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Petroleum Supply Monthly

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

Commodity	Supply					Disposition				Ending Stocks
	Field Production	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]	**349,530**	**– –**	**– –**	**184,689**	**12,291**	**12,550**	**422,025**	**111,935**	**0**	**843,936**
Hydrocarbon Gas Liquids	**166,920**	**-649**	**11,453**	**6,462**	**– –**	**-13,139**	**20,773**	**74,078**	**102,474**	**174,722**
Natural Gas Liquids	166,920	-649	5,314	5,887	– –	-13,106	20,773	74,078	95,727	172,894
Ethane	69,570	– –	127	–	– –	-377	– –	13,279	56,795	52,141
Propane	52,383	– –	7,535	4,869	– –	-8,024	– –	43,490	29,321	60,588
Normal Butane	14,928	–	-1,844	852	– –	-3,224	8,169	12,702	-3,711	26,792
Isobutane	12,338	–	-504	162	– –	-823	6,398	106	6,315	11,207
Natural Gasoline	17,701	-649	– –	4	– –	-658	6,206	4,501	7,007	22,166
Refinery Olefins	– –	– –	6,139	575	– –	-33	– –	– –	6,747	1,828
Ethylene	– –	– –	–	–	– –	0	– –	– –	0	0
Propylene	– –	– –	6,332	407	– –	-118	– –	– –	6,857	845
Normal Butylene	– –	– –	-193	168	– –	98	– –	– –	-123	983
Isobutylene	– –	– –	–	–	– –	-13	– –	– –	13	0
Other Liquids	**– –**	**35,184**	**– –**	**32,516**	**1,889**	**6,063**	**46,609**	**11,395**	**5,521**	**347,664**
Hydrogen/Biofuels/Other Hydrocarbons	– –	35,186	– –	1,498	5,161	1,622	31,744	2,615	5,864	35,099
Hydrogen	– –	– –	– –	–	5,469	– –	5,469	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	35,186	– –	1,498	-318	1,619	26,268	2,615	5,864	35,085
Fuel Ethanol[5]	– –	28,089	– –	–	-318	917	24,372	2,483	0	26,299
Biofuels (excluding Fuel Ethanol)	– –	7,096	– –	1,498	– –	702	1,896	132	5,864	8,785
Biodiesel	– –	2,840	– –	952	– –	564	1,227	132	1,869	4,861
Renewable Diesel Fuel	– –	3,752	– –	546	– –	8	422	NA	3,868	3,565
Other Biofuels[6]	– –	504	– –	–	– –	130	247	NA	128	359
Other Hydrocarbons	– –	– –	– –	–	10	3	7	–	0	14
Unfinished Oils	– –	– –	– –	15,562	– –	2,326	5,507	8,054	-325	87,419
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	-1	– –	15,456	-3,273	2,119	9,336	727	0	225,125
Reformulated	– –	0	– –	4,327	11,328	-2,966	18,567	54	0	48,495
Conventional	– –	-1	– –	11,129	-14,601	5,085	-9,231	673	0	176,630
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	-4	22	–	-18	22
Finished Petroleum Products	**– –**	**174**	**504,738**	**25,314**	**3,590**	**6,696**	**– –**	**75,188**	**451,933**	**272,004**
Finished Motor Gasoline	– –	173	260,575	2,125	3,590	473	– –	21,975	244,016	17,173
Reformulated	– –	–	82,143	–	-9,972	-1	– –	–	72,172	22
Conventional	– –	173	178,432	2,125	13,562	474	– –	21,975	171,844	17,151
Finished Aviation Gasoline	– –	– –	327	24	– –	57	– –	–	294	1,393
Kerosene-Type Jet Fuel	– –	2	43,835	5,265	– –	1,661	– –	4,875	42,567	37,524
Kerosene	– –	–	411	–	– –	-156	– –	23	544	1,284
Distillate Fuel Oil[5]	– –	-2	131,487	8,401	– –	1,807	– –	25,569	112,510	124,821
15 ppm sulfur and under	– –	-2	125,018	8,383	– –	2,189	– –	21,151	110,059	115,303
Greater than 15 ppm to 500 ppm sulfur	– –	0	2,585	2	– –	-49	– –	2,445	191	2,289
Greater than 500 ppm sulfur	– –	–	3,884	16	– –	-333	– –	1,973	2,260	7,229
Residual Fuel Oil	– –	– –	7,728	5,666	– –	-781	– –	3,961	10,214	31,330
Less than 0.31 percent sulfur	– –	– –	1,318	484	– –	219	– –	NA	NA	2,981
0.31 to 1.00 percent sulfur	– –	– –	2,585	2,311	– –	88	– –	NA	NA	6,990
Greater than 1.00 percent sulfur	– –	– –	3,825	2,871	– –	-1,088	– –	NA	NA	21,359
Petrochemical Feedstocks	– –	– –	5,467	444	– –	89	– –	862	4,960	2,698
Naphtha for Petro. Feed. Use	– –	– –	2,973	239	– –	66	– –	–	3,146	2,052
Other Oils for Petro. Feed. Use	– –	– –	2,494	205	– –	23	– –	862	1,814	646
Special Naphthas	– –	– –	799	185	– –	-37	– –	–	1,021	1,004
Lubricants	– –	– –	3,996	1,437	– –	-9	– –	2,296	3,146	13,033
Waxes	– –	– –	139	93	– –	10	– –	131	91	593
Petroleum Coke	– –	– –	21,701	271	– –	730	– –	14,941	6,301	8,339
Marketable	– –	– –	16,688	271	– –	730	– –	14,941	1,288	8,339
Catalyst	– –	– –	5,013	– –	– –	– –	– –	– –	5,013	– –
Asphalt and Road Oil	– –	– –	8,663	1,403	– –	2,878	– –	502	6,686	31,773
Still Gas	– –	– –	17,150	– –	– –	– –	– –	– –	17,150	– –
Miscellaneous Products	– –	– –	2,460	–	– –	-26	– –	52	2,434	1,039
Total	**516,450**	**34,709**	**516,191**	**248,981**	**17,770**	**12,170**	**489,407**	**272,596**	**559,928**	**1,638,326**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
2 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
3 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
4 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
5 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
6 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	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]	**738,137**	**– –**	**– –**	**379,288**	**33,696**	**42,345**	**887,911**	**220,866**	**0**	**843,936**
Hydrocarbon Gas Liquids	**348,271**	**-1,370**	**22,357**	**13,496**	**– –**	**-36,363**	**45,597**	**153,594**	**219,926**	**174,722**
Natural Gas Liquids	348,271	-1,370	9,067	12,392	– –	-36,318	45,597	153,594	205,487	172,894
Ethane	142,951	– –	233	–	– –	-1,405	– –	28,202	116,387	52,141
Propane	110,224	– –	15,781	9,955	– –	-15,966	– –	88,641	63,285	60,588
Normal Butane	31,141	–	-6,143	2,084	– –	-14,958	19,073	27,183	-4,216	26,792
Isobutane	26,476	–	-804	345	– –	-1,001	13,400	185	13,433	11,207
Natural Gasoline	37,479	-1,370	– –	8	– –	-2,988	13,124	9,383	16,598	22,166
Refinery Olefins	– –	– –	13,290	1,104	– –	-45	– –	– –	14,439	1,828
Ethylene	– –	– –	14	–	– –	0	– –	– –	14	0
Propylene	– –	– –	13,561	896	– –	-493	– –	– –	14,950	845
Normal Butylene	– –	– –	-309	208	– –	464	– –	– –	-565	983
Isobutylene	– –	– –	24	–	– –	-16	– –	– –	40	0
Other Liquids	**– –**	**74,171**	**– –**	**65,608**	**5,418**	**22,866**	**85,020**	**22,834**	**14,478**	**347,664**
Hydrogen/Biofuels/Other Hydrocarbons	– –	74,173	– –	3,076	9,846	3,375	65,861	5,518	12,340	35,099
Hydrogen	– –	– –	– –	–	11,947	– –	11,947	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	74,173	– –	3,061	-2,114	3,371	53,890	5,518	12,340	35,085
Fuel Ethanol[5]	– –	59,279	– –	–	-2,114	1,873	49,996	5,295	0	26,299
Biofuels (excluding Fuel Ethanol)	– –	14,895	– –	3,061	– –	1,498	3,894	223	12,340	8,785
Biodiesel	– –	6,083	– –	1,882	– –	1,262	2,500	223	3,979	4,861
Renewable Diesel Fuel	– –	7,745	– –	1,179	– –	160	808	NA	7,957	3,565
Other Biofuels[6]	– –	1,066	– –	–	– –	76	586	NA	404	359
Other Hydrocarbons	– –	– –	– –	15	13	4	24	–	0	14
Unfinished Oils	– –	– –	– –	31,865	– –	1,274	14,255	14,171	2,165	87,419
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	-2	– –	30,667	-4,427	18,227	4,865	3,145	0	225,125
Reformulated	– –	0	– –	8,759	25,056	2,984	30,754	77	0	48,495
Conventional	– –	-2	– –	21,908	-29,484	15,243	-25,889	3,068	0	176,630
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	-11	39	–	-28	22
Finished Petroleum Products	**– –**	**354**	**1,054,760**	**51,061**	**6,542**	**15,813**	**– –**	**165,671**	**931,233**	**272,004**
Finished Motor Gasoline	– –	354	537,537	5,476	6,542	-239	– –	49,376	500,772	17,173
Reformulated	– –	–	168,008	–	-22,106	2	– –	–	145,900	22
Conventional	– –	354	369,529	5,476	28,648	-241	– –	49,376	354,872	17,151
Finished Aviation Gasoline	– –	– –	532	28	– –	87	– –	–	473	1,393
Kerosene-Type Jet Fuel	– –	5	94,151	8,842	– –	2,485	– –	11,141	89,371	37,524
Kerosene	– –	–	872	504	– –	-844	– –	515	1,705	1,284
Distillate Fuel Oil[5]	– –	-5	277,289	16,893	– –	6,011	– –	54,705	233,460	124,821
15 ppm sulfur and under	– –	-5	265,215	16,740	– –	6,649	– –	45,266	230,034	115,303
Greater than 15 ppm to 500 ppm sulfur	– –	0	5,456	5	– –	-210	– –	5,431	240	2,289
Greater than 500 ppm sulfur	– –	–	6,618	148	– –	-428	– –	4,008	3,186	7,229
Residual Fuel Oil	– –	– –	15,835	10,783	– –	591	– –	7,177	18,850	31,330
Less than 0.31 percent sulfur	– –	– –	2,667	789	– –	201	– –	NA	NA	2,981
0.31 to 1.00 percent sulfur	– –	– –	5,388	3,341	– –	819	– –	NA	NA	6,990
Greater than 1.00 percent sulfur	– –	– –	7,780	6,653	– –	-429	– –	NA	NA	21,359
Petrochemical Feedstocks	– –	– –	12,148	926	– –	310	– –	862	11,902	2,698
Naphtha for Petro. Feed. Use	– –	– –	7,296	530	– –	269	– –	–	7,557	2,052
Other Oils for Petro. Feed. Use	– –	– –	4,852	396	– –	41	– –	862	4,345	646
Special Naphthas	– –	– –	1,697	796	– –	27	– –	–	2,466	1,004
Lubricants	– –	– –	8,872	2,662	– –	-314	– –	5,076	6,772	13,033
Waxes	– –	– –	246	224	– –	-8	– –	256	222	593
Petroleum Coke	– –	– –	46,024	761	– –	1,465	– –	35,092	10,228	8,339
Marketable	– –	– –	35,362	761	– –	1,465	– –	35,092	-434	8,339
Catalyst	– –	– –	10,662	– –	– –	– –	– –	– –	10,662	– –
Asphalt and Road Oil	– –	– –	18,111	3,166	– –	6,097	– –	1,318	13,862	31,773
Still Gas	– –	– –	36,330	– –	– –	– –	– –	– –	36,330	– –
Miscellaneous Products	– –	– –	5,116	–	– –	144	– –	153	4,819	1,039
Total	**1,086,408**	**73,155**	**1,077,117**	**509,453**	**45,656**	**44,661**	**1,018,528**	**562,965**	**1,165,636**	**1,638,326**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
2 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
3 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
4 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
5 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
6 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	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]	**12,483**	**– –**	**– –**	**6,596**	**439**	**448**	**15,072**	**3,998**	**0**
Hydrocarbon Gas Liquids	**5,961**	**-23**	**409**	**231**	**– –**	**-469**	**742**	**2,646**	**3,660**
Natural Gas Liquids	5,961	-23	190	210	– –	-468	742	2,646	3,419
Ethane	2,485	– –	5	–	– –	-13	– –	474	2,028
Propane	1,871	– –	269	174	– –	-287	– –	1,553	1,047
Normal Butane	533	–	-66	30	– –	-115	292	454	-133
Isobutane	441	–	-18	6	– –	-29	229	4	226
Natural Gasoline	632	-23	– –	0	– –	-23	222	161	250
Refinery Olefins	– –	– –	219	21	– –	-1	– –	– –	241
Ethylene	– –	– –	–	–	– –	0	– –	– –	0
Propylene	– –	– –	226	15	– –	-4	– –	– –	245
Normal Butylene	– –	– –	-7	6	– –	4	– –	– –	-4
Isobutylene	– –	– –	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,257**	**– –**	**1,161**	**67**	**217**	**1,665**	**407**	**197**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,257	– –	54	184	58	1,134	93	209
Hydrogen	– –	– –	– –	–	195	– –	195	– –	0
Biofuels (including Fuel Ethanol)	– –	1,257	– –	54	-11	58	938	93	209
Fuel Ethanol[5]	– –	1,003	– –	–	-11	33	870	89	0
Biofuels (excluding Fuel Ethanol)	– –	253	– –	54	– –	25	68	5	209
Biodiesel	– –	101	– –	34	– –	20	44	5	67
Renewable Diesel Fuel	– –	134	– –	20	– –	0	15	NA	138
Other Biofuels[6]	– –	18	– –	–	– –	5	9	NA	5
Other Hydrocarbons	– –	– –	– –	–	0	0	0	–	0
Unfinished Oils	– –	– –	– –	556	– –	83	197	288	-12
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	552	-117	76	333	26	0
Reformulated	– –	0	– –	155	405	-106	663	2	0
Conventional	– –	0	– –	397	-521	182	-330	24	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	0	1	–	-1
Finished Petroleum Products	**– –**	**6**	**18,026**	**904**	**128**	**239**	**– –**	**2,685**	**16,140**
Finished Motor Gasoline	– –	6	9,306	76	128	17	– –	785	8,715
Reformulated	– –	–	2,934	–	-356	0	– –	–	2,578
Conventional	– –	6	6,373	76	484	17	– –	785	6,137
Finished Aviation Gasoline	– –	– –	12	1	– –	2	– –	–	11
Kerosene-Type Jet Fuel	– –	0	1,566	188	– –	59	– –	174	1,520
Kerosene	– –	–	15	–	– –	-6	– –	1	19
Distillate Fuel Oil[5]	– –	0	4,696	300	– –	65	– –	913	4,018
15 ppm sulfur and under	– –	0	4,465	299	– –	78	– –	755	3,931
Greater than 15 ppm to 500 ppm sulfur	– –	0	92	0	– –	-2	– –	87	7
Greater than 500 ppm sulfur	– –	–	139	1	– –	-12	– –	70	81
Residual Fuel Oil	– –	– –	276	202	– –	-28	– –	141	365
Less than 0.31 percent sulfur	– –	– –	47	17	– –	8	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	92	83	– –	3	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	137	103	– –	-39	– –	NA	NA
Petrochemical Feedstocks	– –	– –	195	16	– –	3	– –	31	177
Naphtha for Petro. Feed. Use	– –	– –	106	9	– –	2	– –	–	112
Other Oils for Petro. Feed. Use	– –	– –	89	7	– –	1	– –	31	65
Special Naphthas	– –	– –	29	7	– –	-1	– –	–	36
Lubricants	– –	– –	143	51	– –	0	– –	82	112
Waxes	– –	– –	5	3	– –	0	– –	5	3
Petroleum Coke	– –	– –	775	10	– –	26	– –	534	225
Marketable	– –	– –	596	10	– –	26	– –	534	46
Catalyst	– –	– –	179	– –	– –	– –	– –	– –	179
Asphalt and Road Oil	– –	– –	309	50	– –	103	– –	18	239
Still Gas	– –	– –	613	– –	– –	– –	– –	– –	613
Miscellaneous Products	– –	– –	88	–	– –	-1	– –	2	87
Total	**18,445**	**1,240**	**18,435**	**8,892**	**635**	**435**	**17,479**	**9,736**	**19,997**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
2 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
3 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
4 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
5 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
6 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	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]	**12,511**	**– –**	**– –**	**6,429**	**571**	**718**	**15,049**	**3,743**	**0**
Hydrocarbon Gas Liquids	**5,903**	**-23**	**379**	**229**	**– –**	**-616**	**773**	**2,603**	**3,728**
Natural Gas Liquids	5,903	-23	154	210	– –	-616	773	2,603	3,483
Ethane	2,423	– –	4	–	– –	-24	– –	478	1,973
Propane	1,868	– –	267	169	– –	-271	– –	1,502	1,073
Normal Butane	528	–	-104	35	– –	-254	323	461	-71
Isobutane	449	–	-14	6	– –	-17	227	3	228
Natural Gasoline	635	-23	– –	0	– –	-51	222	159	281
Refinery Olefins	– –	– –	225	19	– –	-1	– –	– –	245
Ethylene	– –	– –	0	–	– –	0	– –	– –	0
Propylene	– –	– –	230	15	– –	-8	– –	– –	253
Normal Butylene	– –	– –	-5	4	– –	8	– –	– –	-10
Isobutylene	– –	– –	0	–	– –	0	– –	– –	1
Other Liquids	**– –**	**1,257**	**– –**	**1,112**	**92**	**388**	**1,441**	**387**	**245**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,257	– –	52	167	57	1,116	94	209
Hydrogen	– –	– –	– –	–	202	– –	202	– –	0
Biofuels (including Fuel Ethanol)	– –	1,257	– –	52	-36	57	913	94	209
Fuel Ethanol[5]	– –	1,005	– –	–	-36	32	847	90	0
Biofuels (excluding Fuel Ethanol)	– –	252	– –	52	– –	25	66	4	209
Biodiesel	– –	103	– –	32	– –	21	42	4	67
Renewable Diesel Fuel	– –	131	– –	20	– –	3	14	NA	135
Other Biofuels[6]	– –	18	– –	–	– –	1	10	NA	7
Other Hydrocarbons	– –	– –	– –	0	0	0	0	–	0
Unfinished Oils	– –	– –	– –	540	– –	22	242	240	37
Motor Gasoline Blend.Comp. (MGBC)[5]	– –	0	– –	520	-75	309	82	53	0
Reformulated	– –	0	– –	148	425	51	521	1	0
Conventional	– –	0	– –	371	-500	258	-439	52	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	– –	0	1	–	0
Finished Petroleum Products	**– –**	**6**	**17,877**	**865**	**111**	**268**	**– –**	**2,808**	**15,784**
Finished Motor Gasoline	– –	6	9,111	93	111	-4	– –	837	8,488
Reformulated	– –	–	2,848	–	-375	0	– –	–	2,473
Conventional	– –	6	6,263	93	486	-4	– –	837	6,015
Finished Aviation Gasoline	– –	– –	9	0	– –	1	– –	–	8
Kerosene-Type Jet Fuel	– –	0	1,596	150	– –	42	– –	189	1,515
Kerosene	– –	–	15	9	– –	-14	– –	9	29
Distillate Fuel Oil[5]	– –	0	4,700	286	– –	102	– –	927	3,957
15 ppm sulfur and under	– –	0	4,495	284	– –	113	– –	767	3,899
Greater than 15 ppm to 500 ppm sulfur	– –	0	92	0	– –	-4	– –	92	4
Greater than 500 ppm sulfur	– –	–	112	3	– –	-7	– –	68	54
Residual Fuel Oil	– –	– –	268	183	– –	10	– –	122	319
Less than 0.31 percent sulfur	– –	– –	45	13	– –	3	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	91	57	– –	14	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	132	113	– –	-7	– –	NA	NA
Petrochemical Feedstocks	– –	– –	206	16	– –	5	– –	15	202
Naphtha for Petro. Feed. Use	– –	– –	124	9	– –	5	– –	–	128
Other Oils for Petro. Feed. Use	– –	– –	82	7	– –	1	– –	15	74
Special Naphthas	– –	– –	29	13	– –	0	– –	–	42
Lubricants	– –	– –	150	45	– –	-5	– –	86	115
Waxes	– –	– –	4	4	– –	0	– –	4	4
Petroleum Coke	– –	– –	780	13	– –	25	– –	595	173
Marketable	– –	– –	599	13	– –	25	– –	595	-7
Catalyst	– –	– –	181	– –	– –	– –	– –	– –	181
Asphalt and Road Oil	– –	– –	307	54	– –	103	– –	22	235
Still Gas	– –	– –	616	– –	– –	– –	– –	– –	616
Miscellaneous Products	– –	– –	87	–	– –	2	– –	3	82
Total	**18,414**	**1,240**	**18,256**	**8,635**	**774**	**757**	**17,263**	**9,542**	**19,757**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
2 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
3 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
4 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
5 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
6 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**1,911**	**– –**	**– –**	**15,758**	**1,509**	**121**	**453**	**18,846**	**–**	**0**	**7,617**
Hydrocarbon Gas Liquids	**19,476**	**-8**	**207**	**1,687**	**2,072**	**– –**	**-494**	**1,508**	**5,463**	**16,957**	**9,025**
Natural Gas Liquids	19,476	-8	171	1,422	1,825	– –	-402	1,508	5,463	16,317	8,825
Ethane	8,881	– –	–	–	-4,926	– –	244	– –	1,775	1,936	1,235
Propane	6,223	– –	341	1,420	5,936	– –	-706	– –	3,004	11,622	5,648
Normal Butane	1,868	–	-152	2	1,338	– –	13	1,112	641	1,290	1,583
Isobutane	848	–	-18	–	-313	– –	5	120	1	391	115
Natural Gasoline	1,656	-8	– –	–	-210	– –	42	276	43	1,077	244
Refinery Olefins	– –	– –	36	265	247	– –	-92	– –	– –	640	200
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	37	265	247	– –	-59	– –	– –	608	76
Normal Butylene	– –	– –	-1	–	–	– –	-20	– –	– –	19	124
Isobutylene	– –	– –	–	–	–	– –	-13	– –	– –	13	0
Other Liquids	**– –**	**452**	**– –**	**14,143**	**61,348**	**7,267**	**4,242**	**78,417**	**214**	**337**	**75,536**
Hydrogen/Biofuels/Other Hydrocarbons	– –	452	– –	510	8,931	620	729	9,451	184	149	9,643
Hydrogen	– –	– –	– –	–	– –	50	– –	50	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	452	– –	510	8,931	570	729	9,401	184	149	9,643
Fuel Ethanol[6]	– –	303	– –	–	8,707	570	462	8,937	182	0	8,230
Biofuels (excluding Fuel Ethanol)[7]	– –	149	– –	510	224	– –	267	464	3	149	1,414
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	1,190	-6	– –	533	436	27	188	4,244
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	12,443	52,423	6,647	2,980	68,530	3	0	61,649
Reformulated	– –	–	– –	4,185	6,520	4,191	444	14,452	0	0	20,969
Conventional	– –	–	– –	8,258	45,903	2,456	2,536	54,078	3	0	40,680
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**1**	**99,047**	**14,377**	**43,938**	**-7,217**	**4,317**	**– –**	**1,582**	**144,246**	**63,869**
Finished Motor Gasoline	– –	–	87,225	1,790	1,940	-7,217	-780	– –	42	84,476	2,534
Reformulated	– –	–	32,070	–	–	-4,262	0	– –	–	27,808	5
Conventional	– –	–	55,155	1,790	1,940	-2,955	-780	– –	42	56,668	2,529
Finished Aviation Gasoline	– –	– –	–	18	122	– –	61	– –	–	79	255
Kerosene-Type Jet Fuel	– –	–	2,503	2,314	13,967	– –	2,372	– –	318	16,094	9,879
Kerosene	– –	–	132	–	298	– –	-217	– –	2	645	744
Distillate Fuel Oil[6]	– –	1	5,986	7,438	25,888	– –	2,675	– –	452	36,185	35,917
15 ppm sulfur and under	– –	1	5,999	7,438	25,580	– –	2,946	– –	430	35,641	34,126
Greater than 15 ppm to 500 ppm sulfur	– –	–	-16	–	–	– –	-18	– –	21	-19	580
Greater than 500 ppm sulfur	– –	–	3	–	308	– –	-253	– –	1	563	1,211
Residual Fuel Oil	– –	– –	747	2,037	–	– –	-670	– –	212	3,242	5,467
Less than 0.31 percent sulfur	– –	– –	-9	473	–	– –	-2	– –	NA	NA	290
0.31 to 1.00 percent sulfur	– –	– –	556	895	–	– –	251	– –	NA	NA	1,060
Greater than 1.00 percent sulfur	– –	– –	200	669	–	– –	-919	– –	NA	NA	4,117
Petrochemical Feedstocks	– –	– –	–	34	–	– –	–	– –	2	32	–
Naphtha for Petro. Feed. Use	– –	– –	–	2	–	– –	–	– –	–	2	–
Other Oils for Petro. Feed. Use	– –	– –	–	32	–	– –	–	– –	2	30	–
Special Naphthas	– –	– –	-3	1	–	– –	-3	– –	–	1	43
Lubricants	– –	– –	387	124	483	– –	-65	– –	189	870	1,450
Waxes	– –	– –	-14	75	–	– –	31	– –	61	-31	263
Petroleum Coke	– –	– –	437	–	283	– –	–	– –	226	494	–
Marketable	– –	– –	212	–	283	– –	–	– –	226	269	–
Catalyst	– –	– –	225	– –	– –	– –	– –	– –	– –	225	– –
Asphalt and Road Oil	– –	– –	955	546	957	– –	915	– –	64	1,479	7,247
Still Gas	– –	– –	622	– –	– –	– –	– –	– –	– –	622	– –
Miscellaneous Products	– –	– –	70	–	–	– –	-2	– –	14	58	70
Total	**21,387**	**445**	**99,254**	**45,965**	**108,867**	**171**	**8,519**	**98,771**	**7,260**	**161,539**	**156,047**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**3,988**	**– –**	**– –**	**32,279**	**4,913**	**2,911**	**5**	**42,645**	**1,440**	**0**	**7,617**
Hydrocarbon Gas Liquids	**40,302**	**-17**	**672**	**3,409**	**4,639**	**– –**	**-683**	**3,301**	**12,482**	**33,905**	**9,025**
Natural Gas Liquids	40,302	-17	336	2,849	4,196	– –	-730	3,301	12,482	32,613	8,825
Ethane	17,924	– –	–	–	-9,862	– –	375	– –	4,750	2,937	1,235
Propane	13,155	– –	845	2,795	12,431	– –	-1,191	– –	6,260	24,157	5,648
Normal Butane	3,927	–	-448	49	2,764	– –	69	2,479	1,384	2,360	1,583
Isobutane	1,819	–	-61	5	-688	– –	-25	265	2	833	115
Natural Gasoline	3,477	-17	– –	–	-449	– –	42	557	86	2,326	244
Refinery Olefins	– –	– –	336	560	443	– –	47	– –	– –	1,292	200
Ethylene	– –	– –	11	–	–	– –	–	– –	– –	11	–
Propylene	– –	– –	301	560	443	– –	-61	– –	– –	1,365	76
Normal Butylene	– –	– –	0	–	–	– –	124	– –	– –	-124	124
Isobutylene	– –	– –	24	–	–	– –	-16	– –	– –	40	0
Other Liquids	**– –**	**975**	**– –**	**29,229**	**122,429**	**17,105**	**10,444**	**157,987**	**337**	**971**	**75,536**
Hydrogen/Biofuels/Other Hydrocarbons	– –	975	– –	1,071	17,011	2,669	1,512	19,439	282	493	9,643
Hydrogen	– –	– –	– –	–	– –	131	– –	131	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	975	– –	1,071	17,011	2,538	1,512	19,308	282	493	9,643
Fuel Ethanol[6]	– –	645	– –	–	16,602	2,538	1,196	18,313	276	0	8,230
Biofuels (excluding Fuel Ethanol)[7]	– –	330	– –	1,071	409	– –	316	995	7	493	1,414
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	2,920	-33	– –	787	1,575	47	478	4,244
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	25,238	105,451	14,436	8,145	136,973	7	0	61,649
Reformulated	– –	–	– –	8,617	13,414	9,698	4,133	27,595	1	0	20,969
Conventional	– –	–	– –	16,621	92,037	4,739	4,012	109,378	7	0	40,680
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**1**	**204,837**	**30,632**	**87,692**	**-16,974**	**3,440**	**– –**	**3,769**	**298,978**	**63,869**
Finished Motor Gasoline	– –	–	178,753	5,010	4,325	-16,974	-360	– –	112	171,361	2,534
Reformulated	– –	–	65,499	–	–	-9,117	0	– –	–	56,382	5
Conventional	– –	–	113,254	5,010	4,325	-7,858	-360	– –	112	114,979	2,529
Finished Aviation Gasoline	– –	– –	–	18	246	– –	49	– –	–	215	255
Kerosene-Type Jet Fuel	– –	–	5,679	3,368	26,819	– –	922	– –	708	34,236	9,879
Kerosene	– –	–	164	504	596	– –	-872	– –	4	2,132	744
Distillate Fuel Oil[6]	– –	1	13,143	15,005	52,110	– –	1,515	– –	886	77,858	35,917
15 ppm sulfur and under	– –	1	12,983	14,874	51,414	– –	2,111	– –	442	76,719	34,126
Greater than 15 ppm to 500 ppm sulfur	– –	–	57	–	–	– –	-11	– –	442	-374	580
Greater than 500 ppm sulfur	– –	–	103	131	696	– –	-585	– –	2	1,513	1,211
Residual Fuel Oil	– –	– –	1,647	4,808	–	– –	-144	– –	215	6,384	5,467
Less than 0.31 percent sulfur	– –	– –	-26	473	–	– –	-3	– –	NA	NA	290
0.31 to 1.00 percent sulfur	– –	– –	1,223	1,474	–	– –	218	– –	NA	NA	1,060
Greater than 1.00 percent sulfur	– –	– –	450	2,861	–	– –	-359	– –	NA	NA	4,117
Petrochemical Feedstocks	– –	– –	–	128	–	– –	–	– –	2	126	–
Naphtha for Petro. Feed. Use	– –	– –	–	95	–	– –	–	– –	–	95	–
Other Oils for Petro. Feed. Use	– –	– –	–	33	–	– –	–	– –	2	31	–
Special Naphthas	– –	– –	-8	4	–	– –	-18	– –	–	14	43
Lubricants	– –	– –	759	219	969	– –	-90	– –	332	1,705	1,450
Waxes	– –	– –	-42	170	–	– –	42	– –	128	-42	263
Petroleum Coke	– –	– –	1,117	–	707	– –	–	– –	1,189	635	–
Marketable	– –	– –	464	–	707	– –	–	– –	1,189	-18	–
Catalyst	– –	– –	653	– –	– –	– –	– –	– –	– –	653	– –
Asphalt and Road Oil	– –	– –	2,001	1,398	1,920	– –	2,392	– –	161	2,766	7,247
Still Gas	– –	– –	1,460	– –	– –	– –	– –	– –	– –	1,460	– –
Miscellaneous Products	– –	– –	164	–	–	– –	4	– –	32	128	70
Total	**44,290**	**960**	**205,509**	**95,549**	**219,673**	**3,042**	**13,206**	**203,933**	**18,029**	**333,854**	**156,047**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**68**	**– –**	**– –**	**563**	**54**	**4**	**16**	**673**	**–**	**0**
Hydrocarbon Gas Liquids	**696**	**0**	**7**	**60**	**74**	**– –**	**-18**	**54**	**195**	**606**
Natural Gas Liquids	696	0	6	51	65	– –	-14	54	195	583
Ethane	317	– –	–	–	-176	– –	9	– –	63	69
Propane	222	– –	12	51	212	– –	-25	– –	107	415
Normal Butane	67	–	-5	0	48	– –	0	40	23	46
Isobutane	30	–	-1	–	-11	– –	0	4	0	14
Natural Gasoline	59	0	– –	–	-8	– –	2	10	2	38
Refinery Olefins	– –	– –	1	9	9	– –	-3	– –	– –	23
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	1	9	9	– –	-2	– –	– –	22
Normal Butylene	– –	– –	0	–	–	– –	-1	– –	– –	1
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**16**	**– –**	**505**	**2,191**	**260**	**152**	**2,801**	**8**	**12**
Hydrogen/Biofuels/Other Hydrocarbons	– –	16	– –	18	319	22	26	338	7	5
Hydrogen	– –	– –	– –	–	– –	2	– –	2	– –	0
Biofuels (including Fuel Ethanol)	– –	16	– –	18	319	20	26	336	7	5
Fuel Ethanol[6]	– –	11	– –	–	311	20	16	319	6	0
Biofuels (excluding Fuel Ethanol)[7]	– –	5	– –	18	8	– –	10	17	0	5
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	43	0	– –	19	16	1	7
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	–	– –	444	1,872	237	106	2,448	0	0
Reformulated	– –	–	– –	149	233	150	16	516	0	0
Conventional	– –	–	– –	295	1,639	88	91	1,931	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**3,537**	**513**	**1,569**	**-258**	**154**	**– –**	**57**	**5,152**
Finished Motor Gasoline	– –	–	3,115	64	69	-258	-28	– –	2	3,017
Reformulated	– –	–	1,145	–	–	-152	0	– –	–	993
Conventional	– –	–	1,970	64	69	-106	-28	– –	2	2,024
Finished Aviation Gasoline	– –	– –	–	1	4	– –	2	– –	–	3
Kerosene-Type Jet Fuel	– –	–	89	83	499	– –	85	– –	11	575
Kerosene	– –	–	5	–	11	– –	-8	– –	0	23
Distillate Fuel Oil[6]	– –	0	214	266	925	– –	96	– –	16	1,292
15 ppm sulfur and under	– –	0	214	266	914	– –	105	– –	15	1,273
Greater than 15 ppm to 500 ppm sulfur	– –	–	-1	–	–	– –	-1	– –	1	-1
Greater than 500 ppm sulfur	– –	–	0	–	11	– –	-9	– –	0	20
Residual Fuel Oil	– –	– –	27	73	–	– –	-24	– –	8	116
Less than 0.31 percent sulfur	– –	– –	0	17	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	20	32	–	– –	9	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	7	24	–	– –	-33	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	1	–	– –	–	– –	0	1
Naphtha for Petro. Feed. Use	– –	– –	–	0	–	– –	–	– –	–	0
Other Oils for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	0	1
Special Naphthas	– –	– –	0	0	–	– –	0	– –	–	0
Lubricants	– –	– –	14	4	17	– –	-2	– –	7	31
Waxes	– –	– –	-1	3	–	– –	1	– –	2	-1
Petroleum Coke	– –	– –	16	–	10	– –	–	– –	8	18
Marketable	– –	– –	8	–	10	– –	–	– –	8	10
Catalyst	– –	– –	8	– –	– –	– –	– –	– –	– –	8
Asphalt and Road Oil	– –	– –	34	20	34	– –	33	– –	2	53
Still Gas	– –	– –	22	– –	– –	– –	– –	– –	– –	22
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	1	2
Total	**764**	**16**	**3,545**	**1,642**	**3,888**	**6**	**304**	**3,528**	**259**	**5,769**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**68**	**– –**	**– –**	**547**	**83**	**49**	**0**	**723**	**24**	**0**
Hydrocarbon Gas Liquids	**683**	**0**	**11**	**58**	**79**	**– –**	**-12**	**56**	**212**	**575**
Natural Gas Liquids	683	0	6	48	71	– –	-12	56	212	553
Ethane	304	– –	–	–	-167	– –	6	– –	81	50
Propane	223	– –	14	47	211	– –	-20	– –	106	409
Normal Butane	67	–	-8	1	47	– –	1	42	23	40
Isobutane	31	–	-1	0	-12	– –	0	4	0	14
Natural Gasoline	59	0	– –	–	-8	– –	1	9	1	39
Refinery Olefins	– –	– –	6	9	8	– –	1	– –	– –	22
Ethylene	– –	– –	0	–	–	– –	–	– –	– –	0
Propylene	– –	– –	5	9	8	– –	-1	– –	– –	23
Normal Butylene	– –	– –	0	–	–	– –	2	– –	– –	-2
Isobutylene	– –	– –	0	–	–	– –	0	– –	– –	1
Other Liquids	**– –**	**17**	**– –**	**495**	**2,075**	**290**	**177**	**2,678**	**6**	**16**
Hydrogen/Biofuels/Other Hydrocarbons	– –	17	– –	18	288	45	26	329	5	8
Hydrogen	– –	– –	– –	–	– –	2	– –	2	– –	0
Biofuels (including Fuel Ethanol)	– –	17	– –	18	288	43	26	327	5	8
Fuel Ethanol[6]	– –	11	– –	–	281	43	20	310	5	0
Biofuels (excluding Fuel Ethanol)[7]	– –	6	– –	18	7	– –	5	17	0	8
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	49	-1	– –	13	27	1	8
Motor Gasoline Blend.Comp. (MGBC)[6]	– –	–	– –	428	1,787	245	138	2,322	0	0
Reformulated	– –	–	– –	146	227	164	70	468	0	0
Conventional	– –	–	– –	282	1,560	80	68	1,854	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**3,472**	**519**	**1,486**	**-288**	**58**	**– –**	**64**	**5,067**
Finished Motor Gasoline	– –	–	3,030	85	73	-288	-6	– –	2	2,904
Reformulated	– –	–	1,110	–	–	-155	0	– –	–	956
Conventional	– –	–	1,920	85	73	-133	-6	– –	2	1,949
Finished Aviation Gasoline	– –	– –	–	0	4	– –	1	– –	–	4
Kerosene-Type Jet Fuel	– –	–	96	57	455	– –	16	– –	12	580
Kerosene	– –	–	3	9	10	– –	-15	– –	0	36
Distillate Fuel Oil[6]	– –	0	223	254	883	– –	26	– –	15	1,320
15 ppm sulfur and under	– –	0	220	252	871	– –	36	– –	7	1,300
Greater than 15 ppm to 500 ppm sulfur	– –	–	1	–	–	– –	0	– –	7	-6
Greater than 500 ppm sulfur	– –	–	2	2	12	– –	-10	– –	0	26
Residual Fuel Oil	– –	– –	28	81	–	– –	-2	– –	4	108
Less than 0.31 percent sulfur	– –	– –	0	8	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	21	25	–	– –	4	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	8	48	–	– –	-6	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	2	–	– –	–	– –	0	2
Naphtha for Petro. Feed. Use	– –	– –	–	2	–	– –	–	– –	–	2
Other Oils for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	0	1
Special Naphthas	– –	– –	0	0	–	– –	0	– –	–	0
Lubricants	– –	– –	13	4	16	– –	-2	– –	6	29
Waxes	– –	– –	-1	3	–	– –	1	– –	2	-1
Petroleum Coke	– –	– –	19	–	12	– –	–	– –	20	11
Marketable	– –	– –	8	–	12	– –	–	– –	20	0
Catalyst	– –	– –	11	– –	– –	– –	– –	– –	– –	11
Asphalt and Road Oil	– –	– –	34	24	33	– –	41	– –	3	47
Still Gas	– –	– –	25	– –	– –	– –	– –	– –	– –	25
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	1	2
Total	**751**	**16**	**3,483**	**1,619**	**3,723**	**52**	**224**	**3,456**	**306**	**5,659**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**49,064**	**– –**	**– –**	**84,794**	**-19,049**	**-400**	**3,651**	**107,387**	**3,371**	**0**	**127,600**
Hydrocarbon Gas Liquids	**31,170**	**-618**	**1,059**	**2,307**	**-16,539**	**– –**	**-8,100**	**3,494**	**6,524**	**15,461**	**39,441**
Natural Gas Liquids	31,170	-618	131	1,997	-15,869	– –	-8,128	3,494	6,524	14,922	39,096
Ethane	11,049	– –	–	–	-5,691	– –	-115	– –	1,971	3,502	6,508
Propane	11,058	– –	2,108	1,445	-11,520	– –	-5,212	– –	94	8,209	14,748
Normal Butane	3,560	–	-1,770	398	-3,388	– –	-1,771	961	106	-496	5,065
Isobutane	1,996	–	-207	152	208	– –	114	1,649	1	385	2,449
Natural Gasoline	3,507	-618	– –	2	4,522	– –	-1,144	884	4,352	3,321	10,326
Refinery Olefins	– –	– –	928	310	-670	– –	28	– –	– –	540	345
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	929	142	-670	– –	32	– –	– –	369	345
Normal Butylene	– –	– –	-1	168	–	– –	-4	– –	– –	171	0
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**29,596**	**– –**	**660**	**-14,703**	**-4,174**	**2,606**	**4,915**	**3,307**	**551**	**74,431**
Hydrogen/Biofuels/Other Hydrocarbons	– –	29,597	– –	92	-18,602	-279	387	8,010	829	1,582	12,165
Hydrogen	– –	– –	– –	–	– –	1,158	– –	1,158	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	29,597	– –	92	-18,602	-1,447	384	6,845	829	1,582	12,151
Fuel Ethanol	– –	26,854	– –	–	-17,773	-1,447	307	6,560	766	0	10,575
Biofuels (excluding Fuel Ethanol)[6]	– –	2,743	– –	92	-829	– –	77	285	63	1,582	1,576
Other Hydrocarbons	– –	– –	– –	–	–	10	3	7	–	0	14
Unfinished Oils	– –	– –	– –	–	-750	– –	533	-2,650	2,398	-1,031	13,542
Motor Gasoline Blend.Comp. (MGBC)	– –	-1	– –	568	4,649	-3,895	1,686	-445	80	0	48,725
Reformulated	– –	0	– –	–	1,123	161	-138	1,422	–	0	4,801
Conventional	– –	-1	– –	568	3,526	-4,056	1,824	-1,867	80	0	43,923
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**119**	**120,397**	**1,391**	**-1,974**	**5,342**	**3,363**	**– –**	**493**	**121,418**	**61,075**
Finished Motor Gasoline	– –	121	65,249	–	-51	5,342	-72	– –	196	70,537	3,437
Reformulated	– –	–	9,319	–	–	25	–	– –	–	9,344	–
Conventional	– –	121	55,930	–	-51	5,317	-72	– –	196	61,193	3,437
Finished Aviation Gasoline	– –	– –	18	6	–	– –	-29	– –	–	53	205
Kerosene-Type Jet Fuel	– –	–	6,410	–	540	– –	-164	– –	24	7,090	6,966
Kerosene	– –	–	103	–	–	– –	-20	– –	0	123	118
Distillate Fuel Oil	– –	-3	32,762	201	896	– –	1,695	– –	19	32,143	30,910
15 ppm sulfur and under	– –	-3	32,946	183	840	– –	1,850	– –	2	32,115	30,324
Greater than 15 ppm to 500 ppm sulfur	– –	0	30	2	56	– –	-54	– –	5	137	267
Greater than 500 ppm sulfur	– –	–	-214	16	–	– –	-101	– –	11	-108	319
Residual Fuel Oil	– –	– –	893	64	-865	– –	27	– –	–	65	1,086
Less than 0.31 percent sulfur	– –	– –	115	–	-130	– –	-64	– –	NA	NA	182
0.31 to 1.00 percent sulfur	– –	– –	375	8	-314	– –	75	– –	NA	NA	263
Greater than 1.00 percent sulfur	– –	– –	403	56	-421	– –	16	– –	NA	NA	641
Petrochemical Feedstocks	– –	– –	658	163	-47	– –	-3	– –	–	777	496
Naphtha for Petro. Feed. Use	– –	– –	307	88	-47	– –	-7	– –	–	355	373
Other Oils for Petro. Feed. Use	– –	– –	351	75	–	– –	4	– –	–	422	123
Special Naphthas	– –	– –	-1	1	15	– –	-8	– –	–	23	118
Lubricants	– –	– –	203	242	116	– –	53	– –	154	354	768
Waxes	– –	– –	38	12	–	– –	-5	– –	40	15	48
Petroleum Coke	– –	– –	5,157	14	-1,276	– –	439	– –	38	3,418	3,530
Marketable	– –	– –	3,948	14	-1,276	– –	439	– –	38	2,209	3,530
Catalyst	– –	– –	1,209	– –	– –	– –	– –	– –	– –	1,209	– –
Asphalt and Road Oil	– –	– –	4,472	688	-1,307	– –	1,476	– –	17	2,360	13,196
Still Gas	– –	– –	3,939	– –	– –	– –	– –	– –	– –	3,939	– –
Miscellaneous Products	– –	– –	496	–	5	– –	-26	– –	4	523	197
Total	**80,234**	**29,097**	**121,456**	**89,152**	**-52,265**	**768**	**1,520**	**115,796**	**13,695**	**137,430**	**302,547**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	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	**101,185**	**– –**	**– –**	**175,694**	**-30,023**	**1,214**	**20,960**	**221,084**	**6,026**	**0**	**127,600**
Hydrocarbon Gas Liquids	**63,165**	**-1,303**	**2,112**	**4,742**	**-26,348**	**– –**	**-12,904**	**7,242**	**13,502**	**34,529**	**39,441**
Natural Gas Liquids	63,165	-1,303	95	4,199	-25,065	– –	-12,866	7,242	13,502	33,213	39,096
Ethane	21,382	– –	–	–	-10,508	– –	313	– –	4,277	6,284	6,508
Propane	22,972	– –	4,352	2,866	-19,105	– –	-8,278	– –	210	19,154	14,748
Normal Butane	7,388	–	-3,898	999	-7,285	– –	-5,021	2,156	206	-137	5,065
Isobutane	4,151	–	-359	330	673	– –	420	3,422	3	950	2,449
Natural Gasoline	7,272	-1,303	– –	4	11,159	– –	-300	1,664	8,806	6,963	10,326
Refinery Olefins	– –	– –	2,017	543	-1,282	– –	-38	– –	– –	1,316	345
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	2,011	335	-1,282	– –	-27	– –	– –	1,091	345
Normal Butylene	– –	– –	6	208	–	– –	-11	– –	– –	225	0
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**62,246**	**– –**	**1,530**	**-29,233**	**-10,704**	**6,293**	**10,114**	**6,797**	**634**	**74,431**
Hydrogen/Biofuels/Other Hydrocarbons	– –	62,248	– –	182	-36,131	-4,028	922	16,440	1,816	3,092	12,165
Hydrogen	– –	– –	– –	–	– –	2,418	– –	2,418	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	62,248	– –	182	-36,131	-6,474	918	13,998	1,816	3,092	12,151
Fuel Ethanol	– –	56,592	– –	–	-34,421	-6,474	578	13,411	1,708	0	10,575
Biofuels (excluding Fuel Ethanol)[6]	– –	5,656	– –	182	-1,711	– –	339	587	108	3,092	1,576
Other Hydrocarbons	– –	– –	– –	–	–	28	4	24	–	0	14
Unfinished Oils	– –	– –	– –	–	-1,722	– –	-31	-4,060	4,827	-2,458	13,542
Motor Gasoline Blend.Comp. (MGBC)	– –	-2	– –	1,348	8,620	-6,676	5,402	-2,266	154	0	48,725
Reformulated	– –	0	– –	–	1,327	1,439	466	2,300	–	0	4,801
Conventional	– –	-2	– –	1,348	7,293	-8,115	4,936	-4,566	154	0	43,923
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**241**	**248,556**	**3,041**	**-4,002**	**13,150**	**5,853**	**– –**	**1,120**	**254,014**	**61,075**
Finished Motor Gasoline	– –	246	134,009	–	50	13,150	175	– –	369	146,912	3,437
Reformulated	– –	–	19,047	–	–	-1,105	–	– –	–	17,942	–
Conventional	– –	246	114,962	–	50	14,255	175	– –	369	128,970	3,437
Finished Aviation Gasoline	– –	– –	18	9	45	– –	2	– –	–	70	205
Kerosene-Type Jet Fuel	– –	–	13,717	–	871	– –	164	– –	60	14,364	6,966
Kerosene	– –	–	313	–	–	– –	20	– –	2	291	118
Distillate Fuel Oil	– –	-5	67,877	652	1,349	– –	2,054	– –	101	67,718	30,910
15 ppm sulfur and under	– –	-5	68,120	630	1,205	– –	2,270	– –	2	67,678	30,324
Greater than 15 ppm to 500 ppm sulfur	– –	0	162	5	144	– –	-130	– –	26	415	267
Greater than 500 ppm sulfur	– –	–	-405	17	–	– –	-86	– –	73	-375	319
Residual Fuel Oil	– –	– –	1,788	190	-1,745	– –	-102	– –	0	335	1,086
Less than 0.31 percent sulfur	– –	– –	137	–	-179	– –	-37	– –	NA	NA	182
0.31 to 1.00 percent sulfur	– –	– –	826	15	-472	– –	19	– –	NA	NA	263
Greater than 1.00 percent sulfur	– –	– –	825	175	-1,094	– –	-84	– –	NA	NA	641
Petrochemical Feedstocks	– –	– –	1,458	346	-132	– –	-32	– –	–	1,704	496
Naphtha for Petro. Feed. Use	– –	– –	708	193	-132	– –	-20	– –	–	789	373
Other Oils for Petro. Feed. Use	– –	– –	750	153	–	– –	-12	– –	–	915	123
Special Naphthas	– –	– –	-16	4	46	– –	0	– –	–	34	118
Lubricants	– –	– –	385	459	284	– –	46	– –	333	749	768
Waxes	– –	– –	78	27	–	– –	1	– –	79	25	48
Petroleum Coke	– –	– –	10,647	28	-2,344	– –	911	– –	65	7,355	3,530
Marketable	– –	– –	8,151	28	-2,344	– –	911	– –	65	4,859	3,530
Catalyst	– –	– –	2,496	– –	– –	– –	– –	– –	– –	2,496	– –
Asphalt and Road Oil	– –	– –	9,437	1,326	-2,439	– –	2,549	– –	107	5,668	13,196
Still Gas	– –	– –	7,864	– –	– –	– –	– –	– –	– –	7,864	– –
Miscellaneous Products	– –	– –	981	–	14	– –	65	– –	6	924	197
Total	**164,350**	**61,184**	**250,668**	**185,007**	**-89,605**	**3,660**	**20,201**	**238,440**	**27,445**	**289,177**	**302,547**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**1,752**	**– –**	**– –**	**3,028**	**-680**	**-14**	**130**	**3,835**	**120**	**0**
Hydrocarbon Gas Liquids	**1,113**	**-22**	**38**	**82**	**-591**	**– –**	**-289**	**125**	**233**	**552**
Natural Gas Liquids	1,113	-22	5	71	-567	– –	-290	125	233	533
Ethane	395	– –	–	–	-203	– –	-4	– –	70	125
Propane	395	– –	75	52	-411	– –	-186	– –	3	293
Normal Butane	127	–	-63	14	-121	– –	-63	34	4	-18
Isobutane	71	–	-7	5	7	– –	4	59	0	14
Natural Gasoline	125	-22	– –	0	162	– –	-41	32	155	119
Refinery Olefins	– –	– –	33	11	-24	– –	1	– –	– –	19
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	33	5	-24	– –	1	– –	– –	13
Normal Butylene	– –	– –	0	6	–	– –	0	– –	– –	6
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,057**	**– –**	**24**	**-525**	**-149**	**93**	**176**	**118**	**20**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,057	– –	3	-664	-10	14	286	30	56
Hydrogen	– –	– –	– –	–	– –	41	– –	41	– –	0
Biofuels (including Fuel Ethanol)	– –	1,057	– –	3	-664	-52	14	244	30	56
Fuel Ethanol	– –	959	– –	–	-635	-52	11	234	27	0
Biofuels (excluding Fuel Ethanol)[6]	– –	98	– –	3	-30	– –	3	10	2	56
Other Hydrocarbons	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	– –	– –	–	-27	– –	19	-95	86	-37
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	20	166	-139	60	-16	3	0
Reformulated	– –	0	– –	–	40	6	-5	51	–	0
Conventional	– –	0	– –	20	126	-145	65	-67	3	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**4**	**4,300**	**50**	**-71**	**191**	**120**	**– –**	**18**	**4,336**
Finished Motor Gasoline	– –	4	2,330	–	-2	191	-3	– –	7	2,519
Reformulated	– –	–	333	–	–	1	–	– –	–	334
Conventional	– –	4	1,998	–	-2	190	-3	– –	7	2,185
Finished Aviation Gasoline	– –	– –	1	0	–	– –	-1	– –	–	2
Kerosene-Type Jet Fuel	– –	–	229	–	19	– –	-6	– –	1	253
Kerosene	– –	–	4	–	–	– –	-1	– –	0	4
Distillate Fuel Oil	– –	0	1,170	7	32	– –	61	– –	1	1,148
15 ppm sulfur and under	– –	0	1,177	7	30	– –	66	– –	0	1,147
Greater than 15 ppm to 500 ppm sulfur	– –	0	1	0	2	– –	-2	– –	0	5
Greater than 500 ppm sulfur	– –	–	-8	1	–	– –	-4	– –	0	-4
Residual Fuel Oil	– –	– –	32	2	-31	– –	1	– –	–	2
Less than 0.31 percent sulfur	– –	– –	4	–	-5	– –	-2	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	13	0	-11	– –	3	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	14	2	-15	– –	1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	24	6	-2	– –	0	– –	–	28
Naphtha for Petro. Feed. Use	– –	– –	11	3	-2	– –	0	– –	–	13
Other Oils for Petro. Feed. Use	– –	– –	13	3	–	– –	0	– –	–	15
Special Naphthas	– –	– –	0	0	1	– –	0	– –	–	1
Lubricants	– –	– –	7	9	4	– –	2	– –	6	13
Waxes	– –	– –	1	0	–	– –	0	– –	1	1
Petroleum Coke	– –	– –	184	1	-46	– –	16	– –	1	122
Marketable	– –	– –	141	1	-46	– –	16	– –	1	79
Catalyst	– –	– –	43	– –	– –	– –	– –	– –	– –	43
Asphalt and Road Oil	– –	– –	160	25	-47	– –	53	– –	1	84
Still Gas	– –	– –	141	– –	– –	– –	– –	– –	– –	141
Miscellaneous Products	– –	– –	18	–	0	– –	-1	– –	0	19
Total	**2,865**	**1,039**	**4,338**	**3,184**	**-1,867**	**27**	**54**	**4,136**	**489**	**4,908**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**1,715**	**– –**	**– –**	**2,978**	**-509**	**21**	**355**	**3,747**	**102**	**0**
Hydrocarbon Gas Liquids	**1,071**	**-22**	**36**	**80**	**-447**	**– –**	**-219**	**123**	**229**	**585**
Natural Gas Liquids	1,071	-22	2	71	-425	– –	-218	123	229	563
Ethane	362	– –	–	–	-178	– –	5	– –	72	107
Propane	389	– –	74	49	-324	– –	-140	– –	4	325
Normal Butane	125	–	-66	17	-123	– –	-85	37	3	-2
Isobutane	70	–	-6	6	11	– –	7	58	0	16
Natural Gasoline	123	-22	– –	0	189	– –	-5	28	149	118
Refinery Olefins	– –	– –	34	9	-22	– –	-1	– –	– –	22
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	34	6	-22	– –	0	– –	– –	18
Normal Butylene	– –	– –	0	4	–	– –	0	– –	– –	4
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**1,055**	**– –**	**26**	**-495**	**-181**	**107**	**171**	**115**	**11**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,055	– –	3	-612	-68	16	279	31	52
Hydrogen	– –	– –	– –	–	– –	41	– –	41	– –	0
Biofuels (including Fuel Ethanol)	– –	1,055	– –	3	-612	-110	16	237	31	52
Fuel Ethanol	– –	959	– –	–	-583	-110	10	227	29	0
Biofuels (excluding Fuel Ethanol)[6]	– –	96	– –	3	-29	– –	6	10	2	52
Other Hydrocarbons	– –	– –	– –	–	–	0	0	0	–	0
Unfinished Oils	– –	– –	– –	–	-29	– –	-1	-69	82	-42
