	0
5	–	–	0	0
From 4 to				
1	0	0	0	0
2	26,706	0	0	26,706
3	289	0	507	796
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, September 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	**1,391**	**575**	**816**	**45,294**	**76,076**	**-30,782**	**64,926**	**18,480**	**46,446**
Petroleum Products	**119,235**	**17,351**	**101,883**	**61,061**	**91,793**	**-30,731**	**54,139**	**121,874**	**-67,735**
Natural Gas Liquids	8,603	8,128	475	41,525	57,921	-16,396	43,742	12,701	31,041
Ethane	288	6,240	-5,952	13,726	21,087	-7,361	20,101	1,018	19,083
Propane	6,328	1,052	5,276	10,691	20,915	-10,225	12,538	2,911	9,627
Normal Butane	1,810	298	1,512	3,849	8,093	-4,244	4,706	456	4,250
Isobutane	178	529	-352	3,236	2,432	804	1,923	1,288	635
Natural Gasoline	0	9	-9	10,024	5,395	4,629	4,473	7,028	-2,555
Refinery Olefins	220	0	220	0	799	-799	578	0	578
Ethylene	0	0	–	–	–	–	0	0	–
Propylene	220	0	220	0	799	-799	578	0	578
Normal Butylene	0	0	–	0	0	–	0	0	–
Isobutylene	0	0	–	0	0	–	0	0	–
Unfinished Oils	300	21	279	73	662	-589	662	352	310
Motor Gasoline Blending Components	57,919	6,181	51,738	11,166	4,426	6,740	1,278	63,922	-62,644
Reformulated - RBOB	6,067	0	6,067	2,250	203	2,047	0	9,293	-9,293
Conventional	51,852	6,181	45,671	8,916	4,223	4,693	1,278	54,629	-53,351
CBOB	50,848	6,181	44,667	8,464	4,120	4,344	1,175	53,173	-51,998
GTAB	0	0	–	–	–	–	0	0	–
Other	1,004	0	1,004	452	103	349	103	1,456	-1,353
Biofuels (including Fuel Ethanol)	9,588	0	9,588	0	19,391	-19,391	5,109	861	4,248
Fuel Ethanol	9,497	0	9,497	0	18,879	-18,879	4,916	199	4,716
Biodiesel	59	0	59	0	512	-512	194	14	180
Renewable Diesel Fuel	29	0	29	0	0	–	0	644	-644
Other Biofuels[2]	4	0	4	0	0	–	0	4	-4
Finished Motor Gasoline	2,284	66	2,218	721	980	-259	150	1,809	-1,659
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	2,284	66	2,218	721	980	-259	150	1,809	-1,659
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	2,284	66	2,218	721	980	-259	150	1,809	-1,659
Finished Aviation Gasoline	88	0	88	25	0	25	0	113	-113
Kerosene-Type Jet Fuel	15,507	357	15,150	1,617	1,813	-196	138	16,009	-15,871
Kerosene	174	0	174	0	0	–	0	174	-174
Distillate Fuel Oil	22,940	2,566	20,374	5,369	2,775	2,594	622	24,933	-24,311
15 ppm sulfur and under	22,742	2,566	20,176	5,232	2,775	2,457	622	24,598	-23,976
Greater than 15 ppm to 500 ppm sulfur	0	0	–	137	0	137	0	137	-137
Greater than 500 ppm sulfur	198	0	198	0	0	–	0	198	-198
Residual Fuel Oil	0	0	–	0	239	-239	239	0	239
Petrochemical Feedstocks	0	0	–	45	145	-100	145	45	100
Naphtha for Petrochemical Feedstock Use	–	–	–	45	78	-33	78	45	33
Other Oils for Petrochemical Feedstock Use	0	0	–	0	67	-67	67	0	67
Special Naphthas	0	0	–	17	0	17	0	17	-17
Lubricants	264	0	264	90	41	49	0	352	-352
Waxes	0	0	–	0	0	–	0	0	–
Marketable Petroleum Coke	251	16	235	115	1,277	-1,161	1,044	39	1,005
Asphalt and Road Oil	1,095	16	1,079	291	1,324	-1,033	432	541	-108
Miscellaneous Products	0	0	–	7	0	7	0	7	-7
Total	**120,625**	**17,926**	**102,699**	**106,355**	**167,868**	**-61,513**	**119,065**	**140,354**	**-21,289**