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	23	146	-113	92	-38	3	0
Reformulated	– –	0	– –	–	22	24	8	39	–	0
Conventional	– –	0	– –	23	124	-138	84	-77	3	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**4**	**4,213**	**52**	**-68**	**223**	**99**	**– –**	**19**	**4,305**
Finished Motor Gasoline	– –	4	2,271	–	1	223	3	– –	6	2,490
Reformulated	– –	–	323	–	–	-19	–	– –	–	304
Conventional	– –	4	1,949	–	1	242	3	– –	6	2,186
Finished Aviation Gasoline	– –	– –	0	0	1	– –	0	– –	–	1
Kerosene-Type Jet Fuel	– –	–	232	–	15	– –	3	– –	1	243
Kerosene	– –	–	5	–	–	– –	0	– –	0	5
Distillate Fuel Oil	– –	0	1,150	11	23	– –	35	– –	2	1,148
15 ppm sulfur and under	– –	0	1,155	11	20	– –	38	– –	0	1,147
Greater than 15 ppm to 500 ppm sulfur	– –	0	3	0	2	– –	-2	– –	0	7
Greater than 500 ppm sulfur	– –	–	-7	0	–	– –	-1	– –	1	-6
Residual Fuel Oil	– –	– –	30	3	-30	– –	-2	– –	0	6
Less than 0.31 percent sulfur	– –	– –	2	–	-3	– –	-1	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	14	0	-8	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	14	3	-19	– –	-1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	25	6	-2	– –	-1	– –	–	29
Naphtha for Petro. Feed. Use	– –	– –	12	3	-2	– –	0	– –	–	13
Other Oils for Petro. Feed. Use	– –	– –	13	3	–	– –	0	– –	–	16
Special Naphthas	– –	– –	0	0	1	– –	0	– –	–	1
Lubricants	– –	– –	7	8	5	– –	1	– –	6	13
Waxes	– –	– –	1	0	–	– –	0	– –	1	0
Petroleum Coke	– –	– –	180	0	-40	– –	15	– –	1	125
Marketable	– –	– –	138	0	-40	– –	15	– –	1	82
Catalyst	– –	– –	42	– –	– –	– –	– –	– –	– –	42
Asphalt and Road Oil	– –	– –	160	22	-41	– –	43	– –	2	96
Still Gas	– –	– –	133	– –	– –	– –	– –	– –	– –	133
Miscellaneous Products	– –	– –	17	–	0	– –	1	– –	0	16
Total	**2,786**	**1,037**	**4,249**	**3,136**	**-1,519**	**62**	**342**	**4,041**	**465**	**4,901**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil[6]	**253,687**	**– –**	**– –**	**38,750**	**34,112**	**13,761**	**7,113**	**224,632**	**108,564**	**0**	**634,706**
Hydrocarbon Gas Liquids	**100,855**	**-14**	**9,237**	**3**	**25,449**	**– –**	**-4,107**	**12,944**	**60,498**	**66,195**	**118,099**
Natural Gas Liquids	100,855	-14	4,217	3	25,026	– –	-4,096	12,944	60,498	60,741	116,987
Ethane	45,625	– –	127	–	14,399	– –	-681	– –	9,533	51,299	43,309
Propane	29,994	– –	4,243	–	9,427	– –	-1,628	– –	39,460	5,832	37,476
Normal Butane	7,041	–	104	3	3,214	– –	-1,406	5,193	11,327	-4,752	17,604
Isobutane	8,457	–	-257	–	753	– –	-899	3,818	103	5,930	7,823
Natural Gasoline	9,738	-14	– –	–	-2,767	– –	518	3,933	75	2,432	10,775
Refinery Olefins	– –	– –	5,020	–	423	– –	-11	– –	– –	5,454	1,112
Ethylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Propylene	– –	– –	5,221	–	423	– –	-98	– –	– –	5,742	402
Normal Butylene	– –	– –	-201	–	–	– –	87	– –	– –	-288	710
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**3,510**	**– –**	**14,020**	**-56,531**	**-1,670**	**-2,392**	**-48,556**	**7,312**	**2,966**	**132,478**
Hydrogen/Biofuels/Other Hydrocarbons	– –	3,510	– –	240	4,985	2,725	341	7,441	1,222	2,456	6,705
Hydrogen	– –	– –	– –	–	– –	3,024	– –	3,024	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	3,510	– –	240	4,985	-299	341	4,417	1,222	2,456	6,705
Fuel Ethanol	– –	585	– –	–	5,159	-299	155	4,081	1,209	0	4,626
Biofuels (excluding Fuel Ethanol)[7]	– –	2,925	– –	240	-174	– –	186	336	13	2,456	2,079
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	12,238	756	– –	-1,373	8,230	5,610	527	45,775
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	1,542	-62,272	-4,395	-1,356	-64,249	480	0	79,976
Reformulated	– –	–	– –	–	-9,488	6,453	-1,729	-1,359	53	0	9,353
Conventional	– –	–	– –	1,542	-52,784	-10,848	373	-62,890	427	0	70,623
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	-4	22	–	-18	22
Finished Petroleum Products	**– –**	**2**	**195,386**	**3,969**	**-44,183**	**4,694**	**-3,297**	**– –**	**66,401**	**96,765**	**103,005**
Finished Motor Gasoline	– –	0	60,069	5	-1,781	4,694	1,551	– –	20,853	40,583	7,828
Reformulated	– –	–	12,822	–	–	-5,442	–	– –	–	7,380	–
Conventional	– –	0	47,247	5	-1,781	10,136	1,551	– –	20,853	33,203	7,828
Finished Aviation Gasoline	– –	– –	305	–	-122	– –	46	– –	–	137	624
Kerosene-Type Jet Fuel	– –	–	22,866	–	-15,485	– –	-1,364	– –	3,695	5,050	10,897
Kerosene	– –	–	172	–	-298	– –	81	– –	21	-228	410
Distillate Fuel Oil	– –	2	75,106	–	-28,079	– –	-3,293	– –	23,608	26,715	40,769
15 ppm sulfur and under	– –	2	69,294	–	-27,715	– –	-3,214	– –	19,884	24,912	34,668
Greater than 15 ppm to 500 ppm sulfur	– –	0	2,243	–	-56	– –	25	– –	2,208	-46	1,060
Greater than 500 ppm sulfur	– –	–	3,569	–	-308	– –	-104	– –	1,516	1,849	5,041
Residual Fuel Oil	– –	– –	3,667	2,311	865	– –	-577	– –	3,449	3,971	19,447
Less than 0.31 percent sulfur	– –	– –	1,002	–	130	– –	10	– –	NA	NA	1,533
0.31 to 1.00 percent sulfur	– –	– –	1,003	202	314	– –	-423	– –	NA	NA	4,867
Greater than 1.00 percent sulfur	– –	– –	1,662	2,109	421	– –	-164	– –	NA	NA	13,047
Petrochemical Feedstocks	– –	– –	4,809	219	47	– –	92	– –	810	4,173	2,202
Naphtha for Petro. Feed. Use	– –	– –	2,666	121	47	– –	73	– –	–	2,761	1,679
Other Oils for Petro. Feed. Use	– –	– –	2,143	98	–	– –	19	– –	810	1,412	523
Special Naphthas	– –	– –	803	146	-15	– –	7	– –	–	927	816
Lubricants	– –	– –	2,961	1,031	-599	– –	-308	– –	1,873	1,828	9,461
Waxes	– –	– –	115	–	–	– –	-16	– –	25	106	282
Petroleum Coke	– –	– –	12,079	257	1,122	– –	387	– –	11,640	1,431	3,595
Marketable	– –	– –	9,414	257	1,122	– –	387	– –	11,640	-1,234	3,595
Catalyst	– –	– –	2,665	– –	– –	– –	– –	– –	– –	2,665	– –
Asphalt and Road Oil	– –	– –	1,962	–	167	– –	98	– –	392	1,639	5,991
Still Gas	– –	– –	9,017	– –	– –	– –	– –	– –	– –	9,017	– –
Miscellaneous Products	– –	– –	1,455	–	-5	– –	-1	– –	33	1,418	683
Total	**354,542**	**3,499**	**204,623**	**56,742**	**-41,153**	**16,785**	**-2,684**	**189,020**	**242,775**	**165,926**	**988,288**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	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]	**537,767**	**– –**	**– –**	**77,925**	**61,026**	**34,079**	**19,790**	**477,608**	**213,399**	**0**	**634,706**
Hydrocarbon Gas Liquids	**212,963**	**-30**	**18,799**	**3**	**44,400**	**– –**	**-20,957**	**28,705**	**124,982**	**143,405**	**118,099**
Natural Gas Liquids	212,963	-30	8,149	3	43,561	– –	-20,827	28,705	124,982	131,786	116,987
Ethane	95,591	– –	233	–	28,333	– –	-2,146	– –	19,174	107,129	43,309
Propane	63,614	– –	8,783	–	14,657	– –	-5,336	– –	80,496	11,894	37,476
Normal Butane	14,685	–	-472	3	6,746	– –	-9,102	12,085	24,705	-6,726	17,604
Isobutane	18,297	–	-395	–	1,322	– –	-1,487	8,060	179	12,472	7,823
Natural Gasoline	20,776	-30	– –	–	-7,497	– –	-2,756	8,560	428	7,017	10,775
Refinery Olefins	– –	– –	10,650	–	840	– –	-130	– –	– –	11,620	1,112
Ethylene	– –	– –	3	–	–	– –	0	– –	– –	3	–
Propylene	– –	– –	10,935	–	840	– –	-403	– –	– –	12,178	402
Normal Butylene	– –	– –	-288	–	–	– –	273	– –	– –	-561	710
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**7,693**	**– –**	**28,170**	**-113,754**	**-1,872**	**5,160**	**-108,154**	**14,670**	**8,562**	**132,478**
Hydrogen/Biofuels/Other Hydrocarbons	– –	7,693	– –	418	9,236	6,844	652	15,794	2,738	5,008	6,705
Hydrogen	– –	– –	– –	–	– –	6,714	– –	6,714	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	7,693	– –	403	9,236	145	652	9,080	2,738	5,008	6,705
Fuel Ethanol	– –	1,302	– –	–	9,764	145	140	8,357	2,714	0	4,626
Biofuels (excluding Fuel Ethanol)[7]	– –	6,391	– –	403	-528	– –	512	723	24	5,008	2,079
Other Hydrocarbons	– –	– –	– –	15	–	-15	–	–	–	0	–
Unfinished Oils	– –	– –	– –	25,182	1,755	– –	-1,869	15,968	9,256	3,582	45,775
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	2,570	-124,745	-8,716	6,388	-139,955	2,676	0	79,976
Reformulated	– –	–	– –	–	-18,462	13,607	367	-5,297	75	0	9,353
Conventional	– –	–	– –	2,570	-106,283	-22,323	6,021	-134,658	2,601	0	70,623
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	-11	39	–	-28	22
Finished Petroleum Products	**– –**	**3**	**413,578**	**8,299**	**-88,106**	**8,571**	**5,039**	**– –**	**143,470**	**193,835**	**103,005**
Finished Motor Gasoline	– –	0	124,488	5	-4,027	8,571	60	– –	46,762	82,215	7,828
Reformulated	– –	–	26,143	–	–	-12,017	–	– –	–	14,126	–
Conventional	– –	0	98,345	5	-4,027	20,588	60	– –	46,762	68,089	7,828
Finished Aviation Gasoline	– –	– –	507	–	-291	– –	73	– –	–	143	624
Kerosene-Type Jet Fuel	– –	–	49,536	–	-29,947	– –	1,302	– –	8,741	9,546	10,897
Kerosene	– –	–	389	–	-596	– –	1	– –	508	-716	410
Distillate Fuel Oil	– –	3	159,508	300	-56,084	– –	2,210	– –	48,440	53,077	40,769
15 ppm sulfur and under	– –	3	148,955	300	-55,244	– –	1,956	– –	40,792	51,265	34,668
Greater than 15 ppm to 500 ppm sulfur	– –	0	4,570	–	-144	– –	-71	– –	4,651	-154	1,060
Greater than 500 ppm sulfur	– –	–	5,983	–	-696	– –	325	– –	2,997	1,965	5,041
Residual Fuel Oil	– –	– –	7,442	4,215	1,745	– –	807	– –	5,838	6,757	19,447
Less than 0.31 percent sulfur	– –	– –	2,131	65	179	– –	-8	– –	NA	NA	1,533
0.31 to 1.00 percent sulfur	– –	– –	2,105	570	472	– –	640	– –	NA	NA	4,867
Greater than 1.00 percent sulfur	– –	– –	3,206	3,580	1,094	– –	175	– –	NA	NA	13,047
Petrochemical Feedstocks	– –	– –	10,690	386	132	– –	342	– –	810	10,056	2,202
Naphtha for Petro. Feed. Use	– –	– –	6,588	176	132	– –	289	– –	–	6,607	1,679
Other Oils for Petro. Feed. Use	– –	– –	4,102	210	–	– –	53	– –	810	3,449	523
Special Naphthas	– –	– –	1,688	713	-46	– –	50	– –	–	2,305	816
Lubricants	– –	– –	6,825	1,939	-1,253	– –	-597	– –	4,075	4,033	9,461
Waxes	– –	– –	210	8	–	– –	-51	– –	40	229	282
Petroleum Coke	– –	– –	25,928	733	2,017	– –	701	– –	27,144	834	3,595
Marketable	– –	– –	20,418	733	2,017	– –	701	– –	27,144	-4,676	3,595
Catalyst	– –	– –	5,510	– –	– –	– –	– –	– –	– –	5,510	– –
Asphalt and Road Oil	– –	– –	4,019	–	257	– –	61	– –	997	3,218	5,991
Still Gas	– –	– –	19,320	– –	– –	– –	– –	– –	– –	19,320	– –
Miscellaneous Products	– –	– –	3,028	–	-14	– –	80	– –	115	2,819	683
Total	**750,730**	**7,667**	**432,377**	**114,397**	**-96,434**	**40,778**	**9,032**	**398,159**	**496,522**	**345,802**	**988,288**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil[6]	**9,060**	**– –**	**– –**	**1,384**	**1,218**	**491**	**254**	**8,023**	**3,877**	**0**
Hydrocarbon Gas Liquids	**3,602**	**0**	**330**	**0**	**909**	**– –**	**-147**	**462**	**2,161**	**2,364**
Natural Gas Liquids	3,602	0	151	0	894	– –	-146	462	2,161	2,169
Ethane	1,629	– –	5	–	514	– –	-24	– –	340	1,832
Propane	1,071	– –	152	–	337	– –	-58	– –	1,409	208
Normal Butane	251	–	4	0	115	– –	-50	185	405	-170
Isobutane	302	–	-9	–	27	– –	-32	136	4	212
Natural Gasoline	348	0	– –	–	-99	– –	18	140	3	87
Refinery Olefins	– –	– –	179	–	15	– –	0	– –	– –	195
Ethylene	– –	– –	–	–	–	– –	0	– –	– –	0
Propylene	– –	– –	186	–	15	– –	-4	– –	– –	205
Normal Butylene	– –	– –	-7	–	–	– –	3	– –	– –	-10
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**125**	**– –**	**501**	**-2,019**	**-60**	**-85**	**-1,734**	**261**	**106**
Hydrogen/Biofuels/Other Hydrocarbons	– –	125	– –	9	178	97	12	266	44	88
Hydrogen	– –	– –	– –	–	– –	108	– –	108	– –	0
Biofuels (including Fuel Ethanol)	– –	125	– –	9	178	-11	12	158	44	88
Fuel Ethanol	– –	21	– –	–	184	-11	6	146	43	0
Biofuels (excluding Fuel Ethanol)[7]	– –	104	– –	9	-6	– –	7	12	0	88
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	437	27	– –	-49	294	200	19
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	55	-2,224	-157	-48	-2,295	17	0
Reformulated	– –	–	– –	–	-339	230	-62	-49	2	0
Conventional	– –	–	– –	55	-1,885	-387	13	-2,246	15	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	0	1	–	-1
Finished Petroleum Products	**– –**	**0**	**6,978**	**142**	**-1,578**	**168**	**-118**	**– –**	**2,371**	**3,456**
Finished Motor Gasoline	– –	0	2,145	0	-64	168	55	– –	745	1,449
Reformulated	– –	–	458	–	–	-194	–	– –	–	264
Conventional	– –	0	1,687	0	-64	362	55	– –	745	1,186
Finished Aviation Gasoline	– –	– –	11	–	-4	– –	2	– –	–	5
Kerosene-Type Jet Fuel	– –	–	817	–	-553	– –	-49	– –	132	180
Kerosene	– –	–	6	–	-11	– –	3	– –	1	-8
Distillate Fuel Oil	– –	0	2,682	–	-1,003	– –	-118	– –	843	954
15 ppm sulfur and under	– –	0	2,475	–	-990	– –	-115	– –	710	890
Greater than 15 ppm to 500 ppm sulfur	– –	0	80	–	-2	– –	1	– –	79	-2
Greater than 500 ppm sulfur	– –	–	127	–	-11	– –	-4	– –	54	66
Residual Fuel Oil	– –	– –	131	83	31	– –	-21	– –	123	142
Less than 0.31 percent sulfur	– –	– –	36	–	5	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	36	7	11	– –	-15	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	59	75	15	– –	-6	– –	NA	NA
Petrochemical Feedstocks	– –	– –	172	8	2	– –	3	– –	29	149
Naphtha for Petro. Feed. Use	– –	– –	95	4	2	– –	3	– –	–	99
Other Oils for Petro. Feed. Use	– –	– –	77	4	–	– –	1	– –	29	50
Special Naphthas	– –	– –	29	5	-1	– –	0	– –	–	33
Lubricants	– –	– –	106	37	-21	– –	-11	– –	67	65
Waxes	– –	– –	4	–	–	– –	-1	– –	1	4
Petroleum Coke	– –	– –	431	9	40	– –	14	– –	416	51
Marketable	– –	– –	336	9	40	– –	14	– –	416	-44
Catalyst	– –	– –	95	– –	– –	– –	– –	– –	– –	95
Asphalt and Road Oil	– –	– –	70	–	6	– –	4	– –	14	59
Still Gas	– –	– –	322	– –	– –	– –	– –	– –	– –	322
Miscellaneous Products	– –	– –	52	–	0	– –	0	– –	1	51
Total	**12,662**	**125**	**7,308**	**2,027**	**-1,470**	**599**	**-96**	**6,751**	**8,671**	**5,926**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil[6]	**9,115**	**– –**	**– –**	**1,321**	**1,034**	**578**	**335**	**8,095**	**3,617**	**0**
Hydrocarbon Gas Liquids	**3,610**	**-1**	**319**	**0**	**753**	**– –**	**-355**	**487**	**2,118**	**2,431**
Natural Gas Liquids	3,610	-1	138	0	738	– –	-353	487	2,118	2,234
Ethane	1,620	– –	4	–	480	– –	-36	– –	325	1,816
Propane	1,078	– –	149	–	248	– –	-90	– –	1,364	202
Normal Butane	249	–	-8	0	114	– –	-154	205	419	-114
Isobutane	310	–	-7	–	22	– –	-25	137	3	211
Natural Gasoline	352	-1	– –	–	-127	– –	-47	145	7	119
Refinery Olefins	– –	– –	181	–	14	– –	-2	– –	– –	197
Ethylene	– –	– –	0	–	–	– –	0	– –	– –	0
Propylene	– –	– –	185	–	14	– –	-7	– –	– –	206
Normal Butylene	– –	– –	-5	–	–	– –	5	– –	– –	-10
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**130**	**– –**	**477**	**-1,928**	**-32**	**87**	**-1,833**	**249**	**145**
Hydrogen/Biofuels/Other Hydrocarbons	– –	130	– –	7	157	116	11	268	46	85
Hydrogen	– –	– –	– –	–	– –	114	– –	114	– –	0
Biofuels (including Fuel Ethanol)	– –	130	– –	7	157	2	11	154	46	85
Fuel Ethanol	– –	22	– –	–	165	2	2	142	46	0
Biofuels (excluding Fuel Ethanol)[7]	– –	108	– –	7	-9	– –	9	12	0	85
Other Hydrocarbons	– –	– –	– –	0	–	0	–	–	–	0
Unfinished Oils	– –	– –	– –	427	30	– –	-32	271	157	61
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	44	-2,114	-148	108	-2,372	45	0
Reformulated	– –	–	– –	–	-313	231	6	-90	1	0
Conventional	– –	–	– –	44	-1,801	-378	102	-2,282	44	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	0	1	–	0
Finished Petroleum Products	**– –**	**0**	**7,010**	**141**	**-1,493**	**145**	**85**	**– –**	**2,432**	**3,285**
Finished Motor Gasoline	– –	0	2,110	0	-68	145	1	– –	793	1,393
Reformulated	– –	–	443	–	–	-204	–	– –	–	239
Conventional	– –	0	1,667	0	-68	349	1	– –	793	1,154
Finished Aviation Gasoline	– –	– –	9	–	-5	– –	1	– –	–	2
Kerosene-Type Jet Fuel	– –	–	840	–	-508	– –	22	– –	148	162
Kerosene	– –	–	7	–	-10	– –	0	– –	9	-12
Distillate Fuel Oil	– –	0	2,704	5	-951	– –	37	– –	821	900
15 ppm sulfur and under	– –	0	2,525	5	-936	– –	33	– –	691	869
Greater than 15 ppm to 500 ppm sulfur	– –	0	77	–	-2	– –	-1	– –	79	-3
Greater than 500 ppm sulfur	– –	–	101	–	-12	– –	6	– –	51	33
Residual Fuel Oil	– –	– –	126	71	30	– –	14	– –	99	115
Less than 0.31 percent sulfur	– –	– –	36	1	3	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	36	10	8	– –	11	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	54	61	19	– –	3	– –	NA	NA
Petrochemical Feedstocks	– –	– –	181	7	2	– –	6	– –	14	170
Naphtha for Petro. Feed. Use	– –	– –	112	3	2	– –	5	– –	–	112
Other Oils for Petro. Feed. Use	– –	– –	70	4	–	– –	1	– –	14	58
Special Naphthas	– –	– –	29	12	-1	– –	1	– –	–	39
Lubricants	– –	– –	116	33	-21	– –	-10	– –	69	68
Waxes	– –	– –	4	0	–	– –	-1	– –	1	4
Petroleum Coke	– –	– –	439	12	34	– –	12	– –	460	14
Marketable	– –	– –	346	12	34	– –	12	– –	460	-79
Catalyst	– –	– –	93	– –	– –	– –	– –	– –	– –	93
Asphalt and Road Oil	– –	– –	68	–	4	– –	1	– –	17	55
Still Gas	– –	– –	327	– –	– –	– –	– –	– –	– –	327
Miscellaneous Products	– –	– –	51	–	0	– –	1	– –	2	48
Total	**12,724**	**130**	**7,328**	**1,939**	**-1,634**	**691**	**153**	**6,748**	**8,416**	**5,861**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.
7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**23,709**	**– –**	**– –**	**12,489**	**-19,930**	**-1,654**	**51**	**14,564**	**–**	**0**	**24,726**
Hydrocarbon Gas Liquids	**13,476**	**-7**	**99**	**901**	**-12,341**	**– –**	**-135**	**524**	**9**	**1,731**	**5,304**
Natural Gas Liquids	13,476	-7	74	901	-12,341	– –	-81	524	9	1,652	5,253
Ethane	4,014	– –	–	–	-3,782	– –	175	– –	0	57	1,089
Propane	4,896	– –	156	890	-4,370	– –	-114	– –	0	1,686	1,927
Normal Butane	1,898	–	-33	9	-1,844	– –	-31	216	–	-155	996
Isobutane	855	–	-49	–	-800	– –	-34	129	–	-89	442
Natural Gasoline	1,813	-7	– –	2	-1,545	– –	-77	179	8	153	799
Refinery Olefins	– –	– –	25	–	–	– –	-54	– –	– –	79	51
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	3	–	–	– –	-1	– –	– –	4	2
Normal Butylene	– –	– –	22	–	–	– –	-53	– –	– –	75	49
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**680**	**– –**	**108**	**1,184**	**90**	**622**	**875**	**39**	**527**	**10,248**
Hydrogen/Biofuels/Other Hydrocarbons	– –	680	– –	8	435	278	-21	960	39	424	696
Hydrogen	– –	– –	– –	–	– –	188	– –	188	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	680	– –	8	435	90	-21	772	39	424	696
Fuel Ethanol	– –	274	– –	–	415	90	7	734	39	0	418
Biofuels (excluding Fuel Ethanol)[6]	– –	406	– –	8	21	– –	-28	38	–	424	278
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	299	-402	–	103	3,381
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	100	749	-188	344	317	–	0	6,171
Reformulated	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	–	– –	100	749	-188	344	317	–	0	6,171
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**-1**	**16,676**	**192**	**231**	**98**	**814**	**– –**	**19**	**16,363**	**9,357**
Finished Motor Gasoline	– –	–	8,502	–	-194	98	-75	– –	0	8,480	1,485
Reformulated	– –	–	–	–	–	–	1	– –	–	-1	–
Conventional	– –	–	8,502	–	-194	98	-76	– –	0	8,481	1,484
Finished Aviation Gasoline	– –	– –	3	–	–	– –	-1	– –	–	4	8
Kerosene-Type Jet Fuel	– –	–	760	44	787	– –	121	– –	–	1,470	746
Kerosene	– –	–	–	–	–	– –	0	– –	–	0	1
Distillate Fuel Oil	– –	-1	5,063	36	79	– –	563	– –	–	4,614	4,514
15 ppm sulfur and under	– –	-1	5,012	36	79	– –	524	– –	–	4,602	4,269
Greater than 15 ppm to 500 ppm sulfur	– –	–	54	–	–	– –	41	– –	–	13	188
Greater than 500 ppm sulfur	– –	–	-3	–	–	– –	-2	– –	–	-1	57
Residual Fuel Oil	– –	– –	335	11	–	– –	41	– –	–	305	259
Less than 0.31 percent sulfur	– –	– –	155	11	–	– –	-1	– –	NA	NA	26
0.31 to 1.00 percent sulfur	– –	– –	25	–	–	– –	1	– –	NA	NA	6
Greater than 1.00 percent sulfur	– –	– –	155	–	–	– –	41	– –	NA	NA	227
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Special Naphthas	– –	– –	–	–	–	– –	–	– –	–	–	–
Lubricants	– –	– –	–	–	–	– –	–	– –	17	-17	–
Waxes	– –	– –	–	–	–	– –	–	– –	1	-1	–
Petroleum Coke	– –	– –	716	–	-194	– –	-17	– –	–	539	114
Marketable	– –	– –	502	–	-194	– –	-17	– –	–	325	114
Catalyst	– –	– –	214	– –	– –	– –	– –	– –	– –	214	– –
Asphalt and Road Oil	– –	– –	612	101	-247	– –	183	– –	1	282	2,217
Still Gas	– –	– –	596	– –	– –	– –	– –	– –	– –	596	– –
Miscellaneous Products	– –	– –	89	–	–	– –	-1	– –	–	90	13
Total	**37,185**	**673**	**16,775**	**13,690**	**-30,855**	**-1,466**	**1,352**	**15,963**	**67**	**18,621**	**49,635**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**50,266**	**– –**	**– –**	**25,816**	**-42,460**	**-4,101**	**305**	**29,217**	**–**	**0**	**24,726**
Hydrocarbon Gas Liquids	**27,692**	**-15**	**88**	**1,961**	**-25,892**	**– –**	**-816**	**1,092**	**17**	**3,541**	**5,304**
Natural Gas Liquids	27,692	-15	95	1,960	-25,892	– –	-789	1,092	17	3,520	5,253
Ethane	8,052	– –	–	–	-7,963	– –	53	– –	0	36	1,089
Propane	10,030	– –	323	1,858	-9,133	– –	-470	– –	1	3,547	1,927
Normal Butane	3,994	–	-170	98	-3,931	– –	-415	489	–	-83	996
Isobutane	1,769	–	-58	–	-1,652	– –	17	263	–	-221	442
Natural Gasoline	3,847	-15	– –	4	-3,213	– –	26	340	16	241	799
Refinery Olefins	– –	– –	-7	1	–	– –	-27	– –	– –	21	51
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	-6	1	–	– –	-8	– –	– –	3	2
Normal Butylene	– –	– –	-1	–	–	– –	-19	– –	– –	18	49
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**1,394**	**– –**	**271**	**2,354**	**338**	**541**	**2,731**	**53**	**1,031**	**10,248**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,394	– –	20	941	537	115	1,977	51	748	696
Hydrogen	– –	– –	– –	–	– –	360	– –	360	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	1,394	– –	20	941	177	115	1,617	51	748	696
Fuel Ethanol	– –	585	– –	–	904	177	76	1,539	51	0	418
Biofuels (excluding Fuel Ethanol)[6]	– –	809	– –	20	37	– –	40	78	–	748	278
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	386	-669	0	283	3,381
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	251	1,413	-199	40	1,423	2	0	6,171
Reformulated	– –	–	– –	–	–	–	–	–	–	–	–
Conventional	– –	–	– –	251	1,413	-199	40	1,423	2	0	6,171
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**-1**	**34,552**	**262**	**536**	**22**	**1,417**	**– –**	**39**	**33,916**	**9,357**
Finished Motor Gasoline	– –	–	17,977	–	-493	22	199	– –	1	17,306	1,485
Reformulated	– –	–	–	–	–	–	1	– –	–	-1	–
Conventional	– –	–	17,977	–	-493	22	198	– –	1	17,307	1,484
Finished Aviation Gasoline	– –	– –	6	–	–	– –	-1	– –	–	7	8
Kerosene-Type Jet Fuel	– –	–	1,395	54	1,841	– –	-9	– –	–	3,299	746
Kerosene	– –	–	–	–	–	– –	-1	– –	–	1	1
Distillate Fuel Oil	– –	-1	10,367	36	272	– –	820	– –	0	9,854	4,514
15 ppm sulfur and under	– –	-1	10,224	36	272	– –	771	– –	0	9,760	4,269
Greater than 15 ppm to 500 ppm sulfur	– –	–	135	–	–	– –	40	– –	–	95	188
Greater than 500 ppm sulfur	– –	–	8	–	–	– –	9	– –	–	-1	57
Residual Fuel Oil	– –	– –	630	11	–	– –	49	– –	–	592	259
Less than 0.31 percent sulfur	– –	– –	330	11	–	– –	0	– –	NA	NA	26
0.31 to 1.00 percent sulfur	– –	– –	37	–	–	– –	2	– –	NA	NA	6
Greater than 1.00 percent sulfur	– –	– –	263	–	–	– –	47	– –	NA	NA	227
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–	–
Special Naphthas	– –	– –	–	1	–	– –	–	– –	–	1	–
Lubricants	– –	– –	–	–	–	– –	–	– –	33	-33	–
Waxes	– –	– –	–	–	–	– –	–	– –	1	-1	–
Petroleum Coke	– –	– –	1,435	–	-428	– –	17	– –	0	990	114
Marketable	– –	– –	1,038	–	-428	– –	17	– –	0	593	114
Catalyst	– –	– –	397	– –	– –	– –	– –	– –	– –	397	– –
Asphalt and Road Oil	– –	– –	1,321	160	-656	– –	346	– –	4	475	2,217
Still Gas	– –	– –	1,223	– –	– –	– –	– –	– –	– –	1,223	– –
Miscellaneous Products	– –	– –	198	–	–	– –	-3	– –	–	201	13
Total	**77,958**	**1,378**	**34,640**	**28,310**	**-65,462**	**-3,741**	**1,447**	**33,040**	**109**	**38,487**	**49,635**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**847**	**– –**	**– –**	**446**	**-712**	**-59**	**2**	**520**	**–**	**0**
Hydrocarbon Gas Liquids	**481**	**0**	**4**	**32**	**-441**	**– –**	**-5**	**19**	**0**	**62**
Natural Gas Liquids	481	0	3	32	-441	– –	-3	19	0	59
Ethane	143	– –	–	–	-135	– –	6	– –	0	2
Propane	175	– –	6	32	-156	– –	-4	– –	0	60
Normal Butane	68	–	-1	0	-66	– –	-1	8	–	-6
Isobutane	31	–	-2	–	-29	– –	-1	5	–	-3
Natural Gasoline	65	0	– –	0	-55	– –	-3	6	0	5
Refinery Olefins	– –	– –	1	–	–	– –	-2	– –	– –	3
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	0	–	–	– –	0	– –	– –	0
Normal Butylene	– –	– –	1	–	–	– –	-2	– –	– –	3
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**24**	**– –**	**4**	**42**	**3**	**22**	**31**	**1**	**19**
Hydrogen/Biofuels/Other Hydrocarbons	– –	24	– –	0	16	10	-1	34	1	15
Hydrogen	– –	– –	– –	–	– –	7	– –	7	– –	0
Biofuels (including Fuel Ethanol)	– –	24	– –	0	16	3	-1	28	1	15
Fuel Ethanol	– –	10	– –	–	15	3	0	26	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	14	– –	0	1	– –	-1	1	–	15
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	11	-14	–	4
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	4	27	-7	12	11	–	0
Reformulated	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	–	– –	4	27	-7	12	11	–	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**596**	**7**	**8**	**3**	**29**	**– –**	**1**	**584**
Finished Motor Gasoline	– –	–	304	–	-7	3	-3	– –	0	303
Reformulated	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	–	304	–	-7	3	-3	– –	0	303
Finished Aviation Gasoline	– –	– –	0	–	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	–	27	2	28	– –	4	– –	–	53
Kerosene	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	0	181	1	3	– –	20	– –	–	165
15 ppm sulfur and under	– –	0	179	1	3	– –	19	– –	–	164
Greater than 15 ppm to 500 ppm sulfur	– –	–	2	–	–	– –	1	– –	–	0
Greater than 500 ppm sulfur	– –	–	0	–	–	– –	0	– –	–	0
Residual Fuel Oil	– –	– –	12	0	–	– –	1	– –	–	11
Less than 0.31 percent sulfur	– –	– –	6	0	–	– –	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	– –	– –	–	–	–	– –	–	– –	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–
Special Naphthas	– –	– –	–	–	–	– –	–	– –	–	–
Lubricants	– –	– –	–	–	–	– –	–	– –	1	-1
Waxes	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	26	–	-7	– –	-1	– –	–	19
Marketable	– –	– –	18	–	-7	– –	-1	– –	–	12
Catalyst	– –	– –	8	– –	– –	– –	– –	– –	– –	8
Asphalt and Road Oil	– –	– –	22	4	-9	– –	7	– –	0	10
Still Gas	– –	– –	21	– –	– –	– –	– –	– –	– –	21
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	–	3
Total	**1,328**	**24**	**599**	**489**	**-1,102**	**-52**	**48**	**570**	**2**	**665**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**852**	**– –**	**– –**	**438**	**-720**	**-70**	**5**	**495**	**–**	**0**
Hydrocarbon Gas Liquids	**469**	**0**	**1**	**33**	**-439**	**– –**	**-14**	**19**	**0**	**60**
Natural Gas Liquids	469	0	2	33	-439	– –	-13	19	0	60
Ethane	136	– –	–	–	-135	– –	1	– –	0	1
Propane	170	– –	5	31	-155	– –	-8	– –	0	60
Normal Butane	68	–	-3	2	-67	– –	-7	8	–	-1
Isobutane	30	–	-1	–	-28	– –	0	4	–	-4
Natural Gasoline	65	0	– –	0	-54	– –	0	6	0	4
Refinery Olefins	– –	– –	0	0	–	– –	0	– –	– –	0
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	0	0	–	– –	0	– –	– –	0
Normal Butylene	– –	– –	0	–	–	– –	0	– –	– –	0
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**24**	**– –**	**5**	**40**	**6**	**9**	**46**	**1**	**17**
Hydrogen/Biofuels/Other Hydrocarbons	– –	24	– –	0	16	9	2	34	1	13
Hydrogen	– –	– –	– –	–	– –	6	– –	6	– –	0
Biofuels (including Fuel Ethanol)	– –	24	– –	0	16	3	2	27	1	13
Fuel Ethanol	– –	10	– –	–	15	3	1	26	1	0
Biofuels (excluding Fuel Ethanol)[6]	– –	14	– –	0	1	– –	1	1	–	13
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	–	–	– –	7	-11	0	5
Motor Gasoline Blend.Comp. (MGBC)	– –	–	– –	4	24	-3	1	24	0	0
Reformulated	– –	–	– –	–	–	–	–	–	–	–
Conventional	– –	–	– –	4	24	-3	1	24	0	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**0**	**586**	**4**	**9**	**0**	**24**	**– –**	**1**	**575**
Finished Motor Gasoline	– –	–	305	–	-8	0	3	– –	0	293
Reformulated	– –	–	–	–	–	–	0	– –	–	0
Conventional	– –	–	305	–	-8	0	3	– –	0	293
Finished Aviation Gasoline	– –	– –	0	–	–	– –	0	– –	–	0
Kerosene-Type Jet Fuel	– –	–	24	1	31	– –	0	– –	–	56
Kerosene	– –	–	–	–	–	– –	0	– –	–	0
Distillate Fuel Oil	– –	0	176	1	5	– –	14	– –	0	167
15 ppm sulfur and under	– –	0	173	1	5	– –	13	– –	0	165
Greater than 15 ppm to 500 ppm sulfur	– –	–	2	–	–	– –	1	– –	–	2
Greater than 500 ppm sulfur	– –	–	0	–	–	– –	0	– –	–	0
Residual Fuel Oil	– –	– –	11	0	–	– –	1	– –	–	10
Less than 0.31 percent sulfur	– –	– –	6	0	–	– –	0	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	1	–	–	– –	0	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	4	–	–	– –	1	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	–	–	– –	–	– –	–	–
Naphtha for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	–	–
Special Naphthas	– –	– –	–	0	–	– –	–	– –	–	0
Lubricants	– –	– –	–	–	–	– –	–	– –	1	-1
Waxes	– –	– –	–	–	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	24	–	-7	– –	0	– –	0	17
Marketable	– –	– –	18	–	-7	– –	0	– –	0	10
Catalyst	– –	– –	7	– –	– –	– –	– –	– –	– –	7
Asphalt and Road Oil	– –	– –	22	3	-11	– –	6	– –	0	8
Still Gas	– –	– –	21	– –	– –	– –	– –	– –	– –	21
Miscellaneous Products	– –	– –	3	–	–	– –	0	– –	–	3
Total	**1,321**	**23**	**587**	**480**	**-1,110**	**-63**	**25**	**560**	**2**	**652**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**21,159**	**– –**	**– –**	**32,898**	**3,358**	**463**	**1,282**	**56,596**	**–**	**0**	**49,287**
Hydrocarbon Gas Liquids	**1,943**	**-3**	**851**	**1,564**	**1,359**	**– –**	**-303**	**2,303**	**1,585**	**2,130**	**2,853**
Natural Gas Liquids	1,943	-3	721	1,564	1,359	– –	-399	2,303	1,585	2,096	2,733
Ethane	1	– –	–	–	–	– –	–	– –	–	1	–
Propane	212	– –	687	1,114	527	– –	-364	– –	932	1,972	789
Normal Butane	561	–	7	440	679	– –	-29	687	629	400	1,544
Isobutane	182	–	27	10	153	– –	-9	682	–	-301	378
Natural Gasoline	987	-3	– –	–	–	– –	3	934	24	24	22
Refinery Olefins	– –	– –	130	–	–	– –	96	– –	– –	34	120
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	142	–	–	– –	8	– –	– –	134	20
Normal Butylene	– –	– –	-12	–	–	– –	88	– –	– –	-100	100
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**945**	**– –**	**3,585**	**8,702**	**375**	**985**	**10,958**	**523**	**1,141**	**54,970**
Hydrogen/Biofuels/Other Hydrocarbons	– –	946	– –	648	4,251	1,817	186	5,882	341	1,253	5,890
Hydrogen	– –	– –	– –	–	– –	1,049	– –	1,049	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	946	– –	648	4,251	768	186	4,833	341	1,253	5,890
Fuel Ethanol	– –	72	– –	–	3,493	768	-14	4,060	287	0	2,451
Biofuels (excluding Fuel Ethanol)[6]	– –	873	– –	648	758	– –	200	773	53	1,253	3,438
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	2,134	–	– –	2,334	-107	20	-113	20,477
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	803	4,451	-1,443	-1,535	5,183	163	0	28,604
Reformulated	– –	0	– –	142	1,845	522	-1,543	4,052	0	0	13,371
Conventional	– –	0	– –	661	2,606	-1,965	8	1,131	163	0	15,232
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**54**	**73,232**	**5,385**	**1,988**	**674**	**1,499**	**– –**	**6,692**	**73,141**	**34,698**
Finished Motor Gasoline	– –	52	39,530	330	86	674	-151	– –	883	39,940	1,889
Reformulated	– –	–	27,932	–	–	-293	-2	– –	–	27,641	16
Conventional	– –	52	11,598	330	86	967	-149	– –	883	12,299	1,873
Finished Aviation Gasoline	– –	– –	1	–	–	– –	-20	– –	–	21	301
Kerosene-Type Jet Fuel	– –	2	11,296	2,907	191	– –	696	– –	838	12,863	9,036
Kerosene	– –	–	4	–	–	– –	0	– –	0	4	11
Distillate Fuel Oil	– –	-1	12,570	726	1,216	– –	168	– –	1,490	12,853	12,710
15 ppm sulfur and under	– –	-1	11,767	726	1,216	– –	84	– –	835	12,789	11,915
Greater than 15 ppm to 500 ppm sulfur	– –	–	274	–	–	– –	-43	– –	210	107	194
Greater than 500 ppm sulfur	– –	–	529	–	–	– –	127	– –	445	-43	601
Residual Fuel Oil	– –	– –	2,086	1,243	–	– –	398	– –	300	2,631	5,071
Less than 0.31 percent sulfur	– –	– –	55	–	–	– –	276	– –	NA	NA	950
0.31 to 1.00 percent sulfur	– –	– –	626	1,206	–	– –	184	– –	NA	NA	794
Greater than 1.00 percent sulfur	– –	– –	1,405	37	–	– –	-62	– –	NA	NA	3,327
Petrochemical Feedstocks	– –	– –	–	28	–	– –	–	– –	50	-22	–
Naphtha for Petro. Feed. Use	– –	– –	–	28	–	– –	–	– –	–	28	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	50	-50	–
Special Naphthas	– –	– –	–	37	–	– –	-33	– –	–	70	27
Lubricants	– –	– –	445	40	–	– –	311	– –	62	112	1,354
Waxes	– –	– –	–	6	–	– –	–	– –	4	2	–
Petroleum Coke	– –	– –	3,312	–	65	– –	-79	– –	3,037	419	1,100
Marketable	– –	– –	2,612	–	65	– –	-79	– –	3,037	-281	1,100
Catalyst	– –	– –	700	– –	– –	– –	– –	– –	– –	700	– –
Asphalt and Road Oil	– –	– –	662	68	430	– –	206	– –	27	927	3,122
Still Gas	– –	– –	2,976	– –	– –	– –	– –	– –	– –	2,976	– –
Miscellaneous Products	– –	– –	350	–	–	– –	4	– –	0	346	76
Total	**23,102**	**996**	**74,083**	**43,432**	**15,406**	**1,512**	**3,463**	**69,857**	**8,800**	**76,411**	**141,808**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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-February 2023
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]	
Crude Oil	**44,931**	**– –**	**– –**	**67,574**	**6,544**	**-407**	**1,285**	**117,357**	**–**	**0**	**49,287**
Hydrocarbon Gas Liquids	**4,149**	**-6**	**686**	**3,381**	**3,200**	**– –**	**-1,003**	**5,257**	**2,610**	**4,546**	**2,853**
Natural Gas Liquids	4,149	-6	392	3,381	3,200	– –	-1,106	5,257	2,610	4,355	2,733
Ethane	2	– –	–	–	–	– –	–	– –	–	2	–
Propane	453	– –	1,478	2,436	1,149	– –	-691	– –	1,674	4,533	789
Normal Butane	1,147	–	-1,155	935	1,705	– –	-489	1,864	888	370	1,544
Isobutane	440	–	69	10	345	– –	74	1,390	2	-601	378
Natural Gasoline	2,107	-6	– –	–	–	– –	0	2,003	47	51	22
Refinery Olefins	– –	– –	294	–	–	– –	103	– –	– –	191	120
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–	–
Propylene	– –	– –	320	–	–	– –	6	– –	– –	314	20
Normal Butylene	– –	– –	-26	–	–	– –	97	– –	– –	-123	100
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0	0
Other Liquids	**– –**	**1,863**	**– –**	**6,408**	**18,204**	**552**	**428**	**22,342**	**977**	**3,280**	**54,970**
Hydrogen/Biofuels/Other Hydrocarbons	– –	1,863	– –	1,385	8,943	3,824	175	12,211	631	2,999	5,890
Hydrogen	– –	– –	– –	–	– –	2,324	– –	2,324	– –	0	– –
Biofuels (including Fuel Ethanol)	– –	1,863	– –	1,385	8,943	1,500	175	9,887	631	2,999	5,890
Fuel Ethanol	– –	154	– –	–	7,151	1,500	-116	8,376	546	0	2,451
Biofuels (excluding Fuel Ethanol)[6]	– –	1,708	– –	1,385	1,792	– –	291	1,511	85	2,999	3,438
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	3,763	–	– –	2,001	1,441	40	281	20,477
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	1,260	9,261	-3,273	-1,748	8,690	306	0	28,604
Reformulated	– –	0	– –	142	3,721	313	-1,982	6,156	2	0	13,371
Conventional	– –	0	– –	1,118	5,540	-3,585	234	2,534	304	0	15,232
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–	–
Finished Petroleum Products	**– –**	**110**	**153,237**	**8,827**	**3,880**	**1,772**	**64**	**– –**	**17,273**	**150,490**	**34,698**
Finished Motor Gasoline	– –	108	82,310	461	145	1,772	-313	– –	2,131	82,978	1,889
Reformulated	– –	–	57,319	–	–	133	1	– –	–	57,451	16
Conventional	– –	108	24,991	461	145	1,640	-314	– –	2,131	25,527	1,873
Finished Aviation Gasoline	– –	– –	1	1	–	– –	-36	– –	–	38	301
Kerosene-Type Jet Fuel	– –	5	23,824	5,420	416	– –	106	– –	1,632	27,926	9,036
Kerosene	– –	–	6	–	–	– –	8	– –	1	-3	11
Distillate Fuel Oil	– –	-3	26,394	900	2,353	– –	-588	– –	5,279	24,954	12,710
15 ppm sulfur and under	– –	-3	24,933	900	2,353	– –	-459	– –	4,030	24,612	11,915
Greater than 15 ppm to 500 ppm sulfur	– –	–	532	–	–	– –	-38	– –	313	257	194
Greater than 500 ppm sulfur	– –	–	929	–	–	– –	-91	– –	935	85	601
Residual Fuel Oil	– –	– –	4,328	1,559	–	– –	-19	– –	1,124	4,782	5,071
Less than 0.31 percent sulfur	– –	– –	95	240	–	– –	249	– –	NA	NA	950
0.31 to 1.00 percent sulfur	– –	– –	1,197	1,282	–	– –	-60	– –	NA	NA	794
Greater than 1.00 percent sulfur	– –	– –	3,036	37	–	– –	-208	– –	NA	NA	3,327
Petrochemical Feedstocks	– –	– –	–	66	–	– –	–	– –	50	16	–
Naphtha for Petro. Feed. Use	– –	– –	–	66	–	– –	–	– –	–	66	–
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	50	-50	–
Special Naphthas	– –	– –	33	74	–	– –	-5	– –	–	112	27
Lubricants	– –	– –	903	45	–	– –	327	– –	303	318	1,354
Waxes	– –	– –	–	19	–	– –	–	– –	9	10	–
Petroleum Coke	– –	– –	6,897	–	48	– –	-164	– –	6,694	415	1,100
Marketable	– –	– –	5,291	–	48	– –	-164	– –	6,694	-1,191	1,100
Catalyst	– –	– –	1,606	– –	– –	– –	– –	– –	– –	1,606	– –
Asphalt and Road Oil	– –	– –	1,333	282	918	– –	749	– –	49	1,735	3,122
Still Gas	– –	– –	6,463	– –	– –	– –	– –	– –	– –	6,463	– –
Miscellaneous Products	– –	– –	745	–	–	– –	-2	– –	0	747	76
Total	**49,080**	**1,967**	**153,923**	**86,190**	**31,828**	**1,917**	**774**	**144,956**	**20,860**	**158,315**	**141,808**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**756**	**– –**	**– –**	**1,175**	**120**	**17**	**46**	**2,021**	**–**	**0**
Hydrocarbon Gas Liquids	**69**	**0**	**30**	**56**	**49**	**– –**	**-11**	**82**	**57**	**76**
Natural Gas Liquids	69	0	26	56	49	– –	-14	82	57	75
Ethane	0	– –	–	–	–	– –	–	– –	–	0
Propane	8	– –	25	40	19	– –	-13	– –	33	70
Normal Butane	20	–	0	16	24	– –	-1	25	22	14
Isobutane	7	–	1	0	5	– –	0	24	–	-11
Natural Gasoline	35	0	– –	–	–	– –	0	33	1	1
Refinery Olefins	– –	– –	5	–	–	– –	3	– –	– –	1
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	5	–	–	– –	0	– –	– –	5
Normal Butylene	– –	– –	0	–	–	– –	3	– –	– –	-4
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**34**	**– –**	**128**	**311**	**13**	**35**	**391**	**19**	**41**
Hydrogen/Biofuels/Other Hydrocarbons	– –	34	– –	23	152	65	7	210	12	45
Hydrogen	– –	– –	– –	–	– –	37	– –	37	– –	0
Biofuels (including Fuel Ethanol)	– –	34	– –	23	152	27	7	173	12	45
Fuel Ethanol	– –	3	– –	–	125	27	0	145	10	0
Biofuels (excluding Fuel Ethanol)[6]	– –	31	– –	23	27	– –	7	28	2	45
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	76	–	– –	83	-4	1	-4
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	29	159	-52	-55	185	6	0
Reformulated	– –	0	– –	5	66	19	-55	145	0	0
Conventional	– –	0	– –	24	93	-70	0	40	6	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**2**	**2,615**	**192**	**71**	**24**	**54**	**– –**	**239**	**2,612**
Finished Motor Gasoline	– –	2	1,412	12	3	24	-5	– –	32	1,426
Reformulated	– –	–	998	–	–	-10	0	– –	–	987
Conventional	– –	2	414	12	3	35	-5	– –	32	439
Finished Aviation Gasoline	– –	– –	0	–	–	– –	-1	– –	–	1
Kerosene-Type Jet Fuel	– –	0	403	104	7	– –	25	– –	30	459
Kerosene	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	0	449	26	43	– –	6	– –	53	459
15 ppm sulfur and under	– –	0	420	26	43	– –	3	– –	30	457
Greater than 15 ppm to 500 ppm sulfur	– –	–	10	–	–	– –	-2	– –	8	4
Greater than 500 ppm sulfur	– –	–	19	–	–	– –	5	– –	16	-2
Residual Fuel Oil	– –	– –	75	44	–	– –	14	– –	11	94
Less than 0.31 percent sulfur	– –	– –	2	–	–	– –	10	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	22	43	–	– –	7	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	50	1	–	– –	-2	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	1	–	– –	–	– –	2	-1
Naphtha for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	2	-2
Special Naphthas	– –	– –	–	1	–	– –	-1	– –	–	3
Lubricants	– –	– –	16	1	–	– –	11	– –	2	4
Waxes	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	118	–	2	– –	-3	– –	108	15
Marketable	– –	– –	93	–	2	– –	-3	– –	108	-10
Catalyst	– –	– –	25	– –	– –	– –	– –	– –	– –	25
Asphalt and Road Oil	– –	– –	24	2	15	– –	7	– –	1	33
Still Gas	– –	– –	106	– –	– –	– –	– –	– –	– –	106
Miscellaneous Products	– –	– –	13	–	–	– –	0	– –	0	12
Total	**825**	**36**	**2,646**	**1,551**	**550**	**54**	**124**	**2,495**	**314**	**2,729**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus 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-February 2023
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry)[1]	Net Receipts[2]	Adjust-ments[3]	Stock Change[4]	Refinery and Blender Net Inputs	Exports	Products Supplied[5]
Crude Oil	**762**	**– –**	**– –**	**1,145**	**111**	**-7**	**22**	**1,989**	**–**	**0**
Hydrocarbon Gas Liquids	**70**	**0**	**12**	**57**	**54**	**– –**	**-17**	**89**	**44**	**77**
Natural Gas Liquids	70	0	7	57	54	– –	-19	89	44	74
Ethane	0	– –	–	–	–	– –	–	– –	–	0
Propane	8	– –	25	41	19	– –	-12	– –	28	77
Normal Butane	19	–	-20	16	29	– –	-8	32	15	6
Isobutane	7	–	1	0	6	– –	1	24	0	-10
Natural Gasoline	36	0	– –	–	–	– –	0	34	1	1
Refinery Olefins	– –	– –	5	–	–	– –	2	– –	– –	3
Ethylene	– –	– –	–	–	–	– –	–	– –	– –	–
Propylene	– –	– –	5	–	–	– –	0	– –	– –	5
Normal Butylene	– –	– –	0	–	–	– –	2	– –	– –	-2
Isobutylene	– –	– –	–	–	–	– –	0	– –	– –	0
Other Liquids	**– –**	**32**	**– –**	**109**	**309**	**9**	**7**	**379**	**17**	**56**
Hydrogen/Biofuels/Other Hydrocarbons	– –	32	– –	23	152	65	3	207	11	51
Hydrogen	– –	– –	– –	–	– –	39	– –	39	– –	0
Biofuels (including Fuel Ethanol)	– –	32	– –	23	152	25	3	168	11	51
Fuel Ethanol	– –	3	– –	–	121	25	-2	142	9	0
Biofuels (excluding Fuel Ethanol)[6]	– –	29	– –	23	30	– –	5	26	1	51
Other Hydrocarbons	– –	– –	– –	–	–	–	–	–	–	–
Unfinished Oils	– –	– –	– –	64	–	– –	34	24	1	5
Motor Gasoline Blend.Comp. (MGBC)	– –	0	– –	21	157	-55	-30	147	5	0
Reformulated	– –	0	– –	2	63	5	-34	104	0	0
Conventional	– –	0	– –	19	94	-61	4	43	5	0
Aviation Gasoline Blend. Comp.	– –	– –	– –	–	–	– –	–	–	–	–
Finished Petroleum Products	**– –**	**2**	**2,597**	**150**	**66**	**30**	**1**	**– –**	**293**	**2,551**
Finished Motor Gasoline	– –	2	1,395	8	2	30	-5	– –	36	1,406
Reformulated	– –	–	972	–	–	2	0	– –	–	974
Conventional	– –	2	424	8	2	28	-5	– –	36	433
Finished Aviation Gasoline	– –	– –	0	0	–	– –	-1	– –	–	1
Kerosene-Type Jet Fuel	– –	0	404	92	7	– –	2	– –	28	473
Kerosene	– –	–	0	–	–	– –	0	– –	0	0
Distillate Fuel Oil	– –	0	447	15	40	– –	-10	– –	89	423
15 ppm sulfur and under	– –	0	423	15	40	– –	-8	– –	68	417
Greater than 15 ppm to 500 ppm sulfur	– –	–	9	–	–	– –	-1	– –	5	4
Greater than 500 ppm sulfur	– –	–	16	–	–	– –	-2	– –	16	1
Residual Fuel Oil	– –	– –	73	26	–	– –	0	– –	19	81
Less than 0.31 percent sulfur	– –	– –	2	4	–	– –	4	– –	NA	NA
0.31 to 1.00 percent sulfur	– –	– –	20	22	–	– –	-1	– –	NA	NA
Greater than 1.00 percent sulfur	– –	– –	51	1	–	– –	-4	– –	NA	NA
Petrochemical Feedstocks	– –	– –	–	1	–	– –	–	– –	1	0
Naphtha for Petro. Feed. Use	– –	– –	–	1	–	– –	–	– –	–	1
Other Oils for Petro. Feed. Use	– –	– –	–	–	–	– –	–	– –	1	-1
Special Naphthas	– –	– –	1	1	–	– –	0	– –	–	2
Lubricants	– –	– –	15	1	–	– –	6	– –	5	5
Waxes	– –	– –	–	0	–	– –	–	– –	0	0
Petroleum Coke	– –	– –	117	–	1	– –	-3	– –	113	7
Marketable	– –	– –	90	–	1	– –	-3	– –	113	-20
Catalyst	– –	– –	27	– –	– –	– –	– –	– –	– –	27
Asphalt and Road Oil	– –	– –	23	5	16	– –	13	– –	1	29
Still Gas	– –	– –	110	– –	– –	– –	– –	– –	– –	110
Miscellaneous Products	– –	– –	13	–	–	– –	0	– –	0	13
Total	**832**	**33**	**2,609**	**1,461**	**539**	**32**	**13**	**2,457**	**354**	**2,683**

– – = Not Applicable.
– = No Data Reported.
NA = Not Available.
1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.
3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.
4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.
6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.
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, February 2023
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,911	49,064	253,687	23,709	21,159	349,530	12,483
Alaskan	– –	– –	– –	– –	– –	12,494	446
Lower 48 States	– –	– –	– –	– –	– –	337,035	12,037
Imports (PAD District of Entry)	15,758	84,794	38,750	12,489	32,898	184,689	6,596
Commercial	15,758	84,794	38,750	12,489	32,898	184,689	6,596
Strategic Petroleum Reserve (SPR)	–	–	–	–	–	–	–
Net Receipts	1,509	-19,049	34,112	-19,930	3,358	–	–
Adjustments[1]	121	-400	13,761	-1,654	463	12,291	439
Disposition							
Stock Change[2]	453	3,651	7,113	51	1,282	12,550	448
Commercial	453	3,651	7,113	51	1,282	12,550	448
SPR	–	–	0	–	–	0	0
Refinery Inputs	18,846	107,387	224,632	14,564	56,596	422,025	15,072
Exports	–	3,371	108,564	–	–	111,935	3,998
Ending Stocks							
Total	7,617	127,600	634,706	24,726	49,287	843,936	– –
Commercial	7,617	127,600	263,127	24,726	49,287	472,357	– –
Refinery	5,513	14,249	45,256	2,447	21,009	88,474	– –
Tank Farms and Pipelines	2,104	113,351	217,871	22,279	23,710	379,315	– –
Cushing, Oklahoma	– –	40,208	– –	– –	– –	40,208	– –
Lease	– –	– –	– –	– –	– –	– –	– –
Alaskan Crude Oil In-Transit by Water	– –	– –	– –	– –	4,568	4,568	– –
SPR	–	–	371,579	–	–	371,579	– –
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	– –	– –	– –	– –	– –	44.0	– –
Percent of Total Petroleum Stocks (Percent)	– –	– –	– –	– –	– –	22.7	– –
Days of Total Petroleum Net Imports (Days)	– –	– –	– –	– –	– –	– –	– –
SPR Receipts Detail							
Receipts	–	–	–	–	–	–	–
Domestic	–	–	–	–	–	–	–
Imports	–	–	–	–	–	–	–
Imported by SPR	–	–	–	–	–	–	–
Imported for SPR by Others	–	–	–	–	–	–	–
Imports							
PAD District of Entry	15,758	84,794	38,750	12,489	32,898	184,689	6,596
PAD District of Processing	16,042	84,027	42,936	8,548	33,136	184,689	6,596

– – = 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, February 2023
(Thousand Barrels)

PAD District and State	February 2023		January-February 2023	
	Total	Daily Average	Total	Daily Average
PAD District 1	**1,911**	**68**	**3,988**	**68**
Florida	14	1	107	2
New York	20	1	43	1
Pennsylvania	350	12	714	12
Virginia	0	0	1	0
West Virginia	1,526	55	3,122	53
PAD District 2	**49,064**	**1,752**	**101,185**	**1,715**
Illinois	557	20	1,152	20
Indiana	125	4	250	4
Kansas	2,118	76	4,469	76
Kentucky	112	4	212	4
Michigan	326	12	722	12
Missouri	5	0	11	0
Nebraska	121	4	236	4
North Dakota	31,483	1,124	63,928	1,084
Ohio	2,350	84	4,866	82
Oklahoma	11,787	421	25,169	427
South Dakota	71	3	151	3
Tennessee	9	0	20	0
PAD District 3	**253,687**	**9,060**	**537,767**	**9,115**
Alabama	288	10	608	10
Arkansas	340	12	706	12
Louisiana	2,759	99	5,841	99
Mississippi	1,012	36	2,069	35
New Mexico	50,594	1,807	106,629	1,807
Texas	147,400	5,264	311,372	5,278
Federal Offshore PAD District 3	51,294	1,832	110,541	1,874
PAD District 4	**23,709**	**847**	**50,266**	**852**
Colorado	11,402	407	24,350	413
Idaho	3	0	6	0
Montana	1,840	66	3,835	65
Utah	3,660	131	7,664	130
Wyoming	6,805	243	14,411	244
PAD District 5	**21,159**	**756**	**44,931**	**762**
Alaska	12,494	446	26,395	447
South Alaska	253	9	522	9
North Slope	12,241	437	25,873	439
Arizona	0	0	1	0
California	8,497	303	18,180	308
Nevada	17	1	33	1
Federal Offshore PAD District 5	151	5	322	5
U.S. Total	**349,530**	**12,483**	**738,137**	**12,511**

¯ = 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, February 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**	**19,468**	**19,476**	**5,574**	**11,097**	**14,499**	**31,170**
Natural Gas Liquids	8	19,468	19,476	5,574	11,097	14,499	31,170
Ethane	–	8,881	8,881	2,266	2,878	5,905	11,049
Propane	3	6,220	6,223	2,141	4,262	4,655	11,058
Normal Butane	5	1,863	1,868	467	1,790	1,303	3,560
Isobutane	–	848	848	397	580	1,019	1,996
Natural Gasoline	–	1,656	1,656	303	1,587	1,617	3,507

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	**78,901**	**4,274**	**5,021**	**375**	**12,284**	**100,855**	**13,476**	**1,943**	**166,920**
Natural Gas Liquids	78,901	4,274	5,021	375	12,284	100,855	13,476	1,943	166,920
Ethane	35,856	2,196	2,067	65	5,441	45,625	4,014	1	69,570
Propane	23,506	1,159	1,637	114	3,578	29,994	4,896	212	52,383
Normal Butane	7,788	-2,593	491	51	1,304	7,041	1,898	561	14,928
Isobutane	4,167	3,221	365	40	664	8,457	855	182	12,338
Natural Gasoline	7,584	291	461	105	1,297	9,738	1,813	987	17,701

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	**3**	**280**	**283**	**902**	**113**	**376**	**1,391**
Natural Gas Liquids	3	280	283	902	113	376	1,391
Ethane	–	–	–	33	2	100	135
Propane	1	133	134	461	41	129	631
Normal Butane	2	63	65	217	25	48	290
Isobutane	–	12	12	68	6	34	108
Natural Gasoline	–	72	72	123	39	65	227

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	**283**	**358**	**380**	**9**	**1**	**1,031**	**178**	**202**	**3,085**
Natural Gas Liquids	283	358	380	9	1	1,031	178	202	3,085
Ethane	64	20	–	–	–	84	7	–	226
Propane	71	43	10	3	–	127	77	52	1,021
Normal Butane	12	33	168	4	–	217	33	103	708
Isobutane	98	12	101	–	–	211	18	30	379
Natural Gasoline	38	250	101	2	1	392	43	17	751

– = 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, February 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	**16,055**	**2,791**	**18,846**	**67,946**	**15,252**	**24,189**	**107,387**
Hydrocarbon Gas Liquids	**1,508**	**–**	**1,508**	**2,348**	**129**	**1,017**	**3,494**
Natural Gas Liquids	1,508	–	1,508	2,348	129	1,017	3,494
Normal Butane	1,112	–	1,112	655	65	241	961
Isobutane	120	–	120	1,224	56	369	1,649
Natural Gasoline	276	–	276	469	8	407	884
Other Liquids	**73,489**	**4,928**	**78,417**	**2,317**	**1,387**	**1,211**	**4,915**
Hydrogen/Biofuels/Other Hydrocarbons	8,761	690	9,451	4,996	1,267	1,747	8,010
Hydrogen	48	2	50	698	273	187	1,158
Biofuels (including Fuel Ethanol)	8,713	688	9,401	4,291	994	1,560	6,845
Fuel Ethanol	8,332	605	8,937	4,173	957	1,430	6,560
Biodiesel	378	83	461	118	37	59	214
Renewable Diesel Fuel	3	–	3	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	71	71
Other Hydrocarbons	–	–	–	7	–	–	7
Unfinished Oils (net)	537	-101	436	-2,511	8	-147	-2,650
Naphthas and Lighter	134	-48	86	-307	10	124	-173
Kerosene and Light Gas Oils	318	–	318	-373	0	16	-357
Heavy Gas Oils	-822	-54	-876	-1,288	-2	-344	-1,634
Residuum	907	1	908	-543	–	57	-486
Motor Gasoline Blend.Comp. (MGBC)(net)	64,191	4,339	68,530	-168	112	-389	-445
Reformulated - RBOB	14,452	–	14,452	-180	908	694	1,422
Conventional	49,739	4,339	54,078	12	-796	-1,083	-1,867
CBOB	42,712	4,328	47,040	1,429	-680	-974	-225
GTAB	1,329	–	1,329	–	–	–	–
Other	5,698	11	5,709	-1,417	-116	-109	-1,642
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**91,052**	**7,719**	**98,771**	**72,611**	**16,768**	**26,417**	**115,796**

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, February 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	**16,927**	**120,937**	**78,113**	**6,538**	**2,117**	**224,632**	**14,564**	**56,596**	**422,025**
Hydrocarbon Gas Liquids	**515**	**8,307**	**3,937**	**95**	**90**	**12,944**	**524**	**2,303**	**20,773**
Natural Gas Liquids	515	8,307	3,937	95	90	12,944	524	2,303	20,773
Normal Butane	220	2,845	2,082	46	–	5,193	216	687	8,169
Isobutane	261	2,265	1,159	43	90	3,818	129	682	6,398
Natural Gasoline	34	3,197	696	6	–	3,933	179	934	6,206
Other Liquids	**8,912**	**-39,263**	**-24,309**	**6,056**	**48**	**-48,556**	**875**	**10,958**	**46,609**
Hydrogen/Biofuels/Other Hydrocarbons	1,994	2,519	1,781	956	191	7,441	960	5,882	31,744
Hydrogen	93	1,606	1,242	58	25	3,024	188	1,049	5,469
Biofuels (including Fuel Ethanol)	1,901	913	539	898	166	4,417	772	4,833	26,268
Fuel Ethanol	1,844	793	436	879	129	4,081	734	4,060	24,372
Biodiesel	57	64	38	19	14	192	14	346	1,227
Renewable Diesel Fuel	–	–	–	–	–	–	–	419	422
Other Biofuels[1]	–	56	65	–	23	144	24	8	247
Other Hydrocarbons	–	–	–	–	–	–	–	–	7
Unfinished Oils (net)	-40	1,323	7,176	5	-234	8,230	-402	-107	5,507
Naphthas and Lighter	-70	-4,051	273	19	-153	-3,982	-110	-540	-4,719
Kerosene and Light Gas Oils	49	-263	-100	-11	-28	-353	-150	-784	-1,326
Heavy Gas Oils	-9	2,772	6,152	48	-53	8,910	-176	-537	5,687
Residuum	-10	2,865	851	-51	–	3,655	34	1,754	5,865
Motor Gasoline Blend.Comp. (MGBC)(net)	6,943	-43,105	-33,273	5,095	91	-64,249	317	5,183	9,336
Reformulated - RBOB	5,236	-5,311	-969	4	-319	-1,359	–	4,052	18,567
Conventional	1,707	-37,794	-32,304	5,091	410	-62,890	317	1,131	-9,231
CBOB	1,872	-33,328	-30,871	5,084	411	-56,832	410	1,329	-8,278
GTAB	–	–	–	–	–	–	–	–	1,329
Other	-165	-4,466	-1,433	7	-1	-6,058	-93	-198	-2,282
Aviation Gasoline Blend. Comp. (net)	15	–	7	–	–	22	–	–	22
Total Input	**26,354**	**89,981**	**57,741**	**12,689**	**2,255**	**189,020**	**15,963**	**69,857**	**489,407**

– – = 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, February 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	223	-16	207	859	-135	335	1,059
Natural Gas Liquids	187	-16	171	168	-234	197	131
Ethane	–	–	–	–	–	–	–
Propane	322	19	341	1,373	267	468	2,108
Normal Butane	-134	-18	-152	-1,056	-462	-252	-1,770
Isobutane	-1	-17	-18	-149	-39	-19	-207
Natural Gasoline	–	–	–	–	–	–	–
Refinery Olefins	36	–	36	691	99	138	928
Ethylene	–	–	–	–	–	–	–
Propylene	37	–	37	692	99	138	929
Normal Butylene	-1	–	-1	-1	–	–	-1
Isobutylene	–	–	–	–	–	–	–
Finished Motor Gasoline	81,200	6,025	87,225	41,783	9,156	14,310	65,249
Reformulated	32,021	49	32,070	7,191	1,355	773	9,319
Reformulated Blended with Fuel Ethanol	32,021	49	32,070	7,191	1,355	773	9,319
Reformulated Other	–	–	–	–	–	–	–
Conventional	49,179	5,976	55,155	34,592	7,801	13,537	55,930
Conventional Blended with Fuel Ethanol	50,129	5,977	56,106	33,931	7,833	12,606	54,370
Ed55 and Lower	50,056	5,977	56,033	33,912	7,794	12,466	54,172
Greater than Ed55	73	–	73	19	39	140	198
Conventional Other	-950	-1	-951	661	-32	931	1,560
Finished Aviation Gasoline	–	–	–	–	18	–	18
Kerosene-Type Jet Fuel	2,503	–	2,503	4,689	805	916	6,410
Kerosene	126	6	132	94	–	9	103
Distillate Fuel Oil	5,167	819	5,986	18,451	4,973	9,338	32,762
15 ppm sulfur and under	5,207	792	5,999	18,581	4,976	9,389	32,946
Greater than 15 ppm to 500 ppm sulfur	-16	–	-16	–	–	30	30
Greater than 500 ppm sulfur	-24	27	3	-130	-3	-81	-214
Residual Fuel Oil	739	8	747	624	133	136	893
Less than 0.31 percent sulfur	-16	7	-9	115	–	–	115
0.31 to 1.00 percent sulfur	555	1	556	266	69	40	375
Greater than 1.00 percent sulfur	200	–	200	243	64	96	403
Petrochemical Feedstocks	–	–	–	658	–	–	658
Naphtha for Petro. Feed. Use	–	–	–	307	–	–	307
Other Oils for Petro. Feed. Use	–	–	–	351	–	–	351
Special Naphthas	–	-3	-3	-19	–	18	-1
Lubricants	194	193	387	–	–	203	203
Waxes	–	-14	-14	–	–	38	38
Petroleum Coke	418	19	437	3,499	860	798	5,157
Marketable	212	–	212	2,657	712	579	3,948
Catalyst	206	19	225	842	148	219	1,209
Asphalt and Road Oil	345	610	955	2,990	1,176	306	4,472
Still Gas	580	42	622	2,357	592	990	3,939
Miscellaneous Products	42	28	70	293	158	45	496
Total	**91,537**	**7,717**	**99,254**	**76,278**	**17,736**	**27,442**	**121,456**
Processing Gain(-) or Loss(+)[1]	-485	2	-483	-3,667	-968	-1,025	-5,660