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, September 2023 (Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	**8,062**	**27,502**	**-19,440**	**2,960**	**0**	**2,960**
Petroleum Products	**15,447**	**30,688**	**-15,241**	**11,900**	**75**	**11,825**
Natural Gas Liquids	11,506	27,489	-15,983	863	0	863
Ethane	2,635	8,405	-5,770	–	–	–
Propane	4,590	9,710	-5,120	442	0	442
Normal Butane	1,907	3,772	-1,865	347	0	347
Isobutane	668	1,830	-1,162	74	0	74
Natural Gasoline	1,706	3,771	-2,065	0	0	–
Refinery Olefins	0	0	–	0	0	–
Ethylene	–	–	–	–	–	–
Propylene	0	0	–	0	0	–
Normal Butylene	0	0	–	0	0	–
Isobutylene	0	0	–	0	0	–
Unfinished Oils	0	0	–	0	0	–
Motor Gasoline Blending Components	1,739	1,330	409	3,757	0	3,757
Reformulated - RBOB	203	0	203	976	0	976
Conventional	1,536	1,330	206	2,781	0	2,781
CBOB	1,536	1,330	206	2,781	0	2,781
GTAB	–	–	–	0	0	–
Other	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	492	13	479	5,100	25	5,075
Fuel Ethanol	447	13	434	4,232	0	4,232
Biodiesel	45	0	45	253	25	228
Renewable Diesel Fuel	0	0	–	615	0	615
Other Biofuels[2]	0	0	–	0	0	–
Finished Motor Gasoline	113	516	-403	103	0	103
Reformulated	0	0	–	0	0	–
Reformulated Blended with Fuel Ethanol	0	0	–	0	0	–
Reformulated Other	–	–	–	–	–	–
Conventional	113	516	-403	103	0	103
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	113	516	-403	103	0	103
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	700	21	679	238	0	238
Kerosene	0	0	–	0	0	–
Distillate Fuel Oil	847	615	232	1,111	0	1,111
15 ppm sulfur and under	847	615	232	1,111	0	1,111
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	–	39	0	39
Waxes	0	0	–	0	0	–
Marketable Petroleum Coke	29	237	-208	174	45	129
Asphalt and Road Oil	21	467	-447	515	5	509
Miscellaneous Products	0	0	–	0	0	–
Total	**23,509**	**58,190**	**-34,681**	**14,860**	**75**	**14,785**

– = 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.