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, February 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	370	4,742	4,137	-19	7	9,237	99	851	11,453
Natural Gas Liquids	113	2,165	1,976	-44	7	4,217	74	721	5,314
Ethane	3	94	30	–	–	127	–	–	127
Propane	257	2,125	1,824	13	24	4,243	156	687	7,535
Normal Butane	-149	298	29	-57	-17	104	-33	7	-1,844
Isobutane	2	-352	93	–	–	-257	-49	27	-504
Natural Gasoline	–	–	–	–	–	–	–	–	–
Refinery Olefins	257	2,577	2,161	25	–	5,020	25	130	6,139
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	258	2,908	2,030	25	–	5,221	3	142	6,332
Normal Butylene	-1	-331	131	–	–	-201	22	-12	-193
Isobutylene	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	18,451	22,431	9,644	8,204	1,339	60,069	8,502	39,530	260,575
Reformulated	6,487	6,335	–	–	–	12,822	–	27,932	82,143
Reformulated Blended with Fuel Ethanol	6,486	6,335	–	–	–	12,821	–	27,932	82,142
Reformulated Other	1	–	–	–	–	1	–	–	1
Conventional	11,964	16,096	9,644	8,204	1,339	47,247	8,502	11,598	178,432
Conventional Blended with Fuel Ethanol	11,839	1,436	4,349	8,623	1,293	27,540	7,278	12,301	157,595
Ed55 and Lower	11,829	1,435	4,349	8,608	1,292	27,513	7,251	12,295	157,264
Greater than Ed55	10	1	–	15	1	27	27	6	331
Conventional Other	125	14,660	5,295	-419	46	19,707	1,224	-703	20,837
Finished Aviation Gasoline	37	119	149	–	–	305	3	1	327
Kerosene-Type Jet Fuel	1,269	12,326	9,207	64	0	22,866	760	11,296	43,835
Kerosene	-1	153	1	19	–	172	–	4	411
Distillate Fuel Oil	5,189	38,035	28,653	2,406	823	75,106	5,063	12,570	131,487
15 ppm sulfur and under	5,187	36,828	24,040	2,416	823	69,294	5,012	11,767	125,018
Greater than 15 ppm to 500 ppm sulfur	2	198	1,973	70	–	2,243	54	274	2,585
Greater than 500 ppm sulfur	–	1,009	2,640	-80	–	3,569	-3	529	3,884
Residual Fuel Oil	273	2,123	1,268	-2	5	3,667	335	2,086	7,728
Less than 0.31 percent sulfur	240	–	762	–	–	1,002	155	55	1,318
0.31 to 1.00 percent sulfur	25	519	461	-2	–	1,003	25	626	2,585
Greater than 1.00 percent sulfur	8	1,604	45	–	5	1,662	155	1,405	3,825
Petrochemical Feedstocks	104	3,209	1,496	–	–	4,809	–	–	5,467
Naphtha for Petro. Feed. Use	96	1,680	890	–	–	2,666	–	–	2,973
Other Oils for Petro. Feed. Use	8	1,529	606	–	–	2,143	–	–	2,494
Special Naphthas	59	532	–	212	–	803	–	–	799
Lubricants	4	1,515	816	626	–	2,961	–	445	3,996
Waxes	–	44	56	15	–	115	–	–	139
Petroleum Coke	348	6,682	4,866	165	18	12,079	716	3,312	21,701
Marketable	151	5,162	3,951	150	–	9,414	502	2,612	16,688
Catalyst	197	1,520	915	15	18	2,665	214	700	5,013
Asphalt and Road Oil	137	305	676	831	13	1,962	612	662	8,663
Still Gas	729	4,953	2,947	323	65	9,017	596	2,976	17,150
Miscellaneous Products	115	868	402	16	54	1,455	89	350	2,460
Total	**27,084**	**98,037**	**64,318**	**12,860**	**2,324**	**204,623**	**16,775**	**74,083**	**516,191**
Processing Gain(-) or Loss(+)[1]	-730	-8,056	-6,577	-171	-69	-15,603	-812	-4,226	-26,784

– = 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, February 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	**16,055**	**2,791**	**18,846**	**67,946**	**15,252**	**24,189**	**107,387**
Hydrocarbon Gas Liquids	**214**	**–**	**214**	**2,328**	**56**	**707**	**3,091**
Natural Gas Liquids	214	–	214	2,328	56	707	3,091
Normal Butane	94	–	94	637	–	21	658
Isobutane	120	–	120	1,224	56	369	1,649
Natural Gasoline	–	–	–	467	–	317	784
Other Liquids	**-6,184**	**58**	**-6,126**	**-36,943**	**-5,999**	**-10,522**	**-53,464**
Hydrogen/Biofuels/Other Hydrocarbons	112	144	256	910	437	409	1,756
Hydrogen	48	2	50	698	273	187	1,158
Biofuels (including Fuel Ethanol)	64	142	206	205	164	222	591
Fuel Ethanol	61	119	180	167	149	128	444
Biodiesel	–	23	23	38	15	23	76
Renewable Diesel Fuel	3	–	3	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	71	71
Other Hydrocarbons	–	–	–	7	–	–	7
Unfinished Oils (net)	537	-101	436	-2,511	8	-147	-2,650
Naphthas and Lighter	134	-48	86	-307	10	124	-173
Kerosene and Light Gas Oils	318	–	318	-373	0	16	-357
Heavy Gas Oils	-822	-54	-876	-1,288	-2	-344	-1,634
Residuum	907	1	908	-543	–	57	-486
Motor Gasoline Blend.Comp. (MGBC)(net)	-6,833	15	-6,818	-35,342	-6,444	-10,784	-52,570
Reformulated - RBOB	-4,517	–	-4,517	-6,276	-85	–	-6,361
Conventional	-2,316	15	-2,301	-29,066	-6,359	-10,784	-46,209
CBOB	-2,166	4	-2,162	-27,636	-6,178	-10,675	-44,489
GTAB	–	–	–	–	–	–	–
Other	-150	11	-139	-1,430	-181	-109	-1,720
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input to Refineries	**10,085**	**2,849**	**12,934**	**33,331**	**9,309**	**14,374**	**57,014**
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	629	100	729	2,421	552	863	3,836
Operable Capacity (daily average)	780	98	878	2,729	549	928	4,206
Operable Utilization Rate (percent)[2]	80.7	101.7	83.1	88.7	100.5	92.9	91.2
Downstream Processing Fresh Feed Input (daily average)							
Catalytic Reforming	129	15	144	432	74	169	675
Catalytic Cracking	238	17	255	657	139	197	992
Catalytic Hydrocracking	44	–	44	162	66	50	278
Delayed and Fluid Coking	35	–	35	327	79	90	496
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.83	1.72	0.96	1.71	1.79	0.55	1.46
API Gravity, Weighted Average (degrees)	36.83	32.00	36.10	32.53	28.00	39.85	33.45
Operable Capacity (daily average)	**780**	**98**	**878**	**2,729**	**549**	**928**	**4,206**
Operating	780	98	878	2,580	511	928	4,019
Idle	–	–	–	149	38	–	187
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, February 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	**16,927**	**120,937**	**78,113**	**6,538**	**2,117**	**224,632**	**14,564**	**56,596**	**422,025**
Hydrocarbon Gas Liquids	**465**	**5,271**	**3,614**	**72**	**90**	**9,512**	**377**	**2,281**	**15,475**
Natural Gas Liquids	465	5,271	3,614	72	90	9,512	377	2,281	15,475
Normal Butane	172	2,219	1,759	26	–	4,176	126	665	5,719
Isobutane	261	2,265	1,159	43	90	3,818	127	682	6,396
Natural Gasoline	32	787	696	3	–	1,518	124	934	3,360
Other Liquids	**-7,904**	**-46,137**	**-26,670**	**-1,601**	**-1,152**	**-83,464**	**-4,461**	**-27,012**	**-174,527**
Hydrogen/Biofuels/Other Hydrocarbons	266	1,722	1,512	107	57	3,664	354	1,443	7,473
Hydrogen	93	1,606	1,242	58	25	3,024	188	1,049	5,469
Biofuels (including Fuel Ethanol)	173	116	270	49	32	640	166	394	1,997
Fuel Ethanol	133	40	167	48	5	393	140	107	1,264
Biodiesel	40	20	38	1	4	103	2	13	217
Renewable Diesel Fuel	–	–	–	–	–	–	–	266	269
Other Biofuels[1]	–	56	65	–	23	144	24	8	247
Other Hydrocarbons	–	–	–	–	–	–	–	–	7
Unfinished Oils (net)	-40	1,323	7,185	5	-234	8,239	-402	-107	5,516
Naphthas and Lighter	-70	-4,051	273	19	-153	-3,982	-110	-540	-4,719
Kerosene and Light Gas Oils	49	-263	-100	-11	-28	-353	-150	-784	-1,326
Heavy Gas Oils	-9	2,772	6,161	48	-53	8,919	-176	-537	5,696
Residuum	-10	2,865	851	-51	–	3,655	34	1,754	5,865
Motor Gasoline Blend.Comp. (MGBC)(net)	-8,145	-49,182	-35,374	-1,713	-975	-95,389	-4,413	-28,348	-187,538
Reformulated - RBOB	-630	-9,792	-969	–	-319	-11,710	–	-20,450	-43,038
Conventional	-7,515	-39,390	-34,405	-1,713	-656	-83,679	-4,413	-7,898	-144,500
CBOB	-7,350	-29,424	-32,136	-1,720	-631	-71,261	-4,319	-7,480	-129,711
GTAB	–	–	–	–	–	–	–	–	–
Other	-165	-9,966	-2,269	7	-25	-12,418	-94	-418	-14,789
Aviation Gasoline Blend. Comp. (net)	15	–	7	–	–	22	–	–	22
Total Input to Refineries	**9,488**	**80,071**	**55,057**	**5,009**	**1,055**	**150,680**	**10,480**	**31,865**	**262,973**
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	612	4,456	3,032	204	76	8,379	522	2,222	15,688
Operable Capacity (daily average)	744	5,232	3,330	260	110	9,677	650	2,621	18,031
Operable Utilization Rate (percent)[2]	82.2	85.2	91.0	78.5	68.7	86.6	80.3	84.8	87.0
Downstream Processing Fresh Feed Input (daily average)									
Catalytic Reforming	140	763	522	38	12	1,475	80	360	2,734
Catalytic Cracking	152	1,187	803	18	19	2,178	137	493	4,056
Catalytic Hydrocracking	42	468	400	19	10	940	17	386	1,664
Delayed and Fluid Coking	21	705	451	33	–	1,211	60	362	2,163
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.61	1.43	1.13	1.62	1.03	1.24	1.41	1.34	1.30
API Gravity, Weighted Average (degrees)	40.05	33.94	31.29	31.41	38.54	33.63	31.85	29.16	33.00
Operable Capacity (daily average)	**744**	**5,232**	**3,330**	**260**	**110**	**9,677**	**650**	**2,621**	**18,031**
Operating	673	5,187	3,330	260	110	9,561	538	2,621	17,616
Idle	71	45	–	–	–	116	113	–	416
Alaskan Crude Oil Receipts	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**11,727**	**11,727**

– – = 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, February 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	223	-16	207	859	-135	335	1,059
Natural Gas Liquids	187	-16	171	168	-234	197	131
Ethane	–	–	–	–	–	–	–
Propane	322	19	341	1,373	267	468	2,108
Normal Butane	-134	-18	-152	-1,056	-462	-252	-1,770
Isobutane	-1	-17	-18	-149	-39	-19	-207
Natural Gasoline	–	–	–	–	–	–	–
Refinery Olefins	36	–	36	691	99	138	928
Ethylene	–	–	–	–	–	–	–
Propylene	37	–	37	692	99	138	929
Normal Butylene	-1	–	-1	-1	–	–	-1
Isobutylene	–	–	–	–	–	–	–
Finished Motor Gasoline	609	1,216	1,825	2,585	1,721	2,303	6,609
Reformulated	609	–	609	–	–	2	2
Reformulated Blended with Fuel Ethanol	609	–	609	–	–	2	2
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	1,216	1,216	2,585	1,721	2,301	6,607
Conventional Blended with Fuel Ethanol	–	1,192	1,192	1,682	1,433	1,321	4,436
Ed55 and Lower	–	1,192	1,192	1,682	1,433	1,321	4,436
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	24	24	903	288	980	2,171
Finished Aviation Gasoline	–	–	–	–	18	–	18
Kerosene-Type Jet Fuel	2,506	–	2,506	4,715	805	916	6,436
Kerosene	107	6	113	94	–	9	103
Distillate Fuel Oil	4,791	758	5,549	18,344	4,952	9,302	32,598
15 ppm sulfur and under	4,830	731	5,561	18,474	4,955	9,353	32,782
Greater than 15 ppm to 500 ppm sulfur	-41	–	-41	–	–	-64	-64
Greater than 500 ppm sulfur	2	27	29	-130	-3	13	-120
Residual Fuel Oil	766	8	774	624	133	137	894
Less than 0.31 percent sulfur	–	7	7	115	–	–	115
0.31 to 1.00 percent sulfur	555	1	556	266	69	41	376
Greater than 1.00 percent sulfur	211	–	211	243	64	96	403
Petrochemical Feedstocks	–	–	–	658	–	–	658
Naphtha for Petro. Feed. Use	–	–	–	307	–	–	307
Other Oils for Petro. Feed. Use	–	–	–	351	–	–	351
Special Naphthas	–	-3	-3	-19	–	18	-1
Lubricants	194	193	387	–	–	203	203
Waxes	–	-14	-14	–	–	38	38
Petroleum Coke	418	19	437	3,499	860	798	5,157
Marketable	212	–	212	2,657	712	579	3,948
Catalyst	206	19	225	842	148	219	1,209
Asphalt and Road Oil	331	610	941	2,990	1,176	305	4,471
Still Gas	580	42	622	2,357	592	990	3,939
Miscellaneous Products	42	28	70	293	158	45	496
Total	**10,567**	**2,847**	**13,414**	**36,999**	**10,280**	**15,399**	**62,678**
Processing Gain(-) or Loss(+)[1]	-482	2	-480	-3,668	-971	-1,025	-5,664

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, February 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	370	4,742	4,137	-19	7	9,237	99	851	11,453
Natural Gas Liquids	113	2,165	1,976	-44	7	4,217	74	721	5,314
Ethane	3	94	30	–	–	127	–	–	127
Propane	257	2,125	1,824	13	24	4,243	156	687	7,535
Normal Butane	-149	298	29	-57	-17	104	-33	7	-1,844
Isobutane	2	-352	93	–	–	-257	-49	27	-504
Natural Gasoline	–	–	–	–	–	–	–	–	–
Refinery Olefins	257	2,577	2,161	25	–	5,020	25	130	6,139
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	258	2,908	2,030	25	–	5,221	3	142	6,332
Normal Butylene	-1	-331	131	–	–	-201	22	-12	-193
Isobutylene	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	1,603	12,566	6,952	540	149	21,810	3,020	1,986	35,250
Reformulated	–	–	–	–	–	–	–	593	1,204
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	593	1,204
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	1,603	12,566	6,952	540	149	21,810	3,020	1,393	34,046
Conventional Blended with Fuel Ethanol	1,330	395	1,670	503	50	3,948	1,434	574	11,584
Ed55 and Lower	1,330	395	1,670	503	50	3,948	1,434	574	11,584
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	273	12,171	5,282	37	99	17,862	1,586	819	22,462
Finished Aviation Gasoline	37	119	149	–	–	305	3	1	327
Kerosene-Type Jet Fuel	1,269	12,294	9,200	64	–	22,827	690	11,298	43,757
Kerosene	-1	185	–	19	–	203	–	3	422
Distillate Fuel Oil	5,172	37,990	28,661	2,388	814	75,025	5,132	12,122	130,426
15 ppm sulfur and under	5,170	36,783	24,048	2,398	814	69,213	5,081	11,327	123,964
Greater than 15 ppm to 500 ppm sulfur	2	198	1,973	70	–	2,243	54	274	2,466
Greater than 500 ppm sulfur	–	1,009	2,640	-80	–	3,569	-3	521	3,996
Residual Fuel Oil	273	2,123	1,277	-2	5	3,676	335	2,086	7,765
Less than 0.31 percent sulfur	240	–	762	–	–	1,002	155	44	1,323
0.31 to 1.00 percent sulfur	25	519	461	-2	–	1,003	25	627	2,587
Greater than 1.00 percent sulfur	8	1,604	54	–	5	1,671	155	1,415	3,855
Petrochemical Feedstocks	104	3,209	1,496	–	–	4,809	–	–	5,467
Naphtha for Petro. Feed. Use	96	1,680	890	–	–	2,666	–	–	2,973
Other Oils for Petro. Feed. Use	8	1,529	606	–	–	2,143	–	–	2,494
Special Naphthas	59	532	–	212	–	803	–	–	799
Lubricants	4	1,515	816	626	–	2,961	–	445	3,996
Waxes	–	44	56	15	–	115	–	–	139
Petroleum Coke	348	6,682	4,866	165	18	12,079	716	3,312	21,701
Marketable	151	5,162	3,951	150	–	9,414	502	2,612	16,688
Catalyst	197	1,520	915	15	18	2,665	214	700	5,013
Asphalt and Road Oil	137	305	676	831	13	1,962	612	662	8,648
Still Gas	729	4,953	2,947	323	65	9,017	596	2,976	17,150
Miscellaneous Products	115	868	402	16	54	1,455	89	350	2,460
Total	**10,219**	**88,127**	**61,635**	**5,178**	**1,125**	**166,284**	**11,292**	**36,092**	**289,760**
Processing Gain(-) or Loss(+)[1]	-731	-8,056	-6,578	-169	-70	-15,604	-812	-4,227	-26,787

– = 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, February 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	**1,294**	**–**	**1,294**	**20**	**73**	**310**	**403**
Natural Gas Liquids	1,294	–	1,294	20	73	310	403
Normal Butane	1,018	–	1,018	18	65	220	303
Isobutane	–	–	–	–	–	–	–
Natural Gasoline	276	–	276	2	8	90	100
Other Liquids	**79,673**	**4,870**	**84,543**	**39,260**	**7,386**	**11,733**	**58,379**
Oxygenates/Renewables	8,649	546	9,195	4,086	830	1,338	6,254
Biofuels (including Fuel Ethanol)	8,649	546	9,195	4,086	830	1,338	6,254
Fuel Ethanol	8,271	486	8,757	4,006	808	1,302	6,116
Biodiesel	378	60	438	80	22	36	138
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	–	–	–	–	–
Naphthas and Lighter	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	71,024	4,324	75,348	35,174	6,556	10,395	52,125
Reformulated - RBOB	18,969	–	18,969	6,096	993	694	7,783
Conventional	52,055	4,324	56,379	29,078	5,563	9,701	44,342
CBOB	44,878	4,324	49,202	29,065	5,498	9,701	44,264
GTAB	1,329	–	1,329	–	–	–	–
Other	5,848	–	5,848	13	65	–	78
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–
Total Input	**80,967**	**4,870**	**85,837**	**39,280**	**7,459**	**12,043**	**58,782**

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	**50**	**3,036**	**323**	**23**	**–**	**3,432**	**147**	**22**	**5,298**
Natural Gas Liquids	50	3,036	323	23	–	3,432	147	22	5,298
Normal Butane	48	626	323	20	–	1,017	90	22	2,450
Isobutane	–	–	–	–	–	–	2	–	2
Natural Gasoline	2	2,410	–	3	–	2,415	55	–	2,846
Other Liquids	**16,816**	**6,874**	**2,361**	**7,657**	**1,200**	**34,908**	**5,336**	**37,970**	**221,136**
Oxygenates/Renewables	1,728	797	269	849	134	3,777	606	4,439	24,271
Biofuels (including Fuel Ethanol)	1,728	797	269	849	134	3,777	606	4,439	24,271
Fuel Ethanol	1,711	753	269	831	124	3,688	594	3,953	23,108
Biodiesel	17	44	–	18	10	89	12	333	1,010
Renewable Diesel Fuel	–	–	–	–	–	–	–	153	153
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Unfinished Oils (net)	–	–	-9	–	–	-9	–	–	-9
Naphthas and Lighter	–	–	–	–	–	–	–	–	–
Kerosene and Light Gas Oils	–	–	–	–	–	–	–	–	–
Heavy Gas Oils	–	–	-9	–	–	-9	–	–	-9
Residuum	–	–	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)(net)	15,088	6,077	2,101	6,808	1,066	31,140	4,730	33,531	196,874
Reformulated - RBOB	5,866	4,481	–	4	–	10,351	–	24,502	61,605
Conventional	9,222	1,596	2,101	6,804	1,066	20,789	4,730	9,029	135,269
CBOB	9,222	-3,904	1,265	6,804	1,042	14,429	4,729	8,809	121,433
GTAB	–	–	–	–	–	–	–	–	1,329
Other	–	5,500	836	–	24	6,360	1	220	12,507
Aviation Gasoline Blend. Comp. (net)	–	–	–	–	–	–	–	–	–
Total Input	**16,866**	**9,910**	**2,684**	**7,680**	**1,200**	**38,340**	**5,483**	**37,992**	**226,434**

– – = 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, February 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	80,591	4,809	85,400	39,198	7,435	12,007	58,640
Reformulated	31,412	49	31,461	7,191	1,355	771	9,317
Reformulated Blended with Fuel Ethanol	31,412	49	31,461	7,191	1,355	771	9,317
Reformulated Other	–	–	–	–	–	–	–
Conventional	49,179	4,760	53,939	32,007	6,080	11,236	49,323
Conventional Blended with Fuel Ethanol	50,129	4,785	54,914	32,249	6,400	11,285	49,934
Ed55 and Lower	50,056	4,785	54,841	32,230	6,361	11,145	49,736
Greater than Ed55	73	–	73	19	39	140	198
Conventional Other	-950	-25	-975	-242	-320	-49	-611
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	-3	–	-3	-26	–	0	-26
Kerosene	19	–	19	–	–	–	–
Distillate Fuel Oil	376	61	437	107	21	36	164
15 ppm sulfur and under	377	61	438	107	21	36	164
Greater than 15 ppm to 500 ppm sulfur	25	–	25	–	–	94	94
Greater than 500 ppm sulfur	-26	–	-26	–	–	-94	-94
Residual Fuel Oil	-27	–	-27	–	–	-1	-1
Less than 0.31 percent sulfur	-16	–	-16	–	–	–	–
0.31 to 1.00 percent sulfur	–	–	–	–	–	-1	-1
Greater than 1.00 percent sulfur	-11	–	-11	–	–	–	–
Special Naphthas	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–
Asphalt and Road Oil	14	–	14	–	–	1	1
Miscellaneous Products	–	–	–	–	–	–	–
Total Production	**80,970**	**4,870**	**85,840**	**39,279**	**7,456**	**12,043**	**58,778**
Processing Gain(-) or Loss(+)[1]	-3	0	-3	1	3	0	4

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	16,848	9,865	2,692	7,664	1,190	38,259	5,482	37,544	225,325
Reformulated	6,487	6,335	–	–	–	12,822	–	27,339	80,939
Reformulated Blended with Fuel Ethanol	6,486	6,335	–	–	–	12,821	–	27,339	80,938
Reformulated Other	1	–	–	–	–	1	–	–	1
Conventional	10,361	3,530	2,692	7,664	1,190	25,437	5,482	10,205	144,386
Conventional Blended with Fuel Ethanol	10,509	1,041	2,679	8,120	1,243	23,592	5,844	11,727	146,011
Ed55 and Lower	10,499	1,040	2,679	8,105	1,242	23,565	5,817	11,721	145,680
Greater than Ed55	10	1	–	15	1	27	27	6	331
Conventional Other	-148	2,489	13	-456	-53	1,845	-362	-1,522	-1,625
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	32	7	–	0	39	70	-2	78
Kerosene	–	-32	1	–	–	-31	–	1	-11
Distillate Fuel Oil	17	45	-8	18	9	81	-69	448	1,061
15 ppm sulfur and under	17	45	-8	18	9	81	-69	440	1,054
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	119
Greater than 500 ppm sulfur	–	–	–	–	–	–	–	8	-112
Residual Fuel Oil	–	–	-9	–	–	-9	–	0	-37
Less than 0.31 percent sulfur	–	–	–	–	–	–	–	11	-5
0.31 to 1.00 percent sulfur	–	–	–	–	–	–	–	-1	-2
Greater than 1.00 percent sulfur	–	–	-9	–	–	-9	–	-10	-30
Special Naphthas	–	–	–	–	–	–	–	–	–
Lubricants	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	–	–	–	–	–	–	–	–	15
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total Production	**16,865**	**9,910**	**2,683**	**7,682**	**1,199**	**38,339**	**5,483**	**37,991**	**226,431**
Processing Gain(-) or Loss(+)[1]	1	0	1	-2	1	1	0	1	3

– = 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, February 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	**4,757**	**756**	**5,513**	**10,676**	**1,895**	**1,678**	**14,249**
Petroleum Products	**10,736**	**2,178**	**12,914**	**27,988**	**9,162**	**11,926**	**49,076**
Hydrocarbon Gas Liquids	561	26	587	1,729	254	1,087	3,070
Natural Gas Liquids	361	26	387	1,438	237	1,050	2,725
Ethane	–	–	–	–	–	–	–
Propane	123	3	126	426	48	372	846
Normal Butane	188	15	203	568	143	155	866
Isobutane	50	8	58	315	46	269	630
Natural Gasoline	–	–	–	129	–	254	383
Refinery Olefins	200	0	200	291	17	37	345
Ethylene	–	–	–	–	–	–	–
Propylene	76	0	76	291	17	37	345
Normal Butylene	124	0	124	0	0	0	0
Isobutylene	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	142	120	262	58	60	31	149
Biofuels (including Fuel Ethanol)	142	120	262	44	60	31	135
Fuel Ethanol	142	110	252	40	50	27	117
Biodiesel	–	10	10	4	10	4	18
Renewable Diesel Fuel	–	–	–	–	–	–	–
Other Biofuels[1]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	14	–	–	14
Unfinished Oils	3,875	362	4,237	7,952	652	4,629	13,233
Naphthas and Lighter	787	215	1,002	1,799	142	1,046	2,987
Kerosene and Light Gas Oils	312	–	312	1,664	273	470	2,407
Heavy Gas Oils	2,094	141	2,235	3,387	237	2,302	5,926
Residuum	682	6	688	1,102	–	811	1,913
Motor Gasoline Blending Components (MGBC)	2,920	261	3,181	8,525	2,216	3,224	13,965
Reformulated - RBOB	1,312	–	1,312	813	–	–	813
Conventional	1,608	261	1,869	7,712	2,216	3,224	13,152
CBOB	48	237	285	2,977	1,179	2,266	6,422
GTAB	–	–	–	–	–	–	–
Other	1,560	24	1,584	4,735	1,037	958	6,730
Aviation Gasoline Blending Components	–	–	–	–	–	–	–
Finished Motor Gasoline	–	37	37	224	126	112	462
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	–	37	37	224	126	112	462
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	–	37	37	224	126	112	462
Finished Aviation Gasoline	–	–	–	–	52	–	52
Kerosene-Type Jet Fuel	537	–	537	1,208	269	209	1,686
Kerosene	160	4	164	63	–	51	114
Distillate Fuel Oil	1,472	299	1,771	3,844	1,085	1,717	6,646
15 ppm sulfur and under	1,160	198	1,358	3,710	1,036	1,597	6,343
Greater than 15 ppm to 500 ppm sulfur	33	77	110	–	–	67	67
Greater than 500 ppm sulfur	279	24	303	134	49	53	236
Residual Fuel Oil	272	15	287	623	196	87	906
Less than 0.31 percent sulfur	–	13	13	174	–	–	174
0.31 to 1.00 percent sulfur	40	2	42	165	62	33	260
Greater than 1.00 percent sulfur	232	–	232	284	134	54	472
Petrochemical Feedstocks	–	–	–	496	–	–	496
Naphtha for Petro. Feed. Use	–	–	–	373	–	–	373
Other Oils for Petro. Feed. Use	–	–	–	123	–	–	123
Special Naphthas	–	19	19	31	–	14	45
Lubricants	701	252	953	–	–	229	229
Waxes	–	263	263	–	–	48	48
Petroleum Coke	–	–	–	766	2,494	270	3,530
Marketable	–	–	–	766	2,494	270	3,530
Catalyst	–	–	–	–	–	–	–
Asphalt and Road Oil	80	466	546	2,391	1,727	212	4,330
Miscellaneous Products	16	54	70	78	31	6	115
Total Stocks, All Oils	**15,493**	**2,934**	**18,427**	**38,664**	**11,057**	**13,604**	**63,325**

See footnotes at end of table.

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

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	**1,851**	**25,590**	**16,298**	**1,169**	**348**	**45,256**	**2,447**	**21,009**	**88,474**
Petroleum Products	**10,090**	**61,115**	**41,994**	**3,781**	**1,217**	**118,197**	**10,728**	**49,222**	**240,137**
Hydrocarbon Gas Liquids	2,654	1,773	1,185	12	26	5,650	389	1,424	11,120
Natural Gas Liquids	2,333	1,199	970	10	26	4,538	338	1,304	9,292
Ethane	22	2	–	–	–	24	–	–	24
Propane	912	206	56	3	5	1,182	47	127	2,328
Normal Butane	940	755	389	2	16	2,102	201	827	4,199
Isobutane	375	198	323	5	5	906	83	348	2,025
Natural Gasoline	84	38	202	–	–	324	7	2	716
Refinery Olefins	321	574	215	2	0	1,112	51	120	1,828
Ethylene	0	0	–	–	–	0	–	–	0
Propylene	298	48	55	1	0	402	2	20	845
Normal Butylene	23	526	160	1	0	710	49	100	983
Isobutylene	0	0	0	0	0	0	0	0	0
Biofuels/Other Hydrocarbons	48	1,020	154	23	8	1,253	119	885	2,668
Biofuels (including Fuel Ethanol)	48	1,020	154	23	8	1,253	119	885	2,654
Fuel Ethanol	35	1,000	103	15	5	1,158	111	195	1,833
Biodiesel	13	20	51	8	3	95	8	9	140
Renewable Diesel Fuel	–	–	–	–	–	–	–	681	681
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–	–	14
Unfinished Oils	2,380	22,156	14,311	1,064	643	40,554	3,381	18,845	80,250
Naphthas and Lighter	843	5,658	1,884	288	238	8,911	875	3,112	16,887
Kerosene and Light Gas Oils	387	3,821	1,892	203	170	6,473	901	3,146	13,239
Heavy Gas Oils	633	9,755	7,995	496	235	19,114	1,172	9,495	37,942
Residuum	517	2,922	2,540	77	–	6,056	433	3,092	12,182
Motor Gasoline Blending Components (MGBC)	2,805	13,332	10,484	292	237	27,150	2,887	13,435	60,618
Reformulated - RBOB	82	1,252	106	–	32	1,472	–	4,507	8,104
Conventional	2,723	12,080	10,378	292	205	25,678	2,887	8,928	52,514
CBOB	1,420	4,079	5,675	235	23	11,432	1,573	2,501	22,213
GTAB	–	–	–	–	–	–	–	–	–
Other	1,303	8,001	4,703	57	182	14,246	1,314	6,427	30,301
Aviation Gasoline Blending Components	10	–	12	–	–	22	–	–	22
Finished Motor Gasoline	87	1,991	1,154	65	6	3,303	833	578	5,213
Reformulated	–	–	–	–	–	–	–	16	16
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	16	16
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	87	1,991	1,154	65	6	3,303	833	562	5,197
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	46	–	46
Ed55 and Lower	–	–	–	–	–	–	46	–	46
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	87	1,991	1,154	65	6	3,303	787	562	5,151
Finished Aviation Gasoline	25	219	198	–	–	442	8	189	691
Kerosene-Type Jet Fuel	336	2,673	1,836	47	–	4,892	212	3,172	10,499
Kerosene	29	56	1	3	–	89	1	3	371
Distillate Fuel Oil	645	8,239	5,747	343	58	15,032	1,859	5,109	30,417
15 ppm sulfur and under	624	7,091	4,401	232	58	12,406	1,682	4,677	26,466
Greater than 15 ppm to 500 ppm sulfur	21	120	405	26	–	572	120	171	1,040
Greater than 500 ppm sulfur	–	1,028	941	85	–	2,054	57	261	2,911
Residual Fuel Oil	262	2,547	1,328	16	90	4,243	259	2,248	7,943
Less than 0.31 percent sulfur	29	–	31	–	–	60	26	21	294
0.31 to 1.00 percent sulfur	94	805	283	16	–	1,198	6	415	1,921
Greater than 1.00 percent sulfur	139	1,742	1,014	–	90	2,985	227	1,812	5,728
Petrochemical Feedstocks	45	1,564	589	4	–	2,202	–	–	2,698
Naphtha for Petro. Feed. Use	39	1,058	578	4	–	1,679	–	–	2,052
Other Oils for Petro. Feed. Use	6	506	11	–	–	523	–	–	646
Special Naphthas	103	547	–	160	–	810	–	27	901
Lubricants	45	2,762	2,228	798	–	5,833	–	1,102	8,117
Waxes	–	98	112	72	–	282	–	–	593
Petroleum Coke	97	1,682	1,816	–	–	3,595	114	1,100	8,339
Marketable	97	1,682	1,816	–	–	3,595	114	1,100	8,339
Catalyst	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	364	203	760	881	125	2,333	653	1,029	8,891
Miscellaneous Products	155	253	79	1	24	512	13	76	786
Total Stocks, All Oils	**11,941**	**86,705**	**58,292**	**4,950**	**1,565**	**163,453**	**13,175**	**70,231**	**328,611**

– – = 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, February 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	1.3	-0.6	1.1	1.3	-0.9	1.4	1.0
Finished Motor Gasoline[1]	43.1	40.2	42.7	53.6	51.3	50.6	52.5
Finished Aviation Gasoline[2]	–	–	–	–	0.1	–	0.0
Kerosene-Type Jet Fuel	15.1	–	13.0	7.1	5.2	3.8	6.1
Kerosene	0.6	0.2	0.6	0.1	–	0.0	0.1
Distillate Fuel Oil[3]	28.8	27.3	28.6	27.7	31.8	38.0	30.6
Residual Fuel Oil	4.6	0.3	4.0	0.9	0.9	0.6	0.8
Naphtha for Petro. Feed. Use	–	–	–	0.5	–	–	0.3
Other Oils for Petro. Feed. Use	–	–	–	0.5	–	–	0.3
Special Naphthas	–	-0.1	0.0	0.0	–	0.1	0.0
Lubricants	1.2	7.2	2.0	–	–	0.8	0.2
Waxes	–	-0.5	-0.1	–	–	0.2	0.0
Petroleum Coke	2.5	0.7	2.3	5.3	5.5	3.3	4.9
Asphalt and Road Oil	2.0	22.7	4.9	4.5	7.6	1.3	4.2
Still Gas	3.5	1.6	3.2	3.6	3.8	4.1	3.7
Miscellaneous Products	0.3	1.0	0.4	0.4	1.0	0.2	0.5
Processing Gain(-) or Loss(+)[4]	-2.9	0.1	-2.5	-5.5	-6.2	-4.2	-5.3

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	2.2	3.8	4.8	-0.3	0.4	3.9	0.7	1.5	2.6
Finished Motor Gasoline[1]	53.9	45.6	44.5	32.3	53.9	45.5	48.2	48.6	47.6
Finished Aviation Gasoline[2]	0.1	0.1	0.2	–	–	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	7.5	9.9	10.6	1.0	–	9.7	4.8	19.6	10.1
Kerosene	0.0	0.2	–	0.3	–	0.1	–	0.0	0.1
Distillate Fuel Oil[3]	30.2	30.6	33.0	36.2	41.3	31.7	35.6	20.6	30.0
Residual Fuel Oil	1.6	1.7	1.5	0.0	0.3	1.6	2.3	3.6	1.8
Naphtha for Petro. Feed. Use	0.6	1.4	1.0	–	–	1.1	–	–	0.7
Other Oils for Petro. Feed. Use	0.1	1.2	0.7	–	–	0.9	–	–	0.6
Special Naphthas	0.4	0.4	–	3.2	–	0.3	–	–	0.2
Lubricants	0.0	1.2	0.9	9.5	–	1.3	–	0.8	0.9
Waxes	–	0.0	0.1	0.2	–	0.1	–	–	0.0
Petroleum Coke	2.1	5.4	5.6	2.5	0.9	5.1	5.0	5.8	5.0
Asphalt and Road Oil	0.8	0.3	0.8	12.6	0.7	0.8	4.3	1.2	2.0
Still Gas	4.3	4.0	3.4	4.9	3.4	3.8	4.2	5.2	4.0
Miscellaneous Products	0.7	0.7	0.5	0.2	2.8	0.6	0.6	0.6	0.6
Processing Gain(-) or Loss(+)[4]	-4.3	-6.5	-7.6	-2.6	-3.6	-6.6	-5.7	-7.3	-6.2

– = No Data Reported.
[1] Based on net production of finished motor gasoline minus input of natural gas liquids, fuel ethanol, and net input of motor gasoline blending components.
[2] Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.
[3] Based on distillate fuel oil net production minus input of biodiesel, renewable diesel fuel, and other biofuels.
[4] Represents the arithmetic difference between input and production.
Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.
Note: Totals may not equal sum of components due to independent rounding.
Note: Refer to Appendix A for Refining District descriptions.
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, February 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	**473**	**895**	**669**	**2,037**
Connecticut	–	–	–	–
Delaware	–	–	–	–
Florida	–	48	669	717
Georgia	–	–	–	–
Maine	–	–	–	–
Maryland	–	–	–	–
Massachusetts	–	–	–	–
New Hampshire	–	–	–	–
New Jersey	–	847	–	847
New York	–	–	–	–
North Carolina	–	–	–	–
Pennsylvania	473	–	–	473
Rhode Island	–	–	–	–
South Carolina	–	–	–	–
Vermont	–	–	–	–
Virginia	–	–	–	–
West Virginia	–	–	–	–
PAD District 2	**–**	**8**	**56**	**64**
Illinois	–	–	–	–
Indiana	–	–	–	–
Michigan	–	–	–	–
Minnesota	–	3	–	3
North Dakota	–	5	56	61
Ohio	–	–	–	–
Wisconsin	–	–	–	–
PAD District 3	**–**	**202**	**2,109**	**2,311**
Alabama	–	–	–	–
Louisiana	–	202	246	448
Mississippi	–	–	301	301
New Mexico	–	–	–	–
Texas	–	–	1,562	1,562
PAD District 4	**11**	**–**	**–**	**11**
Idaho	11	–	–	11
Montana	–	–	–	–
PAD District 5	**–**	**1,206**	**37**	**1,243**
Alaska	–	–	–	–
California	–	605	–	605
Hawaii	–	–	–	–
Oregon	–	–	–	–
Washington	–	601	37	638
U.S. Total	**484**	**2,311**	**2,871**	**5,666**

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

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**16,042**	**84,027**	**42,936**	**8,548**	**33,136**	**184,689**	**6,596**
Hydrocarbon Gas Liquids	**1,687**	**2,307**	**3**	**901**	**1,564**	**6,462**	**231**
Natural Gas Liquids	1,422	1,997	3	901	1,564	5,887	210
Ethane	–	–	–	–	–	–	–
Propane	1,420	1,445	–	890	1,114	4,869	174
Normal Butane	2	398	3	9	440	852	30
Isobutane	–	152	–	–	10	162	6
Natural Gasoline	–	2	–	2	–	4	0
Refinery Olefins	265	310	–	–	–	575	21
Ethylene	–	–	–	–	–	–	–
Propylene	265	142	–	–	–	407	15
Normal Butylene	–	168	–	–	–	168	6
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**14,143**	**660**	**14,020**	**108**	**3,585**	**32,516**	**1,161**
Hydrogen/Biofuels/Other Hydrocarbons	510	92	240	8	648	1,498	54
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	510	92	240	8	648	1,498	54
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	510	92	240	8	102	952	34
Renewable Diesel Fuel	–	–	–	–	546	546	20
Other Biofuels[3]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils[1]	1,190	–	12,238	–	2,134	15,562	556
Naphthas and Lighter	801	–	–	–	–	801	29
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	250	–	7,970	–	2,134	10,354	370
Residuum	139	–	4,268	–	–	4,407	157
Motor Gasoline Blend.Comp. (MGBC)	12,443	568	1,542	100	803	15,456	552
Reformulated - RBOB	4,185	–	–	–	142	4,327	155
Conventional	8,258	568	1,542	100	661	11,129	397
CBOB	1,016	85	–	–	–	1,101	39
GTAB	847	–	–	–	–	847	30
Other	6,395	483	1,542	100	661	9,181	328
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**14,377**	**1,391**	**3,969**	**192**	**5,385**	**25,314**	**904**
Finished Motor Gasoline	1,790	–	5	–	330	2,125	76
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	1,790	–	5	–	330	2,125	76
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	1,790	–	5	–	330	2,125	76
Finished Aviation Gasoline	18	6	–	–	–	24	1
Kerosene-Type Jet Fuel	2,314	–	–	44	2,907	5,265	188
Bonded Aircraft Fuel	66	–	–	–	1,079	1,145	41
Other	2,248	–	–	44	1,828	4,120	147
Kerosene	–	–	–	–	–	–	–
Distillate Fuel Oil	7,438	201	–	36	726	8,401	300
15 ppm sulfur and under	7,438	183	–	36	726	8,383	299
Bonded	–	–	–	–	–	–	–
Other	7,438	183	–	36	726	8,383	299
Greater than 15 ppm to 500 ppm sulfur	–	2	–	–	–	2	0
Bonded	–	–	–	–	–	–	–
Other	–	2	–	–	–	2	0
Greater than 500 ppm to 2000 ppm sulfur	–	16	–	–	–	16	1
Bonded	–	–	–	–	–	–	–
Other	–	16	–	–	–	16	1
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	2,037	64	2,311	11	1,243	5,666	202
Less than 0.31 percent sulfur	473	–	–	11	–	484	17
0.31 to 1.00 percent sulfur	895	8	202	–	1,206	2,311	83
Greater than 1.00 percent sulfur	669	56	2,109	–	37	2,871	103
Petrochemical Feedstocks	34	163	219	–	28	444	16
Naphtha for Petro. Feed. Use	2	88	121	–	28	239	9
Other Oils for Petro. Feed. Use	32	75	98	–	–	205	7
Special Naphthas	1	1	146	–	37	185	7
Lubricants	124	242	1,031	–	40	1,437	51
Waxes	75	12	–	–	6	93	3
Petroleum Coke (Marketable)	–	14	257	–	–	271	10
Asphalt and Road Oil	546	688	–	101	68	1,403	50
Miscellaneous Products	–	–	–	–	–	–	–
Total	**46,249**	**88,385**	**60,928**	**9,749**	**43,670**	**248,981**	**8,892**

– – = 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-February 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1,2]	**33,078**	**171,731**	**88,318**	**17,570**	**68,591**	**379,288**	**6,429**
Hydrocarbon Gas Liquids	**3,409**	**4,742**	**3**	**1,961**	**3,381**	**13,496**	**229**
Natural Gas Liquids	2,849	4,199	3	1,960	3,381	12,392	210
Ethane	–	–	–	–	–	–	–
Propane	2,795	2,866	–	1,858	2,436	9,955	169
Normal Butane	49	999	3	98	935	2,084	35
Isobutane	5	330	–	–	10	345	6
Natural Gasoline	–	4	–	4	–	8	0
Refinery Olefins	560	543	–	1	–	1,104	19
Ethylene	–	–	–	–	–	–	–
Propylene	560	335	–	1	–	896	15
Normal Butylene	–	208	–	–	–	208	4
Isobutylene	–	–	–	–	–	–	–
Other Liquids	**29,229**	**1,530**	**28,170**	**271**	**6,408**	**65,608**	**1,112**
Hydrogen/Biofuels/Other Hydrocarbons	1,071	182	418	20	1,385	3,076	52
Hydrogen	–	–	–	–	–	–	–
Biofuels (including Fuel Ethanol)	1,071	182	403	20	1,385	3,061	52
Fuel Ethanol	–	–	–	–	–	–	–
Biodiesel	1,071	182	403	20	206	1,882	32
Renewable Diesel Fuel	–	–	–	–	1,179	1,179	20
Other Biofuels[3]	–	–	–	–	–	–	–
Other Hydrocarbons	–	–	15	–	–	15	0
Unfinished Oils[1]	2,920	–	25,182	–	3,763	31,865	540
Naphthas and Lighter	1,151	–	317	–	–	1,468	25
Kerosene and Lighter Gas Oils	–	–	–	–	–	–	–
Heavy Gas Oils	1,330	–	14,480	–	3,509	19,319	327
Residuum	439	–	10,385	–	254	11,078	188
Motor Gasoline Blend.Comp. (MGBC)	25,238	1,348	2,570	251	1,260	30,667	520
Reformulated - RBOB	8,617	–	–	–	142	8,759	148
Conventional	16,621	1,348	2,570	251	1,118	21,908	371
CBOB	2,588	217	–	–	–	2,805	48
GTAB	2,815	–	–	–	–	2,815	48
Other	11,218	1,131	2,570	251	1,118	16,288	276
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	30,632	3,041	8,299	262	8,827	51,061	865
Finished Motor Gasoline	5,010	–	5	–	461	5,476	93
Reformulated	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–
Conventional	5,010	–	5	–	461	5,476	93
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–
Conventional Other	5,010	–	5	–	461	5,476	93
Finished Aviation Gasoline	18	9	–	–	1	28	0
Kerosene-Type Jet Fuel	3,368	–	–	54	5,420	8,842	150
Bonded Aircraft Fuel	66	–	–	–	1,673	1,739	29
Other	3,302	–	–	54	3,747	7,103	120
Kerosene	504	–	–	–	–	504	9
Distillate Fuel Oil	15,005	652	300	36	900	16,893	286
15 ppm sulfur and under	14,874	630	300	36	900	16,740	284
Bonded	–	–	–	–	–	–	–
Other	14,874	630	300	36	900	16,740	284
Greater than 15 ppm to 500 ppm sulfur	–	5	–	–	–	5	0
Bonded	–	–	–	–	–	–	–
Other	–	5	–	–	–	5	0
Greater than 500 ppm to 2000 ppm sulfur	131	17	–	–	–	148	3
Bonded	–	–	–	–	–	–	–
Other	131	17	–	–	–	148	3
Greater than 2000 ppm	–	–	–	–	–	–	–
Bonded	–	–	–	–	–	–	–
Other	–	–	–	–	–	–	–
Residual Fuel Oil	4,808	190	4,215	11	1,559	10,783	183
Less than 0.31 percent sulfur	473	–	65	11	240	789	13
0.31 to 1.00 percent sulfur	1,474	15	570	–	1,282	3,341	57
Greater than 1.00 percent sulfur	2,861	175	3,580	–	37	6,653	113
Petrochemical Feedstocks	128	346	386	–	66	926	16
Naphtha for Petro. Feed. Use	95	193	176	–	66	530	9
Other Oils for Petro. Feed. Use	33	153	210	–	–	396	7
Special Naphthas	4	4	713	1	74	796	13
Lubricants	219	459	1,939	–	45	2,662	45
Waxes	170	27	8	–	19	224	4
Petroleum Coke (Marketable)	–	28	733	–	–	761	13
Asphalt and Road Oil	1,398	1,326	–	160	282	3,166	54
Miscellaneous Products	–	–	–	–	–	–	–
Total	96,348	181,044	124,790	20,064	87,207	509,453	8,635

– – = 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, February 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	**28,481**	**300**	**–**	**7,311**	**–**	**–**	**–**	**–**	**275**	**275**
Algeria	627	–	–	517	–	–	–	–	–	–
Angola	239	–	–	–	–	–	–	–	274	274
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	300	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	8,352	–	–	3,626	–	–	–	–	–	–
Kuwait	500	–	–	577	–	–	–	–	1	1
Libya	1,571	–	–	–	–	–	–	–	–	–
Nigeria	4,699	–	–	–	–	–	–	–	–	–
Saudi Arabia	10,863	–	–	2,591	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	1,630	–	–	–	–	–	–	–	–	–
Non-OPEC	**156,208**	**5,587**	**575**	**8,251**	**–**	**2,125**	**2,125**	**4,327**	**10,854**	**15,181**
Argentina	658	–	–	244	–	–	–	–	21	21
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	315	315	–	–	–
Brazil	3,948	–	–	685	–	–	–	–	78	78
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	113,636	5,556	575	281	–	291	291	2,080	1,700	3,780
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	5,621	–	–	35	–	–	–	–	67	67
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	3,871	–	–	209	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	338	338	–	261	261
France	–	–	–	61	–	390	390	–	264	264
Germany	–	–	–	9	–	–	–	–	22	22
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	1,184	–	15	15	–	1,719	1,719
Indonesia	–	–	–	134	–	–	–	–	–	–
Italy	–	–	–	–	–	3	3	168	951	1,119
Korea, South	–	–	–	–	–	318	318	–	586	586
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	1,760	–	–	–	–	–	–
Mexico	22,108	–	–	2,458	–	–	–	–	230	230
Netherlands	–	–	–	402	–	95	95	743	1,449	2,192
Norway	119	–	–	–	–	179	179	–	330	330
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	542	542
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	1,257	1,257
Sweden	–	–	–	–	–	75	75	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	31	–	–	–	–	–	–	–	–
United Kingdom	1,312	–	–	–	–	21	21	1,336	330	1,666
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	4,935	0	0	742	–	85	85	0	1,047	1,047
Total	**184,689**	**5,887**	**575**	**15,562**	**–**	**2,125**	**2,125**	**4,327**	**11,129**	**15,456**
Persian Gulf[4]	**19,715**	**–**	**–**	**6,794**	**–**	**–**	**–**	**–**	**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, February 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	**–**	**–**	**–**	**–**	**750**	**–**	**–**	**–**	**750**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**952**	**546**	**–**	**7,633**	**2**	**16**	**–**	**7,651**	**–**	**24**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	261	–	–	4,717	2	16	–	4,735	–	6
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	320	–	–	–	320	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	417	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	1,252	–	–	–	1,252	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	141	–	–	–	–	–	–	–	–	–
Korea, South	–	20	–	–	365	–	–	–	365	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	47	–	–	–	–	–	–	–	18
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	326	–	–	–	326	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	113	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	499	–	653	0	0	–	653	–	0
Total	**–**	**952**	**546**	**–**	**8,383**	**2**	**16**	**–**	**8,401**	**–**	**24**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**1,076**	**–**	**–**	**–**	**1,076**	**–**	**–**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, February 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	**–**	**1,015**	**–**	**473**	**122**	**190**	**785**	**–**	**–**
Algeria	–	–	–	473	84	–	557	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	38	–	38	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	190	190	–	–
Kuwait	–	792	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	138	–	–	–	–	–	–	–
United Arab Emirates	–	85	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**4,250**	**185**	**11**	**2,189**	**2,681**	**4,881**	**239**	**205**
Argentina	–	–	–	–	–	–	–	–	31
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	16	–	16	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	53	–	53	–	–
Brazil	–	–	–	–	–	435	435	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	226	39	11	49	132	192	90	76
Chad	–	–	–	–	–	–	–	–	–
China	–	605	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	128	128	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	787	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	1,792	146	–	–	–	–	67	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	63	63	–	–
Mexico	–	–	–	–	–	1,868	1,868	41	98
Netherlands	–	–	–	–	313	49	362	–	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	13	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	305	–	305	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	825	0	0	1,367	6	1,373	28	0
Total	**–**	**5,265**	**185**	**484**	**2,311**	**2,871**	**5,666**	**239**	**205**
Persian Gulf[4]	**–**	**1,015**	**–**	**–**	**–**	**190**	**190**	**13**	**–**

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, February 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	**–**	**–**	**–**	**38**	**–**	**10,474**	**38,955**	**1,017**	**374**	**1,391**
Algeria	–	–	–	–	–	1,074	1,701	22	38	61
Angola	–	–	–	–	–	274	513	9	10	18
Congo (Brazzaville)	–	–	–	–	–	38	38	–	1	1
Equatorial Guinea	–	–	–	–	–	300	300	–	11	11
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	3,816	12,168	298	136	435
Kuwait	–	–	–	–	–	1,370	1,870	18	49	67
Libya	–	–	–	–	–	–	1,571	56	–	56
Nigeria	–	–	–	–	–	–	4,699	168	–	168
Saudi Arabia	–	–	–	–	–	3,479	14,342	388	124	512
United Arab Emirates	–	–	–	38	–	123	123	–	4	4
Venezuela	–	–	–	–	–	–	1,630	58	–	58
Non-OPEC	**93**	**271**	**1,403**	**1,399**	**–**	**53,818**	**210,026**	**5,579**	**1,922**	**7,501**
Argentina	–	93	–	–	–	389	1,047	24	14	37
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	16	16	–	1	1
Bahrain	–	–	–	139	–	139	139	–	5	5
Belgium	–	–	–	3	–	371	371	–	13	13
Brazil	–	–	–	–	–	1,198	5,146	141	43	184
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	79	14	1,403	308	–	17,912	131,548	4,058	640	4,698
Chad	–	–	–	–	–	–	–	–	–	–
China	6	–	–	–	–	611	611	–	22	22
Colombia	–	–	–	–	–	550	6,171	201	20	220
Denmark	–	–	–	–	–	33	33	–	1	1
Ecuador	–	–	–	–	–	209	4,080	138	7	146
Egypt	–	–	–	–	–	47	47	–	2	2
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	599	599	–	21	21
France	–	–	–	13	–	728	728	–	26	26
Germany	–	–	–	10	–	511	511	–	18	18
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	4,957	4,957	–	177	177
Indonesia	–	–	–	154	–	288	288	–	10	10
Italy	–	–	–	6	–	1,269	1,269	–	45	45
Korea, South	–	–	–	353	–	3,647	3,647	–	130	130
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	1,823	1,823	–	65	65
Mexico	–	–	–	–	–	4,695	26,803	790	168	957
Netherlands	–	–	–	66	–	3,182	3,182	–	114	114
Norway	–	–	–	–	–	524	643	4	19	23
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	542	542	–	19	19
Qatar	–	–	–	346	–	685	685	–	24	24
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	1,370	1,370	–	49	49
Sweden	–	–	–	–	–	75	75	–	3	3
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	31	31	–	1	1
United Kingdom	–	–	–	–	–	1,992	3,304	47	71	118
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	8	164	0	1	–	5,425	10,360	176	194	372
Total	**93**	**271**	**1,403**	**1,437**	**–**	**64,292**	**248,981**	**6,596**	**2,296**	**8,892**
Persian Gulf[4]	**–**	**–**	**–**	**523**	**–**	**9,612**	**29,327**	**704**	**343**	**1,047**

– – = 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-February 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	**59,332**	**557**	**–**	**13,557**	**–**	**–**	**–**	**–**	**591**	**591**
Algeria	1,258	–	–	1,127	–	–	–	–	–	–
Angola	242	–	–	–	–	–	–	–	274	274
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	557	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	16,175	–	–	6,977	–	–	–	–	–	–
Kuwait	865	–	–	577	–	–	–	–	1	1
Libya	3,431	–	–	–	–	–	–	–	–	–
Nigeria	10,392	–	–	–	–	–	–	–	316	316
Saudi Arabia	24,098	–	–	4,506	–	–	–	–	–	–
United Arab Emirates	–	–	–	370	–	–	–	–	–	–
Venezuela	2,871	–	–	–	–	–	–	–	–	–
Non-OPEC	**319,956**	**11,835**	**1,104**	**18,308**	**–**	**5,476**	**5,476**	**8,759**	**21,317**	**30,076**
Argentina	2,621	–	–	244	–	–	–	–	528	528
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	1,870	1,870	100	324	424
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	674	–	315	315	–	340	340
Brazil	7,077	–	–	1,228	–	–	–	–	78	78
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	233,754	11,724	1,104	281	–	603	603	4,385	3,947	8,332
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	10,837	–	–	35	–	–	–	–	67	67
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	8,193	–	–	1,244	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	338	338	–	589	589
France	–	–	–	61	–	850	850	294	452	746
Germany	–	–	–	9	–	–	–	–	43	43
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	1,949	–	54	54	–	2,984	2,984
Indonesia	–	–	–	134	–	–	–	–	–	–
Italy	–	–	–	480	–	3	3	311	3,102	3,413
Korea, South	–	–	–	–	–	425	425	–	773	773
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	1,760	–	–	–	–	–	–
Mexico	44,287	–	–	6,384	–	–	–	–	230	230
Netherlands	–	–	–	764	–	95	95	1,386	1,995	3,381
Norway	120	–	–	–	–	495	495	–	974	974
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	1,432	1,432
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	317	–	–	–	–	1,858	1,858
Sweden	–	–	–	199	–	322	322	–	50	50
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	891	111	–	–	–	–	–	–	–	–
United Kingdom	3,017	–	–	708	–	21	21	2,283	381	2,664
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	8,542	0	0	1,790	–	85	85	0	1,170	1,170
Total	**379,288**	**12,392**	**1,104**	**31,865**	**–**	**5,476**	**5,476**	**8,759**	**21,908**	**30,667**
Persian Gulf[4]	**41,138**	**–**	**–**	**12,430**	**–**	**–**	**–**	**–**	**1**	**1**

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-February 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	**–**	**–**	**–**	**–**	**803**	**–**	**–**	**–**	**803**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	53	–	–	–	53	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**1,882**	**1,179**	**–**	**15,937**	**5**	**148**	**–**	**16,090**	**504**	**28**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	513	–	–	9,839	5	17	–	9,861	–	10
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	320	–	–	–	320	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	847	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	210	–	–	–	–	–	–	–	–	–
Korea, South	–	50	–	–	405	–	–	–	405	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	–	47	–	55	–	117	–	172	–	18
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	262	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	1,132	–	754	0	0	–	754	0	0
Total	**–**	**1,882**	**1,179**	**–**	**16,740**	**5**	**148**	**–**	**16,893**	**504**	**28**
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-February 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	**–**	**1,676**	**–**	**473**	**239**	**757**	**1,469**	**–**	**–**
Algeria	–	–	–	473	113	–	586	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	488	488	–	–
Kuwait	–	1,375	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	138	–	–	–	269	269	–	–
United Arab Emirates	–	159	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**7,166**	**796**	**316**	**3,102**	**5,896**	**9,314**	**530**	**396**
Argentina	–	–	–	–	–	–	–	–	50
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	18	–	18	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	301	–	301	–	–
Brazil	–	–	–	–	–	657	657	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	397	133	76	132	415	623	197	155
Chad	–	–	–	–	–	–	–	–	–
China	–	605	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	959	959	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	–	110	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	14	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,024	–	240	–	–	240	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	91	–
Korea, South	–	3,952	558	–	–	–	–	67	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	–	–	69	69	–	–
Mexico	–	5	–	–	8	3,080	3,088	96	191
Netherlands	–	–	76	–	332	49	381	–	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	13	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	317	–	317	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	1,155	15	0	1,779	667	2,446	66	0
Total	**–**	**8,842**	**796**	**789**	**3,341**	**6,653**	**10,783**	**530**	**396**
Persian Gulf[4]	**–**	**1,676**	**–**	**–**	**–**	**757**	**757**	**13**	**–**

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-February 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneo-us Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
OPEC	**–**	**–**	**–**	**262**	**–**	**18,915**	**78,247**	**1,006**	**321**	**1,326**
Algeria	–	–	–	–	–	1,713	2,971	21	29	50
Angola	–	–	–	–	–	274	516	4	5	9
Congo (Brazzaville)	–	–	–	–	–	126	126	–	2	2
Equatorial Guinea	–	–	–	–	–	557	557	–	9	9
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	7,469	23,644	274	127	401
Kuwait	–	–	–	–	–	1,953	2,818	15	33	48
Libya	–	–	–	–	–	–	3,431	58	–	58
Nigeria	–	–	–	–	–	316	10,708	176	5	181
Saudi Arabia	–	–	–	–	–	5,663	29,761	408	96	504
United Arab Emirates	–	–	–	262	–	844	844	–	14	14
Venezuela	–	–	–	–	–	–	2,871	49	–	49
Non-OPEC	**224**	**761**	**3,166**	**2,400**	**–**	**111,250**	**431,206**	**5,423**	**1,886**	**7,309**
Argentina	–	233	–	4	–	1,059	3,680	44	18	62
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	2,312	2,312	–	39	39
Bahrain	–	–	–	139	–	139	139	–	2	2
Belgium	–	–	–	6	–	1,706	1,706	–	29	29
Brazil	–	–	–	–	–	1,963	9,040	120	33	153
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	617	10	–	10
Canada	186	28	2,986	609	–	37,742	271,496	3,962	640	4,602
Chad	–	–	–	–	–	–	–	–	–	–
China	8	–	–	–	–	613	613	–	10	10
Colombia	–	196	72	–	–	1,649	12,486	184	28	212
Denmark	–	–	–	–	–	33	33	–	1	1
Ecuador	–	–	–	–	–	1,354	9,547	139	23	162
Egypt	–	–	–	–	–	47	47	–	1	1
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	946	946	–	16	16
France	–	–	–	20	–	1,677	1,677	–	28	28
Germany	–	–	–	20	–	986	986	–	17	17
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	9,843	9,843	–	167	167
Indonesia	–	–	–	211	–	345	345	–	6	6
Italy	–	–	–	13	–	4,210	4,210	–	71	71
Korea, South	1	–	–	566	–	6,797	6,797	–	115	115
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	8	–	–	–	–	1,850	1,850	–	31	31
Mexico	–	–	–	–	–	10,294	54,581	751	174	925
Netherlands	–	140	–	156	–	5,230	5,230	–	89	89
Norway	–	–	–	–	–	1,498	1,618	2	25	27
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	1,432	1,432	–	24	24
Qatar	–	–	–	653	–	1,772	1,772	–	30	30
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	108	–	–	2,545	2,545	–	43	43
Sweden	–	–	–	1	–	572	572	–	10	10
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	111	1,002	15	2	17
United Kingdom	–	–	–	–	–	3,710	6,727	51	63	114
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	21	164	0	2	–	8,815	17,357	145	151	296
Total	**224**	**761**	**3,166**	**2,662**	**–**	**130,165**	**509,453**	**6,429**	**2,206**	**8,635**
Persian Gulf[4]	**–**	**–**	**–**	**1,054**	**–**	**17,840**	**58,978**	**697**	**302**	**1,000**

– – = 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, February 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**8,144**	**245**	**–**	**139**	**–**	**–**	**–**	**–**	**275**	**275**
Algeria	627	–	–	139	–	–	–	–	–	–
Angola	239	–	–	–	–	–	–	–	274	274
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	245	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	1	–
Libya	528	–	–	–	–	–	–	–	–	–
Nigeria	4,699	–	–	–	–	–	–	–	–	–
Saudi Arabia	2,051	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**7,898**	**1,177**	**265**	**1,051**	**–**	**1,790**	**1,790**	**4,185**	**7,983**	**12,168**
Argentina	175	–	–	244	–	–	–	–	21	21
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	315	315	–	–	–
Brazil	627	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,926	1,177	265	–	–	279	279	2,080	1,016	3,096
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	35	–	–	–	–	35	35
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	338	338	–	261	261
France	–	–	–	61	–	390	390	–	264	264
Germany	–	–	–	9	–	–	–	–	22	22
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	15	15	–	1,389	1,389
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	3	3	168	951	1,119
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	3,051	–	–	250	–	–	–	–	–	–
Netherlands	–	–	–	402	–	95	95	601	1,273	1,874
Norway	119	–	–	–	–	179	179	–	330	330
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	542	542
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	951	951
Sweden	–	–	–	–	–	75	75	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	16	16	1,336	330	1,666
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	50	–	85	85	0	598	598
Total	**16,042**	**1,422**	**265**	**1,190**	**–**	**1,790**	**1,790**	**4,185**	**8,258**	**12,443**
Persian Gulf[4]	**2,051**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**1**	**1**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, February 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	**–**	**–**	**–**	**–**	**750**	**–**	**–**	**–**	**750**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**510**	**–**	**–**	**6,688**	**–**	**–**	**–**	**6,688**	**–**	**18**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	79	–	–	4,137	–	–	–	4,137	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	320	–	–	–	320	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	246	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	1,252	–	–	–	1,252	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	72	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	18
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	326	–	–	–	326	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	113	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	653	–	–	–	653	–	0
Total	**–**	**510**	**–**	**–**	**7,438**	**–**	**–**	**–**	**7,438**	**–**	**18**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**1,076**	**–**	**–**	**–**	**1,076**	**–**	**–**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, February 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	**–**	**1,015**	**–**	**473**	**122**	**147**	**742**	**–**	**–**
Algeria	–	–	–	473	84	–	557	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	38	–	38	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	147	147	–	–
Kuwait	–	792	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	138	–	–	–	–	–	–	–
United Arab Emirates	–	85	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**1,299**	**1**	**–**	**773**	**522**	**1,295**	**2**	**32**
Argentina	–	–	–	–	–	–	–	–	31
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	16	–	16	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	53	–	53	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	182	1	–	–	39	39	2	1
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	128	128	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	787	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	315	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	300	300	–	–
Netherlands	–	–	–	–	313	49	362	–	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	305	–	305	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	0	6	6	0	0
Total	**–**	**2,314**	**1**	**473**	**895**	**669**	**2,037**	**2**	**32**
Persian Gulf[4]	**–**	**1,015**	**–**	**–**	**–**	**147**	**147**	**–**	**–**

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, February 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	**–**	**–**	**–**	**38**	**–**	**3,204**	**11,348**	**291**	**114**	**405**
Algeria	–	–	–	–	–	696	1,323	22	25	47
Angola	–	–	–	–	–	274	513	9	10	18
Congo (Brazzaville)	–	–	–	–	–	38	38	–	1	1
Equatorial Guinea	–	–	–	–	–	245	245	–	9	9
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	147	147	–	5	5
Kuwait	–	–	–	–	–	793	793	–	28	28
Libya	–	–	–	–	–	–	528	19	–	19
Nigeria	–	–	–	–	–	–	4,699	168	–	168
Saudi Arabia	–	–	–	–	–	888	2,939	73	32	105
United Arab Emirates	–	–	–	38	–	123	123	–	4	4
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**75**	**–**	**546**	**86**	**–**	**27,003**	**34,901**	**282**	**964**	**1,246**
Argentina	–	–	–	–	–	296	471	6	11	17
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	16	16	–	1	1
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	1	–	369	369	–	13	13
Brazil	–	–	–	–	–	–	627	22	–	22
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	68	–	546	65	–	9,937	13,863	140	355	495
Chad	–	–	–	–	–	–	–	–	–	–
China	6	–	–	–	–	6	6	–	0	0
Colombia	–	–	–	–	–	518	518	–	19	19
Denmark	–	–	–	–	–	33	33	–	1	1
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	599	599	–	21	21
France	–	–	–	10	–	725	725	–	26	26
Germany	–	–	–	8	–	338	338	–	12	12
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	3,443	3,443	–	123	123
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	1	–	1,195	1,195	–	43	43
Korea, South	–	–	–	–	–	315	315	–	11	11
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	550	3,601	109	20	129
Netherlands	–	–	–	–	–	2,751	2,751	–	98	98
Norway	–	–	–	–	–	524	643	4	19	23
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	542	542	–	19	19
Qatar	–	–	–	–	–	326	326	–	12	12
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	1,064	1,064	–	38	38
Sweden	–	–	–	–	–	75	75	–	3	3
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	1,987	1,987	–	71	71
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	1	–	0	1	–	1,394	1,394	1	48	49
Total	**75**	**–**	**546**	**124**	**–**	**30,207**	**46,249**	**573**	**1,079**	**1,652**
Persian Gulf[4]	**–**	**–**	**–**	**38**	**–**	**2,277**	**4,328**	**73**	**81**	**155**

– – = 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, February 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	**84,027**	**1,997**	**310**	**–**	**–**	**–**	**–**	**–**	**568**	**568**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	84,027	1,997	310	–	–	–	–	–	568	568
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	**84,027**	**1,997**	**310**	**–**	**–**	**–**	**–**	**–**	**568**	**568**
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, February 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	–	**92**	–	–	**183**	**2**	**16**	–	**201**	–	**6**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	92	–	–	183	2	16	–	201	–	6
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	–	**92**	–	–	**183**	**2**	**16**	–	**201**	–	**6**
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, February 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	–	–	**1**	–	**8**	**56**	**64**	**88**	**75**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	1	–	8	56	64	88	75
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	–	–	**1**	–	**8**	**56**	**64**	**88**	**75**
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, February 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	**12**	**14**	**688**	**242**	**–**	**4,358**	**88,385**	**3,001**	**156**	**3,157**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	11	14	688	241	–	4,356	88,383	3,001	156	3,157
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	1	–	1	1	–	0	0
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	1	0	0	0	–	1	1	0	0	0
Total	**12**	**14**	**688**	**242**	**–**	**4,358**	**88,385**	**3,001**	**156**	**3,157**
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, February 2023
(Thousand Barrels)

Country of Origin	Crude Oil[1,2]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils[1]	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	**10,398**	**–**	**–**	**6,794**	**–**	**–**	**–**	**–**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	1,847	–	–	3,626	–	–	–	–	–	–
Kuwait	500	–	–	577	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	6,421	–	–	2,591	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	1,630	–	–	–	–	–	–	–	–	–
Non-OPEC	**32,538**	**3**	**–**	**5,444**	**–**	**5**	**5**	**–**	**1,542**	**1,542**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	615	–	–	685	–	–	–	–	78	78
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	8,624	3	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	4,138	–	–	–	–	–	–	–	32	32
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	209	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	538	–	–	–	–	330	330
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	117	117
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	1,629	–	–	–	–	–	–
Mexico	17,849	–	–	2,208	–	–	–	–	230	230
Netherlands	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	306	306
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	1,312	–	–	–	–	5	5	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	128	–	0	0	–	449	449
Total	**42,936**	**3**	**–**	**12,238**	**–**	**5**	**5**	**–**	**1,542**	**1,542**
Persian Gulf[4]	**8,768**	**–**	**–**	**6,794**	**–**	**–**	**–**	**–**	**–**	**–**

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, February 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	–	**240**	–	–	–	–	–	–	–	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	171	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	69	–	–	–	–	–	–	–	–	–
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	–	–	–	–	–	–	–	–	–
Total	–	**240**	–	–	–	–	–	–	–	–	–
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, February 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	**–**	**–**	**–**	**–**	**–**	**43**	**43**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	43	43	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**–**	**146**	**–**	**202**	**2,066**	**2,268**	**121**	**98**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	435	435	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	146	–	–	–	–	67	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	63	63	–	–
Mexico	–	–	–	–	–	1,568	1,568	41	98
Netherlands	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	13	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	202	0	202	0	0
Total	**–**	**–**	**146**	**–**	**202**	**2,109**	**2,311**	**121**	**98**
Persian Gulf[4]	**–**	**–**	**–**	**–**	**–**	**43**	**43**	**13**	**–**

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, February 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	**–**	**–**	**–**	**–**	**–**	**6,837**	**17,235**	**371**	**244**	**616**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	3,669	5,516	66	131	197
Kuwait	–	–	–	–	–	577	1,077	18	21	38
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	2,591	9,012	229	93	322
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	1,630	58	–	58
Non-OPEC	**–**	**257**	**–**	**1,031**	**–**	**11,155**	**43,693**	**1,162**	**398**	**1,560**
Argentina	–	93	–	–	–	93	93	–	3	3
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	139	–	139	139	–	5	5
Belgium	–	–	–	2	–	2	2	–	0	0
Brazil	–	–	–	–	–	1,198	1,813	22	43	65
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	3	8,627	308	0	308
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	32	4,170	148	1	149
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	209	209	–	7	7
Egypt	–	–	–	–	–	47	47	–	2	2
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	3	–	3	3	–	0	0
Germany	–	–	–	1	–	172	172	–	6	6
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	868	868	–	31	31
Indonesia	–	–	–	154	–	154	154	–	6	6
Italy	–	–	–	5	–	74	74	–	3	3
Korea, South	–	–	–	353	–	683	683	–	24	24
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	1,692	1,692	–	60	60
Mexico	–	–	–	–	–	4,145	21,994	637	148	786
Netherlands	–	–	–	66	–	66	66	–	2	2
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	308	–	321	321	–	11	11
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	306	306	–	11	11
Sweden	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	5	1,317	47	0	47
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	–	164	–	0	–	943	943	0	35	34
Total	**–**	**257**	**–**	**1,031**	**–**	**17,992**	**60,928**	**1,533**	**643**	**2,176**
Persian Gulf[4]	**–**	**–**	**–**	**447**	**–**	**7,297**	**16,065**	**313**	**261**	**574**

– – = 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, February 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	**8,548**	**901**	–	–	–	–	–	–	**100**	**100**
Canada	8,548	901	–	–	–	–	–	–	100	100
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	–	–	–	–	–	0	0
Total	**8,548**	**901**	–	–	–	–	–	–	**100**	**100**
	PAD District 5									
OPEC	**9,939**	**55**	–	**378**	–	–	–	–	–	–
Algeria	–	–	–	378	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	6,505	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	1,043	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	2,391	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**23,197**	**1,509**	–	**1,756**	–	**330**	**330**	**142**	**661**	**803**
Argentina	483	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	2,706	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	8,511	1,478	–	281	–	12	12	–	16	16
China	–	–	–	–	–	–	–	–	–	–
Colombia	1,483	–	–	–	–	–	–	–	–	–
Ecuador	3,871	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	134	–	–	–	–	–	–
Japan	–	–	–	46	–	–	–	–	–	–
Korea, South	–	–	–	–	–	318	318	–	469	469
Malaysia	–	–	–	131	–	–	–	–	–	–
Mexico	1,208	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	142	176	318
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	87	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	4,935	31	–	1,077	–	0	0	0	0	0
Total	**33,136**	**1,564**	–	**2,134**	–	**330**	**330**	**142**	**661**	**803**
Persian Gulf[4]	**8,896**	–	–	–	–	–	–	–	–	–

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, February 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	–	**8**	–	–	**36**	–	–	–	**36**	–	–
Canada	–	8	–	–	36	–	–	–	36	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**8**	–	–	**36**	–	–	–	**36**	–	–
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**102**	**546**	–	**726**	–	–	–	**726**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	82	–	–	361	–	–	–	361	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	20	–	–	365	–	–	–	365	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	47	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	499	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	–	–	0	–	–
Total	–	**102**	**546**	–	**726**	–	–	–	**726**	–	–
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, February 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	–	**44**	–	**11**	–	–	**11**	–	–
Canada	–	44	–	11	–	–	11	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	–	0	–	–	0	–	–
Total	–	**44**	–	**11**	–	–	**11**	–	–
	PAD District 5								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**2,907**	**37**	–	**1,206**	**37**	**1,243**	**28**	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	–	37	–	41	37	78	–	–
China	–	605	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	415	–	–	–	–	–	–	–
Korea, South	–	1,477	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	230	–	–	–	–	–	28	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	180	0	–	1,165	0	1,165	0	–
Total	–	**2,907**	**37**	–	**1,206**	**37**	**1,243**	**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, February 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
	PAD District 4									
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	–	**101**	–	–	**1,201**	**9,749**	**305**	**43**	**348**
Canada	–	–	101	–	–	1,201	9,749	305	43	348
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**101**	–	–	**1,201**	**9,749**	**305**	**43**	**348**
	PAD District 5									
OPEC	–	–	–	–	–	**433**	**10,372**	**355**	**15**	**370**
Algeria	–	–	–	–	–	378	378	–	14	14
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	6,505	232	–	232
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	1,043	37	–	37
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	2,391	85	–	85
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**6**	–	**68**	**40**	–	**10,101**	**33,298**	**828**	**361**	**1,189**
Argentina	–	–	–	–	–	–	483	17	–	17
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	2,706	97	–	97
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	68	2	–	2,415	10,926	304	86	390
China	–	–	–	–	–	605	605	–	22	22
Colombia	–	–	–	–	–	–	1,483	53	–	53
Ecuador	–	–	–	–	–	–	3,871	138	–	138
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	134	134	–	5	5
Japan	–	–	–	–	–	461	461	–	16	16
Korea, South	–	–	–	–	–	2,649	2,649	–	95	95
Malaysia	–	–	–	–	–	131	131	–	5	5
Mexico	–	–	–	–	–	–	1,208	43	–	43
Netherlands	–	–	–	–	–	365	365	–	13	13
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	38	–	38	38	–	1	1
Singapore	–	–	–	–	–	586	586	–	21	21
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	6	–	–	–	–	264	264	–	9	9
United Kingdom	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	0	–	0	0	–	2,453	7,388	176	88	264
Total	**6**	–	**68**	**40**	–	**10,534**	**43,670**	**1,183**	**376**	**1,560**
Persian Gulf[4]	–	–	–	**38**	–	**38**	**8,934**	**318**	**1**	**319**

– – = 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-February 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	**17,412**	**502**	**–**	**139**	**–**	**–**	**–**	**–**	**591**	**591**
Algeria	1,258	–	–	139	–	–	–	–	–	–
Angola	242	–	–	–	–	–	–	–	274	274
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	502	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	1	–
Libya	1,352	–	–	–	–	–	–	–	–	–
Nigeria	10,392	–	–	–	–	–	–	–	316	316
Saudi Arabia	4,168	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**15,666**	**2,347**	**560**	**2,781**	**–**	**5,010**	**5,010**	**8,617**	**16,030**	**24,647**
Argentina	658	–	–	244	–	–	–	–	507	507
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	1,870	1,870	100	324	424
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	315	315	–	–	–
Brazil	627	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	7,403	2,347	560	–	–	567	567	4,385	2,332	6,717
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	35	–	–	–	–	35	35
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	338	338	–	589	589
France	–	–	–	61	–	850	850	294	452	746
Germany	–	–	–	9	–	–	–	–	22	22
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	54	54	–	1,907	1,907
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	205	–	3	3	311	3,102	3,413
Korea, South	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–
Mexico	5,040	–	–	1,330	–	–	–	–	–	–
Netherlands	–	–	–	454	–	95	95	1,244	1,781	3,025
Norway	120	–	–	–	–	495	495	–	974	974
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	1,432	1,432
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	1,552	1,552
Sweden	–	–	–	–	–	322	322	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	1,198	–	–	300	–	16	16	2,283	330	2,613
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	620	0	0	143	–	85	85	0	691	691
Total	**33,078**	**2,849**	**560**	**2,920**	**–**	**5,010**	**5,010**	**8,617**	**16,621**	**25,238**
Persian Gulf[4]	**4,168**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**1**	**1**

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-February 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	**–**	**–**	**–**	**–**	**803**	**–**	**–**	**–**	**803**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	750	–	–	–	750	–	–
United Arab Emirates	–	–	–	–	53	–	–	–	53	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**1,071**	**–**	**–**	**14,071**	**–**	**131**	**–**	**14,202**	**504**	**18**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	70	–	–	–	70	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	155	–	–	8,678	–	–	–	8,678	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	320	–	–	–	320	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	605	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	3,088	–	–	–	3,088	504	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	141	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	55	–	117	–	172	–	18
Norway	–	–	–	–	–	–	14	–	14	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	1,106	–	–	–	1,106	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	170	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	754	–	0	–	754	0	0
Total	**–**	**1,071**	**–**	**–**	**14,874**	**–**	**131**	**–**	**15,005**	**504**	**18**
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-February 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	**–**	**1,676**	**–**	**473**	**239**	**595**	**1,307**	**–**	**–**
Algeria	–	–	–	473	113	–	586	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	126	–	126	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	4	–	–	–	326	326	–	–
Kuwait	–	1,375	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	138	–	–	–	269	269	–	–
United Arab Emirates	–	159	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	**–**	**1,692**	**4**	**–**	**1,235**	**2,266**	**3,501**	**95**	**33**
Argentina	–	–	–	–	–	–	–	–	31
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	18	–	18	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	301	–	301	–	–
Brazil	–	–	–	–	–	88	88	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	320	4	–	–	176	176	4	2
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	959	959	–	–
Denmark	–	–	–	–	33	–	33	–	–
Ecuador	–	–	–	–	110	–	110	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	19	–	19	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	53	–	53	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	1,024	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	91	–
Korea, South	–	315	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	13	–	–	–	–	–	–	–
Mexico	–	5	–	–	8	327	335	–	–
Netherlands	–	–	–	–	332	49	381	–	–
Norway	–	15	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	317	–	317	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	44	667	711	0	0
Total	**–**	**3,368**	**4**	**473**	**1,474**	**2,861**	**4,808**	**95**	**33**
Persian Gulf[4]	**–**	**1,676**	**–**	**–**	**–**	**595**	**595**	**–**	**–**

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-February 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	**–**	**–**	**–**	**38**	**–**	**5,056**	**22,468**	**295**	**86**	**381**
Algeria	–	–	–	–	–	725	1,983	21	12	34
Angola	–	–	–	–	–	274	516	4	5	9
Congo (Brazzaville)	–	–	–	–	–	126	126	–	2	2
Equatorial Guinea	–	–	–	–	–	502	502	–	9	9
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	330	330	–	6	6
Kuwait	–	–	–	–	–	1,376	1,376	–	23	23
Libya	–	–	–	–	–	–	1,352	23	–	23
Nigeria	–	–	–	–	–	316	10,708	176	5	181
Saudi Arabia	–	–	–	–	–	1,157	5,325	71	20	90
United Arab Emirates	–	–	–	38	–	250	250	–	4	4
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**170**	**–**	**1,398**	**181**	**–**	**58,214**	**73,880**	**266**	**987**	**1,252**
Argentina	–	–	–	–	–	782	1,440	11	13	24
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	2,312	2,312	–	39	39
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	2	–	688	688	–	12	12
Brazil	–	–	–	–	–	88	715	11	1	12
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	160	–	1,326	144	–	21,160	28,563	125	359	484
Chad	–	–	–	–	–	–	–	–	–	–
China	8	–	–	–	–	8	8	–	0	0
Colombia	–	–	72	–	–	1,421	1,421	–	24	24
Denmark	–	–	–	–	–	33	33	–	1	1
Ecuador	–	–	–	–	–	110	110	–	2	2
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	946	946	–	16	16
France	–	–	–	14	–	1,671	1,671	–	28	28
Germany	–	–	–	17	–	706	706	–	12	12
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	6,577	6,577	–	111	111
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	2	–	3,855	3,855	–	65	65
Korea, South	1	–	–	–	–	316	316	–	5	5
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	13	13	–	0	0
Mexico	–	–	–	–	–	1,670	6,710	85	28	114
Netherlands	–	–	–	–	–	4,145	4,145	–	70	70
Norway	–	–	–	–	–	1,498	1,618	2	25	27
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	1,432	1,432	–	24	24
Qatar	–	–	–	–	–	1,106	1,106	–	19	19
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	1,722	1,722	–	29	29
Sweden	–	–	–	1	–	323	323	–	5	5
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	3,246	4,444	20	55	75
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	1	–	0	1	–	2,386	3,006	12	44	54
Total	**170**	**–**	**1,398**	**219**	**–**	**63,270**	**96,348**	**561**	**1,072**	**1,633**
Persian Gulf[4]	**–**	**–**	**–**	**38**	**–**	**4,219**	**8,387**	**71**	**72**	**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 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-February 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	**171,731**	**4,199**	**543**	**–**	**–**	**–**	**–**	**–**	**1,348**	**1,348**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	171,731	4,199	543	–	–	–	–	–	1,348	1,348
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	**171,731**	**4,199**	**543**	**–**	**–**	**–**	**–**	**–**	**1,348**	**1,348**
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-February 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	–	**182**	–	–	**630**	**5**	**17**	–	**652**	–	**9**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	182	–	–	630	5	17	–	652	–	9
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	–	**182**	–	–	**630**	**5**	**17**	–	**652**	–	**9**
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-February 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	–	–	**4**	–	**15**	**175**	**190**	**193**	**153**
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	4	–	15	175	190	193	153
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	–	–	**4**	–	**15**	**175**	**190**	**193**	**153**
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-February 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	**27**	**28**	**1,326**	**459**	**–**	**9,313**	**181,044**	**2,911**	**158**	**3,069**
Argentina	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	26	28	1,326	458	–	9,311	181,042	2,911	158	3,069
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	1	–	1	1	–	0	0
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	1	0	0	0	–	1	1	0	0	0
Total	**27**	**28**	**1,326**	**459**	**–**	**9,313**	**181,044**	**2,911**	**158**	**3,069**
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-February 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	**18,436**	**–**	**–**	**12,176**	**–**	**–**	**–**	**–**	**–**	**–**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	2,817	–	–	6,977	–	–	–	–	–	–
Kuwait	865	–	–	577	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	11,883	–	–	4,252	–	–	–	–	–	–
United Arab Emirates	–	–	–	370	–	–	–	–	–	–
Venezuela	2,871	–	–	–	–	–	–	–	–	–
Non-OPEC	**69,882**	**3**	**–**	**13,006**	**–**	**5**	**5**	**–**	**2,570**	**2,570**
Argentina	–	–	–	–	–	–	–	–	21	21
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	674	–	–	–	–	–	–
Brazil	615	–	–	1,228	–	–	–	–	78	78
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	617	–	–	–	–	–	–	–	–	–
Canada	19,536	3	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	8,365	–	–	–	–	–	–	–	32	32
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	1,244	–	–	–	–	–	–
Egypt	–	–	–	47	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	538	–	–	–	–	1,077	1,077
Indonesia	–	–	–	–	–	–	–	–	–	–
Italy	–	–	–	275	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	304	304
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	1,629	–	–	–	–	–	–
Mexico	38,039	–	–	5,054	–	–	–	–	230	230
Netherlands	–	–	–	310	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	317	–	–	–	–	306	306
Sweden	–	–	–	199	–	–	–	–	50	50
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	891	–	–	–	–	–	–	–	–	–
United Kingdom	1,819	–	–	408	–	5	5	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	0	–	1,083	–	0	0	–	472	472
Total	**88,318**	**3**	**–**	**25,182**	**–**	**5**	**5**	**–**	**2,570**	**2,570**
Persian Gulf[4]	**15,565**	**–**	**–**	**12,176**	**–**	**–**	**–**	**–**	**–**	**–**