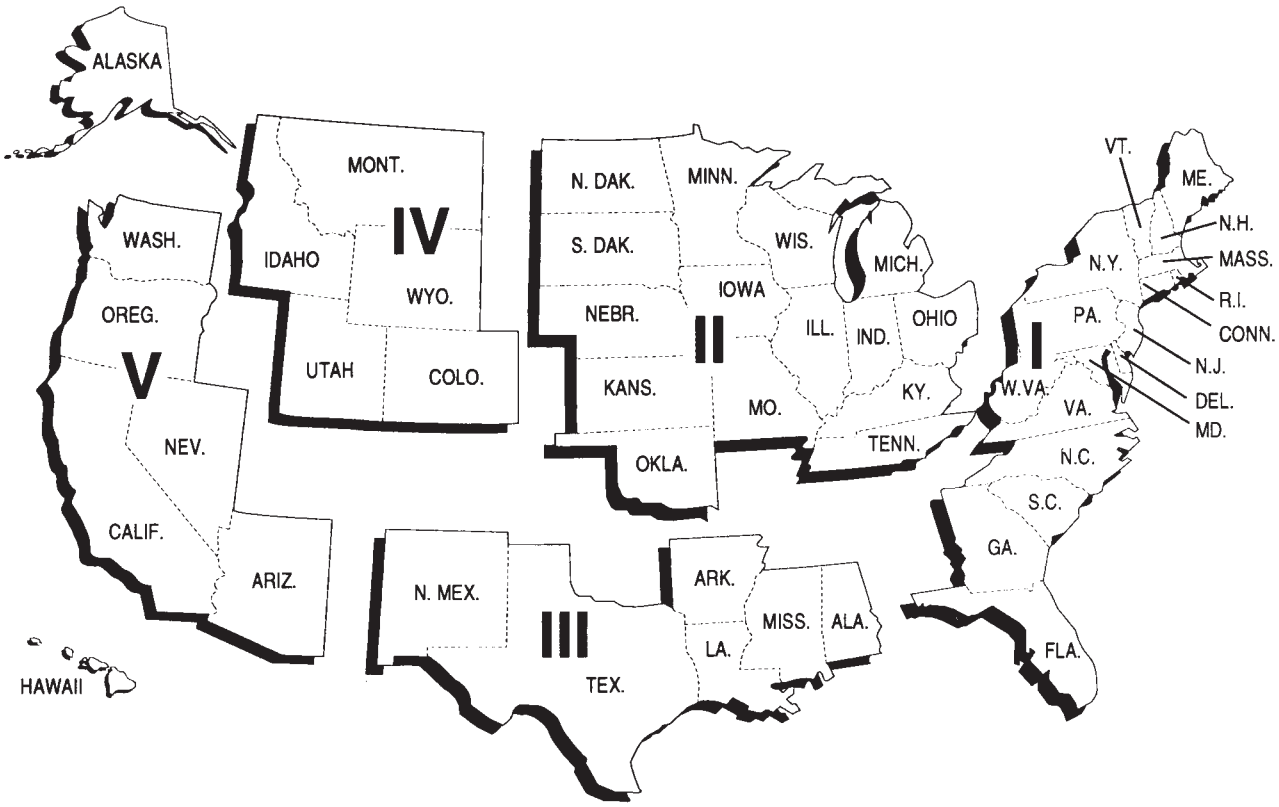
PAD District IV

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

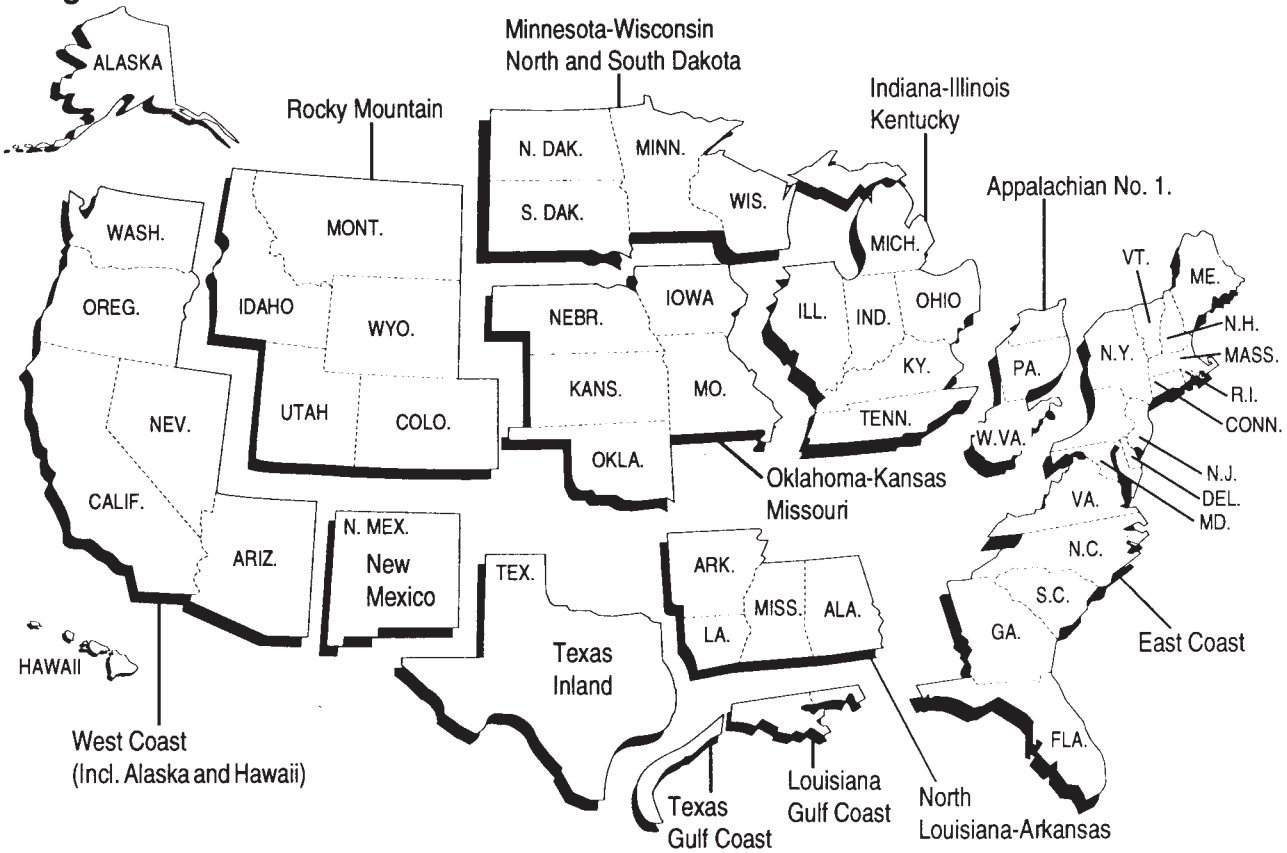
PAD District V

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	300	300	200	201	900	99	
Sep-23	300	300	200	201	900	99	
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	79	9	34	122
Sep-23	82	9	34	122
Oct-23				
Nov-23				
Dec-23				

Source: New York State Energy Research & Development Authority