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-February 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	–	**403**	–	–	**300**	–	–	–	**300**	–	–
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	–	–	–	–	–	–	–	–	–	–	–
Chad	–	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–	–	–
Germany	–	242	–	–	–	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Italy	–	69	–	–	–	–	–	–	–	–	–
Korea, South	–	–	–	–	–	–	–	–	–	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	300	–	–	–	300	–	–
Netherlands	–	–	–	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	–	92	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**403**	–	–	**300**	–	–	–	**300**	–	–
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-February 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	–	–	–	–	–	162	162	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	162	162	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	–	713	65	570	3,418	4,053	176	210
Argentina	–	–	–	–	–	–	–	–	19
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	–	–	–	–	–	–
Belgium	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	569	569	–	–
Brunei	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–
Canada	–	–	50	65	–	27	92	–	–
Chad	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Denmark	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Egypt	–	–	–	–	–	–	–	–	–
Estonia	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	–	–	–
Germany	–	–	14	–	–	–	–	–	–
Guatemala	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Italy	–	–	–	–	–	–	–	–	–
Korea, South	–	–	558	–	–	–	–	67	–
Latvia	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	69	69	–	–
Mexico	–	–	–	–	–	2,753	2,753	96	191
Netherlands	–	–	76	–	–	–	–	–	–
Norway	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	13	–
Russia	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Syria	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–
Other	–	–	15	0	570	0	570	0	0
Total	–	–	713	65	570	3,580	4,215	176	210
Persian Gulf[4]	–	–	–	–	–	162	162	13	–

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-February 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	**–**	**–**	**–**	**224**	**–**	**12,562**	**30,998**	**312**	**213**	**525**
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	7,139	9,956	48	121	169
Kuwait	–	–	–	–	–	577	1,442	15	10	24
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	4,252	16,135	201	72	273
United Arab Emirates	–	–	–	224	–	594	594	–	10	10
Venezuela	–	–	–	–	–	–	2,871	49	–	49
Non-OPEC	**8**	**733**	**–**	**1,715**	**–**	**23,910**	**93,792**	**1,184**	**405**	**1,590**
Argentina	–	233	–	4	–	277	277	–	5	5
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Bahamas	–	–	–	–	–	–	–	–	–	–
Bahrain	–	–	–	139	–	139	139	–	2	2
Belgium	–	–	–	4	–	678	678	–	11	11
Brazil	–	–	–	–	–	1,875	2,490	10	32	42
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	617	10	–	10
Canada	–	–	–	–	–	145	19,681	331	2	334
Chad	–	–	–	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–	–	–	–
Colombia	–	196	–	–	–	228	8,593	142	4	146
Denmark	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	1,244	1,244	–	21	21
Egypt	–	–	–	–	–	47	47	–	1	1
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
France	–	–	–	6	–	6	6	–	0	0
Germany	–	–	–	2	–	258	258	–	4	4
Guatemala	–	–	–	–	–	–	–	–	–	–
India	–	–	–	–	–	1,615	1,615	–	27	27
Indonesia	–	–	–	211	–	211	211	–	4	4
Italy	–	–	–	11	–	355	355	–	6	6
Korea, South	–	–	–	566	–	1,495	1,495	–	25	25
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–
Malaysia	8	–	–	–	–	1,706	1,706	–	29	29
Mexico	–	–	–	–	–	8,624	46,663	645	146	791
Netherlands	–	140	–	156	–	682	682	–	12	12
Norway	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	615	–	628	628	–	11	11
Russia	–	–	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	715	715	–	12	12
Sweden	–	–	–	–	–	249	249	–	4	4
Syria	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	891	15	–	15
United Kingdom	–	–	–	–	–	413	2,232	31	7	38
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	0	164	–	1	–	2,320	2,320	0	40	40
Total	**8**	**733**	**–**	**1,939**	**–**	**36,472**	**124,790**	**1,497**	**618**	**2,115**
Persian Gulf[4]	**–**	**–**	**–**	**978**	**–**	**13,329**	**28,894**	**264**	**226**	**490**

– – = 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-February 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	**17,570**	**1,960**	**1**	**–**	**–**	**–**	**–**	**–**	**251**	**251**
Canada	17,570	1,960	1	–	–	–	–	–	251	251
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	0	0	0	–	–	–	–	–	0	0
Total	**17,570**	**1,960**	**1**	**–**	**–**	**–**	**–**	**–**	**251**	**251**
	PAD District 5									
OPEC	**23,484**	**55**	**–**	**1,242**	**–**	**–**	**–**	**–**	**–**	**–**
Algeria	–	–	–	988	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	13,358	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	2,079	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	8,047	–	–	254	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**45,107**	**3,326**	**–**	**2,521**	**–**	**461**	**461**	**142**	**1,118**	**1,260**
Argentina	1,963	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	5,835	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	17,514	3,215	–	281	–	36	36	–	16	16
China	–	–	–	–	–	–	–	–	–	–
Colombia	2,472	–	–	–	–	–	–	–	–	–
Ecuador	8,193	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	21	21
Indonesia	–	–	–	134	–	–	–	–	–	–
Japan	–	–	–	46	–	–	–	–	–	–
Korea, South	–	–	–	–	–	425	425	–	469	469
Malaysia	–	–	–	131	–	–	–	–	–	–
Mexico	1,208	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	142	214	356
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	87	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	51	51
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	7,922	111	–	1,842	–	0	0	0	347	347
Total	**68,591**	**3,381**	**–**	**3,763**	**–**	**461**	**461**	**142**	**1,118**	**1,260**
Persian Gulf[4]	**21,405**	**–**	**–**	**254**	**–**	**–**	**–**	**–**	**–**	**–**

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-February 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	–	**20**	–	–	**36**	–	–	–	**36**	–	–
Canada	–	20	–	–	36	–	–	–	36	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	–	–	0	–	–	–	0	–	–
Total	–	**20**	–	–	**36**	–	–	–	**36**	–	–
	PAD District 5										
OPEC	–	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**206**	**1,179**	–	**900**	–	–	–	**900**	–	**1**
Argentina	–	–	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Canada	–	156	–	–	495	–	–	–	495	–	1
China	–	–	–	–	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–
Korea, South	–	50	–	–	405	–	–	–	405	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–
Netherlands	–	–	47	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	–
Singapore	–	–	1,132	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	–	–	–	–	–
United Kingdom	–	–	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–	–
Other	–	0	0	–	0	–	–	–	0	–	0
Total	–	**206**	**1,179**	–	**900**	–	–	–	**900**	–	**1**
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-February 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	–	**54**	**1**	**11**	–	–	**11**	–	–
Canada	–	54	1	11	–	–	11	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Other	–	0	0	0	–	–	0	–	–
Total	–	**54**	**1**	**11**	–	–	**11**	–	–
	PAD District 5								
OPEC	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–
Non-OPEC	–	**5,420**	**74**	**240**	**1,282**	**37**	**1,559**	**66**	–
Argentina	–	–	–	–	–	–	–	–	–
Aruba	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	–	–	–
Brunei	–	–	–	–	–	–	–	–	–
Canada	–	23	74	–	117	37	154	–	–
China	–	605	–	–	–	–	–	–	–
Colombia	–	–	–	–	–	–	–	–	–
Ecuador	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	–	–	–	–
Indonesia	–	–	–	–	–	–	–	–	–
Japan	–	415	–	–	–	–	–	–	–
Korea, South	–	3,637	–	–	–	–	–	–	–
Malaysia	–	–	–	–	–	–	–	–	–
Mexico	–	–	–	–	–	–	–	–	–
Netherlands	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–
Taiwan	–	230	–	–	–	–	–	66	–
United Kingdom	–	–	–	–	–	–	–	–	–
Vietnam	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–
Other	–	510	0	240	1,165	0	1,405	0	–
Total	–	**5,420**	**74**	**240**	**1,282**	**37**	**1,559**	**66**	–
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-February 2023
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
	PAD District 4									
OPEC	–	–	–	–	–	–	–	–	–	–
Algeria	–	–	–	–	–	–	–	–	–	–
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	–	–	**160**	–	–	**2,494**	**20,064**	**298**	**42**	**340**
Canada	–	–	160	–	–	2,494	20,064	298	42	340
Ecuador	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Other	–	–	0	–	–	0	0	0	0	0
Total	–	–	**160**	–	–	**2,494**	**20,064**	**298**	**42**	**340**
	PAD District 5									
OPEC	–	–	–	–	–	**1,297**	**24,781**	**398**	**22**	**420**
Algeria	–	–	–	–	–	988	988	–	17	17
Angola	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	13,358	226	–	226
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	2,079	35	–	35
Nigeria	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	254	8,301	136	4	141
United Arab Emirates	–	–	–	–	–	–	–	–	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–
Non-OPEC	**19**	–	**282**	**45**	–	**17,319**	**62,426**	**765**	**294**	**1,058**
Argentina	–	–	–	–	–	–	1,963	33	–	33
Aruba	–	–	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	–	–	–	–
Brazil	–	–	–	–	–	–	5,835	99	–	99
Brunei	–	–	–	–	–	–	–	–	–	–
Canada	–	–	174	7	–	4,632	22,146	297	79	375
China	–	–	–	–	–	605	605	–	10	10
Colombia	–	–	–	–	–	–	2,472	42	–	42
Ecuador	–	–	–	–	–	–	8,193	139	–	139
Finland	–	–	–	–	–	–	–	–	–	–
Germany	–	–	–	–	–	21	21	–	0	0
Indonesia	–	–	–	–	–	134	134	–	2	2
Japan	–	–	–	–	–	461	461	–	8	8
Korea, South	–	–	–	–	–	4,986	4,986	–	85	85
Malaysia	–	–	–	–	–	131	131	–	2	2
Mexico	–	–	–	–	–	–	1,208	20	–	20
Netherlands	–	–	–	–	–	403	403	–	7	7
Oman	–	–	–	–	–	–	–	–	–	–
Papua New Guinea	–	–	–	–	–	–	–	–	–	–
Peru	–	–	–	–	–	–	–	–	–	–
Qatar	–	–	–	38	–	38	38	–	1	1
Singapore	–	–	–	–	–	1,219	1,219	–	21	21
Sweden	–	–	–	–	–	–	–	–	–	–
Taiwan	19	–	–	–	–	315	315	–	5	5
United Kingdom	–	–	–	–	–	51	51	–	1	1
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	–	–	–	–	–	–
Other	0	–	108	0	–	4,323	12,245	135	73	208
Total	**19**	–	**282**	**45**	–	**18,616**	**87,207**	**1,163**	**316**	**1,478**
Persian Gulf[4]	–	–	–	**38**	–	**292**	**21,697**	**363**	**5**	**368**

– – = 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, February 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**–**	**3,371**	**108,564**	**–**	**–**	**111,935**	**3,998**
Hydrocarbon Gas Liquids	**5,463**	**6,524**	**60,498**	**9**	**1,585**	**74,078**	**2,646**
Natural Gas Liquids	5,463	6,524	60,498	9	1,585	74,078	2,646
Ethane	1,775	1,971	9,533	0	–	13,279	474
Propane	3,004	94	39,460	0	932	43,490	1,553
Normal Butane	641	106	11,327	–	629	12,702	454
Isobutane	1	1	103	–	–	106	4
Natural Gasoline	43	4,352	75	8	24	4,501	161
Other Liquids	**214**	**3,307**	**7,312**	**39**	**523**	**11,395**	**407**
Hydrogen/Biofuels/Other Hydrocarbons	184	829	1,222	39	341	2,615	93
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	184	829	1,222	39	341	2,615	93
Fuel Ethanol	182	766	1,209	39	287	2,483	89
Biodiesel	3	63	13	–	53	132	5
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	27	2,398	5,610	–	20	8,054	288
Naphthas and Lighter	11	2,392	4,969	–	0	7,373	263
Kerosene and Light Gas Oils	16	6	640	–	19	681	24
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	3	80	480	–	163	727	26
Reformulated	0	–	53	–	0	54	2
Conventional	3	80	427	–	163	673	24
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**1,582**	**493**	**66,401**	**19**	**6,692**	**75,188**	**2,685**
Finished Motor Gasoline	42	196	20,853	0	883	21,975	785
Reformulated	–	–	–	–	–	–	–
Conventional	42	196	20,853	0	883	21,975	785
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	318	24	3,695	–	838	4,875	174
Kerosene	2	0	21	–	0	23	1
Distillate Fuel Oil	452	19	23,608	–	1,490	25,569	913
15 ppm sulfur and under	430	2	19,884	–	835	21,151	755
Greater than 15 ppm to 500 ppm sulfur	21	5	2,208	–	210	2,445	87
Greater than 500 ppm sulfur	1	11	1,516	–	445	1,973	70
Residual Fuel Oil	212	–	3,449	–	300	3,961	141
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	2	–	810	–	50	862	31
Special Naphthas	–	–	–	–	–	–	–
Lubricants	189	154	1,873	17	62	2,296	82
Waxes	61	40	25	1	4	131	5
Petroleum Coke	226	38	11,640	–	3,037	14,941	534
Asphalt and Road Oil	64	17	392	1	27	502	18
Miscellaneous Products	14	4	33	–	0	52	2
Total	**7,260**	**13,695**	**242,775**	**67**	**8,800**	**272,596**	**9,736**

– – = 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-February 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil[1]	**1,440**	**6,026**	**213,399**	**–**	**–**	**220,866**	**3,743**
Hydrocarbon Gas Liquids	**12,482**	**13,502**	**124,982**	**17**	**2,610**	**153,594**	**2,603**
Natural Gas Liquids	12,482	13,502	124,982	17	2,610	153,594	2,603
Ethane	4,750	4,277	19,174	0	–	28,202	478
Propane	6,260	210	80,496	1	1,674	88,641	1,502
Normal Butane	1,384	206	24,705	–	888	27,183	461
Isobutane	2	3	179	–	2	185	3
Natural Gasoline	86	8,806	428	16	47	9,383	159
Other Liquids	**337**	**6,797**	**14,670**	**53**	**977**	**22,834**	**387**
Hydrogen/Biofuels/Other Hydrocarbons	282	1,816	2,738	51	631	5,518	94
Hydrogen	– –	– –	– –	– –	– –	– –	– –
Biofuels	282	1,816	2,738	51	631	5,518	94
Fuel Ethanol	276	1,708	2,714	51	546	5,295	90
Biodiesel	7	108	24	–	85	223	4
Renewable Diesel Fuel	NA	NA	NA	NA	NA	NA	NA
Other Biofuels[2]	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons	–	–	–	–	–	–	–
Unfinished Oils	47	4,827	9,256	0	40	14,171	240
Naphthas and Lighter	18	4,808	8,200	0	2	13,027	221
Kerosene and Light Gas Oils	29	19	1,057	–	38	1,143	19
Heavy Gas Oils	–	–	–	–	–	–	–
Residuum	–	–	–	–	–	–	–
Motor Gasoline Blend.Comp. (MGBC)	7	154	2,676	2	306	3,145	53
Reformulated	1	–	75	–	2	77	1
Conventional	7	154	2,601	2	304	3,068	52
Aviation Gasoline Blend. Comp.	–	–	–	–	–	–	–
Finished Petroleum Products	**3,769**	**1,120**	**143,470**	**39**	**17,273**	**165,671**	**2,808**
Finished Motor Gasoline	112	369	46,762	1	2,131	49,376	837
Reformulated	–	–	–	–	–	–	–
Conventional	112	369	46,762	1	2,131	49,376	837
Finished Aviation Gasoline	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	708	60	8,741	–	1,632	11,141	189
Kerosene	4	2	508	–	1	515	9
Distillate Fuel Oil	886	101	48,440	0	5,279	54,705	927
15 ppm sulfur and under	442	2	40,792	0	4,030	45,266	767
Greater than 15 ppm to 500 ppm sulfur	442	26	4,651	–	313	5,431	92
Greater than 500 ppm sulfur	2	73	2,997	–	935	4,008	68
Residual Fuel Oil	215	0	5,838	–	1,124	7,177	122
Naphtha for Petro. Feed. Use	–	–	–	–	–	–	–
Other Oils for Petro. Feed. Use	2	–	810	–	50	862	15
Special Naphthas	–	–	–	–	–	–	–
Lubricants	332	333	4,075	33	303	5,076	86
Waxes	128	79	40	1	9	256	4
Petroleum Coke	1,189	65	27,144	0	6,694	35,092	595
Asphalt and Road Oil	161	107	997	4	49	1,318	22
Miscellaneous Products	32	6	115	–	0	153	3
Total	**18,029**	**27,445**	**496,522**	**109**	**20,860**	**562,965**	**9,542**

– – = 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, February 2023
(Thousand Barrels)

Destination	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	–	0	–	132	–	44	44	–	–	–
Australia	724	554	–	5	–	0	0	–	–	–
Bahamas	–	43	–	147	–	348	348	–	1	1
Bahrain	–	–	–	0	–	–	–	–	–	–
Belgium	–	1,699	–	335	–	–	–	–	–	–
Belize	–	25	–	–	–	47	47	–	–	–
Brazil	850	64	–	1,420	–	428	428	–	–	–
Canada	9,607	6,613	–	2,408	–	1,218	1,218	–	588	588
Cayman Islands	–	–	–	–	–	8	8	0	–	0
Chile	720	2,031	–	2	–	514	514	–	–	–
China	12,362	10,285	–	4	–	–	–	–	–	–
Colombia	1,248	58	–	603	–	300	300	–	–	–
Costa Rica	–	68	–	2	–	360	360	–	–	–
Denmark	1,948	–	–	56	–	–	–	–	–	–
Dominican Republic	501	614	–	130	–	631	631	0	0	0
Ecuador	–	1,071	–	11	–	323	323	–	–	–
Egypt	–	1,772	–	–	–	–	–	–	–	–
El Salvador	–	389	–	0	–	155	155	–	1	1
Finland	723	–	–	–	–	–	–	–	–	–
France	5,658	423	–	16	–	–	–	–	–	–
Germany	3,372	111	–	6	–	–	–	–	–	–
Ghana	–	242	–	–	–	–	–	–	–	–
Gibraltar	–	529	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	–	–	–
Guatemala	–	1	–	4	–	1,161	1,161	–	–	–
Honduras	–	349	–	1	–	532	532	–	–	–
Hong Kong	–	–	–	–	–	1	1	–	–	–
India	2,514	4,366	–	12	–	–	–	–	–	–
Indonesia	209	2,703	–	0	–	–	–	–	–	–
Ireland	2,718	–	–	–	–	0	0	1	–	1
Israel	–	0	–	–	–	0	0	–	–	–
Italy	3,022	–	–	0	–	–	–	–	–	–
Jamaica	–	107	–	–	–	164	164	–	–	–
Japan	–	15,961	–	328	–	0	0	–	–	–
Korea, South	10,800	6,867	–	0	–	0	0	0	0	0
Lebanon	–	–	–	–	–	–	–	–	–	–
Mexico	–	4,775	–	740	–	13,839	13,839	53	83	136
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	1,468	–	–	–	–	–	–	–	–
Mozambique	–	–	–	–	–	–	–	–	–	–
Netherlands	11,008	1,870	–	424	–	1	1	–	–	–
New Zealand	–	0	–	–	–	0	0	–	–	–
Nicaragua	274	–	–	0	–	52	52	–	–	–
Nigeria	–	218	–	–	–	–	–	–	–	–
Norway	1,217	1,561	–	271	–	–	–	–	–	–
Pakistan	–	–	–	–	–	–	–	–	–	–
Panama	1,983	190	–	300	–	547	547	–	–	–
Peru	–	141	–	0	–	874	874	–	0	0
Philippines	–	–	–	1	–	–	–	–	–	–
Portugal	–	265	–	–	–	–	–	–	–	–
Puerto Rico	–	3	–	2	–	1	1	–	–	–
Romania	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	13,074	1,220	–	0	–	0	0	0	–	0
South Africa	–	238	–	3	–	–	–	–	–	–
Spain	3,457	1,252	–	–	–	–	–	–	–	–
Switzerland	–	–	–	0	–	–	–	–	–	–
Taiwan	6,350	–	–	0	–	–	–	–	–	–
Thailand	3,120	–	–	1	–	–	–	–	–	–
Trinidad and Tobago	–	1	–	0	–	0	0	–	–	–
Turkiye	–	648	–	0	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	1	1	–	–	–
United Kingdom	9,036	413	–	225	–	1	1	–	–	–
Venezuela	–	0	–	449	–	–	–	–	–	–
Other	5,440	2,870	–	16	–	425	425	–	–	–
Total	**111,935**	**74,078**	**–**	**8,054**	**–**	**21,975**	**21,975**	**54**	**673**	**727**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, February 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	251	–	669	–	920	0	–
Australia	0	–	NA	NA	0	–	–	–	0	–	–
Bahamas	–	–	NA	NA	151	–	230	–	382	–	–
Bahrain	–	–	NA	NA	–	–	–	–	–	–	–
Belgium	0	–	NA	NA	–	–	–	–	–	–	–
Belize	–	–	NA	NA	4	34	–	–	38	–	–
Brazil	1	–	NA	NA	1,358	275	–	–	1,633	–	–
Canada	1,006	116	NA	NA	2	237	13	–	252	2	–
Cayman Islands	–	–	NA	NA	–	–	–	–	–	–	–
Chile	0	–	NA	NA	2,971	–	–	–	2,971	–	–
China	0	–	NA	NA	1	–	–	–	1	–	–
Colombia	31	–	NA	NA	328	–	–	–	328	0	–
Costa Rica	0	–	NA	NA	567	–	–	–	567	0	–
Denmark	–	–	NA	NA	–	–	–	–	–	–	–
Dominican Republic	–	–	NA	NA	821	–	20	–	841	–	–
Ecuador	–	–	NA	NA	2,152	284	–	–	2,436	–	–
Egypt	–	–	NA	NA	–	–	–	–	–	–	–
El Salvador	–	–	NA	NA	114	123	–	–	237	0	–
Finland	–	–	NA	NA	–	–	–	–	–	–	–
France	0	–	NA	NA	–	–	–	–	–	0	–
Germany	–	3	NA	NA	–	–	–	–	–	–	–
Ghana	–	–	NA	NA	–	–	–	–	–	–	–
Gibraltar	–	–	NA	NA	–	–	–	–	–	–	–
Greece	33	–	NA	NA	–	–	–	–	–	–	–
Guatemala	0	–	NA	NA	742	204	–	–	947	–	–
Honduras	–	–	NA	NA	75	400	–	–	475	–	–
Hong Kong	–	–	NA	NA	–	–	–	–	–	–	–
India	1	–	NA	NA	–	–	–	–	–	–	–
Indonesia	0	–	NA	NA	–	–	–	–	–	–	–
Ireland	–	–	NA	NA	–	–	–	–	–	–	–
Israel	1	–	NA	NA	–	–	–	–	–	–	–
Italy	0	–	NA	NA	–	–	–	–	–	–	–
Jamaica	150	–	NA	NA	20	–	–	–	20	–	–
Japan	0	–	NA	NA	–	–	–	–	–	–	–
Korea, South	245	–	NA	NA	1	–	–	–	1	–	–
Lebanon	–	–	NA	NA	–	–	–	–	–	–	–
Mexico	128	0	NA	NA	6,842	286	3	–	7,130	1	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	–	–	–	–	–	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	83	–	NA	NA	263	331	–	–	594	–	–
New Zealand	–	–	NA	NA	–	–	–	–	–	–	–
Nicaragua	–	–	NA	NA	194	49	–	–	243	20	–
Nigeria	135	–	NA	NA	–	–	–	–	–	–	–
Norway	–	–	NA	NA	–	–	–	–	–	–	–
Pakistan	–	–	NA	NA	–	–	–	–	–	–	–
Panama	–	–	NA	NA	1,418	122	25	–	1,565	0	–
Peru	99	13	NA	NA	1,737	–	–	–	1,737	0	–
Philippines	137	–	NA	NA	–	–	–	–	–	–	–
Portugal	–	–	NA	NA	–	–	–	–	–	–	–
Puerto Rico	4	–	NA	NA	142	–	–	–	142	–	–
Romania	0	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	–	–	NA	NA	–	–	–	–	–	–	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	25	–	NA	NA	0	–	443	–	443	–	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	33	–	NA	NA	–	–	–	–	–	–	–
Switzerland	2	–	NA	NA	–	–	–	–	–	–	–
Taiwan	0	–	NA	NA	–	–	–	–	–	–	–
Thailand	0	–	NA	NA	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	NA	NA	124	–	–	–	124	–	–
Turkiye	–	–	NA	NA	–	–	–	–	–	–	–
United Arab Emirates	121	–	NA	NA	–	–	–	–	–	1	–
United Kingdom	232	0	NA	NA	100	–	–	–	100	–	–
Venezuela	0	–	NA	NA	0	–	–	–	0	–	–
Other	16	–	NA	NA	773	100	570	–	1,442	0	–
Total	**2,483**	**132**	NA	NA	**21,151**	**2,445**	**1,973**	**–**	**25,569**	**23**	**–**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, February 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	–	–	–	–	–	71	0	–
Australia	–	–	–	–	–	–	1	55
Bahamas	–	92	–	206	–	–	–	–
Bahrain	–	–	–	–	–	–	–	116
Belgium	–	–	–	–	–	–	–	115
Belize	–	15	–	–	–	–	–	–
Brazil	–	–	–	138	–	–	4	1,312
Canada	–	625	–	521	–	2	93	330
Cayman Islands	–	12	–	–	–	–	–	–
Chile	–	350	–	300	–	–	0	–
China	–	–	–	2	–	–	5	4,091
Colombia	–	–	–	–	–	–	0	0
Costa Rica	–	132	–	–	–	–	–	182
Denmark	–	–	–	–	–	–	–	–
Dominican Republic	–	141	–	–	–	–	0	–
Ecuador	–	–	–	–	–	–	0	165
Egypt	–	–	–	0	–	177	–	–
El Salvador	–	34	–	–	–	–	0	–
Finland	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	0	–
Germany	–	–	–	–	–	–	2	–
Ghana	–	–	–	–	–	–	–	–
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	–
Guatemala	–	138	–	–	–	–	0	–
Honduras	–	61	–	–	–	–	0	–
Hong Kong	–	–	–	–	–	–	0	–
India	–	0	–	–	–	303	1	2,931
Indonesia	–	–	–	–	–	–	0	–
Ireland	–	–	–	–	–	–	–	–
Israel	–	333	–	–	–	–	0	–
Italy	–	–	–	–	–	115	0	466
Jamaica	–	110	–	101	–	–	0	–
Japan	–	–	–	1	–	–	1	1,028
Korea, South	–	–	–	285	–	–	1	0
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	1,762	–	639	–	58	20	1,937
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	–	438
Mozambique	–	–	–	–	–	–	–	–
Netherlands	–	–	–	455	–	–	1	11
New Zealand	–	–	–	–	–	–	0	99
Nicaragua	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Norway	–	–	–	–	–	–	0	77
Pakistan	–	–	–	–	–	–	–	–
Panama	–	506	–	507	–	–	–	–
Peru	–	206	–	0	–	–	0	0
Philippines	–	–	–	–	–	–	–	–
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	–	135	–	–	–	–	0	–
Romania	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	0	1
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	–	–	–	–	50	0	–
South Africa	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	0	108
Switzerland	–	–	–	–	–	–	–	–
Taiwan	–	–	–	–	–	–	0	–
Thailand	–	–	–	–	–	86	0	0
Trinidad and Tobago	–	–	–	–	–	–	–	0
Turkiye	–	–	–	1	–	–	–	511
United Arab Emirates	–	–	–	–	–	–	0	304
United Kingdom	–	–	–	–	–	–	0	–
Venezuela	–	0	–	–	–	–	–	–
Other	–	223	–	805	–	–	2	664
Total	**–**	**4,875**	**–**	**3,961**	**–**	**862**	**131**	**14,941**

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, February 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	72	64	–	1,303	1,303	–	47	47
Australia	–	6	0	621	1,345	26	22	48
Bahamas	2	2	0	1,223	1,223	–	44	44
Bahrain	–	0	–	116	116	–	4	4
Belgium	0	143	1	2,295	2,295	–	82	82
Belize	–	0	–	125	125	–	4	4
Brazil	0	259	0	5,260	6,110	30	188	218
Canada	83	230	10	14,097	23,704	343	503	847
Cayman Islands	0	1	–	21	21	–	1	1
Chile	0	27	0	6,196	6,916	26	221	247
China	1	7	1	14,396	26,757	441	514	956
Colombia	0	81	0	1,402	2,651	45	50	95
Costa Rica	38	15	–	1,365	1,365	–	49	49
Denmark	–	0	–	56	2,004	70	2	72
Dominican Republic	90	11	0	2,460	2,961	18	88	106
Ecuador	0	28	–	4,035	4,035	–	144	144
Egypt	–	0	–	1,949	1,949	–	70	70
El Salvador	–	6	–	822	822	–	29	29
Finland	–	1	–	1	724	26	0	26
France	–	1	–	440	6,099	202	16	218
Germany	3	2	0	127	3,499	120	5	125
Ghana	–	0	–	243	243	–	9	9
Gibraltar	–	–	–	529	529	–	19	19
Greece	–	1	–	34	34	–	1	1
Guatemala	–	9	–	2,259	2,259	–	81	81
Honduras	–	9	–	1,427	1,427	–	51	51
Hong Kong	–	1	–	2	2	–	0	0
India	1	43	0	7,657	10,171	90	273	363
Indonesia	0	1	0	2,705	2,914	7	97	104
Ireland	–	–	–	1	2,719	97	0	97
Israel	–	1	0	336	336	–	12	12
Italy	–	0	–	581	3,603	108	21	129
Jamaica	–	4	0	656	656	–	23	23
Japan	1	4	3	17,326	17,326	–	619	619
Korea, South	–	13	0	7,413	18,213	386	265	650
Lebanon	–	1	–	1	1	–	0	0
Mexico	152	947	33	32,296	32,296	–	1,153	1,153
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	1,906	1,906	–	68	68
Mozambique	–	–	–	–	–	–	–	–
Netherlands	1	2	0	3,441	14,449	393	123	516
New Zealand	–	0	–	100	100	–	4	4
Nicaragua	–	3	–	318	592	10	11	21
Nigeria	–	65	–	419	419	–	15	15
Norway	–	0	–	1,910	3,127	43	68	112
Pakistan	–	–	–	–	–	–	–	–
Panama	43	8	–	3,665	5,648	71	131	202
Peru	–	31	0	3,102	3,102	–	111	111
Philippines	–	1	0	139	139	–	5	5
Portugal	–	–	–	265	265	–	9	9
Puerto Rico	1	11	–	298	298	–	11	11
Romania	–	–	–	0	0	–	0	0
Saudi Arabia	–	10	–	11	11	–	0	0
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	1	0	1,740	14,814	467	62	529
South Africa	–	51	–	292	292	–	10	10
Spain	–	3	–	1,396	4,852	123	50	173
Switzerland	1	0	–	3	3	–	0	0
Taiwan	–	2	–	2	6,352	227	0	227
Thailand	1	7	0	96	3,216	111	3	115
Trinidad and Tobago	0	2	–	128	128	–	5	5
Turkiye	0	46	–	1,206	1,206	–	43	43
United Arab Emirates	2	91	–	519	519	–	19	19
United Kingdom	–	1	0	973	10,008	323	35	357
Venezuela	–	7	–	456	456	–	16	16
Other	10	36	4	6,500	11,941	195	232	425
Total	**502**	**2,296**	**52**	**160,661**	**272,596**	**3,998**	**5,738**	**9,736**

– – = 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-February 2023
(Thousand Barrels)

Destination	Crude Oil[1]	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	–	0	–	138	–	311	311	–	–	–
Australia	1,596	554	–	7	–	0	0	–	–	–
Bahamas	–	96	–	147	–	1,251	1,251	–	754	754
Bahrain	–	–	–	0	–	–	–	–	–	–
Belgium	–	4,022	–	347	–	–	–	–	–	–
Belize	–	63	–	–	–	47	47	–	–	–
Brazil	1,604	329	–	1,956	–	428	428	–	–	–
Canada	20,001	13,660	–	4,849	–	1,549	1,549	–	1,209	1,209
Cayman Islands	–	7	–	–	–	18	18	0	0	0
Chile	1,419	2,447	–	102	–	1,516	1,516	–	–	–
China	20,923	22,321	–	7	–	–	–	–	0	0
Colombia	2,476	124	–	1,535	–	1,500	1,500	–	–	–
Costa Rica	–	215	–	25	–	2,418	2,418	0	–	0
Denmark	3,898	–	–	56	–	–	–	–	–	–
Dominican Republic	1,002	1,843	–	186	–	1,177	1,177	0	0	0
Ecuador	–	2,104	–	311	–	940	940	–	–	–
Egypt	–	2,931	–	–	–	–	–	–	–	–
El Salvador	–	542	–	0	–	611	611	–	1	1
Finland	1,442	134	–	–	–	–	–	–	–	–
France	11,144	1,060	–	41	–	0	0	–	–	–
Germany	7,194	111	–	7	–	–	–	–	–	–
Ghana	–	242	–	0	–	–	–	–	–	–
Gibraltar	–	1,057	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	–	–	–
Guatemala	–	413	–	4	–	3,348	3,348	–	–	–
Honduras	–	964	–	10	–	1,364	1,364	–	1	1
Hong Kong	–	–	–	0	–	1	1	–	–	–
India	5,017	7,267	–	14	–	–	–	–	–	–
Indonesia	1,699	6,667	–	0	–	–	–	–	–	–
Ireland	3,987	–	–	–	–	0	0	1	–	1
Israel	746	1	–	3	–	0	0	–	–	–
Italy	7,888	1,335	–	0	–	–	–	–	–	–
Jamaica	–	205	–	–	–	264	264	0	–	0
Japan	1,025	33,091	–	329	–	0	0	1	–	1
Korea, South	21,983	9,929	–	1	–	1	1	0	1	2
Lebanon	–	–	–	–	–	0	0	–	–	–
Mexico	–	11,765	–	1,580	–	28,269	28,269	74	786	860
Montenegro	–	–	–	–	–	–	–	–	–	–
Morocco	–	3,643	–	–	–	–	–	–	–	–
Mozambique	–	–	–	–	–	–	–	–	–	–
Netherlands	25,904	4,120	–	439	–	1	1	–	–	–
New Zealand	–	0	–	0	–	0	0	–	–	–
Nicaragua	546	155	–	0	–	114	114	–	–	–
Nigeria	–	928	–	0	–	–	–	–	–	–
Norway	3,265	3,330	–	423	–	–	–	–	–	–
Pakistan	–	–	–	–	–	0	0	–	–	–
Panama	1,983	540	–	300	–	1,698	1,698	–	0	0
Peru	806	658	–	6	–	1,646	1,646	–	0	0
Philippines	–	–	–	1	–	–	–	–	–	–
Portugal	963	265	–	–	–	–	–	–	–	–
Puerto Rico	–	7	–	2	–	3	3	–	0	0
Romania	–	–	–	1	–	–	–	–	–	–
Saudi Arabia	–	–	–	1	–	–	–	–	–	–
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–	–	–
Singapore	22,224	1,259	–	7	–	134	134	0	–	0
South Africa	–	638	–	3	–	–	–	–	315	315
Spain	7,052	1,748	–	12	–	–	–	–	–	–
Switzerland	–	–	–	0	–	–	–	–	–	–
Taiwan	11,907	–	–	3	–	–	–	–	–	–
Thailand	3,370	–	–	2	–	–	–	–	–	–
Trinidad and Tobago	–	2	–	0	–	0	0	–	–	–
Turkiye	–	1,785	–	0	–	–	–	0	–	0
United Arab Emirates	–	1	–	0	–	2	2	0	–	0
United Kingdom	17,444	1,533	–	225	–	1	1	–	–	–
Venezuela	–	0	–	898	–	–	–	–	–	–
Other	10,358	7,483	–	193	–	764	764	1	1	1
Total	**220,866**	**153,594**	**–**	**14,171**	**–**	**49,376**	**49,376**	**77**	**3,068**	**3,145**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-February 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	1,298	–	968	–	2,266	0	–
Australia	0	–	NA	NA	0	–	–	–	0	–	–
Bahamas	0	–	NA	NA	319	–	430	–	749	–	–
Bahrain	1	–	NA	NA	–	–	–	–	–	–	–
Belgium	0	–	NA	NA	325	–	–	–	325	171	–
Belize	–	–	NA	NA	54	77	–	–	131	–	–
Brazil	1	–	NA	NA	3,378	275	–	–	3,653	295	–
Canada	2,139	193	NA	NA	2	435	81	–	519	5	–
Cayman Islands	–	–	NA	NA	93	–	–	–	93	–	–
Chile	0	–	NA	NA	5,218	–	–	–	5,218	0	–
China	3	–	NA	NA	3	–	–	–	3	–	–
Colombia	150	–	NA	NA	534	–	–	–	534	0	–
Costa Rica	0	–	NA	NA	1,384	–	–	–	1,384	0	–
Denmark	–	–	NA	NA	–	–	–	–	–	–	–
Dominican Republic	1	–	NA	NA	1,068	–	190	–	1,258	0	–
Ecuador	–	–	NA	NA	3,584	569	280	–	4,433	–	–
Egypt	–	–	NA	NA	0	–	–	–	0	–	–
El Salvador	0	–	NA	NA	117	590	–	–	707	0	–
Finland	16	–	NA	NA	–	–	–	–	–	–	–
France	0	–	NA	NA	–	–	–	–	–	0	–
Germany	0	4	NA	NA	–	–	–	–	–	–	–
Ghana	–	–	NA	NA	–	–	–	–	–	–	–
Gibraltar	–	–	NA	NA	–	–	–	–	–	–	–
Greece	33	–	NA	NA	–	–	–	–	–	–	–
Guatemala	0	–	NA	NA	1,350	1,016	103	–	2,469	0	–
Honduras	0	–	NA	NA	378	400	131	–	909	0	–
Hong Kong	–	–	NA	NA	–	–	–	–	–	–	–
India	202	–	NA	NA	130	–	0	–	130	–	–
Indonesia	0	0	NA	NA	–	–	–	–	–	–	–
Ireland	–	–	NA	NA	–	–	–	–	–	–	–
Israel	1	–	NA	NA	–	–	–	–	–	–	–
Italy	0	–	NA	NA	–	–	–	–	–	–	–
Jamaica	163	–	NA	NA	309	–	50	–	359	–	–
Japan	0	–	NA	NA	0	–	–	–	0	–	–
Korea, South	590	–	NA	NA	1	–	–	–	1	–	–
Lebanon	–	–	NA	NA	–	–	–	–	–	–	–
Mexico	242	0	NA	NA	16,217	421	6	–	16,644	1	–
Montenegro	–	–	NA	NA	–	–	–	–	–	–	–
Morocco	–	–	NA	NA	–	–	–	–	–	–	–
Mozambique	–	–	NA	NA	–	–	–	–	–	–	–
Netherlands	257	–	NA	NA	1,167	331	–	–	1,498	–	–
New Zealand	–	–	NA	NA	–	–	–	–	–	–	–
Nicaragua	–	–	NA	NA	323	173	–	–	496	40	–
Nigeria	135	–	NA	NA	0	–	–	–	0	–	–
Norway	33	1	NA	NA	148	–	–	–	148	–	–
Pakistan	–	–	NA	NA	–	–	–	–	–	–	–
Panama	–	–	NA	NA	2,338	504	52	–	2,894	1	–
Peru	157	23	NA	NA	3,341	–	–	–	3,341	0	–
Philippines	137	–	NA	NA	–	–	–	–	–	0	–
Portugal	–	–	NA	NA	–	–	–	–	–	–	–
Puerto Rico	8	–	NA	NA	294	–	–	–	294	–	–
Romania	0	–	NA	NA	–	–	–	–	–	–	–
Saudi Arabia	80	–	NA	NA	–	–	–	–	–	0	–
Serbia (Excludes Kosovo)	–	–	NA	NA	–	–	–	–	–	–	–
Singapore	25	2	NA	NA	268	123	926	–	1,317	–	–
South Africa	–	–	NA	NA	–	–	–	–	–	–	–
Spain	59	–	NA	NA	–	–	–	–	–	–	–
Switzerland	4	–	NA	NA	–	–	–	–	–	–	–
Taiwan	1	–	NA	NA	0	–	–	–	0	–	–
Thailand	0	–	NA	NA	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	NA	NA	243	–	–	–	243	–	–
Turkiye	–	–	NA	NA	–	–	–	–	–	–	–
United Arab Emirates	121	–	NA	NA	0	–	–	–	0	1	–
United Kingdom	657	0	NA	NA	100	–	–	–	100	–	–
Venezuela	0	–	NA	NA	2	–	–	–	2	–	–
Other	79	–	NA	NA	1,280	517	791	–	2,587	1	–
Total	**5,295**	**223**	NA	NA	**45,266**	**5,431**	**4,008**	**–**	**54,705**	**515**	**–**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-February 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	–	–	–	–	–	71	0	–
Australia	–	–	–	–	–	–	2	211
Bahamas	–	174	–	901	–	–	–	–
Bahrain	–	–	–	–	–	–	–	116
Belgium	–	–	–	–	–	–	–	357
Belize	–	15	–	–	–	–	–	–
Brazil	–	309	–	268	–	–	4	3,115
Canada	–	1,957	–	616	–	2	191	1,366
Cayman Islands	–	72	–	–	–	–	–	–
Chile	–	700	–	890	–	–	0	0
China	–	–	–	5	–	–	7	7,437
Colombia	–	–	–	–	–	–	0	0
Costa Rica	–	372	–	114	–	–	0	182
Denmark	–	–	–	–	–	–	–	–
Dominican Republic	–	315	–	310	–	–	0	213
Ecuador	–	–	–	–	–	–	0	365
Egypt	–	–	–	0	–	177	–	275
El Salvador	–	66	–	–	–	–	0	275
Finland	–	–	–	–	–	–	–	–
France	–	–	–	270	–	–	0	179
Germany	–	–	–	–	–	–	4	0
Ghana	–	–	–	–	–	–	–	46
Gibraltar	–	–	–	–	–	–	–	–
Greece	–	–	–	–	–	–	–	416
Guatemala	–	372	–	–	–	–	0	736
Honduras	–	104	–	–	–	–	0	291
Hong Kong	–	–	–	–	–	–	0	598
India	–	0	–	0	–	303	1	5,693
Indonesia	–	–	–	–	–	–	0	–
Ireland	–	–	–	–	–	–	–	0
Israel	–	334	–	–	–	–	0	325
Italy	–	–	–	–	–	115	0	1,228
Jamaica	–	380	–	101	–	–	0	–
Japan	–	–	–	1	–	–	1	2,091
Korea, South	–	–	–	285	–	–	1	292
Lebanon	–	–	–	–	–	–	–	–
Mexico	–	3,478	–	678	–	58	36	2,694
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	–	–	–	–	–	–	1,135
Mozambique	–	–	–	–	–	–	–	149
Netherlands	–	–	–	587	–	–	2	212
New Zealand	–	–	–	–	–	–	0	99
Nicaragua	–	0	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	0	–
Norway	–	–	–	–	–	–	0	203
Pakistan	–	–	–	–	–	–	–	–
Panama	–	956	–	938	–	–	0	–
Peru	–	402	–	0	–	–	0	0
Philippines	–	–	–	–	–	–	0	269
Portugal	–	–	–	–	–	–	0	–
Puerto Rico	–	136	–	–	–	–	0	–
Romania	–	–	–	–	–	–	–	138
Saudi Arabia	–	–	–	–	–	–	0	1
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	–	10	–	–	–	50	0	–
South Africa	–	–	–	0	–	–	–	143
Spain	–	–	–	–	–	–	1	572
Switzerland	–	–	–	–	–	–	0	–
Taiwan	–	–	–	–	–	–	0	–
Thailand	–	–	–	0	–	86	0	0
Trinidad and Tobago	–	–	–	–	–	–	–	0
Turkiye	–	–	–	1	–	–	0	1,582
United Arab Emirates	–	–	–	–	–	–	0	304
United Kingdom	–	–	–	0	–	–	0	200
Venezuela	–	0	–	–	–	–	–	–
Other	–	989	–	1,212	–	–	6	1,584
Total	**–**	**11,141**	**–**	**7,177**	**–**	**862**	**256**	**35,092**

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-February 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	72	75	24	2,958	2,958	–	50	50
Australia	0	10	0	785	2,381	27	13	40
Bahamas	4	6	1	4,085	4,085	–	69	69
Bahrain	0	0	–	117	117	–	2	2
Belgium	1	600	2	5,825	5,825	–	99	99
Belize	–	1	–	257	257	–	4	4
Brazil	0	624	1	10,983	12,587	27	186	213
Canada	264	489	17	29,025	49,026	339	492	831
Cayman Islands	1	2	–	194	194	–	3	3
Chile	82	80	0	11,037	12,456	24	187	211
China	5	17	2	29,806	50,729	355	505	860
Colombia	0	174	0	4,018	6,494	42	68	110
Costa Rica	77	31	–	4,819	4,819	–	82	82
Denmark	–	0	–	56	3,954	66	1	67
Dominican Republic	90	37	0	5,430	6,432	17	92	109
Ecuador	0	75	9	8,239	8,239	–	140	140
Egypt	–	0	–	3,383	3,383	–	57	57
El Salvador	–	59	–	2,262	2,262	–	38	38
Finland	–	1	–	151	1,593	24	3	27
France	–	70	–	1,620	12,764	189	27	216
Germany	7	4	0	138	7,332	122	2	124
Ghana	–	0	–	289	289	–	5	5
Gibraltar	–	–	–	1,057	1,057	–	18	18
Greece	–	1	–	450	450	–	8	8
Guatemala	–	23	23	7,388	7,388	–	125	125
Honduras	34	15	–	3,692	3,692	–	63	63
Hong Kong	–	1	0	600	600	–	10	10
India	1	88	0	13,700	18,717	85	232	317
Indonesia	1	2	0	6,671	8,370	29	113	142
Ireland	–	–	–	1	3,988	68	0	68
Israel	–	38	0	702	1,448	13	12	25
Italy	–	0	0	2,678	10,566	134	45	179
Jamaica	–	7	0	1,479	1,479	–	25	25
Japan	2	19	7	35,543	36,569	17	602	620
Korea, South	–	27	1	11,129	33,113	373	189	561
Lebanon	–	2	–	2	2	–	0	0
Mexico	230	1,794	59	68,387	68,387	–	1,159	1,159
Montenegro	–	–	–	–	–	–	–	–
Morocco	–	0	–	4,777	4,777	–	81	81
Mozambique	–	–	–	149	149	–	3	3
Netherlands	2	88	0	7,205	33,110	439	122	561
New Zealand	173	1	–	274	274	–	5	5
Nicaragua	–	5	–	811	1,357	9	14	23
Nigeria	182	66	–	1,310	1,310	–	22	22
Norway	–	1	–	4,139	7,404	55	70	125
Pakistan	–	–	–	0	0	–	0	0
Panama	43	28	–	7,398	9,381	34	125	159
Peru	–	76	0	6,310	7,116	14	107	121
Philippines	–	1	0	409	409	–	7	7
Portugal	–	–	–	265	1,229	16	4	21
Puerto Rico	1	23	–	473	473	–	8	8
Romania	–	0	–	139	139	–	2	2
Saudi Arabia	–	17	–	99	99	–	2	2
Serbia (Excludes Kosovo)	–	–	–	–	–	–	–	–
Singapore	0	15	0	2,820	25,044	377	48	424
South Africa	–	110	–	1,209	1,209	–	20	20
Spain	–	5	–	2,396	9,448	120	41	160
Switzerland	1	0	–	5	5	–	0	0
Taiwan	–	4	0	8	11,914	202	0	202
Thailand	2	11	0	101	3,471	57	2	59
Trinidad and Tobago	0	5	–	250	250	–	4	4
Turkiye	1	46	–	3,416	3,416	–	58	58
United Arab Emirates	2	112	–	544	544	–	9	9
United Kingdom	–	4	0	2,722	20,165	296	46	342
Venezuela	–	16	–	916	916	–	16	16
Other	40	70	7	14,998	25,354	173	256	431
Total	**1,318**	**5,076**	**153**	**342,099**	**562,965**	**3,743**	**5,798**	**9,542**

– – = 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, February 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	**1,017**	**3**	**–**	**245**	**–**	**0**	**0**	**–**	**10**	**10**
Algeria	22	–	–	18	–	–	–	–	–	–
Angola	9	–	–	–	–	–	–	–	10	10
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	11	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	298	–	–	130	–	–	–	–	–	–
Kuwait	18	–	–	21	–	0	0	–	0	0
Libya	56	–	–	–	–	–	–	–	–	–
Nigeria	168	-8	–	–	–	–	–	–	–	–
Saudi Arabia	388	–	–	93	–	–	–	–	–	–
United Arab Emirates	–	–	–	–	–	0	0	–	–	–
Venezuela	58	0	–	-16	–	–	–	–	–	–
Non-OPEC	**1,581**	**-2,438**	**21**	**23**	**–**	**-709**	**-709**	**153**	**364**	**516**
Argentina	24	0	–	4	–	-2	-2	–	1	1
Aruba	–	0	–	–	–	-2	-2	–	–	–
Australia	-26	-20	–	0	–	0	0	–	–	–
Bahamas	–	-2	–	-5	–	-12	-12	–	0	0
Bahrain	–	–	–	0	–	–	–	–	–	–
Belgium	–	-61	–	-12	–	11	11	–	–	–
Brazil	111	-2	–	-26	–	-15	-15	–	3	3
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–
Canada	3,715	-38	21	-76	–	-33	-33	74	40	114
Chad	–	–	–	–	–	–	–	–	–	–
China	-441	-367	–	0	–	–	–	–	–	–
Colombia	156	-2	–	-20	–	-11	-11	–	2	2
Denmark	-70	–	–	-2	–	–	–	–	–	–
Dominican Republic	-18	-22	–	-5	–	-23	-23	0	0	0
Ecuador	138	-38	–	7	–	-12	-12	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	-26	–	–	–	–	12	12	–	9	9
France	-202	-15	–	2	–	14	14	–	9	9
Germany	-120	-4	–	0	–	–	–	–	1	1
Guatemala	–	0	–	0	–	-41	-41	–	–	–
Honduras	–	-12	–	0	–	-19	-19	–	–	–
India	-90	-156	–	42	–	1	1	–	61	61
Indonesia	-7	-97	–	5	–	–	–	–	–	–
Italy	-108	–	–	0	–	0	0	6	34	40
Japan	–	-570	–	-10	–	0	0	–	1	1
Korea, South	-386	-245	–	0	–	11	11	0	21	21
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-26	–	–	–	–	–	–	0	–	0
Malaysia	-22	–	–	63	–	–	–	–	–	–
Mexico	790	-171	–	61	–	-494	-494	-2	5	3
Netherlands	-393	-67	–	-1	–	3	3	27	52	78
Norway	-39	-56	–	-10	–	6	6	–	12	12
Oman	–	–	–	–	–	–	–	–	–	–
Panama	-71	-7	–	-11	–	-20	-20	–	–	–
Portugal	–	-9	–	–	–	–	–	–	19	19
Puerto Rico	–	0	–	0	–	0	0	–	–	–
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	0	–	–	–	–	–	–
Spain	-123	-45	–	–	–	–	–	–	45	45
Sweden	-29	-43	–	–	–	3	3	–	–	–
Trinidad and Tobago	–	1	–	0	–	0	0	–	–	–
United Kingdom	-276	-15	–	-8	–	1	1	48	12	60
Vietnam	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	-7	–	–	–	-13	-13	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	-880	-368	0	25	–	-74	-74	0	37	37
Total	**2,598**	**-2,435**	**21**	**268**	**–**	**-709**	**-709**	**153**	**373**	**526**
Persian Gulf[5]	**704**	**–**	**–**	**243**	**–**	**0**	**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, February 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	**-9**	**–**	**–**	**–**	**27**	**–**	**–**	**–**	**27**	**0**	**–**
Algeria	–	–	–	–	0	–	–	–	0	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	-5	–	–	–	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	27	–	–	–	27	–	–
United Arab Emirates	-4	–	–	–	–	–	–	–	–	0	–
Venezuela	0	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-80**	**29**	**20**	**–**	**-483**	**-87**	**-70**	**–**	**-640**	**-1**	**1**
Argentina	–	–	–	–	-9	–	-24	–	-33	0	–
Aruba	–	–	–	–	-1	–	–	–	-1	0	–
Australia	0	–	–	–	0	–	–	–	0	–	–
Bahamas	–	–	–	–	-5	–	-8	–	-14	–	–
Bahrain	–	–	–	–	–	–	–	–	–	–	–
Belgium	0	–	–	–	–	–	–	–	–	–	–
Brazil	0	–	–	–	-49	-10	–	–	-58	–	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	-36	5	–	–	168	-8	0	–	160	0	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	–	–	–	0	–	–	–	0	–	–
Colombia	-1	–	–	–	0	–	–	–	0	0	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Dominican Republic	–	–	–	–	-29	–	-1	–	-30	–	–
Ecuador	–	–	–	–	-77	-10	–	–	-87	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–
France	0	–	–	–	–	–	–	–	–	0	–
Germany	–	15	–	–	–	–	–	–	–	–	–
Guatemala	0	–	–	–	-27	-7	–	–	-34	–	–
Honduras	–	–	–	–	-3	-14	–	–	-17	–	–
India	0	–	–	–	45	–	–	–	45	–	–
Indonesia	0	–	–	–	–	–	–	–	–	–	–
Italy	0	5	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	–	–	–	–	–	–	–
Korea, South	-9	1	–	–	13	–	–	–	13	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-5	0	–	–	-244	-10	0	–	-255	0	–
Netherlands	-3	–	2	–	-9	-12	–	–	-21	–	1
Norway	–	–	–	–	–	–	–	–	–	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Panama	–	–	–	–	-51	-4	-1	–	-56	0	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	0	–	–	–	-5	–	–	–	-5	–	–
Qatar	–	–	–	–	12	–	–	–	12	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	-1	4	–	–	–	–	–	–	–	–	–
Sweden	–	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	-4	–	–	–	-4	–	–
United Kingdom	-8	0	–	–	-4	–	–	–	-4	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-11	–	-16	–	-27	0	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-17	-1	18	–	-193	-12	-20	–	-224	-1	0
Total	**-89**	**29**	**20**	**–**	**-456**	**-87**	**-70**	**–**	**-613**	**-1**	**1**
Persian Gulf[5]	**-4**	**–**	**–**	**–**	**38**	**–**	**–**	**–**	**38**	**0**	**–**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, February 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	**–**	**36**	**–**	**28**	**–**	**–**	**0**	**-11**
Algeria	–	–	–	20	–	–	–	–
Angola	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	–	–	7	–	–	–	–
Kuwait	–	28	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–
Nigeria	–	–	–	–	–	–	–	–
Saudi Arabia	–	5	–	–	–	–	0	0
United Arab Emirates	–	3	–	–	–	–	0	-11
Venezuela	–	0	–	–	–	–	–	–
Non-OPEC	**–**	**-22**	**7**	**33**	**9**	**-23**	**-1**	**-513**
Argentina	–	–	–	–	–	-1	0	3
Aruba	–	–	–	–	–	–	–	–
Australia	–	–	–	–	–	–	0	-2
Bahamas	–	-3	–	-7	–	–	–	–
Bahrain	–	–	–	–	–	–	–	-4
Belgium	–	–	–	2	–	–	–	-4
Brazil	–	–	–	11	–	–	0	-47
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–
Canada	–	-14	1	-12	3	3	-1	-11
Chad	–	–	–	–	–	–	–	–
China	–	22	–	0	–	–	0	-146
Colombia	–	–	–	5	–	–	0	0
Denmark	–	–	–	1	–	–	–	–
Dominican Republic	–	-5	–	–	–	–	0	–
Ecuador	–	–	–	–	–	–	0	-6
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	–	–	–	–	–
France	–	–	–	–	–	–	0	–
Germany	–	–	–	2	–	–	0	–
Guatemala	–	-5	–	–	–	–	0	–
Honduras	–	-2	–	–	–	–	0	–
India	–	28	–	–	–	-11	0	-105
Indonesia	–	–	–	–	–	–	0	–
Italy	–	–	–	–	–	-4	0	-17
Japan	–	15	–	0	–	–	0	-37
Korea, South	–	64	5	-10	2	–	0	0
Latvia	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–
Malaysia	–	–	–	2	–	–	0	–
Mexico	–	-63	–	44	1	1	-1	-69
Netherlands	–	–	–	-3	–	–	0	0
Norway	–	1	–	–	–	–	0	-3
Oman	–	–	–	–	–	–	–	-2
Panama	–	-18	–	-18	–	–	–	–
Portugal	–	–	–	–	–	–	–	–
Puerto Rico	–	-5	–	–	–	–	0	–
Qatar	–	–	–	–	0	–	–	-4
Russia	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	0	-4
Sweden	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	0
United Kingdom	–	–	–	11	–	–	0	–
Vietnam	–	–	–	–	–	–	0	–
Virgin Islands, U.S.	–	-4	–	-22	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-33	1	27	3	-11	1	-55
Total	**–**	**14**	**7**	**61**	**9**	**-23**	**-1**	**-524**
Persian Gulf[5]	**–**	**36**	**–**	**7**	**0**	**–**	**0**	**-19**

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, February 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**	**-5**	**–**	**324**	**1,341**
Algeria	–	–	–	38	61
Angola	–	–	–	10	18
Congo (Brazzaville)	–	–	–	–	1
Equatorial Guinea	–	0	–	11	11
Gabon	–	–	–	–	–
Iran	–	–	–	–	–
Iraq	0	0	–	136	434
Kuwait	–	0	–	49	67
Libya	–	0	–	0	56
Nigeria	–	-2	–	-15	153
Saudi Arabia	–	0	–	124	512
United Arab Emirates	0	-2	–	-14	-14
Venezuela	–	0	–	-16	42
Non-OPEC	**32**	**-26**	**-2**	**-3,765**	**-2,184**
Argentina	-3	-2	–	-33	-9
Aruba	–	0	–	-3	-3
Australia	–	0	0	-22	-48
Bahamas	0	0	0	-43	-43
Bahrain	–	5	–	1	1
Belgium	0	-5	0	-69	-69
Brazil	0	-9	0	-145	-34
Brunei	–	0	–	0	0
Cameroon	–	–	–	–	–
Canada	47	3	0	136	3,852
Chad	–	–	–	–	–
China	0	0	0	-492	-934
Colombia	0	-3	0	-30	126
Denmark	–	0	–	-1	-70
Dominican Republic	-3	0	0	-88	-106
Ecuador	0	-1	–	-137	2
Estonia	–	–	–	–	–
Finland	–	0	–	21	-4
France	–	0	–	10	-192
Germany	0	0	0	14	-107
Guatemala	–	0	–	-81	-81
Honduras	–	0	–	-51	-51
India	0	-2	0	-96	-186
Indonesia	0	5	0	-86	-94
Italy	–	0	–	25	-83
Japan	0	0	0	-601	-601
Korea, South	–	12	0	-135	-520
Latvia	–	0	–	0	0
Lithuania	–	0	–	0	-26
Malaysia	0	0	0	65	43
Mexico	-5	-34	-1	-986	-196
Netherlands	0	2	0	-9	-402
Norway	–	0	–	-49	-89
Oman	–	0	–	-2	-2
Panama	-2	0	–	-131	-202
Portugal	–	–	–	10	10
Puerto Rico	0	0	–	-11	-11
Qatar	–	12	–	21	21
Russia	–	0	–	0	0
Spain	–	0	–	-1	-124
Sweden	–	0	–	-41	-70
Trinidad and Tobago	0	0	–	-3	-3
United Kingdom	–	0	0	36	-239
Vietnam	–	0	–	0	0
Virgin Islands, U.S.	0	0	–	-72	-72
Yemen	–	–	–	–	–
Other	-2	-9	-1	-686	-1,568
Total	**32**	**-31**	**-2**	**-3,442**	**-843**
Persian Gulf[5]	**0**	**15**	**–**	**316**	**1,020**

– – = 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-February 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	**1,006**	**-6**	**–**	**215**	**–**	**0**	**0**	**0**	**10**	**10**
Algeria	21	–	–	19	–	–	–	–	–	–
Angola	4	–	–	–	–	–	–	–	5	5
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	9	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–
Iraq	274	–	–	118	–	–	–	–	–	–
Kuwait	15	–	–	10	–	0	0	–	0	0
Libya	58	–	–	–	–	–	–	–	–	–
Nigeria	176	-16	–	0	–	–	–	–	5	5
Saudi Arabia	408	–	–	76	–	–	–	–	–	–
United Arab Emirates	–	0	–	6	–	0	0	0	–	0
Venezuela	49	0	–	-15	–	–	–	–	–	–
Non-OPEC	**1,679**	**-2,387**	**19**	**85**	**–**	**-744**	**-744**	**147**	**309**	**456**
Argentina	44	0	–	2	–	-5	-5	–	9	9
Aruba	–	0	–	0	–	-1	-1	–	–	–
Australia	-27	-9	–	0	–	0	0	–	–	–
Bahamas	–	-2	–	-2	–	10	10	2	-7	-6
Bahrain	–	–	–	0	–	–	–	–	–	–
Belgium	–	-68	–	6	–	5	5	–	6	6
Brazil	93	-6	–	-12	–	-7	-7	–	1	1
Brunei	–	–	–	–	–	–	–	–	–	–
Cameroon	10	–	–	–	–	–	–	–	–	–
Canada	3,623	-33	19	-77	–	-16	-16	74	46	121
Chad	–	–	–	–	–	–	–	–	–	–
China	-355	-378	–	0	–	–	–	–	0	0
Colombia	142	-2	–	-25	–	-25	-25	–	1	1
Denmark	-66	–	–	-1	–	–	–	–	–	–
Dominican Republic	-17	-31	–	-3	–	-20	-20	0	0	0
Ecuador	139	-36	–	16	–	-16	-16	–	–	–
Estonia	–	–	–	–	–	–	–	–	–	–
Finland	-24	-2	–	–	–	6	6	–	10	10
France	-189	-18	–	0	–	14	14	5	8	13
Germany	-122	-2	–	0	–	–	–	–	1	1
Guatemala	–	-7	–	0	–	-57	-57	–	–	–
Honduras	–	-16	–	0	–	-23	-23	–	0	0
India	-85	-123	–	33	–	1	1	–	51	51
Indonesia	-29	-113	–	2	–	–	–	–	–	–
Italy	-134	-23	–	8	–	0	0	5	53	58
Japan	-17	-561	–	-5	–	0	0	0	1	1
Korea, South	-373	-168	–	0	–	7	7	0	13	13
Latvia	–	–	–	–	–	–	–	–	–	–
Lithuania	-25	–	–	–	–	–	–	0	–	0
Malaysia	-10	–	–	30	–	–	–	–	–	–
Mexico	751	-199	–	81	–	-479	-479	-1	-9	-11
Netherlands	-439	-70	–	6	–	2	2	23	34	57
Norway	-53	-56	–	-7	–	8	8	–	17	17
Oman	–	–	–	0	–	–	–	–	–	–
Panama	-34	-9	–	-5	–	-29	-29	–	0	0
Portugal	-16	-4	–	–	–	–	–	–	24	24
Puerto Rico	–	0	–	0	–	0	0	–	0	0
Qatar	–	–	–	–	–	–	–	–	–	–
Russia	–	–	–	0	–	–	–	–	–	–
Spain	-120	-30	–	5	–	–	–	–	31	31
Sweden	-55	-68	–	1	–	5	5	–	1	1
Trinidad and Tobago	15	2	–	0	–	0	0	–	–	–
United Kingdom	-245	-26	–	8	–	0	0	39	6	45
Vietnam	–	0	–	0	–	–	–	–	–	–
Virgin Islands, U.S.	–	-6	–	-1	–	-11	-11	–	–	–
Yemen	–	–	–	–	–	–	–	–	–	–
Other	-703	-323	0	25	–	-113	-113	0	12	13
Total	**2,685**	**-2,393**	**19**	**300**	**–**	**-744**	**-744**	**147**	**319**	**466**
Persian Gulf[5]	**697**	**0**	**–**	**211**	**–**	**0**	**0**	**0**	**0**	**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-February 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	**-6**	**–**	**–**	**–**	**14**	**–**	**–**	**–**	**14**	**0**	**–**
Algeria	–	–	–	–	0	–	–	–	0	–	–
Angola	–	–	–	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–	–
Kuwait	0	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–	–
Nigeria	-2	–	–	–	0	–	–	–	0	–	–
Saudi Arabia	-1	–	–	–	13	–	–	–	13	0	–
United Arab Emirates	-2	–	–	–	1	–	–	–	1	0	–
Venezuela	0	–	–	–	0	–	–	–	0	–	–
Non-OPEC	**-84**	**28**	**20**	**–**	**-497**	**-92**	**-65**	**–**	**-654**	**0**	**0**
Argentina	–	–	–	–	-22	–	-16	–	-38	0	–
Aruba	0	–	–	–	-1	–	–	–	-1	0	–
Australia	0	–	–	–	0	–	–	–	0	–	–
Bahamas	0	–	–	–	-5	–	-7	–	-13	–	–
Bahrain	0	–	–	–	–	–	–	–	–	–	–
Belgium	0	–	–	–	-4	–	–	–	-4	-3	–
Brazil	0	–	–	–	-57	-5	–	–	-62	-5	–
Brunei	–	–	–	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–
Canada	-36	5	–	–	167	-7	-1	–	158	0	0
Chad	–	–	–	–	–	–	–	–	–	–	–
China	0	–	–	–	0	–	–	–	0	–	–
Colombia	-3	–	–	–	-4	–	–	–	-4	0	–
Denmark	–	–	–	–	–	–	–	–	–	–	–
Dominican Republic	0	–	–	–	-18	–	-3	–	-21	0	–
Ecuador	–	–	–	–	-61	-10	-5	–	-75	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–
Finland	0	–	–	–	–	–	–	–	–	–	–
France	0	–	–	–	–	–	–	–	–	0	–
Germany	0	14	–	–	–	–	–	–	–	–	–
Guatemala	0	–	–	–	-23	-17	-2	–	-42	0	–
Honduras	0	–	–	–	-6	-7	-2	–	-15	0	–
India	-3	–	–	–	50	–	0	–	50	9	–
Indonesia	0	0	–	–	–	–	–	–	–	–	–
Italy	0	4	–	–	–	–	–	–	–	–	–
Japan	0	–	–	–	0	–	–	–	0	–	–
Korea, South	-10	1	–	–	7	–	–	–	7	–	–
Latvia	–	–	–	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–
Malaysia	0	–	–	–	–	–	–	–	–	–	–
Mexico	-4	0	–	–	-270	-7	0	–	-277	0	–
Netherlands	-4	–	1	–	-19	-6	2	–	-22	–	0
Norway	-1	0	–	–	-3	–	0	–	-2	–	–
Oman	–	–	–	–	–	–	–	–	–	–	–
Panama	–	–	–	–	-40	-9	-1	–	-49	0	–
Portugal	–	–	–	–	–	–	–	–	–	–	–
Puerto Rico	0	–	–	–	-5	–	–	–	-5	–	–
Qatar	–	–	–	–	19	–	–	–	19	–	–
Russia	–	–	–	–	–	–	–	–	–	–	–
Spain	-1	4	–	–	–	–	–	–	–	–	–
Sweden	-1	–	–	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	-4	–	–	–	-4	–	–
United Kingdom	-11	0	–	–	-2	–	–	–	-2	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	–
Virgin Islands, U.S.	–	–	–	–	-8	–	-10	–	-18	0	–
Yemen	–	–	–	–	–	–	–	–	–	–	–
Other	-10	0	19	–	-188	-24	-20	–	-234	-1	0
Total	**-90**	**28**	**20**	**–**	**-483**	**-92**	**-65**	**–**	**-641**	**0**	**0**
Persian Gulf[5]	**-3**	**–**	**–**	**–**	**32**	**–**	**–**	**–**	**32**	**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-February 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	**–**	**28**	**–**	**25**	**–**	**–**	**0**	**-9**
Algeria	–	–	–	10	–	–	–	–
Angola	–	–	–	–	–	–	–	–
Congo (Brazzaville)	–	–	–	–	–	–	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–
Gabon	–	–	–	–	–	–	–	–
Iran	–	–	–	–	–	–	–	–
Iraq	–	0	–	8	–	–	–	–
Kuwait	–	23	–	–	–	–	–	-3
Libya	–	–	–	–	–	–	0	–
Nigeria	–	–	–	–	–	–	0	–
Saudi Arabia	–	2	–	5	–	–	0	0
United Arab Emirates	–	3	–	–	–	–	0	-5
Venezuela	–	0	–	–	–	–	–	–
Non-OPEC	**–**	**-67**	**13**	**36**	**9**	**-8**	**-1**	**-573**
Argentina	–	–	–	–	–	0	0	4
Aruba	–	-1	–	–	–	–	–	–
Australia	–	–	–	–	–	–	0	-4
Bahamas	–	-3	–	-15	–	–	–	–
Bahrain	–	–	–	–	–	–	–	-2
Belgium	–	–	–	5	–	–	–	-6
Brazil	–	-5	–	7	–	–	0	-53
Brunei	–	–	–	–	–	–	–	–
Cameroon	–	–	–	–	–	–	–	–
Canada	–	-26	2	0	3	3	0	-23
Chad	–	–	–	–	–	–	–	–
China	–	10	–	0	–	–	0	-126
Colombia	–	–	–	16	–	–	0	3
Denmark	–	–	–	1	–	–	–	–
Dominican Republic	–	-5	–	-5	–	–	0	-4
Ecuador	–	–	–	2	–	–	0	-6
Estonia	–	–	–	–	–	–	–	–
Finland	–	–	–	0	–	–	–	–
France	–	–	–	-5	–	–	0	-3
Germany	–	–	0	1	–	–	0	0
Guatemala	–	-6	–	–	–	–	0	-12
Honduras	–	-2	–	–	–	–	0	-5
India	–	17	–	4	–	-5	0	-96
Indonesia	–	–	–	–	–	–	0	–
Italy	–	–	–	–	2	-2	0	-21
Japan	–	7	–	0	–	–	0	-35
Korea, South	–	67	9	-5	1	–	0	-5
Latvia	–	–	–	–	–	–	–	–
Lithuania	–	–	–	–	–	–	0	–
Malaysia	–	0	–	1	–	–	0	0
Mexico	–	-59	–	41	2	2	-1	-46
Netherlands	–	–	1	-3	–	–	0	-1
Norway	–	0	–	–	–	–	0	-3
Oman	–	–	–	–	–	–	–	-1
Panama	–	-16	–	-16	–	–	0	–
Portugal	–	–	–	–	–	–	0	–
Puerto Rico	–	-2	–	–	–	–	0	–
Qatar	–	–	–	–	0	–	–	-2
Russia	–	–	–	–	–	–	–	–
Spain	–	–	–	–	–	–	0	-10
Sweden	–	–	–	–	–	–	–	–
Trinidad and Tobago	–	–	–	–	–	–	–	0
United Kingdom	–	–	–	5	–	–	0	-3
Vietnam	–	0	–	–	–	–	0	–
Virgin Islands, U.S.	–	-11	–	-16	–	–	–	–
Yemen	–	–	–	–	–	–	–	–
Other	–	-32	1	18	1	-6	0	-113
Total	**–**	**-39**	**13**	**61**	**9**	**-8**	**-1**	**-582**
Persian Gulf[5]	**–**	**28**	**–**	**13**	**0**	**–**	**0**	**-12**

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-February 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	**-3**	**1**	**–**	**268**	**1,274**
Algeria	–	–	–	29	50
Angola	–	–	–	5	9
Congo (Brazzaville)	–	–	–	–	2
Equatorial Guinea	–	0	–	9	9
Gabon	–	–	–	–	–
Iran	–	–	–	–	–
Iraq	0	0	–	127	401
Kuwait	–	0	–	30	44
Libya	–	0	–	0	58
Nigeria	-3	-1	–	-17	159
Saudi Arabia	–	0	–	94	503
United Arab Emirates	0	3	–	5	5
Venezuela	–	0	–	-16	33
Non-OPEC	**34**	**-42**	**-3**	**-3,861**	**-2,181**
Argentina	-1	-1	0	-32	12
Aruba	–	0	–	-3	-3
Australia	0	0	0	-13	-40
Bahamas	0	0	0	-30	-30
Bahrain	0	2	–	0	0
Belgium	0	-10	0	-70	-70
Brazil	0	-11	0	-153	-60
Brunei	–	0	–	0	0
Cameroon	–	0	–	0	10
Canada	46	2	0	148	3,771
Chad	–	0	–	0	0
China	0	0	0	-495	-849
Colombia	1	-3	0	-40	102
Denmark	–	0	–	0	-66
Dominican Republic	-2	-1	0	-92	-109
Ecuador	0	-1	0	-117	22
Estonia	–	–	–	–	–
Finland	–	0	–	13	-11
France	–	-1	–	1	-188
Germany	0	0	0	14	-108
Guatemala	–	0	0	-125	-125
Honduras	-1	0	–	-63	-63
India	0	-1	0	-65	-150
Indonesia	0	4	0	-107	-136
Italy	–	0	0	26	-108
Japan	0	0	0	-594	-611
Korea, South	–	9	0	-73	-446
Latvia	–	0	–	0	0
Lithuania	–	0	0	0	-25
Malaysia	0	0	0	31	21
Mexico	-4	-30	-1	-985	-234
Netherlands	0	1	0	-33	-473
Norway	–	0	–	-45	-98
Oman	–	0	–	-1	-1
Panama	-1	0	–	-125	-159
Portugal	–	–	–	20	3
Puerto Rico	0	0	–	-8	-8
Qatar	–	11	–	28	28
Russia	–	0	–	0	0
Spain	2	0	–	3	-117
Sweden	–	0	–	-61	-117
Trinidad and Tobago	0	0	–	-2	13
United Kingdom	–	0	0	17	-228
Vietnam	–	0	0	0	0
Virgin Islands, U.S.	0	0	–	-64	-64
Yemen	–	–	–	–	–
Other	-6	-12	-2	-766	-1,466
Total	**31**	**-41**	**-3**	**-3,592**	**-907**
Persian Gulf[5]	**0**	**16**	**–**	**284**	**981**

– – = 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, February 2023
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	**7,617**	**127,600**	**634,706**	**24,726**	**49,287**	**843,936**
Refinery	5,513	14,249	45,256	2,447	21,009	88,474
Tank Farms and Pipelines (Includes Cushing, OK)	2,104	113,351	217,871	22,279	23,710	379,315
Cushing, Oklahoma	– –	40,208	– –	– –	– –	40,208
Leases	– –	– –	– –	– –	– –	– –
Strategic Petroleum Reserve[1]	–	–	371,579	–	–	371,579
Alaskan In Transit	– –	– –	– –	– –	4,568	4,568
Total Stocks, All Oils (excluding Crude Oil)[2]	**148,430**	**174,947**	**353,582**	**24,909**	**92,521**	**794,390**
Refinery	12,914	49,076	118,197	10,728	49,222	240,137
Bulk Terminal	107,116	87,515	177,112	7,425	38,259	417,428
Pipeline	28,117	36,965	57,242	6,578	4,838	133,740
Natural Gas Processing Plant	283	1,391	1,031	178	202	3,085
Natural Gas Liquids	**8,825**	**39,096**	**116,987**	**5,253**	**2,733**	**172,894**
Refinery	387	2,725	4,538	338	1,304	9,292
Bulk Terminal	6,084	17,250	88,619	234	1,227	113,414
Pipeline	2,071	17,730	22,799	4,503	–	47,103
Natural Gas Processing Plant	283	1,391	1,031	178	202	3,085
Ethane	**1,235**	**6,508**	**43,309**	**1,089**	**–**	**52,141**
Refinery	–	–	24	–	–	24
Bulk Terminal	671	2,645	34,344	–	–	37,660
Pipeline	564	3,728	8,857	1,082	–	14,231
Natural Gas Processing Plant	–	135	84	7	–	226
Propane	**5,648**	**14,748**	**37,476**	**1,927**	**789**	**60,588**
Refinery	126	846	1,182	47	127	2,328
Bulk Terminal	4,175	9,106	29,540	131	610	43,562
Pipeline	1,213	4,165	6,627	1,672	–	13,677
Natural Gas Processing Plant	134	631	127	77	52	1,021
Normal Butane	**1,583**	**5,065**	**17,604**	**996**	**1,544**	**26,792**
Refinery	203	866	2,102	201	827	4,199
Bulk Terminal	1,106	2,984	12,965	87	614	17,756
Pipeline	209	925	2,320	675	–	4,129
Natural Gas Processing Plant	65	290	217	33	103	708
Isobutane	**115**	**2,449**	**7,823**	**442**	**378**	**11,207**
Refinery	58	630	906	83	348	2,025
Bulk Terminal	–	838	5,094	–	–	5,932
Pipeline	45	873	1,612	341	–	2,871
Natural Gas Processing Plant	12	108	211	18	30	379
Natural Gasoline	**244**	**10,326**	**10,775**	**799**	**22**	**22,166**
Refinery	–	383	324	7	2	716
Bulk Terminal	132	1,677	6,676	16	3	8,504
Pipeline	40	8,039	3,383	733	–	12,195
Natural Gas Processing Plant	72	227	392	43	17	751
Refinery Olefins	**200**	**345**	**1,112**	**51**	**120**	**1,828**
Refinery	200	345	1,112	51	120	1,828
Ethylene	**–**	**–**	**0**	**–**	**–**	**0**
Refinery	–	–	0	–	–	0
Propylene	**76**	**345**	**402**	**2**	**20**	**845**
Refinery	76	345	402	2	20	845
Normal Butylene	**124**	**0**	**710**	**49**	**100**	**983**
Refinery	124	0	710	49	100	983
Isobutylene	**0**	**0**	**0**	**0**	**0**	**0**
Refinery	0	0	0	0	0	0
Other Hydrocarbons	**–**	**14**	**–**	**–**	**–**	**14**
Refinery	–	14	–	–	–	14
Biofuels (Including Fuel Ethanol)[2]	**9,643**	**12,151**	**6,705**	**696**	**5,890**	**35,085**
Refinery	262	135	1,253	119	885	2,654
Bulk Terminal	9,381	12,016	5,452	574	5,005	32,428
Pipeline	–	–	–	3	–	3
Fuel Ethanol	**8,230**	**10,575**	**4,626**	**418**	**2,451**	**26,299**
Refinery	252	117	1,158	111	195	1,833
Bulk Terminal	7,978	10,458	3,468	304	2,256	24,463
Pipeline	–	–	–	3	–	3
Biodiesel	**1,414**	**1,420**	**1,054**	**15**	**959**	**4,861**
Refinery	10	18	95	8	9	140
Bulk Terminal	1,404	1,402	959	7	950	4,721
Pipeline	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	**–**	**124**	**804**	**222**	**2,415**	**3,565**
Refinery	–	–	–	–	681	681
Bulk Terminal	–	124	804	222	1,734	2,884
Pipeline	– –	– –	– –	– –	– –	– –
Other Biofuels[3]	**–**	**31**	**222**	**41**	**65**	**359**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	31	222	41	65	359
Pipeline	– –	– –	– –	– –	– –	– –

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	**4,244**	**13,542**	**45,775**	**3,381**	**20,477**	**87,419**
Naphthas and Lighter	**1,002**	**3,004**	**9,661**	**875**	**3,455**	**17,997**
Refinery	1,002	2,987	8,911	875	3,112	16,887
Bulk Terminal	– –	– –	– –	– –	– –	– –
Kerosene and Light Gas Oils	**312**	**2,407**	**8,699**	**901**	**3,217**	**15,536**
Refinery	312	2,407	6,473	901	3,146	13,239
Bulk Terminal	–	–	2,226	–	71	2,297
Heavy Gas Oils	**2,242**	**6,218**	**21,359**	**1,172**	**10,713**	**41,704**
Refinery	2,235	5,926	19,114	1,172	9,495	37,942
Bulk Terminal	7	292	2,245	–	1,218	3,762
Residuum	**688**	**1,913**	**6,056**	**433**	**3,092**	**12,182**
Refinery	688	1,913	6,056	433	3,092	12,182
Bulk Terminal	–	–	–	–	–	–
Motor Gasoline Blending Components[2]	**61,649**	**48,725**	**79,976**	**6,171**	**28,604**	**225,125**
Refinery	3,181	13,965	27,150	2,887	13,435	60,618
Bulk Terminal	46,396	26,171	34,046	2,197	12,564	121,374
Pipeline	12,072	8,589	18,780	1,087	2,605	43,133
Reformulated - RBOB	**20,969**	**4,801**	**9,353**	**–**	**13,371**	**48,495**
Refinery	1,312	813	1,472	–	4,507	8,104
Bulk Terminal	17,298	3,439	4,368	–	7,285	32,391
Pipeline	2,359	549	3,513	–	1,579	8,000
Conventional	**40,680**	**43,923**	**70,623**	**6,171**	**15,232**	**176,630**
Refinery	1,869	13,152	25,678	2,887	8,928	52,514
Bulk Terminal	29,098	22,731	29,678	2,197	5,278	88,983
Pipeline	9,713	8,040	15,267	1,087	1,026	35,133
CBOB	**29,584**	**35,318**	**38,452**	**4,854**	**8,026**	**116,234**
Refinery	285	6,422	11,432	1,573	2,501	22,213
Bulk Terminal	19,775	20,898	12,173	2,194	4,510	59,550
Pipeline	9,524	7,998	14,847	1,087	1,015	34,471
GTAB	**1,011**	**–**	**109**	**–**	**–**	**1,120**
Refinery	–	–	–	–	–	–
Bulk Terminal	1,011	–	109	–	–	1,120
Pipeline	–	–	–	–	–	–
Other	**10,085**	**8,605**	**32,062**	**1,317**	**7,206**	**59,275**
Refinery	1,584	6,730	14,246	1,314	6,427	30,301
Bulk Terminal	8,312	1,833	17,396	3	768	28,312
Pipeline	189	42	420	–	11	662
Aviation Gasoline Blending Components	**–**	**–**	**22**	**–**	**–**	**22**
Refinery	–	–	22	–	–	22
Bulk Terminal	–	–	–	–	–	–
Finished Motor Gasoline	**2,534**	**3,437**	**7,828**	**1,485**	**1,889**	**17,173**
Refinery	37	462	3,303	833	578	5,213
Bulk Terminal	695	1,084	4,092	425	1,294	7,590
Pipeline	1,802	1,891	433	227	17	4,370
Reformulated	**5**	**–**	**–**	**–**	**16**	**22**
Refinery	–	–	–	–	16	16
Bulk Terminal	5	–	–	1	–	6
Pipeline	–	–	–	–	–	–
Reformulated (Blended with Fuel Ethanol)	**5**	**–**	**–**	**1**	**16**	**22**
Refinery	–	–	–	–	16	16
Bulk Terminal	5	–	–	1	–	6
Pipeline	–	–	–	–	–	–
Reformulated (Other)	**–**	**–**	**–**	**–**	**–**	**–**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	–	–
Pipeline	–	–	–	–	–	–
Conventional	**2,529**	**3,437**	**7,828**	**1,484**	**1,873**	**17,151**
Refinery	37	462	3,303	833	562	5,197
Bulk Terminal	690	1,084	4,092	424	1,294	7,584
Pipeline	1,802	1,891	433	227	17	4,370
Conventional (Blended with Fuel Ethanol)	**–**	**133**	**–**	**47**	**34**	**214**
Refinery	–	–	–	46	–	46
Bulk Terminal	–	133	–	1	34	168
Pipeline	–	–	–	–	–	–
Ed55 and Lower	**–**	**133**	**–**	**47**	**–**	**180**
Refinery	–	–	–	46	–	46
Bulk Terminal	–	133	–	1	–	134
Pipeline	–	–	–	–	–	–
Greater than Ed55	**–**	**–**	**–**	**–**	**34**	**34**
Refinery	–	–	–	–	–	–
Bulk Terminal	–	–	–	–	34	34
Pipeline	–	–	–	–	–	–
Conventional (Other)	**2,529**	**3,304**	**7,828**	**1,437**	**1,839**	**16,937**
Refinery	37	462	3,303	787	562	5,151
Bulk Terminal	690	951	4,092	423	1,260	7,416
Pipeline	1,802	1,891	433	227	17	4,370

See footnotes at end of table.

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

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	**255**	**205**	**624**	**8**	**301**	**1,393**
Refinery	–	52	442	8	189	691
Bulk Terminal	255	153	182	–	112	702
Pipeline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	**9,879**	**6,966**	**10,897**	**746**	**9,036**	**37,524**
Refinery	537	1,686	4,892	212	3,172	10,499
Bulk Terminal	4,737	3,310	2,769	406	4,997	16,219
Pipeline	4,605	1,970	3,236	128	867	10,806
Kerosene	**744**	**118**	**410**	**1**	**11**	**1,284**
Refinery	164	114	89	1	3	371
Bulk Terminal	566	3	304	–	8	881
Pipeline	14	1	17	–	–	32
Distillate Fuel Oil[2]	**35,917**	**30,910**	**40,769**	**4,514**	**12,710**	**124,821**
Refinery	1,771	6,646	15,032	1,859	5,109	30,417
Bulk Terminal	26,593	17,480	13,760	2,025	6,252	66,111
Pipeline	7,553	6,784	11,977	630	1,349	28,293
15 ppm sulfur and Under	**34,126**	**30,324**	**34,668**	**4,269**	**11,915**	**115,303**
Refinery	1,358	6,343	12,406	1,682	4,677	26,466
Bulk Terminal	25,288	17,348	10,640	1,957	5,956	61,190
Pipeline	7,480	6,633	11,622	630	1,282	27,647
Greater than 15 ppm to 500 ppm sulfur	**580**	**267**	**1,060**	**188**	**194**	**2,289**
Refinery	110	67	572	120	171	1,040
Bulk Terminal	470	55	355	68	1	949
Pipeline	–	145	133	–	22	300
Greater than 500 ppm sulfur	**1,211**	**319**	**5,041**	**57**	**601**	**7,229**
Refinery	303	236	2,054	57	261	2,911
Bulk Terminal	835	77	2,765	–	295	3,972
Pipeline	73	6	222	–	45	346
Residual Fuel Oil	**5,467**	**1,086**	**19,447**	**259**	**5,071**	**31,330**
Refinery	287	906	4,243	259	2,248	7,943
Bulk Terminal	5,180	180	15,204	–	2,823	23,387
Pipeline	–	–	–	–	–	–
Less than 0.31% Sulfur	**290**	**182**	**1,533**	**26**	**950**	**2,981**
Refinery	13	174	60	26	21	294
Bulk Terminal	277	8	1,473	–	929	2,687
0.31% to 1.00% Sulfur	**1,060**	**263**	**4,867**	**6**	**794**	**6,990**
Refinery	42	260	1,198	6	415	1,921
Bulk Terminal	1,018	3	3,669	–	379	5,069
Greater than 1.00% Percent Sulfur	**4,117**	**641**	**13,047**	**227**	**3,327**	**21,359**
Refinery	232	472	2,985	227	1,812	5,728
Bulk Terminal	3,885	169	10,062	–	1,515	15,631
Petrochemical Feedstocks	**–**	**496**	**2,202**	**–**	**–**	**2,698**
Refinery	–	496	2,202	–	–	2,698
Naphtha for Petrochemical Feedstock Use	–	373	1,679	–	–	2,052
Other Oils for Petrochemical Feedstock Use	–	123	523	–	–	646
Special Naphthas	**43**	**118**	**816**	**–**	**27**	**1,004**
Refinery	19	45	810	–	27	901
Bulk Terminal	24	73	6	–	–	103
Lubricants	**1,450**	**768**	**9,461**	**–**	**1,354**	**13,033**
Refinery	953	229	5,833	–	1,102	8,117
Bulk Terminal	497	539	3,628	–	252	4,916
Waxes	**263**	**48**	**282**	**–**	**–**	**593**
Refinery	263	48	282	–	–	593
Petroleum Coke	**–**	**3,530**	**3,595**	**114**	**1,100**	**8,339**
Refinery	–	3,530	3,595	114	1,100	8,339
Asphalt and Road Oil	**7,247**	**13,196**	**5,991**	**2,217**	**3,122**	**31,773**
Refinery	546	4,330	2,333	653	1,029	8,891
Bulk Terminal	6,701	8,866	3,658	1,564	2,093	22,882
Miscellaneous Products	**70**	**197**	**683**	**13**	**76**	**1,039**
Refinery	70	115	512	13	76	786
Bulk Terminal	–	82	171	–	–	253
Pipeline	–	–	–	–	–	–
Total Stocks, All Oils	**156,047**	**302,547**	**988,288**	**49,635**	**141,808**	**1,638,326**

– – = 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, February 2023
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components[1]			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	**5**	**727**	**732**	**18,610**	**30,967**	**49,577**	**730**
Connecticut	–	–	–	1,518	22	1,540	23
Delaware	–	–	–	999	424	1,423	154
District of Columbia	–	–	–	–	–	–	–
Florida	–	414	414	–	5,593	5,593	–
Georgia	–	82	82	–	3,258	3,258	–
Maine	–	–	–	116	315	431	106
Maryland	–	–	–	1,344	59	1,403	17
Massachusetts	4	–	4	1,087	–	1,087	–
New Hampshire	–	–	–	–	–	–	–
New Jersey	–	–	–	8,984	10,477	19,461	57
New York	1	–	1	1,328	1,594	2,922	233
North Carolina	–	51	51	58	2,655	2,713	13
Pennsylvania	–	–	–	592	3,938	4,530	67
Rhode Island	–	–	–	1,071	2	1,073	–
South Carolina	–	91	91	–	1,318	1,318	14
Vermont	–	–	–	–	18	18	3
Virginia	–	24	24	1,513	1,171	2,684	43
West Virginia	–	65	65	–	123	123	–
PAD District 2	**–**	**1,546**	**1,546**	**4,252**	**35,883**	**40,136**	**117**
Illinois	–	29	29	2,442	4,988	7,430	52
Indiana	–	93	93	650	4,488	5,138	–
Iowa	–	44	44	–	2,170	2,170	–
Kansas	–	199	199	–	3,383	3,383	23
Kentucky	–	63	63	410	1,468	1,878	–
Michigan	–	7	7	72	2,592	2,664	–
Minnesota	–	340	340	0	2,974	2,974	–
Missouri	–	140	140	243	622	865	–
Nebraska	–	50	50	–	618	618	–
North Dakota	–	33	33	–	832	832	–
Ohio	–	227	227	–	3,441	3,441	13
Oklahoma	–	144	144	–	4,169	4,169	28
South Dakota	–	34	34	–	512	512	–
Tennessee	–	69	69	–	1,844	1,844	–
Wisconsin	–	74	74	435	1,782	2,217	1
PAD District 3	**–**	**7,395**	**7,395**	**5,840**	**55,356**	**61,196**	**393**
Alabama	–	111	111	6	1,092	1,098	3
Arkansas	–	130	130	–	892	892	–
Louisiana	–	946	946	120	11,026	11,146	1
Mississippi	–	1,821	1,821	10	2,413	2,423	–
New Mexico	–	28	28	32	540	572	–
Texas	–	4,359	4,359	5,672	39,393	45,065	389
PAD District 4	**1**	**1,257**	**1,258**	**–**	**5,084**	**5,084**	**1**
Colorado	–	273	273	–	1,263	1,263	–
Idaho	–	41	41	–	456	456	–
Montana	–	271	271	–	1,346	1,346	–
Utah	1	93	94	–	1,155	1,155	1
Wyoming	–	579	579	–	864	864	–
PAD District 5	**16**	**1,856**	**1,872**	**11,792**	**14,206**	**25,999**	**11**
Alaska	–	320	320	–	642	642	8
Arizona	–	61	61	663	247	910	–
California	16	218	234	10,865	6,796	17,662	3
Hawaii	–	416	416	–	401	401	–
Nevada	–	137	137	21	371	392	–
Oregon	–	60	60	–	1,699	1,699	–
Washington	–	644	644	243	4,050	4,293	–
U.S. Total	**22**	**12,781**	**12,803**	**40,495**	**141,497**	**181,992**	**1,252**

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, February 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	**26,646**	**580**	**1,138**	**28,364**	**5,467**	**4,435**
Connecticut	1,502	–	–	1,502	12	–
Delaware	385	30	38	453	609	13
District of Columbia	–	–	–	–	–	–
Florida	2,346	140	–	2,486	1,015	105
Georgia	1,678	–	–	1,678	176	14
Maine	879	2	–	881	58	–
Maryland	995	–	–	995	215	–
Massachusetts	1,218	13	–	1,231	130	–
New Hampshire	505	–	–	505	29	99
New Jersey	7,600	118	640	8,358	2,497	119
New York	2,474	–	131	2,605	347	800
North Carolina	1,145	–	–	1,145	8	374
Pennsylvania	2,816	–	63	2,879	244	2,434
Rhode Island	816	–	–	816	–	–
South Carolina	897	–	–	897	78	227
Vermont	8	–	–	8	–	–
Virginia	1,247	200	266	1,713	49	4
West Virginia	135	77	–	212	–	95
PAD District 2	**23,691**	**122**	**313**	**24,126**	**1,086**	**10,583**
Illinois	3,579	–	1	3,580	269	790
Indiana	2,800	–	65	2,865	213	350
Iowa	2,166	1	–	2,167	1	271
Kansas	2,075	–	–	2,075	38	6,187
Kentucky	766	–	–	766	–	78
Michigan	1,509	–	–	1,509	168	1,913
Minnesota	1,889	–	49	1,938	153	153
Missouri	680	43	2	725	–	93
Nebraska	781	–	–	781	–	121
North Dakota	898	–	–	898	42	36
Ohio	1,696	11	77	1,784	83	465
Oklahoma	1,950	67	119	2,136	57	72
South Dakota	711	–	–	711	–	11
Tennessee	1,103	–	–	1,103	61	2
Wisconsin	1,087	–	–	1,087	1	41
PAD District 3	**23,046**	**927**	**4,819**	**28,792**	**19,447**	**30,849**
Alabama	770	–	65	835	317	17
Arkansas	546	–	–	546	–	47
Louisiana	4,684	429	1,157	6,270	8,690	2,561
Mississippi	800	265	58	1,123	486	947
New Mexico	266	–	–	266	90	5
Texas	15,980	233	3,539	19,752	9,864	27,272
PAD District 4	**3,639**	**188**	**57**	**3,884**	**259**	**255**
Colorado	785	–	–	785	4	25
Idaho	362	–	–	362	–	–
Montana	1,092	75	–	1,167	82	31
Utah	622	41	57	720	83	144
Wyoming	778	72	–	850	90	55
PAD District 5	**10,633**	**172**	**556**	**11,361**	**5,071**	**789**
Alaska	1,134	–	35	1,169	113	3
Arizona	628	–	–	628	–	148
California	4,540	171	269	4,980	3,022	185
Hawaii	291	1	249	541	849	69
Nevada	248	–	3	251	–	–
Oregon	1,135	–	–	1,135	171	–
Washington	2,657	–	–	2,657	916	384
U.S. Total	**87,656**	**1,989**	**6,883**	**96,528**	**31,330**	**46,911**

– = 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, February 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	**397**	**17**	**0**	**538**	**52,023**	**5,438**	**3,358**	**1,385**	**17,833**
Petroleum Products	**15,452**	**33**	**0**	**20,942**	**45,931**	**13,111**	**4,641**	**101,900**	**17,499**
Natural Gas Liquids	7,022	27	0	7,037	33,792	8,779	715	1,837	9,802
Ethane	5,372	0	–	446	14,522	2,074	–	0	929
Propane	867	5	0	4,987	11,761	3,488	245	1,821	1,552
Normal Butane	211	1	0	1,538	3,517	1,460	447	12	654
Isobutane	362	21	0	66	1,348	515	23	4	762
Natural Gasoline	210	0	–	0	2,644	1,242	–	0	5,905
Refinery Olefins	0	0	–	247	423	–	–	0	0
Ethylene	–	–	–	–	–	–	–	–	–
Propylene	0	0	–	247	423	–	–	0	0
Normal Butylene	–	–	–	–	–	–	–	–	–
Isobutylene	–	–	–	–	–	–	–	–	–
Unfinished Oils	40	0	–	0	1,148	–	–	34	358
Motor Gasoline Blending Components	5,469	0	0	1,339	1,363	2,033	0	56,553	3,738
Reformulated - RBOB	0	0	0	0	0	–	0	6,520	1,123
Conventional	5,469	0	0	1,339	1,363	2,033	0	50,033	2,615
CBOB	5,469	0	0	1,339	1,260	2,033	0	48,835	2,562
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	–	0	103	–	–	1,198	53
Biofuels (including Fuel Ethanol)	6	0	0	8,937	5,497	517	3,656	0	0
Fuel Ethanol	0	0	0	8,707	5,183	497	3,387	0	0
Biodiesel	6	0	0	230	315	21	269	0	0
Renewable Diesel Fuel	–	0	0	–	0	–	0	–	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	73	0	0	439	194	126	0	1,574	401
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	73	0	0	439	194	126	0	1,574	401
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	73	0	0	439	194	126	0	1,574	401
Finished Aviation Gasoline	–	0	–	0	0	–	–	122	–
Kerosene-Type Jet Fuel	292	0	0	659	108	834	0	13,600	1,837
Kerosene	–	0	–	0	0	–	–	298	–
Distillate Fuel Oil	2,445	0	0	1,224	1,018	759	0	27,109	1,111
15 ppm sulfur and under	2,445	0	0	1,224	1,018	759	0	26,801	1,055
Greater than 15 ppm to 500 ppm sulfur	0	0	–	–	0	–	–	–	56
Greater than 500 ppm sulfur	–	0	–	0	0	–	–	308	–
Residual Fuel Oil	0	0	–	–	865	–	–	–	0
Petrochemical Feedstocks	0	0	–	–	47	–	–	–	0
Naphtha for Petrochemical Feedstock Use	0	0	–	–	47	–	–	–	0
Other Oils for Petrochemical Feedstock Use	–	–	–	–	–	–	–	–	–
Special Naphthas	0	0	–	–	0	–	–	–	15
Lubricants	0	0	–	0	32	–	–	483	148
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	6	0	248	998	29	33	41	13
Asphalt and Road Oil	105	0	0	813	446	33	237	249	72
Miscellaneous Products	0	0	–	–	0	–	–	–	5
Total	**15,849**	**50**	**0**	**21,480**	**97,954**	**18,549**	**7,999**	**103,285**	**35,332**

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, February 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**	**24,078**	**1,290**	**0**	**0**	**0**	**0**
Petroleum Products	**3**	**5,167**	**0**	**18,456**	**3,318**	**2,313**	**0**	**23**	**47**
Natural Gas Liquids	0	163	0	17,631	3,008	481	0	0	0
Ethane	0	–	0	5,050	806	–	0	0	0
Propane	0	0	0	6,543	1,033	282	0	0	0
Normal Butane	0	71	0	2,709	434	161	0	0	0
Isobutane	0	92	0	1,036	241	38	0	0	0
Natural Gasoline	0	–	0	2,293	494	–	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	3,344	0	177	0	1,107	0	0	0
Reformulated - RBOB	–	1,845	0	0	0	0	0	0	–
Conventional	0	1,499	0	177	0	1,107	0	0	0
CBOB	0	1,499	0	177	0	1,107	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	–	–	0	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	0	512	0	0	0	82	0	0	0
Fuel Ethanol	0	24	0	0	0	82	0	0	0
Biodiesel	0	15	0	0	0	0	0	0	0
Renewable Diesel Fuel	–	473	–	–	0	0	–	0	–
Other Biofuels[2]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	0	0	0	234	0	86	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	0	0	0	234	0	86	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	0	0	0	234	0	86	0	0	0
Finished Aviation Gasoline	–	–	0	–	0	–	0	0	–
Kerosene-Type Jet Fuel	0	156	0	12	0	35	0	0	0
Kerosene	–	–	0	–	0	–	0	0	–
Distillate Fuel Oil	0	877	0	341	0	339	0	0	0
15 ppm sulfur and under	0	877	0	341	0	339	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	–	–	–	–	–	–	–	–	–
Special Naphthas	–	–	–	0	0	–	–	0	–
Lubricants	–	–	0	0	0	–	0	0	–
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	0	0	0	15	150	64	0	23	6
Asphalt and Road Oil	3	115	0	46	159	119	0	0	41
Miscellaneous Products	–	–	–	0	0	–	–	0	–
Total	**3**	**5,167**	**0**	**42,534**	**4,607**	**2,313**	**0**	**23**	**47**

– = 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, February 2023
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	**129**	**17**	**186**	**51,860**	**5,438**	**108**	**17,833**	**0**	**–**
Petroleum Products	**15,025**	**0**	**7,875**	**35,433**	**12,531**	**80,783**	**16,105**	**0**	**4,377**
Natural Gas Liquids	6,746	0	5,731	33,392	8,779	1,573	9,380	0	–
Ethane	5,372	0	446	14,522	2,074	0	929	0	–
Propane	808	0	3,971	11,456	3,488	1,573	1,461	0	–
Normal Butane	107	0	1,314	3,470	1,460	0	473	0	–
Isobutane	249	0	0	1,300	515	0	612	0	–
Natural Gasoline	210	0	0	2,644	1,242	0	5,905	0	–
Motor Gasoline Blending Components	5,469	0	352	1,190	2,033	44,515	3,637	0	3,344
Reformulated - RBOB	0	0	0	0	–	6,520	1,123	–	1,845
Conventional	5,469	0	352	1,190	2,033	37,995	2,514	0	1,499
CBOB	5,469	0	352	1,190	2,033	36,883	2,461	0	1,499
GTAB	–	–	–	–	–	–	–	–	–
Other	0	0	0	0	–	1,112	53	–	–
Biofuels (including Fuel Ethanol)	–	–	–	–	–	–	–	–	–
Fuel Ethanol	–	–	–	–	–	–	–	–	–
Biodiesel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Renewable Diesel Fuel	– –	– –	– –	– –	– –	– –	– –	– –	– –
Other Biofuels[1]	– –	– –	– –	– –	– –	– –	– –	– –	– –
Finished Motor Gasoline	73	0	391	0	126	1,095	401	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	73	0	391	0	126	1,095	401	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	73	0	391	0	126	1,095	401	0	0
Finished Aviation Gasoline	–	–	–	–	–	–	–	–	–
Kerosene-Type Jet Fuel	292	0	608	30	834	10,143	1,837	0	156
Kerosene	–	0	0	0	–	298	–	–	–
Distillate Fuel Oil	2,445	0	793	821	759	23,159	850	0	877
15 ppm sulfur and under	2,445	0	793	821	759	22,951	794	0	877
Greater than 15 ppm to 500 ppm sulfur	0	0	–	0	–	–	56	–	–
Greater than 500 ppm sulfur	– –	– –	– –	– –	– –	– –	– –	– –	– –
Residual Fuel Oil	–	–	–	–	–	–	–	–	–
Miscellaneous Products	–	–	–	–	–	–	–	–	–
Total	**15,154**	**17**	**8,061**	**87,293**	**17,969**	**80,891**	**33,938**	**0**	**4,377**

See footnotes at end of table.

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

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	**0**	**24,078**	**265**	**–**	**0**	**0**
Petroleum Products	**0**	**18,395**	**3,008**	**1,567**	**0**	**0**
Natural Gas Liquids	0	17,631	3,008	–	0	0
Ethane	0	5,050	806	–	0	0
Propane	0	6,543	1,033	–	0	0
Normal Butane	0	2,709	434	–	0	0
Isobutane	0	1,036	241	–	0	0
Natural Gasoline	0	2,293	494	–	0	0
Motor Gasoline Blending Components	0	177	0	1,107	0	0
Reformulated - RBOB	0	0	0	0	0	–
Conventional	0	177	0	1,107	0	0
CBOB	0	177	0	1,107	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	234	0	86	0	0
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	234	0	86	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	234	0	86	0	0
Finished Aviation Gasoline	–	–	–	–	–	–
Kerosene-Type Jet Fuel	0	12	0	35	0	0
Kerosene	0	–	0	–	0	–
Distillate Fuel Oil	0	341	0	339	0	0
15 ppm sulfur and under	0	341	0	339	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**	**42,473**	**3,273**	**1,567**	**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, February 2023
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	**268**	**0**	**–**	**352**	**163**	**–**
Petroleum Products	**40**	**0**	**0**	**1,832**	**3,546**	**0**
Natural Gas Liquids	–	0	–	0	0	–
Ethane	–	–	–	–	–	–
Propane	–	0	–	0	0	–
Normal Butane	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–
Unfinished Oils	40	0	–	0	1,148	–
Motor Gasoline Blending Components	0	0	–	987	173	–
Reformulated - RBOB	–	–	–	–	–	–
Conventional	0	0	–	987	173	–
CBOB	0	0	–	987	70	–
GTAB	–	–	–	–	–	–
Other	0	0	–	0	103	–
Biofuels (including Fuel Ethanol)	0	0	0	213	559	0
Fuel Ethanol	0	0	–	213	519	–
Biodiesel	0	0	–	–	40	–
Renewable Diesel Fuel	–	0	0	–	0	0
Other Biofuels[1]	–	–	–	–	–	–
Finished Motor Gasoline	0	0	–	48	194	–
Reformulated	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–
Conventional	0	0	–	48	194	–
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–
Conventional Other	0	0	–	48	194	–
Finished Aviation Gasoline	–	0	–	0	0	–
Kerosene-Type Jet Fuel	0	0	–	51	78	–
Kerosene	–	–	–	–	–	–
Distillate Fuel Oil	0	0	–	431	197	–
15 ppm sulfur and under	0	0	–	431	197	–
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–
Greater than 500 ppm sulfur	–	0	–	0	0	–
Residual Fuel Oil	0	0	–	–	865	–
Less than 0.31 percent sulfur	0	0	–	–	130	–
0.31 to 1.00 percent sulfur	0	0	–	–	314	–
Greater than 1.00 percent sulfur	0	0	–	–	421	–
Petrochemical Feedstocks	0	0	–	–	47	–
Naphtha for Petrochemical Feedstock Use	0	0	–	–	47	–
Other Oils for Petrochemical Feedstock Use	–	–	–	–	–	–
Special Naphthas	0	0	–	–	0	–
Lubricants	0	0	–	0	32	–
Waxes	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–
Asphalt and Road Oil	0	0	–	102	253	–
Miscellaneous Products	0	0	–	–	0	–
Total	**308**	**0**	**0**	**2,184**	**3,709**	**0**

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, February 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	**1,277**	**–**	**1,277**	**–**	**0**	**–**	**0**	**0**	**0**
Petroleum Products	**20,761**	**–**	**471**	**20,290**	**922**	**473**	**0**	**0**	**0**
Natural Gas Liquids	59	–	–	59	–	–	0	–	0
Ethane	–	–	–	–	–	–	–	–	–
Propane	59	–	–	59	–	–	0	–	0
Normal Butane	–	–	–	–	–	–	–	–	–
Isobutane	–	–	–	–	–	–	–	–	–
Natural Gasoline	–	–	–	–	–	–	–	–	–
Unfinished Oils	34	–	34	–	358	–	0	0	0
Motor Gasoline Blending Components	12,038	–	86	11,952	101	–	0	0	0
Reformulated - RBOB	–	–	–	–	–	–	–	–	–
Conventional	12,038	–	86	11,952	101	–	0	0	0
CBOB	11,952	–	–	11,952	101	–	0	0	0
GTAB	–	–	–	–	–	–	–	–	–
Other	86	–	86	–	0	–	0	0	0
Biofuels (including Fuel Ethanol)	0	–	–	–	0	473	0	0	0
Fuel Ethanol	0	–	–	–	0	–	0	0	0
Biodiesel	–	–	–	–	0	–	–	0	0
Renewable Diesel Fuel	–	–	–	–	–	473	–	–	0
Other Biofuels[1]	–	–	–	–	–	–	–	–	–
Finished Motor Gasoline	479	–	–	479	0	–	0	0	0
Reformulated	–	–	–	–	–	–	–	–	–
Reformulated Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Reformulated Other	–	–	–	–	–	–	–	–	–
Conventional	479	–	–	479	0	–	0	0	0
Conventional Blended with Fuel Ethanol	–	–	–	–	–	–	–	–	–
Ed55 and Lower	–	–	–	–	–	–	–	–	–
Greater than Ed55	–	–	–	–	–	–	–	–	–
Conventional Other	479	–	–	479	0	–	0	0	0
Finished Aviation Gasoline	122	–	21	101	–	–	0	–	0
Kerosene-Type Jet Fuel	3,457	–	–	3,457	0	–	0	0	0
Kerosene	–	–	–	–	–	–	–	–	–
Distillate Fuel Oil	3,950	–	–	3,950	261	–	0	0	0
15 ppm sulfur and under	3,850	–	–	3,850	261	–	0	0	0
Greater than 15 ppm to 500 ppm sulfur	–	–	–	–	–	–	–	–	–
Greater than 500 ppm sulfur	100	–	–	100	–	–	0	–	0
Residual Fuel Oil	–	–	–	–	0	–	–	0	0
Less than 0.31 percent sulfur	–	–	–	–	0	–	–	0	0
0.31 to 1.00 percent sulfur	–	–	–	–	0	–	–	0	0
Greater than 1.00 percent sulfur	–	–	–	–	0	–	–	0	0
Petrochemical Feedstocks	–	–	–	–	0	–	–	0	0
Naphtha for Petrochemical Feedstock Use	–	–	–	–	0	–	–	0	0
Other Oils for Petrochemical Feedstock Use	–	–	–	–	–	–	–	–	–
Special Naphthas	–	–	–	–	15	–	–	0	0
Lubricants	483	–	330	153	148	–	0	0	0
Waxes	–	–	–	–	–	–	–	–	–
Marketable Petroleum Coke	–	–	–	–	–	–	–	–	–
Asphalt and Road Oil	139	–	–	139	34	–	0	0	0
Miscellaneous Products	–	–	–	–	5	–	–	0	0
Total	**22,038**	**–**	**1,748**	**20,290**	**922**	**473**	**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, February 2023
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	–	0	0	3,358
Propane	59	5	0	0	1,016	305	0	245
Propylene	0	0	–	–	247	423	–	–
Normal Butane	104	1	0	0	224	47	0	447
Isobutane	113	21	0	0	66	48	0	23
Fuel Ethanol	0	0	0	0	8,494	4,664	497	3,387
Biodiesel	6	0	0	0	230	275	21	269
Marketable Petroleum Coke	0	6	0	0	248	998	29	33
Asphalt and Road Oil	105	0	0	0	711	193	33	237

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	–	0	0	0	–	0	1,025	0
Propane	189	91	0	0	0	0	0	282
Propylene	0	0	–	–	0	0	0	–
Normal Butane	12	181	0	71	0	0	0	161
Isobutane	4	150	0	92	0	0	0	38
Fuel Ethanol	0	0	0	24	0	0	0	82
Biodiesel	0	0	0	15	0	0	0	0
Marketable Petroleum Coke	41	13	0	0	0	15	150	64
Asphalt and Road Oil	110	38	3	115	0	46	159	119

Commodity	From 5 to			
	1	2	3	4
Crude Oil	–	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	0
Marketable Petroleum Coke	0	3	23	6
Asphalt and Road Oil	0	0	0	41

– = 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, February 2023
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	129	268	0	397
3	17	0	0	17
4	0	–	0	0
5	–	–	0	0
From 2 to				
1	186	352	–	538
3	51,860	163	0	52,023
4	5,438	–	0	5,438
5	–	–	3,358	3,358
From 3 to				
1	108	1,277	–	1,385
2	17,833	0	0	17,833
4	0	–	0	0
5	–	–	0	0
From 4 to				
1	0	0	–	0
2	24,078	0	0	24,078
3	265	0	1,025	1,290
5	–	–	0	0
From 5 to				
1	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, February 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	**1,923**	**414**	**1,509**	**42,308**	**61,357**	**-19,049**	**53,330**	**19,218**	**34,112**
Petroleum Products	**122,843**	**15,485**	**107,358**	**51,410**	**84,626**	**-33,216**	**49,304**	**124,569**	**-75,265**
Natural Gas Liquids	8,874	7,048	1,825	34,454	50,323	-15,869	36,827	11,801	25,026
Ethane	446	5,372	-4,926	11,351	17,042	-5,691	15,328	929	14,399
Propane	6,808	872	5,936	8,962	20,482	-11,520	12,799	3,372	9,427
Normal Butane	1,550	212	1,338	3,574	6,962	-3,388	3,952	738	3,214
Isobutane	70	383	-313	2,160	1,951	208	1,610	857	753
Natural Gasoline	0	210	-210	8,408	3,886	4,522	3,138	5,905	-2,767
Refinery Olefins	247	0	247	0	670	-670	423	0	423
Ethylene	–	–	–	–	–	–	0	0	–
Propylene	247	0	247	0	670	-670	423	0	423
Normal Butylene	0	0	–	0	0	–	0	0	–
Isobutylene	0	0	–	0	0	–	0	0	–
Unfinished Oils	34	40	-6	398	1,148	-750	1,148	392	756
Motor Gasoline Blending Components	57,892	5,469	52,423	9,384	4,735	4,649	1,363	63,635	-62,272
Reformulated - RBOB	6,520	0	6,520	1,123	0	1,123	0	9,488	-9,488
Conventional	51,372	5,469	45,903	8,261	4,735	3,526	1,363	54,147	-52,784
CBOB	50,174	5,469	44,705	8,208	4,632	3,576	1,260	52,896	-51,636
GTAB	0	0	–	–	–	–	0	0	–
Other	1,198	0	1,198	53	103	-50	103	1,251	-1,148
Biofuels (including Fuel Ethanol)	8,937	6	8,931	6	18,608	-18,602	5,497	512	4,985
Fuel Ethanol	8,707	0	8,707	0	17,773	-17,773	5,183	24	5,159
Biodiesel	230	6	224	6	835	-829	315	15	299
Renewable Diesel Fuel	0	0	–	0	0	–	0	473	-473
Other Biofuels[2]	–	–	–	0	0	–	0	0	–
Finished Motor Gasoline	2,013	73	1,940	708	759	-51	194	1,975	-1,781
Reformulated	0	0	–	0	0	–	0	0	–
Reformulated Blended with Fuel Ethanol	0	0	–	0	0	–	0	0	–
Reformulated Other	–	–	–	–	–	–	0	0	–
Conventional	2,013	73	1,940	708	759	-51	194	1,975	-1,781
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	2,013	73	1,940	708	759	-51	194	1,975	-1,781
Finished Aviation Gasoline	122	0	122	0	0	–	0	122	-122
Kerosene-Type Jet Fuel	14,259	292	13,967	2,141	1,601	540	108	15,593	-15,485
Kerosene	298	0	298	0	0	–	0	298	-298
Distillate Fuel Oil	28,333	2,445	25,888	3,897	3,001	896	1,018	29,097	-28,079
15 ppm sulfur and under	28,025	2,445	25,580	3,841	3,001	840	1,018	28,733	-27,715
Greater than 15 ppm to 500 ppm sulfur	0	0	–	56	0	56	0	56	-56
Greater than 500 ppm sulfur	308	0	308	0	0	–	0	308	-308
Residual Fuel Oil	0	0	–	0	865	-865	865	0	865
Petrochemical Feedstocks	0	0	–	0	47	-47	47	0	47
Naphtha for Petrochemical Feedstock Use	0	0	–	0	47	-47	47	0	47
Other Oils for Petrochemical Feedstock Use	0	0	–	0	0	–	0	0	–
Special Naphthas	0	0	–	15	0	15	0	15	-15
Lubricants	483	0	483	148	32	116	32	631	-599
Waxes	0	0	–	0	0	–	0	0	–
Marketable Petroleum Coke	289	6	283	31	1,307	-1,276	1,176	54	1,122
Asphalt and Road Oil	1,062	105	957	222	1,529	-1,307	606	439	167
Miscellaneous Products	0	0	–	5	0	5	0	5	-5
Total	**124,766**	**15,899**	**108,867**	**93,718**	**145,983**	**-52,265**	**102,634**	**143,787**	**-41,153**

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, February 2023
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	**5,438**	**25,368**	**-19,930**	**3,358**	**0**	**3,358**
Petroleum Products	**13,161**	**24,086**	**-10,925**	**12,122**	**73**	**12,048**
Natural Gas Liquids	8,779	21,120	-12,341	1,359	0	1,359
Ethane	2,074	5,856	-3,782	0	0	–
Propane	3,488	7,858	-4,370	527	0	527
Normal Butane	1,460	3,304	-1,844	679	0	679
Isobutane	515	1,315	-800	153	0	153
Natural Gasoline	1,242	2,787	-1,545	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	2,033	1,284	749	4,451	0	4,451
Reformulated - RBOB	–	–	–	1,845	0	1,845
Conventional	2,033	1,284	749	2,606	0	2,606
CBOB	2,033	1,284	749	2,606	0	2,606
GTAB	–	–	–	–	–	–
Other	0	0	–	0	0	–
Biofuels (including Fuel Ethanol)	517	82	435	4,251	0	4,251
Fuel Ethanol	497	82	415	3,493	0	3,493
Biodiesel	21	0	21	285	0	285
Renewable Diesel Fuel	0	0	–	473	0	473
Other Biofuels[2]	0	0	–	0	0	–
Finished Motor Gasoline	126	320	-194	86	0	86
Reformulated	0	0	–	0	0	–
Reformulated Blended with Fuel Ethanol	0	0	–	0	0	–
Reformulated Other	–	–	–	–	–	–
Conventional	126	320	-194	86	0	86
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	126	320	-194	86	0	86
Finished Aviation Gasoline	0	0	–	0	0	–
Kerosene-Type Jet Fuel	834	47	787	191	0	191
Kerosene	0	0	–	0	0	–
Distillate Fuel Oil	759	680	79	1,216	0	1,216
15 ppm sulfur and under	759	680	79	1,216	0	1,216
Greater than 15 ppm to 500 ppm sulfur	0	0	–	0	0	–
Greater than 500 ppm sulfur	0	0	–	0	0	–
Residual Fuel Oil	0	0	–	0	0	–
Petrochemical Feedstocks	–	–	–	0	0	–
Naphtha for Petrochemical Feedstock Use	–	–	–	0	0	–
Other Oils for Petrochemical Feedstock Use	–	–	–	0	0	–
Special Naphthas	–	–	–	0	0	–
Lubricants	0	0	–	0	0	–
Waxes	0	0	–	0	0	–
Marketable Petroleum Coke	36	230	-194	97	32	65
Asphalt and Road Oil	77	324	-247	471	41	430
Miscellaneous Products	0	0	–	0	0	–
Total	**18,599**	**49,454**	**-30,855**	**15,479**	**73**	**15,406**

– = 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.

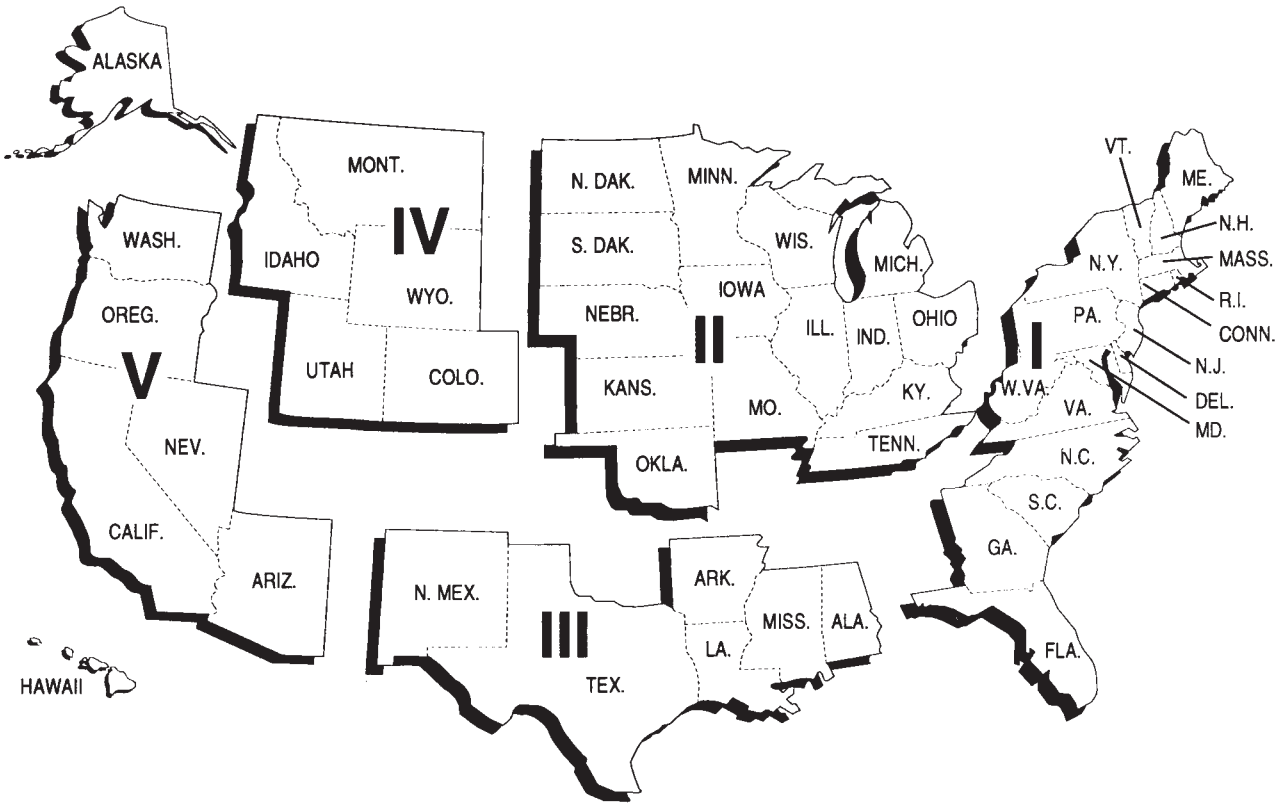
PAD District IV

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

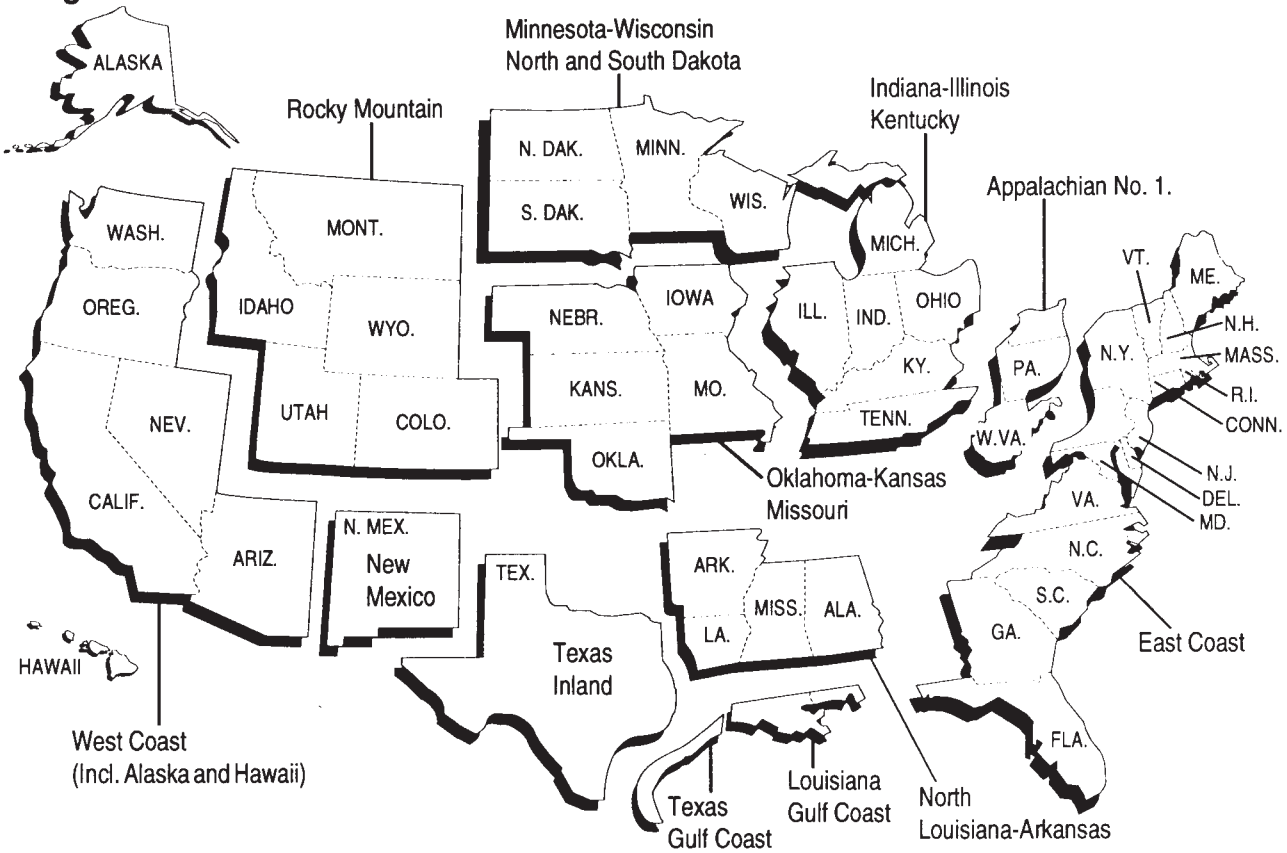
PAD District V

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 *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels.

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available 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). 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 and annual totals and averages are released in the PSA usually at the end of August each year.

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 its systems in order to provide high quality information needed by public and private policymakers and decision makers. 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, 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), 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 receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (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 considered to be 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. 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 actually 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 actually 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 production (NGL) 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 inputs).

b. 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.

c. 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.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. 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 and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, biofuels plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to 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 PAD District. 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.

(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 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. EIA excludes 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 nine 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 nine 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,"
7. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."
13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" (formerly "Monthly Oxygenate Report")
16. 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 nine 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 volume of crude oil, ethanol, biodiesel, renewable diesel, 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 National Energy Board of Canada (NEB), 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 NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, renewable diesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no STB data are available.

Estimates of rail movements are subject to revision on a monthly basis 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 are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

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

The TAPS-NGPL 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 NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGL adjustment subtracts Alaskan NGPL 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.

NGPL 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 PADD. 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.

(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. Average response rates for the monthly and weekly surveys are published in the annual PSM article "Accuracy of Petroleum Supply Data." 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. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

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							
Apr-23							
May-23							
Jun-23							
Jul-23							
Aug-23							
Sep-23							
Oct-23							
Nov-23							
Dec-23							

Source: U.S. Energy Information Administration

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

New York State Strategic Fuel Reserve

(Thousand Barrels)

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

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

Source: New York State Energy Research & Development Authority